DATABASE FOR PLANNING AND DEVELOPMENT

IN

WEST BENGAL

VOLUME I : DISTRICTS OF WEST BENGAL

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Chapter 1

INTRODUCTION

1.1 Context and Problem

Development is a buzz word for developing countries in recent years and planning as a process of growth and development with suitable direction and purpose is a *sine qua non* for development. Perfectly competitive market ensures efficient allocation of resources but in the real world even in the era of liberalisation, privatization and globalization markets hardly function competitively and in the context of market failure planning is essential for economic development and social justice. But planning also fails if necessary information is not available adequately and timely. Planning in developing countries like India is seen to have suffered from inadequacy of data. Comprehensive development in a democratic society requires detailed database covering environment, demography, economy, education and culture and infrastructure both across sections and over years and herein lies the rationale for preparation of a sound database for planning and development.

Following the Second World War and emancipation of under-developed countries like India from colonial fetters rapid and sustained development of these economies became the coveted goal (Rakshit 1998:23) and centralized planning came to be adopted. Adequate information, particularly relating to social and rural parameters of development was not available to the planning authorities to make centralised planning successful and this was one of the reasons for government failure to achieve social development of the country and in the provision of public goods which the market mechanism of development can not optimally provide. The economic reforms of the late 1980s and the early 1990s in India have started an era of liberalisation, privatisation and globalisation of the economy and society to accelerate socio-economic development. Structural adjustment programmes throughout the last decade and a half have, by and large, had negative consequences not only for women but also for the natural environment (Varadarajan 2000: 75). To supplement the economic reforms and also to remedy some of their ills in the form of social problems like unemployment, poverty and increase in economic inequality across regions, and social and economic classes decentralised planning is being recently emphasised for achieving economic development and social justice. Since the 1980s the 'environmental crisis' has also surfaced as an important concern and 'sustainable development' has emerged as a strategy appropriate to all countries to arrest depletion of global natural resources. This needs to be approached in a decentralized manner (Sundaram 1997:26). The international institutions like the International Monetary Fund and the World Bank as well as the UNDP championed the cause of decentralized planning and participatory development at both rural and urban levels on grounds of efficiency in utilization of resources and equity, the latter to be achieved by bringing the poor and socially marginalized sections like women, SCs and STs into broad-based mainstream development.

The 73rd and 74th Amendments of the Constitution of India vest the Panchayats in rural areas and municipalities in urban areas with the authority to plan for economic development and social justice. The need for developing a database at the decentralized levels, i.e., at the district, block and gram panchayat levels has

become vital following these amendments of the Constitution. One of the issues that concern decentralized planning and socio-economic and sustainable development is the availability of regular, timely, adequate and reliable information necessary for planning at the decentralized levels of the economy and society. It is well recognized that availability of data is essential for any meaningful process of decentralized planning for any substantial and participatory socio-economic development. At levels below the State like districts, blocks or villages there are qualitative and quantitative shortfalls in data availability resulting in huge information gap (Mohan 2003).

The Committee of the Study Group on Information Gap (CSGIG 1998) set up by the Planning Commission, Government of India, observes,

" …….. Experience with district planning so far has brought out the fact that there are significant gaps in the availability of data / information at the sub-State level, as against the requirement of such data for planning. Basic information on several socio-economic aspects required for planning at the lower level is not available to users in time. Though a lot of data is collected at micro level which is processed and published for the country as a whole or for individual States, no disaggregation of the data for the sub-State levels is done. This results in a yawning gap in the data for effective planning at these levels. There is, therefore, an urgent need to fill in the gap and improve the information system."

The great importance of a wide variety of relevant information for the success of decentralized decision-making may be theoretically appreciated with reference to an important aspect of welfare economics, i.e., social choice theory which has been recently developed by Arrow (1951), Sen (1977) and others who made sophisticated and probing analysis on whether views of different citizens in a democratic framework in the ordering of 'social states' (however arrived at) can be 'reasonably' aggregated into a 'social view'. Arrow's answer in the negative threw doubt on the very possibility of democratic decision-making. What produce this 'Impossibility theorem? Sen (1977) explains that insistence on welfare information alone and no use of any other information and a meager supply of welfare information (given the assumption of originality and non-comparability of welfare across individuals) produce the Impossibility Theory (Pattnaik 2000). What transpires from the above discussion is that limited (or absence of) information constitutes an important constraint on decentralized planning and is responsible for its lack of progress and its even failure to produce desired results.

In the economic reforms era with their adverse impact on employment, poverty, inequality, social sector and infrastructure the Government of India has adopted various centrally sponsored programmes for employment generation, poverty alleviation and infrastructure development for which massive data are generated at the district level and below. These data need to be compiled and published to facilitate efficient planning and development at the decentralized levels. Barring the central levels for which profuse and varied data are available those at the State level and below are hardly compiled to generate time series, which could have helped understand trend growth rate and trend break, if any, and facilitate planning and development. Besides, sectoral data of the economy and sectional data of the society are not published regularly and adequately, which stand in the way of scientific and efficient planning and development.

The world is also dynamic with rapid advancement of science and technology and the government has to reorient its policy based on the knowledge generated in the field of science and technology with a view to making room for not only rapid economic growth but also sustainable development. The database properly prepared reflects the policy changes and options for the planners and academics.

The 73rd and 74th Amendments of the Constitution of India provide constitutional basis of decentralized planning at the district level and below. But these have been done without creation of adequate database for the same. In the economic reforms era so many issues concerning food security, diversification of agriculture, growth of agri-allied sector including livestock and forest, non-farm employment, rural industrialization, tourism development, environmental protection, decent living, poverty, inequality and unemployment, micro-finance (self help group being the Indian variant), demographic transition, social sector and social development and many others have cropped up, which need to be addressed on scientific basis which demands the creation of sound database.

Decentralized planning for socio-economic development involves four types of activities – formulation of projects, implementation, monitoring during implementation and evaluation on completion. To carry out each of these activities relevant reliable and timely information is needed at every stage. Thus, planning being an

information-intensive activity and an indispensable component in decision-making suffers at all levels from scarcity in quantity and reliability in quality of information. It is more severely constrained at micro level and particularly for rural areas. Data gaps of decentralized planning relating to gender needs to be remedied and gender-differentiated and disaggregated database ought to be developed.

The statistical information system for decentralized planning has to provide the information needed by the decentralized institutions, namely panchayats, municipalities and the specialized agencies. It stands to reason that information needed for such planning should also be collected, analyzed and published so that Gram Panchayats, Panchayat Samitis and Zilla Parishads get a compendium of database for their planning and development.

The recent experience is that demand for social as well as technological information has recorded increase for the purposes of planning and socio-economic development, particularly in the context of decentralized planning. Reliable and up-to-date information on population, industrial and agricultural production and infrastructural facilities are essential for planning the advancement of a country and a region through proper allocation and smooth functioning of the economy. Comprehensive information relating to the present structure of the economy and society provide a sound basis for formulating development programmes.

Land use statistics at the district level and below is vitally necessary for decentralized planning including its pattern of financing, particularly own resource generation at the panchayats levels. Development of infrastructural sector is the primary thrust area of planning whether at the macro or micro levels.

Data on certain emerging issues like 'gender' and women empowerment have gained importance in recent years. Data on work participation rates of women, the educational and health profile data like maternal mortality rates need to be collected, processed and published at disaggregated levels. Data need to be published on own revenue, own expenditures, total receipts and expenditures of panchayats at all levels.

The Government of India has recently taken up some measures to create database relating to the decentralized planning institutions at the rural and urban levels. The Eleventh Finance Commission set apart Rs 200 crores for creation of database relating to the finances of local bodies and Rs 98.61 crores per annum for maintenance of accounts of village and intermediate level panchayats. It was recommended that a database on the finances of the panchayats and municipalities should be developed at the district, State and central government levels and be easily accessible by computerizing it and linking it through V. SAT (*Report of the Twelfth Finance Commission*: Chapter 8: 147). The Eleventh and Twelfth Finance Commissions of India dwelt on its importance and development of adequate information for decentralized planning at the rural and urban levels.

Social sector development has always been an important goal of development planning in India. A sound system of socio-economic statistics is vital for the effective development of social policy, for informed decision-making on policy issues and for evaluation of the impact of social and economic policies. This has become all the more important in the context of economic liberalization programmes currently under way in the country. Employment generation has been one of the important priorities of the Government of India. To have an idea about the employment situation in the country, the importance of the reliable and timely data need not be over emphasized.

In the era of democratic governance and information technology there are many ways of making information about the processes of governance and their impact on the people available to the citizens, one of which is publication of database and information brochure at regular intervals. Such publications apart from acting as channels of communication between the government and the governed enable the media to play their role as watchdogs of democracy and the researchers to go deep into these issues, the results of which may have serious policy implication.

Against this brief backdrop the present work seeks to address many of the above noted issues with reference to the districts of West Bengal which have a good tradition of decentralized planning and participatory decentralized development. In West Bengal, districts started decentralized planning since the mid-1980s. The need for preparing a sound database has since then been felt but no serious effort has been made to prepare and publish a comprehensive database to facilitate planning and development at the decentralized levels of the districts.

1.2 Objectives of the Work

Against this brief backdrop the main objectives of this Volume I are as follows.

(i) To present a database of districts of West Bengal, which includes both time series and cross section data that are useful for planning and development,

(ii) To analyze synoptically the data from different secondary sources.

1.3 Database

The data pertain to resources - environmental, human and physical, and their pattern of utilization and also social problems. Thus the volume presents data relating (a) Land use pattern, (b) Population by sex, age and caste, (c) Birth and mortality, (d) Education, (e) Livelihood pattern of population, (f) Agriculture and agri-allied activities including livestock, (g) Industry, (h) Infrastructure including financial institutions, (i) Local bodies, namely panchayats and municipalities, (j) Rural Development programmes and social welfare schemes, (k) Domestic product, and (l) Social problems, etc.

We have used secondary data from *Census of India*, *Economic Census*, *National Sample Survey Reports*, and *Statistical Abstract* and *Economic Survey* of Government of India and also from *Economic Review*, *Statistical Abstract* and *District Statistical Handbook* of Government of West Bengal. We have also relevant data from the offices of the State Government.

1.4 Plan of the Work

The rest of the present Volume is organized as follows. Chapter 2 presents database on resources and social problems of West Bengal vis-à-vis other major States of India. Chapter 3 furnishes the same on natural and human resources and economic livelihoods of people across the districts of the State. Chapter 4 presents database on growth of agricultural sector and allied activities across the districts. Chapter 5 does so for the manufacturing sector and Chapter 6 for infrastructure across the districts. Chapter 7 shows database on local bodies – panchayats and municipalities with accent on their constitution, functions and finance across the districts of the State. Chapter 8 does that on progress of rural development programmes and social security schemes across the districts. Chapter 9 furnishes database on growth of district domestic product. Chapter 10 presents social problems including gender and regional disparity in literacy, employment, income and consumption and poverty across the districts of the State. Chapter 11 depicts some notable places across the districts. Chapter 12 summarises the major findings of earlier chapters and makes concluding observations.

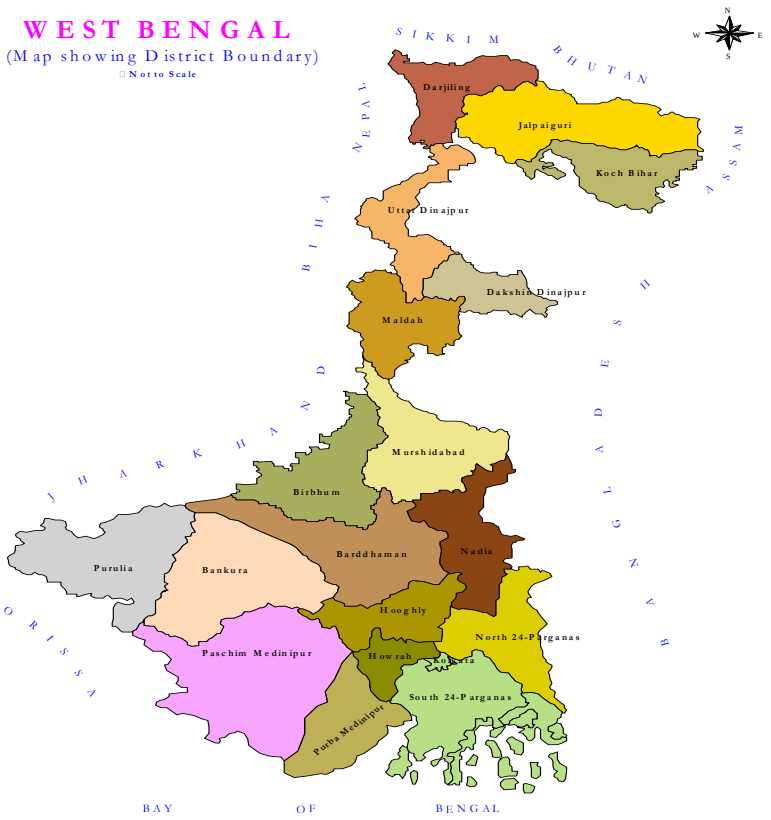
Chapter 2

WEST BENGAL IN DEVELOPMENT PERSPECTIVE OF INDIA

This chapter presents database on West Bengal in development perspective of India. It starts with some general information to be followed by important geographical features, natural and human resources and economic livelihoods, development in agriculture and allied sectors, industry, infrastructures including panchayats, domestic product and related social problems of the State in development perspective of the country.

West Bengal is a State in eastern India (Map 1), in fact a mini-India representing the geographical and development features of India excepting a desert. It is the State which has a variety of soil, climate, community, culture and economic characteristics. In 2001, it comprised 18 districts (see Map 2) that accounted for 3.04 per cent of the total number of districts (593) of India. The State accounted for 8.20 per cent of total households, 7.27 per cent of towns, 2.74 per cent of rural area and 1.97 per cent of urban area of the country (Table 2.1).

Map1 Map of India



Map 2 Map of West Bengal

In 2005, West Bengal had 19 districts accounting for 3.17 per cent of the total number of districts (600) of the country, 341 blocks and 40782 villages which constituted respectively 6.08 per cent and 6.39 per cent of the respective totals of India. Uttar Pradesh had the largest number of districts (70), blocks (820) and villages (107452) followed by Madhya Pradesh with 48 districts, 313 blocks and 55393 villages (Table 2.2).

Table 2.1 Percentage Share of West Bengal to Total Number of Districts, Households, Rural Area and Urban Area and Towns of the Whole of India, 2001

State/Country	Districts	Households	Rural households	Rural area (sq. km.)	Towns	Urban area (sq. km.)
West Bengal	18	15,872,083	11,270,822	85,427	375	3,325
All India	593	193,579,954	137,747,384	3,118,309	5161	168,931
Per cent	3.04	8.20	8.18	2.74	7.27	1.97

Sources:(i) Census of India, 2001, (ii) Directorate of Panchayats and Rural Development, Government of West Bengal

Table 2.2 Number of Districts, DRDAs, Blocks and Villages and Their Respective Percentage Share in West Bengal vis-à-vis Other Major States of India, 2005 (As on 1st November)

State/Country	District	Percentage share	DRDAs	Percentage share	Blocks	Percentage share	Villages	Percentage share
West Bengal	19	3.17	19	3.23	341	6.08	40782	6.39
Andhra Pradesh#	23	3.83	22	3.74	331	5.90	28123	4.40
Arunachal Pradesh	15	2.50	15	2.55	85	1.51	4065	0.64
Assam	23	3.83	23	3.91	219	3.90	26312	4.12
Bihar	38	6.33	37	6.29	534	9.52	45098	7.06
Chhattisgarh	16	2.67	16	2.72	146	2.60	20308	3.18
Goa	2	0.33	2	0.34	11	0.20	359	0.06
Gujarat	25	4.17	25	4.25	225	4.01	18539	2.90
Haryana	19	3.17	19	3.23	118	2.10	6955	1.09
Himachal Pradesh	12	2.00	12	2.04	74	1.32	20118	3.15
Jammu & Kashmir	14	2.33	14	2.38	134	2.39	6652	1.04
Jharkhand	22	3.67	22	3.74	211	3.76	32615	5.11
Karnataka	27	4.50	27	4.59	174	3.10	29406	4.60
Kerala	14	2.33	14	2.38	152	2.71	1364	0.21
Madhya Pradesh	48	8.00	48	8.16	313	5.58	55393	8.67
Maharashtra	33	5.50	33	5.61	346	6.17	43711	6.84
Manipur	9	1.50	9	1.53	36	0.64	2391	0.37
Meghalaya	7	1.17	7	1.19	32	0.57	6026	0.94
Mizoram	8	1.33	8	1.36	24	0.43	817	0.13
Nagaland	11	1.83	11	1.87	51	0.91	1317	0.21
Orissa	30	5.00	30	5.10	308	5.49	51349	8.04
Punjab	17	2.83	17	2.89	141	2.51	12673	1.98
Rajasthan	32	5.33	32	5.44	234	4.17	41353	6.48
Sikkim	4	0.67	4	0.68	4	0.07	452	0.07
Tamil Nadu	28	4.67	28	4.76	385	6.86	16317	2.56
Tripura	4	0.67	4	0.68	40	0.71	870	0.14
Uttar Pradesh	70	11.67	70	11.90	820	14.61	107452	16.83
Uttaranchal	13	2.17	13	2.21	92	1.64	16826	2.63
All India	600	100.00	588	100.00	5612	100.00	638588	100.00

Source: Ministry of Rural Development, Government of India (GOI).
Note: # In Andhra Pradesh number of Mandals are 1241.

2.1 Some Geographical Features of West Bengal

Geography of West Bengal is diverse, consisting of high peaks of the Himalayas in the northern extremes to coastal regions down south, with regions such as plateau and the Ganges delta intervening in between. West Bengal is the only State in India where the Himalayas are to the north and the sea is to the south, with both plains and plateaus covering the remaining region.

West Bengal is on the eastern neck of India, stretching from the Himalayas in the north to the Bay of Bengal to the south. It lies between 85 degrees 50 minutes and 89 degrees 50 minutes east longitude, and 21 degrees 10 minutes and 27 degrees 38 minutes north latitude. With Bangladesh, which lies on its eastern border, the State forms the ethno-linguistic region of Bengal. To its northeast lie the States of Assam and Sikkim and the country Bhutan, and to its southwest, the State of Orissa. To the west it borders the States of Jharkhand and Bihar, and to the northwest, Nepal. The capital of the State is Kolkata, the third largest urban agglomeration and the third largest city in India.

West Bengal is a State endowed with vast bio-diversity and comprises six agro-climatic zones. The fertile Gangtic delta lies in the State. Fallow land in the State is small relative to that in many States of the country.

As per Census of India, total geographical area of West Bengal in 2001 was 88,752 sq. km. which accounted for 2.7 per cent of the total geographical area of India (3287,263 sq.km.). As per Forest Survey of India total forest area of the State was 11.88 thousand sq. km. which accounted for 1.53 per cent of the total forest area of

the country. Forest area of the State constituted 13.38 per cent of its total geographical area against 82.31 per cent in Sikkim and 23.41 per in India as whole. Total forest area is classified into dense forest, open forest, mangrove and scrub. Dense forest accounted for 50.89 per cent of the total forest area of West Bengal against 85.45 per cent in Kerala and 50.41 per cent in India as a whole. Wastelands of the State accounted for 4.95 per cent of its total geographical area against 17.45 per cent for India as whole.West Bengal stands third in the country in terms of mineral production. Coal constitutes 99 per cent of the minerals extracted in West Bengal which is the third largest State for coal production, accounting for about 10 per cent of India's total coal production in value terms in 2006. Fireclay, China clay, limestone, copper, iron, wolfram, manganese and dolomite are mined in small quantities. West Bengal ranks next to Bihar and Madhya Pradesh in production of fireclay. The data on annual rainfall in Sub-Himalayan and Gangetic West Bengal show that there is the declining trend in the same during the period from 1991 to 2005 and there is wide fluctuation in annual rainfall during this period (Table 2.3 to Table 2.8).

Table 2.3 Geographical Area and Forest Cover in West Bengal vis-à-vis Other States and Union Territories of India

(Sq. km.)

State/Country	Geogra-phical area (G.A.) 2001	Percentage share 2001	Total forest area 2003	Percentage share	Forest cover 2003				Percentage of G.A.
					RF	PF	UF	Total	
West Bengal	88,752	2.70	11,879	1.53	7,054	3,772	1,053	11,879	13.38
Andhra Pradesh	275,069	8.38	63,821	8.23	50,479	12,365	977	63,821	23.20
Arunachal Pradesh	83,743	2.55	51,540	6.65	10,546	9,528	31,466	51,540	61.55
Assam	78,438	2.39	27,018	3.49	17,864	-	8,968	26,832	34.21
Bihar	94,163	2.86	6,473	0.84	693	5,779	1	6,473	6.87
Chhattisgarh	135,191	4.11	59,772	7.72	25,782	24,036	9,954	59,772	44.21
Goa	3,702	0.11	1,224	0.16	237	-	987	1,224	33.06
Gujarat	196,022	5.96	19,113	2.47	14,067	696	4,199	18,962	9.67
Haryana	44,212	1.34	1,558	0.20	249	1,158	152	1,559	3.53
Himachal Pradesh	55,673	1.69	37,033	4.78	1,896	33,043	2,094	37,033	66.52
Jammu & Kashmir	222,236	6.76	20,230	2.61	17,643	2,551	36	20,230	9.10
Jharkhand	79,714	2.42	23,605	3.05	4,387	19,185	33	23,605	29.61
Karnataka	191,791	5.83	43,084	5.56	28,690	3,931	5,663	38,284	19.96
Kerala	38,863	1.18	11,268	1.45	11,123	142	-	11,265	28.99
Madhya Pradesh	308,245	9.38	95,221	12.29	61,886	31,931	1,705	94,689	30.72
Maharashtra	307,713	9.36	61,939	7.99	49,226	8,195	4,518	61,939	20.13
Manipur	22,327	0.68	17,418	2.25	1,467	4,171	11,780	17,418	78.01
Meghalaya	22,429	0.68	9,496	1.23	1,112	12	8,372	9,496	42.34
Mizoram	21,081	0.64	16,717	2.16	7,909	3,568	5,240	16,717	79.3
Nagaland	16,579	0.50	8,629	1.11	86	508	8,628	9,222	55.62
Orissa	155,707	4.74	58,136	7.50	26,329	15,525	16,282	58,136	37.34
Punjab	50,362	1.53	3,084	0.40	44	1,137	1,903	3,084	6.12
Rajasthan	342,239	10.41	32,488	4.19	11,860	17,652	2,976	32,488	9.488
Sikkim	7,096	0.22	5,841	0.75	5,452	389	-	5,841	82.31
Tamil Nadu	130,058	3.96	22,877	2.95	19,388	2,183	1,306	22,877	17.59
Tripura	10,486	0.32	6,293	0.81	4,175	2	2,117	6,294	60.02
Uttar Pradesh	240,928	7.33	16,826	2.17	11,509	1,837	3,450	16,796	6.97
Uttrakhand	53,483	1.63	34,662	4.47	24,638	9,882	131	34,651	64.79
Total	3,287,263	100.00	774,740	100.00	419,028	216,605	133,993	769,626	23.41

Notes: RF = Reserve Forest, PF = Protected Forest, UF = Unclassified Forest.

Source: Forest Survey of India, *State of Forest Report 2003*, Dehradun.

Table 2.4 Forest Area by Type in West Bengal vis-à-vis Other Major States of India, 2003 (Sq.kms.)

State/Country	Total forest area	Dense forest	Per cent	Open forest	Per cent	Mangrove	Per cent	Scrub	Per cent
West Bengal	11879	6045	50.89	6298	53.02	2120	17.85	75	0.63
Andhra Pradesh	63821	24379	38.20	20040	31.40	329	0.52	9748	15.27
Assam	27018	13042	48.27	14784	54.72	-		219	0.81
Bihar	6473	3027	46.76	2531	39.10	-		150	2.32
Gujarat	19113	6345	33.20	8601	45.00	960	5.02	1743	9.12
Haryana	1558	520	33.38	997	63.99	-		68	4.36
Karnataka	43084	22461	52.13	13988	32.47	3	0.01	3141	7.29
Kerala	11268	9628	85.45	5949	52.80	8	0.07	72	0.64
Madhya Pradesh	95221	41843	43.94	34586	36.32	-		2378	2.50
Maharashtra	61939	28387	45.83	18478	29.83	116	0.19	4175	6.74
Orissa	58136	28170	48.46	20196	34.74	207	0.36	5346	9.20
Punjab	3084	743	24.09	837	27.14	-		22	0.71
Rajasthan	32488	4496	13.84	11330	34.87	-		4564	14.05
Tamil Nadu	22877	12007	52.49	10636	46.49	35	0.15	2040	8.92
Uttar Pradesh	16826	5996	35.64	8122	48.27	-		749	4.45
All India	774740	390564	50.41	287769	37.14	4461	0.58	40269	5.20

Source: As in Table 2.3

Table 2.5 Value of Minerals and Ores Produced in West Bengal vis-à-vis the Whole of India, 2003 to 2006 (Rs lakh)

State/ Country	Iron				Coal				Petroleum (crude)			
	2003	2004	2005	2006	2003	2004	2005	2006	2003	2004	2005	2006
West Bengal	-	-	-	-	220913	266827	284567	313220	-	-	-	-
All India	310076	503236	687009	92641	2272296	2609517	2817641	3281379	1839825	1900039	1808523	1873804
Per cent	-	-	-	-	9.72	10.23	10.10	9.55	-	-	-	-

Source: Monthly Statistics of Minerals Production, India Bureau of Mines, Government of India.

Table 2.6 Pattern of Land Utilisation in West Bengal vis-à-vis Other Major States of India, 2001-02 ('000 hectares)

State/Country	Reporting area for land utilisation statistics	Forests	Not available for cultivation	Permanent pastures & other grazing lands	Land under misc.tree crops & groves (Not included in net area sown)	Culturable waste land
West Bengal	8695	1184	1573	4	56	38
Andhra Pradesh	27440	6199	4749	676	277	700
Assam	7850	1933	2532	160	209	76
Bihar	9360	622	2079	18	235	46
Gujarat	18639	1706	3726	850	4	1988
Haryana	4372	45	526	25	7	30
Karnataka	19050	3070	2133	956	302	423
Kerala	3885	1082	422	(a)	14	64
Madhya Pradesh	30755	8683	3255	1481	18	1218
Maharashtra	30758	5217	3095	1250	245	915
Orissa	15571	5813	1842	443	482	392
Punjab	5033	280	437	4	3	15
Rajasthan	34265	2645	4272	1699	13	4731
Tamil Nadu	12991	2132	2476	118	271	387
Uttar Pradesh	24202	1689	3109	71	355	518
All India	304845	69487	41780	10581	3335	13352

Table 2.6 (continued)

State/Country	Classification of reported area – continued				
	Fallow land		Net area sown	Area sown more than once	Total cropped area
	Fallow lands other than current fallows	Current fallows			
West Bengal	28	289	5522	4257	9779
Andhra Pradesh	1421	3007	10410	2347	12756
Assam	67	80	2793	1191	3985*
Bihar	135	563	5664	2233	7897
Chattisgarh	231	243	4800	796	5595
Goa	-	-	141	27	168
Gujarat	11	733	9622	1112	10734
Haryana	173	3566	2752	6318	
Himachal Pradesh	13	56	550	406	956
Jammu & Kashmir	8	82	748	358	1106
Karnataka	426	1728	10031	1638	11670

Table 2.6 (continued)

State/Country	Classification of reported area – continued				
	Fallow land		Net area sown	Area sown more than 0nce	Total cropped area
	Fallow lands other than current fallows	Current fallows			
Kerala	34	79	2191	802	2992
Madhya Pradesh	604	636	14859	4185	19044
Maharashtra	1195	1222	17619	4762	22381
Orissa	434	320	5845	2954	8799
Punjab	3	40	4250	3866	8116*
Rajasthan	2321	1819	16765	4033	20798
Tamil Nadu	1409	1026	5172	1054	6226
Uttar Pradesh	624	1026	16812	9196	26008
All India	10254	14673	141383	49105	190488

Source: Directorate of Economics and Statistics, Ministry of Agriculture, Government of India

Table 2.7 Wastelands of West Bengal vis-à-vis the Whole of India, 2005 (As in September) (Area in sq. km.)

State/Country	Number of districts overed	Total geographical area of districts covered	Total wastelands area in districts covered	Per cent of wastelands to total geographical area
West Bengal	18	88752.00	4397.56	4.95
All India	593	3166414.00	552692.25	17.45
Per cent	3.02	2.80	0.80	28.37

Note: 10,000 sq. km. = 1 Million Hectares.
Source: Government of India, Ministry of Rural Development, *Annual Report 2005-06*.

Table 2.8 Annuual Rainfall in Sub-Himalayan and Gangetic West Bengal, 1991 to 2005 (Milimetre)

West Bengal	1991	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Sub-Himalayan	3106	2896	2531	2351	3275	3007	2559	2620	2820	3289	2768	2671
Gangetic	1969	1739	1400	1671	1570	1850	1590	1460	1598	1458	1488	1585

Source: India Metreological Department.

2.2 Human Resources and Economic Livelihoods

This section presents database of human resources and economic livelihoods of West Bengal vis-à-vis other major States / the whole of India. Variety of demographic aspects, namely population, sex ratio, vital rates, literacy, workforce and economic livelihoods of people are presented here based on data from Census of India, National Sample Survey Organisation and Central Statistical Organisation, Government of India.

Census of India gives time series data on human resources for regions of the country. The National Sample Survey provides detailed and useful data on human resources and economic livelihoods at the State level but not below. As the nodal department for the official statistics, it has been the endeavour of the Central Statistical Organisation (CSO) in the Ministry of Statistics & Programme Implementation (MOS&PI) to make available such statistics and indicators for the use of planners, policy makers, academicians, researchers and public at large. Keeping this objective in view, the CSO is bringing out a publication entitled "Selected Socio-Economic Statistics India" on a regular basis.

2.2.1 Human Resources

Different aspects of human resources including population by caste, region, age and sex, sex ratio, vital rates and literacy are presented in this sub-section.

Population by caste, sex and region: As per *Census of India*, total population of West Bengal was 349.26 lakh in 1961, which increased in 2001 to 801.76 lakh accounting for 6.48 per cent of the total population of India. In this year, West Bengal was the fourth largest population State among the States of India, Uttar Pradesh with 16.62 crore population being the first, Maharashtra with 9.69 crore population the second and Bihar with 8.30 crore population the third. The rate of growth of population of the State during 1961 to 1971 was 26.87 per cent, which came down to 17.77 per cent during 1991 to 2001. The decadal growth rates of population of the State during 1971 to 2001 were below those of the country. At the national level, there was a declining trend in the population growth rate from 23.9 per cent during 1981-1991 to 21.5 per cent during 1991-2001. Compared to the national average, West Bengal recorded sharp decline in growth rate of population during 1981-91 and 1991-2001. During 1991-2001, the decadal growth rate of rural population (17.0 per cent) of the State was lower than that of urban (19.9 per cent) (Table 9 &Table 10).

In 2001, West Bengal was the most populated State in the country. The density of population being defined as the number of persons per sq. km. was 903 in West Bengal followed by Bihar (881) and Kerala (819). In 1991 it was 767 persons in West Bengal. The population density in the State in 2001 was almost three times the all India population density of 325 persons per sq. km. According to Census 2001 the percentage of urban population in West Bengal was 27.97, which was almost similar to 27.81 per cent urban population in India.as a whole The percentage of urban population to total population was highest (43.8 per cent) in Tamil Nadu followed by Maharashtra (42.40 per cent). West Bengal in this year had 239 towns as against 670 in Uttar Pradesh and 668 in Tamil Nadu and had 27 first class towns (with 1 lakh population) as against 54 in Uttar Pradesh and 34 in Maharashtra.

The scheduled castes population of the State increased from 16.1 million in 1991 to 18.5 million in 2001. Among the States, West Bengal had in 2001 the second largest population of scheduled castes in percentage term (23.3), the highest (28.9 per cent) being recorded in Punjab. Among the scheduled castes and scheduled tribes, the growth rates of population during 1991-2001 were 14.8 per cent and 15.7 per cent respectively. West Bengal had the fourth rank among the major States in respect of percentage share of scheduled caste and scheduled tribe population taken together (28.5 per cent), the highest being recorded in Orissa (38.6 per cent) followed by

Madhya Pradesh, and Rajasthan (29.8 per cent). The proportion of scheduled caste population was 23.02 per cent and the proportion of scheduled tribe population was 5.50 per cent in West Bengal.

Sex ratio being the most sensitive index of women's status captures a wide range of factors linked to women's access to public and private resources (Ramachandran, 2002). In fact in analyzing the status of women, sex ratio is considered an outcome indicator – it is the reflection of higher mortality of girl children in the 0-5 years age group, neglect and discrimination in food, health care and physical well being at all stages of life (ibid, 2002). It is an important indicator for measuring the extent of gender equity at a given point of time. The sex ratio of population being defined as the number of females per 1000 males improved in West Bengal in 2001 to 934 from 917 recorded in 1991. The sex ratio of the State was higher than the all-India average (933 in 2001). It is also noted that the sex ratio in West Bengal has been steadily increasing during the last five decades after Independence whereas at national level it registered a decreasing trend during this period. In 2001 the sex ratio was highest in Kerala (1058 females per 1000 males). The sex ratio improved both in rural and urban areas of West Bengal during 1991-2001. In the rural areas, it increased from 940 to 950 while in urban areas the increase was from 858 to 893. In 2001 Census, the sex ratio in the age group 0-6 at the State level was 960 against 967 recorded in West Bengal in 1991. Despite decline, the child sex ratio was far higher than the national average of 927 in 2001 Census. The child sex ratio of scheduled castes population also declined from 961 to 958 and for the scheduled tribes, it declined from 983 to 981 during 1991 to 2001 (Table 11 to Table 14).

Child population and vital rate: The overall percentage of child population in the age group 0-6 in West Bengal in 2001 Census was 14.2 per cent against 17.0 per cent returned in 1991 Census. For scheduled castes population, the percentage of 0-6 age group population declined from 18.8 per cent in 1991 to 15.1 per cent in 2001. In the case of scheduled tribes, it was down from 19.5 per cent in 1991 to 16.7 per cent in 2001. These trends are indicative of the declining fertility among all the segments of population in the State. Birth rate, death rate and infant mortality rate declined remarkably in rural areas of both West Bengal and India as a whole during 1985 to 2005. Infant mortality rate (4. 0 per cent) in rural West Bengal in 2005 was also lower than that of rural India (6.4 per cent) as a whole and it is the case for both male and female infant mortality rates in 2005 (Table 2.15 to Table 2.16). Expectation of life for both male and female at birth in the State was higher than that of India and projected population of the State in 2011 was 90.8 million while it was 1178.9 million for the whole of India. Mean age at marriage for male was higher in the State while that for female was lower (Table 2.17 & Table 2.18). Estimated mid-year population in West Bengal vis-à-vis other major States of India for 1991 to 2005 is shown in Table 2.19. Population by religion is shown in Table 2.20.

Literacy: Literacy and education are important indicators of development of a society. The literacy rate in the State improved from 57.7 per cent in 1991 to 68.6 per cent in 2001 showing an increase of 10.9 percentage points during 1991-2001. The literacy rate in India as a whole was 64.82 per cent which was lower than the West Bengal literacy rate. In 2001, 77.02 per cent of male residents and 59.61 per cent of female residents of the State were literate as against 46.6 per cent and 46.6 per cent respectively in 1991. The literacy rate was 59.04 per cent among scheduled castes and 43.40 per cent among scheduled tribes in the State. Literacy rate in Kerala in 2001 was 90.9 per cent while it was 76.9 per cent in Maharashtra. Rural literacy rate in the year was 63.4 per cent as against 90.0 per cent in Kerala and in 70.4 per cent Maharashtra. Female literacy rate in the State was 59.6 per cent while it was 87.7 per cent in Kerala and 67.0 per cent in Maharashtra. The literacy rate of West Bengal in urban areas (81.2 per cent) was above the national average of 64.8 per cent. The literacy rate in urban areas was considerably higher in the State than that in rural areas (63.4 per cent) in 2001. Literacy data show considerable gap between non-tribal and the scheduled tribes' population. This was despite the fact that the scheduled tribes literacy rate increased from a very low 27.8 per cent in 1991 to 43.4 per cent in 2001. Still it remained low when compared with that of non-tribal population. The male literacy rate among the scheduled castes population increased to 70.5 per cent in 2001 from 54.6 per cent in 1991. Similarly, the female literacy rate increased from 28.9 per cent in 1991 to 46.9 per cent in 2001. Among the scheduled tribes population, male literacy rate increased from 40.1 per cent to 57.4 per cent during 1991-2001 while the female literacy rate increased from 15.0 per cent to 29.2 per cent. While in both 1991 and 2001 literacy rate among SCs in West Bengal was higher than that in the whole of India, that among STs in the State was lower and the difference widened in 2001 compared to that in 1991. Literacy rate among SCs in rural West Bengal in 2001 was higher while that among STs it was lower than that of India as a whole (Table 2.21 to Table 2.23).

In 2004-05, in West Bengal 32.5 per cent of persons 15 years and above were not literate (against 38.2 per cent in India as a whole) while literate and up to primary 32.1 per cent, middle 16.2 per cent, secondary 8.2 per cent, higher secondary 4.9 per cent, diploma / certificate 0.3 per cent and graduate and above 5.8 per cent. In the same year the percentages of rural males and females in the same age group were lower in the State than the respective all-India percentages (Table 2.24 to Table 2.27).

Table 2.9 Population in West Bengal vis-à-vis Other Major States of India, 1951 to 2001

State/Country	1951	1961	1971	1981	1991	2001	Rank 2001
West Bengal	26299980	34926279	44312011	54580647	68077965	80176197	4
Andhra Pradesh	31095259	35983447	43502708	53551026	66508008	76210007	5
Assam	8028856	10837329	14625152	18041248	22414322	26655528	13
Bihar	37782271	46447457	56353369	69914734	64530554	82998509	3
Gujarat	16262657	20633350	26697475	34085799	41309582	50671017	10
Haryana	5673614	7590524	10036431	12922119	16463648	21144564	15
Karnataka	19401956	23586772	29299014	37135714	44977201	52850562	9
Kerala	13559118	16903715	21347375	25453680	29098518	31841374	12
Madhya Pradesh	26071637	32372408	41654119	52178844	48566242	60348023	7
Maharashtra	32002564	39553718	50412235	62782818	78937187	96878627	2
Orissa	14645946	17548846	21944615	26370271	31659736	36804660	11
Punjab	9160500	11135069	13551060	16788915	20281969	24358999	14
Rajasthan	15970774	20155602	25765806	34261862	44005990	56507188	8
Tamil Nadu	30119047	33686953	41199168	48408077	55858946	62405679	6
Uttar Pradesh	63219655	73754573	88341521	110862512	132061653	166197921	1
All India	353059234	439234771	548159652	683329097	846421039	1028737436	-

Source: Office of the Registrar General of India, Ministry of Home Affairs

Table 2.10 Decennial Growth of Population in West Bengal vis-à-vis Other Major States of India, 1951-61 to 1991-01

(Per cent)

State/Country	1951-61	1961-71	1971-81	1981-91	1991-2001	Rank
West Bengal	32.80	26.87	23.17	24.73	17.77	11
Andhra Pradesh	15.65	20.90	23.10	24.20	14.59	14
Assam	34.98	34.95	23.36	24.24	18.92	10
Bihar	19.79	20.91	24.16	23.38	28.62	2
Gujarat	26.88	29.39	27.67	21.19	22.66	8
Haryana	33.79	32.22	28.75	27.41	28.43	3
Karnataka	21.57	24.22	26.75	21.12	17.51	12
Kerala	24.76	26.29	19.24	14.32	9.43	16
Madhya Pradesh	24.73	29.28	27.16	27.24	24.26	6
Maharashtra	23.60	27.45	24.54	25.73	22.73	7
Orissa	19.82	25.05	20.17	20.06	16.25	13
Punjab	21.56	21.70	23.89	20.81	20.10	9
Rajasthan	26.20	27.83	32.97	28.44	28.41	4
Sikkim	17.76	29.38	50.77	28.47	33.06	1
Tamil Nadu	11.85	22.3	17.50	15.39	11.72	15
Uttar Pradesh	16.38	19.54	25.39	25.61	25.85	5
All India	21.51	24.80	24.66	23.87	21.54	-

Source: Office of the Registrar General of India, Ministry of Home Affairs

Table 2.11 Population by Region, Sex, Sex Ratio and Density of Population in West Bengal vis-à-vis Other Major States of India, 1991 & 2001

State/Country	Rural population 2001	Urban population 2001	Total population (thousand)				Sex ratio (females per 1000 males)		Density of population (per sq.km.)	
			Male		Female					
			1991	2001	1991	2001	1991	2001	1991	2001
West Bengal	57748946	22427251	35511	41466	32567	38710	917	934	767	903
Andhra Pradesh	55401067	20808940	33725	38527	32783	37683	972	978	242	277
Assam	23216288	3439240	11658	13778	10756	12878	923	935	286	340
Bihar	74316709	8681800	45202	43244	41172	39755	907	919	685	881
Gujarat	31740767	18930250	21355	26386	19955	24285	934	920	211	258
Haryana	15029260	6115304	8828	11364	7636	9781	865	861	372	478
Karnataka	34889033	17961529	22952	26899	22025	25952	960	965	235	276
Kerala	23574449	8266925	14289	15468	14810	16373	1036	1058	749	819
Madhya Pradesh	44380878	15967145	34267	31444	31914	28904	912	919	158	196
Maharashtra	55777647	41100980	40825	50401	38112	46478	934	922	257	315
Orissa	31287422	5517238	16064	18661	15596	18144	971	972	203	236
Punjab	16096488	8262511	10778	12985	9504	11374	882	876	403	484
Rajasthan	43292813	13214375	23043	29420	20963	27087	910	921	129	165
Tamil Nadu	34921681	27483998	28299	31401	275560	31005	974	987	429	480
Uttar Pradesh	131658339	34539582	74037	87565	65075	78633	876	898	548	690
All India	742617747+	286119689+	439231	532223	407172	496514	927	933	267	325

Source: Office of Registrar General of India, Ministry of Home Affairs, *Census of India 1991, 2001*
+ The 1981 Census could not be held owing to distrubed conditions prevailing in Assam. Hence the population figures for 1981 of Assam have been worked out by 'Interpolation'.

Table 2.12 Percentage of Urban Population to Total Population in West Bengal vis-à-vis Other Major States of India, 1971 to 2001

State/Country	1951	1961	1971	1981	1991	2001	Rank 2001
West Bengal	23.88	24.45	24.75	26.47	27.48	28.00	6
Andhra Pradesh	17.43	17.44	19.31	23.32	26.89	27.00	7
Assam	4.29	7.21	8.82	9.88	11.10	12.70	13
Bihar	6.95	8.43	10.00	12.47	13.14	10.40	14
Gujarat	27.23	25.77	28.08	31.10	34.49	37.30	3
Haryana	17.07	17.23	17.67	21.88	24.63	29.00	5
Karnataka	22.95	22.33	24.31	28.89	30.92	33.90	4
Kerala	13.54	15.11	16.24	18.74	26.39	25.90	9
Madhya Pradesh	12.02	14.29	16.29	20.29	23.18	26.60	8
Maharashtra	28.75	28.22	31.17	35.03	38.69	42.40	2
Orissa	4.06	6.32	8.41	11.79	13.38	14.90	12
Punjab	21.72	23.06	23.73	27.68	29.55	33.90	4
Rajasthan	18.50	16.28	17.63	21.05	22.88	23.30	10
Tamil Nadu	24.35	26.69	30.26	32.95	34.15	43.80	1
Uttar Pradesh	13.64	12.85	14.02	17.95	19.84	20.70	11
All India	17.59	18.24	19.91	23.34	25.71	27.70	-

Source: Office of the Registrar General, India

Table 2.13 Number and Population of Towns (by Classes) and Villages in West Bengal vis-à-vis Other Major States of India, 2001

State/Country	Total	Class of Town						Inhabited villages	Uninhabited village
		I	II	III	IV	V	VI		
		100,000 & above	50,000 - 99999	20,000 – 49999	10,000 – 19,999	5,000-9,999	Under 5,000		
West Bengal									
Number	239	27	16	43	49	83	21	37945	2,837
Population	22,427,251	18,728,215	976,655	1,340,768	706,380	579,232	96,001		
Andhra Pradesh									
Number	173	39	44	45	23	20	2	266143	1,510
Population	20,808,940	15,731,221	2,911,483	1,671,257	347,609	139,923	7,447		
Assam									
Number	110	7	7	22	31	35	8	25124	1,188
Population	3,439,240	1,615,154	403,728	658,045	465,618	264,198	32,497		
Bihar									
Number	120	19	16	65	17	3	----	39015	6,083
Population	8,681,800	5,144,150	1,186,294	2,050,588	280,820	19,948	----		
Gujarat									
Number	190	28	28	62	44	15	13	18066	473
Population	18,930,250	14,414,128	1,836,335	1,857,261	675,462	121,631	25,433		
Haryana									
Number	97	19	6	24	32	15	1	6764	191
Population	6,115,304	4,437,295	353,506	727,404	468,628	124,017	4,454		
Karnataka									
Number	237	24	27	101	53	27	5	27481	1,925
Population	17,961,529	12,073,393	1,726,322	3,107,755	838,852	192,574	22,633		
Kerala									
Number	98	14	14	35	26	9	----	1364	0
Population	8,266,925	5,691,294	939,744	1,156,056	412,045	67,786	----		
Madhya Pradesh									
Number	368	26	26	89	141	80	6	52117	3,276
Population	15,967,145	8,842,338	1,933,973	2,566,719	1,954,948	645,793	23,374		
Maharashtra									
Number	347	34	39	127	92	47	8	41095	2,616
Population	41,100,980	32,771,233	2,731,779	3,885,630	1,339,635	343,423	29,280		
Orissa									
Number	132	8	14	33	47	24	6	47529	3,820
Population	5,517,238	2,679,455	942,299	1,000,852	695,624	174,333	24,675		

Table 2.13 (continued)

State/Country	Total	Class of Town						Inhabited villages	Uninhabited village
		I	II	III	IV	V	VI		
		100,000 and above	50,000 to 99999	20,000 – 49999	10,000 – 19,999	5,000 - 9,999	Under 5,000		
Punjab									
Number	157	14	18	36	54	29	6	12278	395
Population	8,262,511	4,819,089	1,314,224	1,082,085	810,753	213,410	22,950		
Rajasthan									
Number	216	20	26	90	59	17	4	39753	1,600
Population	13,214,375	7,561,381	1,841,559	2,748,917	914,331	132,778	15,409		
Tamil Nadu									
Number	668	29	45	121	282	180	11	15400	917
Population	27,483,998	15,540,991	3,174,916	3,394,814	3,911,352	1,419,673	42,252		
Uttar Pradesh									
Number	670	54	52	174	250	131	9	97942	9,510
Population	34,539,582	21,377,399	3,531,155	5,028,705	3,529,407	1,033,757	39,159		

Source: Office of the Registrar General India, Ministry of Home Affairs

Table 2.14 Scheduled Castes and Scheduled Tribes Population in West Bengal vis-à-vis Other Major States of India, 2001

State/Country	Scheduled Castes						
	Males	Females	Persons	Rural	Urban	Percentage to total population	Rank
West Bengal	9469659	8982896	18452555	15524925	2927630	23.0	2
Andhra Pradesh	6228011	6111485	12339496	10219409	2120087	16.2	8
Assam	943674	882275	1825949	1553691	272258	6.9	14
Bihar	6784676	6263932	13048608	12178555	870053	15.7	3
Gujarat	1866283	1726432	3592715	2180441	1412274	7.1	13
Haryana	2188585	1902525	4091110	3210917	880193	19.3	4
Karnataka	4339745	4224185	8563930	6417243	2146687	16.2	9
Kerala	1525114	1598827	3123941	2553725	570216	9.8	12
Madhya Pradesh	4804881	4350296	9155177	6914726	2240451	15.2	10
Maharashtra	5063062	4818594	9881656	6093829	3787827	10.2	11
Orissa	3073278	3008785	6082063	5378788	703275	16.5	7
Punjab	3714350	3314373	7028723	5318254	1710469	28.9	1
Rajasthan	5067679	4626783	9694462	7739926	1954536	17.2	6
Tamil Nadu	5932925	5924579	11857504	8308890	3548614	19	5
Uttar Pradesh	18502838	16645539	35148377	30816596	4331781	21.1	3
All India	86088760	80546940	166635700	133010878	33624822	16.2	-

Table 2.14 (continued)

State/Country	Scheduled Tribes						Percentage of SC & ST population to total population	Rank
	Males	Females	Persons	Rural	Urban	Percentage to total population		
West Bengal	2223924	2182870	4406794	4136366	270428	5.5 (9)	28.5	4
Andhra Pradesh	2548295	2475809	5024104	4646923	377181	6.6 (7)	22.8	5
Assam	1678117	1630453	3308570	3154546	154024	12.4 (5)	19.3	10
Bihar	393114	365237	758351	717702	40649	0.9 (12)	16.6	12
Gujarat	3790117	3691043	7481160	6866637	614523	14.8 (3)	21.9	7
Karnataka	1756238	1707748	3463986	2934530	529456	6.6 (8)	22.8	6
Kerala	180169	184020	364189	350019	14170	1.1 (10)	10.9	13
Madhya Pradesh	6195240	6038234	12233474	11446448	787026	20.3 (2)	35.5	2
Maharashtra	4347754	4229522	8577276	7486537	1090739	8.9 (6)	19.1	11
Orissa	4066783	4078298	8145081	7698358	446723	22.1(1)	38.6	1
Rajasthan	3650982	3446724	7097706	6717830	379876	12.6 (4)	29.8	3
Tamil Nadu	328917	322404	651321	551143	100178	1.0 (11)	20	9
Uttar Pradesh	55834	52129	107963	95828	12135	0.1 (13)	21.2	8
All India	42640829	41685411	84326240	77338597	6987643	8.2	24.4	-

Source: Office of the Registrar General of India, Ministry of Home Affairs, Government of India (GOI)
Notes :( ) Figures within parentheses indicate respective ranks.

Table 2.15 Percentage Share of Children and Sex Ratio by Caste in West Bengal vis-à-vis the Whole of India, 1991 and 2001

Demographic Indices	1991		2001	
	West Bengal	India	West Bengal	India
Per cent share of children (0-6)	16.98	17.94	14.24	15.93
Sex Ratio All	917	927	934	933
SC	931	922	949	936
ST	964	972	982	978
Children (0-6)	967	945	960	927

Source: Government of West Bengal, *Human Development Profiles* 2007.

Table 2.16 Vital Rates in West Bengal, 1981 to 2007

Year	Birth rate (per cent)			Death rate (per cent)			Infant mortality rate (per 1000)		
	Rural	Urban	Combined	Rural	Urban	Combined	Rural	Urban	Combined
1981	37.0	20.0	33.2 (33.9)	12.2	6.9	11.0 (12.5)	98.0	44.0	91.0 (110.0)
1985	33.0 (34.3)	20.5 (28.1)	29.4 (32.9)	10.7 (13.0)	6.8 (7.8)	9.6 (11.8)	80.0 (107.0)	46(59.0)	74.0 (97.0)
1990	32.0 (31.7)	18.6 (24.7)	28.2 (30.2)	9.0 (10.5)	7.0 (6.8)	8.4 (9.7)	68.0 (86.0)	41(50.0)	63.0 (80.0)
1991	30.3	18.5	27.0 (29.5)	8.9	6.7	8.3 (9.8)	76.0	47.0	71.0 (80.0)
2000	23.0 (27.5)	14.0 (20.7)	20.6 (25.8)	7.1 (9.3)	6.7 (6.3)	7.0 (8.5)	54.0 (74.0)	37(43.0)	51.0 (68.0)
2001	22.9 (27.1)	13.8 (20.3)	20.6 (25.4)	7.2 (9.1)	6.4 (6.3)	7.0 (8.4)	54.0 (72.0)	37(42.0)	51.0 (66.0)
2002	22.6 (26.6)	14.1 (20.3)	20.5 (25.0)	6.9 (8.7)	6.4 (6.1)	6.7 (8.1)	52.0 (69.0)	36(40.0)	49.0 (63.0)
2003	22.4 (26.4)	14.0 (20.0)	20.3 (24.8)	6.8 (8.7)	6.2 (6.0)	6.6 (8.0)	48.0 (66.0)	34(38.0)	46.0 (60.0)
2004	21.8 (25.9)	12.9 (19.8)	19.3 (24.1)	6.4 (8.2)	6.0 (5.8)	6.3 (7.5)	42.0 (64.0)	32(40.0)	40.0 (58.0)
2005	21.2 (25.6)	12.6 (19.0)	18.8 (23.8)	6.3 (8.1)	6.6 (6.0)	6.4 (7.6)	40.0 (64.0)	31(40.0)	38.0 (58.0)
2006	20.7	12.3	18.4 (23.5)	6.2	6.3	6.2 (7.5)	40.0	29.0	38.0 (57.0)
2007	19.8	12.7	17.9 (23.1)	6.3	6.4	6.3 (7.4)	39.0	29.0	37.0 (55.0)

Note: ( ) Figures within parentheses indicate vital rates for India.
Source: Government of West Bengal, *Economic Review*, Various Issues

Table 2.17 Expectation of Life at Birth of West Bengal vis-à-vis the Whole of India, 2001-2006

State/Country	Expectation of life at birth (Years)	
	Male	Female
West Bengal	66.08	69.34
All India	63.87	66.91

Source: GOI, Documentation Centre on Women and Children (DCWC), *Fact sheet on Women in India*, 2005.

Table 2.18 Projected Population of West Bengal vis-à-vis the Whole of India, 2011 and 2016 (Millions)

State/Country	2011	2016
West Bengal	90.80	96.20
All India	1178.90	1263.50
Per cent	7.70	7.61

Source: GOI, *Population Projections for India and States* 1996-2016, *Census of India* 1991, Registrar General India 1996

Table 2.19 Estimated Mid-Year Population in West Bengal vis-à-vis Other Major States of India, 1991 to 2005

(As on 1st July) ('000 Nos.)

State/Country	1991	1999	2000	2001	2002	2003	2004	2005
West Bengal	68549	78584	79581	80492	81649	82671	83650	84599
Andhra Pradesh	66942	75228	75874	76399	77471	78384	79275	80147
Assam	22569	26036	26417	26779	27212	27615	28013	28406
Bihar	65007	79184	81419	83788	85157	86728	88268	89776
Gujarat	41568	48794	49895	51058	51855	52723	53580	54426
Haryana	16597	20253	20781	21328	21726	22162	22597	23029
Karnataka	45241	51526	52321	53119	53791	54479	55155	55822
Kerala	29210	31468	31698	31916	32230	32518	32803	33083
Madhya Pradesh	48947	58364	59559	60751	61998	63211	64413	65605
Maharashtra	79528	93929	95713	97476	98973	100564	102161	103755
Orissa	31843	36025	36501	36961	37392	37814	38224	38626
Punjab	20406	23616	24058	24511	24813	25157	25499	25839
Rajasthan	44366	54119	55531	56999	58055	59217	60375	61525
Sikkim	410	510	528	547	550	557	564	571
Tamil Nadu	56103	61444	62033	62598	63185	63741	64279	64800
Uttar Pradesh	133073	159927	163659	167481	170679	174091	177532	180990
All India	852297	997556	1034932	1034931	1051258	1068065	1084757	1101318

Source: Office of the Registrar General of India, Ministry of Home Affairs

Notes: 1. Estimate based on Final Population Totals, Census of India 2001.

2. Projected population for 2002-03 are based on Final Population Totals, Census of India 2001.

3. 2001 population excludes Paomata, Mao-Maram and Purul sub-divisions of Senapati District of Manipur State.

Table 2.20 Population by Religion in West Bengal vis-à-vis Other Major States of India, 2001

State/Country	Hindu		Muslims		Christians		Sikhs
	Population	Percentage increase 1991-2001	Population	Percentage increase 1991-2001	Population	Percentage increase 1991-2001	Population
West Bengal	58104835	14.22	20240543	25.90	515150	34.33	66391
Andhra Pradesh	67836651	14.43	6986856	17.94	1181917	-2.83	30998
Assam	17296455	14.94	8240611	29.30	986589	32.54	22519
Bihar	69076919	27.11	13722048	35.48	53137	71.57	20780
Gujarat	45143074	22.12	4592854	27.33	284092	56.30	45587
Haryana	18655925	27.02	1222916	60.11	27185	73.16	1170662
Karnataka	44321279	15.32	6463127	23.48	1009164	17.41	15326
Kerala	17883449	7.28	7863842	15.84	6057427	7.75	2762
Madhya Pradesh	55004675	23.34	3841449	28.77	170381	37.44	150772
Maharashtra	77859385	21.59	10270485	34.62	1058313	19.57	215337
Orissa	34726129	15.86	761985	31.88	897861	34.76	17492
Punjab	8997942	28.74	382045	59.58	292800	30.03	14592387
Rajasthan	50151452	27.93	4788227	35.82	72660	51.40	818420
Tamil Nadu	54985079	11.00	3470647	13.69	3785060	19.04	9545
Uttar Pradesh	133979263	24.52	30740158	31.34	212578	19.37	678059
All India	827578868	20.00*	138188240	29.30*	24080016	22.10*	19215730

Table 2.20 (continued)

State/Country	Sikhs	Buddhists		Jains		Others	
	Percentage increase 1991-2001	Population	Percentage increase 1991-2001	Population	Percentage increase 1991-2001	Population	Percentage increase 1991-2001
West Bengal	19.85	243364	19.54	55223	60.74	895796	98
Andhra Pradesh	41.47	32037	44.61	41846	57.52	4768	85.95
Assam	36.54	51029	-20.27	23957	16.04	22999	-83.36
Bihar	66.85	18818	807.76	16085	41.94	52905	1124.08
Gujarat	37.95	17829	53.49	525305	6.91	28698	101.91
Haryana	22.34	7140	246.93	57167	61.96	1255	704.48
Karnataka	51.72	393300	438.67	412659	26.53	115460	1725.45
Kerala	24.19	808.96	4528	24.36	22.56	-131.11	-
Madhya Pradesh	36.43	209322	24.58	545446	21.99	409285	807.76
Maharashtra	33.59	5838710	15.82	1301843	34.78	236841	137.39
Orissa	1.13	9863	7.75	9154	45.25	361981	-9
Punjab	14.29	41487	66.41	39276	89.16	8594	873.27
Rajasthan	26.07	10335	131.36	650493	15.58	5253	341.05
Tamil Nadu	75.16	5393	153.43	83359	24.60	7252	176.79
Uttar Pradesh	35.87	302031	44.80	207111	22.99	9281	28.95
All India	16.90*	7955207	23.20*	4225053	26.00	6639626	111.30*

Source: Office of the Registrar General of India, Ministry of Home Affairs

* Excludes Jammu & Kashmir and Assam.

Notes: 1. for 1991, figures for Uttar Pradesh, Bihar, and Madhya Pradesh have been recast as per the jurisdiction in 2001 census.

2. Population figures for 1991 are as per 'Religion' -Part IV-B (ii), Census of India 1991.

Table 2.21 Literacy Rate in West Bengal vis-à-vis Other Major States of India, 1991 & 2001

State/Country	Literacy rate* (Per cent)							
	Rural		Urban		Total		Males	Females
	1991	2001	1991	2001	1991	2001	2001	2001
West Bengal	50.5	63.4 (5)	75.3	81.3	57.7	68.6 (5)	77.0 (4)	59.6 (6)
Andhra Pradesh	35.7	54.5 (13)	66.4	76.1	44.1	60.5 (13)	70.3 (8)	50.4 (13)
Assam+	-	59.7 (9)	-	85.3	52.9	63.3 (9)	71.3 (7.5)	54.6 (12)
Bihar	33.8	43.9 (15)	67.8	71.9	38.5	47.0 (14)	59.7 (3)	33.1 (3)
Gujarat	53.1	61.3 (7)	76.5	81.8	61.3	69.1 (8)	79.7 (1)	57.8 (1)
Haryana	49.9	63.2 (6)	73.7	79.2	55.9	67.9 (7)	78.5 (7.5)	55.79 (7)
Karnataka	47.7	59.3 (10)	74.2	80.6	56.0	66.6 (2)	76.1 (12)	56.9 (11)
Kerala	88.9	90.0 (1)	92.3	93.2	89.8	90.9 (6)	94.2 (5)	87.7 (8)
Madhya Pradesh	35.9	57.8 (11)	70.8	79.4	44.2	63.7 (11)	76.1 (9)	50.3 (10)
Maharashtra	55.5	70.4 (2)	79.2	85.5	64.9	76.9 (12)	86.0 (10)	67.0 (4)
Orissa	45.5	59.8 (8)	72.0	80.8	49.1	63.1 (1)	75.3 (6)	50.5 (5)
Punjab	52.8	64.7 (4)	64.7	79.1	58.5	69.7 (15)	75.2 (13)	63.4 (14)
Rajasthan	30.4	55.3 (12)	55.3	76.2	38.6	60.4 (4)	75.7 (14)	43.9 (15)
Tamil Nadu	54.6	66.2 (3)	66.2	82.5	54.6	73.5 (10)	82.4 (2)	64.4 (2)
Uttar Pradesh	36.7	52.5 (14)	52.5	69.8	41.6	56.3 (3)	68.8 (11)	42.2 (3)
All India	44.5	58.7	73.0	79.9	52.1	64.8	75.2	53.7

* Literacy rate relates to population aged seven years and above
+ Urban-Rural breakup for Assam is non-available
Source: Primary Census Abstract Total Population, Table-A5, 2001, Census of India
Final Population Series-1 2001, Census of India

Table 2.22 Literacy Rate among SC and ST in West Bengal vis-à-vis the Whole of India, 1991 to 2001 (Per cent)

State/ Country	SC			ST			SC			ST		
	1991						2001					
	Person	Male	Female	Person	Male	Female	Person	Male	Female	Person	Male	Female
West Bengal	42.2	54.6	28.9	27.8	40.1	15.0	59.0	70.5	46.9	43.4	57.4	29.2
All India	37.4	49.9	23.8	29.6	40.7	18.2	54.7	66.6	41.9	47.1	59.2	34.8
Difference	4.8	4.7	5.1	-1.8	-0.6	-3.2	4.3	3.9	5.0	-3.7	-1.8	-5.6

Source: Census of India 2001

Table 2.23 Literacy Rate among Scheduled Castes (SC) and Scheduled Tribes (ST) by Sex in Rural West Bengal vis-à-vis the Whole of Rural India , 2001 (Per cent)

State/ Country	SC			ST		
	Male	Female	Persons	Male	Female	Persons
West Bengal	69.10	44.46	57.09	56.60	27.88	42.35
All India	63.66	37.84	51.16	57.39	32.44	45.02

Source: As in Table 2.22.

Table 2.24 Literacy Rate in West Bengal vis-à-vis Other Major States of India, 2004-05 (Per cent)

State/Country	Rural males	Rank	Rural females	Rank	Urban males	Rank	Urban females	Rank
West Bengal	67.9	6	53.9	6	84.5	5	76.1	3
Andra Pradesh	55.8	13	39.1	11	76.7	12	62.5	12
Assam	75.1	2	63.5	2	85.6	2	78.8	2
Bihar	52.7	14	32.6	13	75.6	13	60.2	13
Gujarat	69.3	4	46.9	8	84.7	4	73.6	5
Haryana	68.1	5	47.3	7	79.6	9	66.9	9
Karnataka	62.2	9	46.7	9	82	7	69.4	8
Kerala	8.5	15	80.6	1	87.4	1	83.9	1
Madhya Pradesh	59.1	10	36	12	78.8	10	65.1	11
Maharashtra	71.8	3	55.1	4	84.3	6	69.8	7
Orissa	62.5	8	45	10	77.3	11	66.4	10
Punjab	67.5	7	58.8	3	80.6	8	73.1	6
Rajasthan	58.8	11	31.3	14	72.2	14	54.9	15
Tamil Nadu	82.4	1	54.5	5	85.6	3	75.6	4
Uttar Pradesh	58	12	36	12	71	15	59.4	14
All India	63.6	-	45.0	-	80.5	-	69.3	-

Source: National Sample Survey (NSS) 61st Round.

Table 2.25 Per 1000 Distribution of Persons 15 Years and Above by Level of General Education in West Bengal vis-à-vis Other Major States of India, 2004-05

State/Country	Not literate	Literate and upto primary	Middle	Secondary	Higher secondary	Diploma/ certificate	Graduate and above	All
West Bengal	325	321	162	82	49	3	58	1000
Bihar	516	198	118	92	40	2	33	1000
Orissa	412	252	177	75	35	5	43	1000
Uttar Pradesh	478	178	144	82	61	4	52	1000
Rajasthan	524	192	125	62	47	5	44	1000
Madhya Pradesh	456	252	115	61	55	8	54	1000
Andhra Pradesh	491	193	109	99	45	13	48	1000
Karnataka	382	200	171	124	58	11	55	1000
Kerala	94	268	305	154	63	58	58	1000
Tamil Nadu	293	278	160	117	68	18	66	1000
Gujarat	318	229	189	124	63	16	61	1000
Haryana	351	218	117	150	78	15	71	1000
Maharasthra	271	199	226	132	69	29	73	1000
Punjab	315	213	126	175	87	19	65	1000
All India	382	228	160	102	58	12	57	1000

Source: NSS 61st Round.

Table 2.26 Parentage Distribution of Rural Males (15 Years & above) by General Education Status in West Bengal vis-à-vis the Whole of India, 2004-05

State/Country	Not literate	Literate & up to primary	Middle	Secondary & Above	Higher Secondary	Diploma/ Certificate	Graduate & Above
West Bengal	29.2	38.5	16.8	7.4	4.2	0.2	3.6
All India	32	27.7	19.1	10.7	5.5	1	3.8

Source: As in Table 2.25

Table 2.27 Percentage Distribution of Rural Females (15 Years & above) by General Education Status in West Bengal vis-à-vis the Whole of India, 2004-05

State/Country	Not literate	Literate & up to primary	Middle	Secondary & Above	Higher secondary	Diploma/ certificate	Graduate & above
West Bengal	49.7	30.8	12.1	4.6	1.8	0.0	0.9
All India	58.5	19.9	11.3	5.7	2.7	0.5	1.3

Source: As in Table 2.25.

2.2.2 Economic Livelihoods

Database on different aspects of economic livelihoods is provided by the *Census of India, Economic Census* and National Sample Survey Organisation. Data on the level and structure of the workforce are available from Census of India at the State level and below. The basic limitation of the Census data is that there are frequent changes in the definitions and concepts, which make the data non-comparable over fairly long time (Unni 1991). The 1961 Census used the 1958 Indian Standard Industrial Classification, while 1971, 1981 and 1991 Censuses used National Industrial Classification (NIC), 1971. Since these classifications are not directly comparable (Basant and Kumar 1990), 1861 data are not comparable with 1971, 1981 and 1991 data. However, 1971, 1981 and 1991 data are comparable within themselves (Krishnaraj and Deshmukh 1990).

One of the important sources of data on employment and unemployment in India is the quinquennial survey conducted by the National Sample Survey Organisation (NSSO) since 1972-73. The seventh and latest such survey was conducted by the NSSO in 61st round during the period from July 2004 to June 2005. This report presents the key results on different aspects of employment and unemployment. As in the previous quinquennial survey, employment and unemployment were measured with three different approaches, viz. usual status with the reference period of one year, current weekly status with one week reference period and current daily status based on the daily activities pursued during each day of the reference week.

The Economic Censuses are carried out from time to time under the aegis of the Central Statistical Organisation (CSO), Government of India for providing a comprehensive frame of all "Establishments" engaged in various economic activities both in the organized and unorganized sectors of the economy. The First Economic Census (EC) conducted in 1977 covered only the establishments in non-agricultural activities. The Fourth (EC-1988) and Fifth (EC-2005) Economic Censuses were conducted covering all agricultural and non-agricultural establishments except those engaged in crop production and plantation.

Workforce: As per Census of India 2001, out of the total workers (29.48 million) in West Bengal 23 million accounting for 78.1 per cent were main workers and 6.5 million (21.9 per cent) were marginal workers. In absolute terms, the number of main workers increased from 20.6 million in 1991 to 23.0 million in 2001. However, the sharp decline in the proportion of main workers was due to increase in the proportion of marginal workers which might be due to improved netting of marginal workers in 2001. The decline is discernible in case of both male and female main workers. The State registered considerable increase in number of marginal workers from 1.3 million in 1991 to 6.5 million in 2001. Overall, the proportion of marginal workers among persons, males as well as females increased from 6.1 per cent, 1.4 per cent and 29.2 per cent in 1991 to 21.9 per cent, 12.9 per cent and 50.3 per cent in 2001 respectively. This may be attributed to a better coverage of paid or unpaid workers in farm and family enterprises in 2001 Census. In 2001, 8.3 per cent workers were marginal workers in West Bengal (Table 2.28 & Table 2.29).

Among the 18.4 million scheduled castes in 2001, nearly 7.1 million were workers. Among the 4.4 million tribes, 2.1 million persons were workers. In case of the scheduled castes, though number of main workers increased during 1991-2001, their proportion declined from 31.1 per cent in 1991 to 28.7 per cent in 2001. Among the scheduled castes males also, the percentage of main workers declined from 51.3 per cent in 1991 to 46.1 per cent in 2001. However, among females the proportion increased from 9.4 per cent to 10.3 per cent during 1999-2000. Contrary to the trend in total and scheduled castes population, main workers among the scheduled tribes registered decline in terms of both absolute number and percentage. The percentage of main

workers among the scheduled tribes declined from 43.1 per cent in 1991 to 32.0 per cent in 2001. Similarly, decline was noted among the males from 52.6 per cent to 42.1 per cent and among females from 33.3 per cent to 21.8 per cent during 1991 to 2001. There was corresponding increase in the percentage of the scheduled tribes' marginal workers from 4.6 per cent in 1991 to 16.7 per cent in 2001. The increase was very sharp among the scheduled tribes' female marginal workers, which increased from 7.7 per cent to 21.9 per cent while among males it increased from 1.5 per cent to 11.6 per cent during 1991 to 2001.

Work participation rate: Work participation rate defined as the percentage of total workers (main plus marginal) to total population was 36.8 per cent in West Bengal in 2001 against 32.2 per cent in 1991. The State thus recorded increase in the number as well as percentage of workers in 2001. Work participation rate in India as a whole was 39.10 per cent in 2001, the highest work participation rate being recorded by Andhra Pradesh (45.79 per cent) followed by Tamil Nadu (44.67 per cent). Rural work participation rate was lower than urban. Female work participation rate was lower than male - in most cases just to the tune of 50 per cent of the male work participation rate (Table 2.30).

The work participation rates among scheduled castes and scheduled tribes were higher than those for the total population. In case of scheduled castes WPR increased from 33.3 per cent in 1991 to 38.8 per cent in 2001. In the case of scheduled tribes, it increased from 47.7 per cent in 1991 to 48.8 per cent in 2001. The overall male work participation rate in West Bengal was 54.0 per cent. The corresponding percentages for the scheduled castes and scheduled tribes were 54.4 and 53.8 respectively. In West Bengal, 7.1 million females (18.3 per cent) were recorded as workers in 2001. The corresponding percentages of female workers in case of scheduled castes and scheduled tribes were 22.3 per cent and 43.7 per cent respectively. The female work participation rate increased from 11.3 per cent in 1991 to 18.3 per cent in 2001. The difference in male-female work participation rates marginally narrowed down from 40 percentage point in 1991 to 36.7 percentage point in 2001 Census.

As per National Sample Survey conducted during 2004-05, percentage of persons usually employed in the principal as well as subsidiary status taken together in rural West Bengal was 37.9, which was also lower than the all India figure of 43.9, while in urban West Bengal it was 38.4, which was higher than the all India figure of 36.5, and work participation rate for female in the rural area was higher than the urban counterpart. West Bengal in respect of rural work participation rate on usual status basis ranked twelfth (12^{th}) among the major States of India. Rural West Bengal ranked thirteenth (13^{th}) in respect of work participation rate on current weekly status, twelfth (12^{th}) on current daily status, while urban West Bengal ranked fourth (4^{th}) on current weekly status and sixth (6^{th}) on current daily status during 2004-05. During this period in rural areas 35.1 per cent was employed on current weekly status while 30.2 per cent on current daily status. The corresponding figures for urban West Bengal were higher than those of rural (Table 2.31 & Table 2.32).

Industrial Classification of Workers: Total main workers are classified into cultivators, agricultural labourers, household industrial workers and other workers, the relevant data being shown for 2001 in Table 2.33. The number of cultivators in the State decreased by 10 percentage points during 1991-2001 and their proportion to total workers also declined from 29.2 per cent in 1991 to 19.2 per cent in 2001. The decline in proportion as well as number was discerned in total and male cultivators. Proportion of male cultivators (20.8 per cent) was higher compared to that of female cultivators (14.1per cent). In rural West Bengal 27.92 per cent of main workers were cultivators, 27.60 per cent agricultural labourers, 8.74 per cent household industrial workers and 37.74 per cent other workers. The percentage of other workers in rural areas was highest in Kerela (71.43 per cent) followed by Punjab (43.56 per cent) and Assam (43.93 per cent). The proportion of workers engaged in household industry (HHI), which was 4.2 per cent in 1991, rose to 7.4 per cent in 2001, registering an increase of 3.2 percentage point. The State holds second rank after Manipur in percentage of HHI workers among States and union territories in 2001. The percentage share of the State to male agricultural labourers of the country in 2001 was high relative to that of population (Table 2.33 & 2.34).

The proportion of cultivators among scheduled castes workers was 18.6 per cent and among scheduled tribes it was 19.5 per cent in 2001. The proportion of workers in the category of agricultural labourers remained same at 25.0 per cent in both 1991 and 2001. However, in absolute terms the number of agricultural labourers increased from 5.5 million to 7.4 million. Among the scheduled castes workers, 38.0 per cent were agricultural labourers and among the scheduled tribes workers the agricultural labourers accounted for more than 50 per cent to their total workers (53.2 per cent).

During 2004-05, 62.7 per cent of rural workers of West Bengal were engaged in agriculture and allied activities as against 72.7 per cent in rural India as a whole. 13.5 per cent of the workers were engaged in the State in manufacturing against 14.0 per cent in rural Tamil Nadu and 13.7 per cent in rural Kerela while West Bengal ranked third (3rd) among the major States of India. In urban West Bengal 26.7 per cent were engaged in manufacturing against 37.2 per cent in urban Gujarat and 30.9 per cent in urban Tamil Nadu while urban West Bengal ranked third (3rd) among the major States of India. During the same year, percentage of workers engaged manufacturing in India was 8.1 per cent in rural areas. In urban areas also percentage share of manufacturing workers (24.6 per cent) in India was lower than that of urban West Bengal. Percentage of usually working persons in the principal status and subsidiary status taken together engaged in agriculture and manufacturing registered decline while that in construction, trade, hotel and restaurant and transport etc. recorded significant increase in West Bengal during National Sample Survey (NSS) 50th Round (1993-94) to NSS 60th Round (2004-05). During 1983 to 2004-05 proportion of employment in agriculture in both West Bengal and the whole of India showed a declining trend but while in West Bengal this proportion in manufacturing exhibited a declining trend that in the whole of India was increasing. Agriculture, however, even in 2004-05 remained the principal occupation followed by construction, trade and hotels, transport, storage and communications in both West Bengal and India as whole (Table 2.35 &Table 2.36).

During 2004-05 in the West Bengal 55.2 per cent workers were self-employed, 7.5 per cent regularly employed and 37.3 per cent casual labourers. In urban West Bengal percentage of regular employees was higher. In 2004-05, proportion of self-employed was highest for both sexes in rural areas followed by that of casual laobourers on principal status or principal and subsidiary status basis (Table 2.37).

During 2003-04, West Bengal had 380.4 thousand central government employees and ranked fourth (4th) among the major States in India while in quasi-government central employment the State ranked first among the major States of the country (Table 2.38). During 2007-08 Kolkata port and Haldia port had respectively total of 5925 and 3694 employees including officers, which accounted for respectively 9.69 per cent and 6.04 per cent of total employees including officers of all major ports of India (Table 2.39).

In the total enterprises excluding crop production above 90 per cent of workers was non-agricultural in West Bengal, which was higher than that in India as a whole. Proportion of hired workers as well as adult female workers in West Bengal was lower than that of the whole of India (Table 2.40 &Table 2.41).

Growth of work force: Employment growth in West Bengal during 1999-2000 to 2004-05 was 3 per cent pre annum, which was higher than 2.8 per cent for India as a whole. During 1993-94 to 2004-05, West Bengal recorded employment growth of 1.8 per cent as against 3.1 per cent in Haryana and 2.7 per cent in Punjab. In respect of employment growth rural West Bengal with annual employment growth of 2.9 per cent ranked third (3rd) following rural Harayana and rural Uttar Pradesh during 1999-2000 to 2004-05. Employment growth in 2004-05 over 1993-94 in the unorganized sector in both West Bengal and the whole of India was equal (2.2 per cent) while organized sector share in total employment was higher in the State during both 1993-94 and 2004-05 than that of the whole country. Average annual growth rates in enterprises and employment in West Bengal during 1998 to 2005 were lower than those of the whole of India (Table 2.42 to Table 2.45).

Labour productivity and wage: Labour productivity in West Bengal during 2004-05 in agriculture was the third highest among the major States of India while in respect of labour productivity in manufacturing West Bengal ranked tenth. During 1989-90 to 2000-01 real gross value added per formal worker, per informal worker without DME and per informal worker with DME in West Bengal was lower than that in India as a whole (Table 2.46 to Table 2.50).

Average wage / salary earnings per day received by regular waged / salaried employees (activity status code: 31, 71, 72) of age 15-59 years in West Bengal was lower in 2004-05 in both rural and urban areas for both male and female compared to those of India as a whole, the difference being sharper for female (Table 2.51).

Table 2.28 Number of Main Workers and Marginal Workers in West Bengal vis-à-vis Other Major States of India, 2001

State/Country	Main workers			Marginal workers			Grand total
	Total	Rural	Urban	Total	Rural	Urban	
West Bengal	23023583	16106580	6917003	6458107	5783062	675045	29481690
Andhra Pradesh	29040873	22977594	6063279	5852986	5195294	657692	34893859
Assam	7114097	6050639	1063458	2424494	2346130	78364	9538591
Bihar	21052875	1911829	1940046	6921731	6639740	281991	27974606
Gujarat	17025074	11114041	5911033	4230447	3879271	351176	21255521
Haryana	6241324	4519240	1722084	2136142	1932347	203795	8377466
Karnataka	19364759	13462535	5902224	4170032	3665268	504764	23534791
Kerala	8236973	5998150	2238823	2046914	1672960	373954	10283887
Madhya Pradesh	19102572	14776619	4325953	6690947	6123607	567340	25793519
Maharashtra	34748053	21853804	12894249	6425298	5407627	1017671	41173351
Orissa	9589269	8071999	1517270	4687219	4514970	172249	14276488
Punjab	7835732	5248225	2587507	1291742	1112126	179616	9127474
Rajasthan	17436888	13962042	3474846	6329767	5894381	435386	23766655
Tamil Nadu	23757783	14290543	9467240	4120449	3269225	851274	27878232
Uttar Pradesh	39337649	31242754	8094895	14646175	13433198	1212977	53983824
All India	313004983	229186552	83818431	89229741	80769518	8460223	402234724

Source: Primary Census Abstract Total Population, Table-A5, 2001, Census of India

Table 2.29 Percentage of Marginal Workers in West Bengal vis-à-vis Other Major States of India, 2001

State/Country	Percentage of marginal workers								
	Persons			Males			Females		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
West Bengal	8.03	10.02	2.92	6.90	8.30	3.47	9.22	11.83	2.31
Punjab	5.36	7.03	2.09	4.13	5.10	2.28	6.76	9.21	1.87
Haryana	10.14	12.93	3.32	6.68	8.18	3.68	13.94	18.40	2.89
Rajasthan	11.25	13.68	3.27	6.26	7.12	3.49	16.66	20.72	3.02
Uttar Pradesh	8.86	10.29	3.45	7.68	8.51	4.56	10.18	12.26	2.18
Bihar	8.48	9.09	3.23	7.01	7.37	4.03	10.07	10.95	2.31
Assam	9.29	10.30	2.36	7.58	8.31	2.77	11.12	12.42	1.89
Orissa	12.80	14.51	3.10	9.68	10.83	3.44	16.02	18.24	2.73
Madhya Pradesh	11.08	13.81	3.52	6.76	7.85	3.77	15.79	20.24	3.24
Gujarat	8.43	12.44	1.80	3.77	5.19	1.51	13.50	20.11	2.14
Maharashtra	6.60	9.61	2.51	4.85	6.40	2.83	8.49	12.95	2.14
Andhra Pradesh	7.70	9.43	3.11	5.74	6.54	3.62	9.72	12.37	2.59
Karnataka	7.90	10.54	2.75	4.95	5.99	2.95	10.96	15.21	2.54
Goa	7.21	10.29	4.09	6.97	9.28	4.69	7.46	11.32	3.45
Kerela	6.45	7.12	4.54	8.48	9.26	6.25	4.54	5.10	2.93
Tamil Nadu	6.64	9.41	3.10	5.78	7.59	3.47	7.52	11.25	2.73
All India	8.71	10.94	2.93	6.59	7.85	3.38	10.99	14.21	2.43

Source: *Primary Census Abstract, Total Population Table -5, Census of India, 2001*

Table 2.30 Work Participation Rate in West Bengal vis-à-vis Other Major States of India, 2001 (Per cent)

State/Country	Rural	Rank	Urban	Rank	Males	Rank	Females	Rank	Total	Rank
West Bengal	37.90	11	33.85	3	53.99	5	18.33	13	36.77	11
Andhra Pradesh	50.85	1	32.30	7	56.23	3	35.11	1	45.79	1
Assam	36.17	12	33.20	5	49.87	13	20.71	10	35.78	12
Bihar	11.51	15	25.59	14	47.37	14	18.84	12	33.70	13
Gujarat	47.24	5	33.08	6	54.87	4	27.91	7	41.95	7
Haryana	42.93	8	31.49	9	50.3	10	27.22	8	39.62	8
Karnataka	49.09	3	35.67	2	56.64	2	31.98	4	44.53	3
Kerala	32.54	14	31.61	8	50.20	11	15.38	15	32.30	15
Madhya Pradesh	47.09	6	30.65	10	51.5	9	33.21	3	42.74	4
Maharashtra	48.88	4	33.85	3	53.28	7	30.81	6	42.50	5
Orissa	40.23	9	30.62	11	52.53	8	24.66	9	38.79	9
Punjab	39.51	10	33.49	4	53.6	6	19.05	11	37.47	10
Rajasthan	45.87	7	29.59	12	49.95	12	33.49	2	42.06	6
Tamil Nadu	50.28	2	37.54	1	57.64	1	31.54	5	44.67	2
Uttar Pradesh	33.93	13	26.95	13	46.80	15	16.54	14	32.48	14
All India	41.74	-	32.25	-	51.67	-	25.62	-	39.1	-

Source: *Census of India, Primary Census Abstract 2001*

Table 2.31 Per 1000 Number of Persons Usually Employed in the Principal as well as Subsidiary Status in West Bengal vis-à-vis Other Major States of India, 2004-05

State/Country	Rural			Urban		
	Male	Female	Persons	Male	Female	Persons
West Bengal	574 (6)	178 (13)	379 (12)	595 (1)	155 (7)	384 (4)
Punjab	549 (10)	322 (8)	440 (8)	572 (5)	133 (11)	365 (7)
Haryana	522 (12)	317 (9)	424 (9)	511 (11)	132 (12)	339 (10)
Rajasthan	510 (13)	407 (6)	459 (6)	508 (12)	182 (5)	349 (8)
Uttar Pradesh	496 (14)	240 (11)	371 (13)	524 (10)	117 (13)	331 (13)
Bihar	477 (15)	138 (14)	316 (14)	452 (14)	65 (15)	272 (14)
Assam	551 (9)	209 (12)	391 (11)	551 (7)	109 (14)	336 (11)
Orissa	586 (5)	322 (8)	452 (7)	504 (13)	148 (10)	334 (12)
Madhya Pradesh	544 (11)	366 (7)	459 (6)	525 (9)	154 (8)	347 (9)
Gujarat	593 (4)	427 (5)	513 (5)	578 (2)	151 (9)	377 (5)
Maharashtra	566 (7)	474 (2)	521 (4)	560 (6)	190 (4)	384 (4)
Andhra Pradesh	605 (2)	483 (1)	544 (1)	560 (6)	224 (2)	392 (2)
Karnataka	623 (1)	459 (4)	542 (2)	576 (4)	181 (6)	386 (3)
Kerela	559 (8)	256 (10)	400 (10)	547 (8)	200 (3)	371 (6)
Tamil Nadu	597 (3)	461 (3)	528 (3)	593 (2)	241 (1)	418 (1)
All India	546	327	439	549	166	365

Source: Employment and Unemployment Situation in India, 2004-05, NSS 61st Round
Note: Figures within parentheses indicate respective ranks.

Table 2.32 Per 1000 Number of Persons (Person-days) Employed According to Current Weekly and Current Daily Status in West Bengal vis-à-vis Other Major States of India, 2004-05

State/ Country	Rural persons		Urban persons	
	Current weekly	Current daily	Current weekly	Current daily
West Bengal	351 (13)	302 (12)	375 (4)	345 (6)
Punjab	432 (6)	346 (8)	360 (6)	345 (6)
Haryana	396 (9)	345 (9)	331 (9)	312 (8)
Rajasthan	415 (7)	381 (6)	332 (8)	312 (8)
Uttar Pradesh	339 (14)	301 (13)	319 (12)	302 (9)
Bihar	300 (15)	268 (15)	264 (14)	252 (12)
Assam	357 (11)	325 (11)	326 (11)	314 (7)
Orissa	383 (10)	340 (10)	309 (13)	295 (10)
Madhya Pradesh	407 (8)	374 (7)	329 (10)	314 (7)
Gujarat	489 (4)	425 (5)	368 (5)	353 (4)
Maharashtra	473 (5)	428 (3)	368 (5)	350 (5)
Andhra Pradesh	500 (3)	439 (2)	379 (2)	358 (3)
Karnataka	508 (1)	446 (1)	378 (3)	359 (2)
Kerela	354 (12)	290 (14)	335 (7)	292 (11)
Tamil Nadu	506 (2)	426 (4)	408 (1)	384 (1)
All India	402	355	353	334

Source: NSS Report No. 515: Employment and Unemployment Situation in India, 2004-05
Note: Figures within parentheses indicate respective ranks.

Table 2.33 Classification of Main Workers in West Bengal vis-à-vis Other Major States of India, 2001

State/Country	Main workers						
	Total			Cultivators		Agricultural labourers	
	Persons	Males	Females	Males	Females	Males	Females
West Bengal	23023583	19494971	3528612	4182888	373138	3744905	778029
Andhra Pradesh	29040873	19455492	9585381	5040681	2357007	5141014	4682250
Assam	7114097	5849032	1265065	2238423	441669	540769	95582
Bihar	21052875	17511018	3541857	5949328	820745	6881169	2138982
Gujarat	17025074	13480566	3544508	3730923	980171	2004136	1044577
Haryana	6241324	4933004	1308320	1647163	577479	462454	145417
Karnataka	19364759	13896845	5467914	4668070	1518862	1961368	1822484
Kerala	8236973	6460693	1776280	515371	70989	714772	306787
Madhya Pradesh	19102572	14056279	5046293	6389368	2522473	2393898	1487007
Maharashtra	34748053	24416295	10331758	6180984	4000724	3941652	3699567
Orissa	9589269	8004740	1584529	3004654	430516	1570444	527714
Punjab	7835732	6426028	1409704	1713256	180768	892869	164753
Rajasthan	17436888	12841318	4595570	6210884	3371145	654162	354255
Tamil Nadu	23757783	16303310	7454473	3107543	1631276	3273642	2789144
Uttar Pradesh	39337649	34338260	4999389	16326802	2153063	4816377	1140170
All India	313004983	240147813	72857170	78258978	25367090	41119069	22378045

Table 2.33 (continued)

State/Country	Main workers				Marginal workers		
	Household industry		Other workers				
	Males	Females	Males	Females	Persons	Males	Females
West Bengal	778046	658332	10789132	1719113	6458107	2893073	3565034
Andhra Pradesh	637209	715496	8636588	1830628	5852986	2206700	3646286
Assam	106681	74439	2963159	653375	2424494	1021928	1402566
Bihar	550521	198827	4130000	383303	6921731	2971985	3949746
Gujarat	223544	82595	7521963	1437165	4230447	996720	3233727
Haryana	115120	37901	2708267	547523	2136142	782522	1353620
Karnataka	368699	426513	6898708	1700055	4170032	1338510	2831522
Kerala	161019	114635	5069531	1283869	2046914	1304952	741962
Madhya Pradesh	446037	284979	4826976	751834	6690947	2138089	4552858
Maharashtra	493886	316200	13799773	2315267	6425298	2435800	3989498
Orissa	258151	146057	3171491	480242	4687219	1797266	2889953
Punjab	162519	82322	3657384	981861	1291742	534185	757557
Rajasthan	373083	128229	5603189	741941	6329767	1854484	4475283
Tamil Nadu	594025	667034	9328100	2367019	4120499	1797087	2323412
Uttar Pradesh	1611880	480076	11583201	1226080	14646175	6643298	8002877
All India	7509013	4697071	113260753	20414964	89229741	34866663	54363078

Source: Office of the Registrar General of India, Ministry of Home Affairs

Table 2.34 Percentage Distribution of Main Workers by Broad Industrial Categories and Region in West Bengal vis-à-vis Other Major States of India, 2001

State/Country	Cultivators		Agricultural labourers		HHI workers		Other workers	
	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban
West Bengal	27.92	0.85	27.60	1.13	8.74	5.06	37.74	92.96
Andhra Pradesh	31.78	1.55	41.42	5.04	4.42	5.57	22.38	87.84
Assam	44.05	1.38	10.42	0.52	2.60	2.22	42.93	95.83
Bihar	34.88	5.33	46.21	9.73	3.34	5.72	15.57	79.22
Gujarat	41.55	1.57	26.29	2.16	1.67	2.04	30.49	94.23
Haryana	48.08	3.00	12.81	1.88	2.07	3.45	37.04	91.87
Karnataka	44.57	3.18	26.37	3.96	3.59	5.28	25.47	87.58
Kerala	9.37	1.09	15.84	3.19	3.36	3.32	71.43	92.40
Madhya Pradesh	58.51	6.16	25.21	3.61	3.20	5.95	13.08	84.28
Maharashtra	45.59	1.69	33.32	2.78	2.02	2.87	19.07	92.66
Orissa	42.02	2.82	25.49	2.70	4.46	2.91	28.03	91.57
Punjab	34.88	2.45	18.74	2.87	2.82	3.73	43.56	90.95
Rajasthan	67.38	5.03	6.91	1.24	2.27	5.29	23.44	88.44
Tamil Nadu	30.90	3.41	36.39	9.11	4.82	6.05	27.89	81.43
Uttar Pradesh	57.97	4.62	18.14	3.57	4.57	8.35	19.37	83.46
All India	44.22	2.72	26.41	3.55	3.63	4.63	25.74	89.10

Note: HHI =Household Industry

Source: Primary Census Abstract Total Population, Table-A5, 2001, Census of India

Table 2.35 Per 1000 Distribution of Usually Working Rural Persons in Principal and Subsidiary Status Taken Together by Broad Industry Division (NIC 1998) in West Bengal vis-à-vis the Whole of India, 2004-05

State/ Country	Agriculture, etc.	Mining Etc	Manu-Facturing	Electri-city, etc	Construction, etc	Trade, etc.	Trans-port, etc	Fina-nce,etc	Public administration , etc	All
West Bengal	627	2	135	1	39	95	36	9	55	1000
Punjab	669	1	74	7	88	64	35	8	53	1000
Haryana	641	1	89	5	83	75	40	8	57	1000
Rajasthan	729	12	58	2	96	41	21	2	39	1000
Uttar Pradesh	728	2	89	1	53	62	21	4	41	1000
Bihar	779	1	57	1	25	75	22	2	37	1000
Assam	743	3	31	1	25	90	24	2	81	1000
Orissa	690	8	111	1	55	67	20	4	45	1000
Madhya Pradesh	825	7	50	1	36	40	7	2	32	1000
Gujarat	773	5	78	1	30	47	27	3	37	1000
Maharashtra	800	3	56	1	29	47	23	5	37	1000
Andhra Pradesh	718	12	86	1	33	66	26	4	54	1000
Karnataka	810	4	62	0	21	45	20	2	35	1000
Kerela	420	13	137	2	106	122	70	25	105	1000
Tamil Nadu	654	3	140	1	57	64	28	8	47	1000
All India	727	5	81	2	49	61	25	5	45	1000

Source: NSS Report No. 515: *Employment and Unemployment Situation in India, 2004-05*

Table 2.36 Per 1000 Distribution of Usually Working Urban Persons in the Principal and Subsidiary Status Taken Together by Broad Industry Division (NIC 1998) in West Bengal vis-à-vis Other Major States of India, 2004-05

State/ Country	Agriculture, etc.	Mining etc	Manu-facturing	Electri-city, etc	Construction, etc	Trade, etc.	Trans-port, etc	Fina-nce, etc	Public administration, Etc	All
West Bengal	28	10	276	5	62	232	106	52	229	1000
Punjab	59	0	265	15	66	280	79	41	196	1000
Haryana	112	2	266	9	65	253	69	42	182	1000
Rajasthan	139	7	228	18	99	225	63	50	169	1000
Uttar Pradesh	105	1	284	5	74	266	90	34	143	1000
Bihar	205	2	116	2	70	329	70	49	159	1000
Assam	48	13	98	27	55	276	126	23	334	1000
Orissa	139	10	140	11	105	240	86	54	214	1000
Madhya Pradesh	121	19	201	6	73	254	69	36	220	1000
Gujarat	62	11	372	6	64	234	73	36	142	1000
Maharashtra	68	7	242	6	88	231	91	75	193	1000
Andhra Pradesh	100	14	195	2	89	247	112	49	193	1000
Karnataka	82	3	217	8	97	269	83	66	174	1000
Kerela	157	5	166	4	117	225	103	56	169	1000
Tamil Nadu	83	4	309	5	71	223	79	67	159	1000
All India	88	8	246	7	80	246	86	53	187	1000

Source: NSS Report No. 515*: Employment and Unemployment Situation in India, 2004-05*

Table 2.37 Per 1000 Distribution of Usually Employed by Category of Employment in Principal and Subsidiary Status in West Bengal vis-à-vis Other Major States of India, 2004-05

State/Country	Rural persons			Urban persons		
	Self-employed	Regular employees	Casual labour	Self-employed	Regular employees	Casual labour
West Bengal	552 (9)	75 (7)	373 (7)	462 (7)	372 (8)	166 (6)
Punjab	631 (5)	129 (3)	240 (11)	478 (6)	443 (4)	79 (14)
Haryana	676 (4)	137 (2)	187 (13)	497 (5)	425 (6)	78 (15)
Rajasthan	774 (1)	54 (11)	172 (15)	560 (3)	326 (12)	114 (12)
Uttar Pradesh	764 (2)	54 (11)	182 (14)	599 (1)	290 (13)	111 (13)
Bihar	602 (7)	27 (14)	371 (8)	598 (2)	223 (15)	179 (5)
Assam	710 (3)	91 (5)	199 (12)	423 (10)	451 (2)	126 (11)
Orissa	584 (8)	56 (10)	360 (9)	444 (9)	356 (10)	200 (2)
Madhya Pradesh	605 (6)	52 (12)	343 (10)	498 (4)	348 (11)	154 (9)
Gujarat	536 (10)	71 (9)	393 (5)	417 (12)	449 (3)	135 (10)
Maharashtra	511 (11)	79 (6)	409 (4)	381 (15)	465 (1)	155 (8)
Andhra Pradesh	479 (13)	72 (8)	450 (3)	445 (8)	361 (9)	194 (3)
Karnataka	493 (12)	50 (13)	457 (2)	421 (11)	386 (7)	193 (4)
Kerela	454 (14)	164 (1)	381 (6)	411 (13)	287 (14)	301 (1)
Tamil Nadu	427 (15)	104 (4)	470 (1)	398 (14)	441 (5)	161 (7)
All India	602	71	328	454	395	150

Source: NSS Report No. 515: Employment and Unemployment Situation in India, 2004-05

Table 2.38 Estimated Employment in the Public and Private Sectors of West Bengal vis-à-vis Other Major States of India, 2003-04 ('000 numbers)

State/ Country	Government		Quasi-government		Local bodies	Private sector		Grand total
	Central	State	Central	State		Larger Estts	Smaller estts	
West Bengal	380.4	269.9	409.2	99.4	160.7	645.1	35.6	2000.3
Andhra Pradesh	211.8	462.3	183.2	325.3	255.5	546.7	74.0	2064.7
Assam	76.0	313.5	69.5	53.1	13.0	563.6	8.4	1097.2
Bihar	102.6	276.3	50.7	41.1	24.0	27.3	5.2	527.1
Gujarat	121.3	185.1	107.6	135.6	269.0	652.2	152.2	1622.0
Haryana	27.5	247.9	38.9	66.3	15.0	234.0	21.1	651.0
Karnataka	1071	569.8	164.6	158.6	67.1	677.8	75.5	1820.3
Kerala	77.4	275.4	102.9	131.5	27.6	392.6	197.0	1204.4
Madhya Pradesh	150.4	507.8	156.4	72.5	52.0	147.1	11.7	1098.0
Orissa	76.5	381.1	99.0	89.3	17.4	77.6	8.5	749.4
Uttar Pradesh	366.0	674.6	174.5	352.9	112.1	395.3	49.2	2124.6
Rajasthan	143.0	543.9	68.7	99.0	79.4	195.9	47.1	1176.9
Tamil Nadu	242.0	596.4	177.7	345.7	178.5	613.2	128.1	2281.7
Maharasthra	407.1	488.7	387.4	234.1	654.4	1311.0	81.3	3563.9
Punjab	72.5	290.4	64.8	103.9	32.6	240.6	20.8	825.6
All India	3027.4	7221.9	3302.8	2519.1	2125.6	7233.9	1012.0	26442.7

Source: Government of India, Ministry of Labour and Employment, Directorate General of Employment and Training.

Table 2.39 Strength of Officers and Employees/ Workers in Kolkata-Haldia Port vis-à-vis Other Major Ports of India, 2007 & 2008 (as on 31st March)

Port	Period	(A) Officers			(B) Employees/ workers			
					Non-cargo handling workers			
		Class-I	Class-II	Total (A)	Class III		Class IV	Total
					Ministerial	Others		
Kolkata	2007-08	481	141	622	2862	-	1864	4726
	2006-07	475	141	616	3116	-	2004	5120
Haldia	2007-08	197	110	307	481	-	472	953
	2006-07	192	116	308	484	-	507	991
Paradip	2007-08	78	98	176	143	815	543	1501
	2006-07	79	111	190	158	817	579	1554
Visakhapatnam	2007-08	187	143	330	523	929	1187	2639
	2006-07	189	142	331	528	905	1234	2667
Chennai	2007-08	291	136	427	2048	1562	1494	5104
	2006-07	285	147	432	2178	1525	1570	5273
Tuticorin	2007-08	69	53	122	693	-	382	1075
	2006-07	60	53	113	684	-	423	1107
Cochin	2007-08	144	158	302	683	1196	709	2588
	2006-07	144	182	326	762	1263	771	2796
New Mangalore	2007-08	61	100	161	358	380	191	929
	2006-07	62	100	162	361	392	204	957
Mormugao	2007-08	140^	86	226	1381	-	879	2260
	2006-07	138	87	225	1420	-	925	2345
Mumbai	2007-08	412	31	443	2021	2009	4638	8668
	2006-07	426	33	459	2057	2058	4879	8994
Jahwar Nehru	2007-08	182	47	229	350	120	118	588
	2006-07	177	45	222	352	120	121	593
Kandla	2007-08	88	78	166	426	847	1305	2578
	2006-07	102	75	177	447	804	1353	2604
All ports	2007-08	2330	1181	3511	11969	7858	13782	33609
	2006-07	2329	1232	3561	12547	7884	14570	35001

Table 2.39 (continued)

Port	Period	(B) Employees/ workers					Grand total(A+B)
		Cargo handling workers				Total (B)	
		Other than shore workers		Shore workers#	Total		
		Class III	Class IV				
Kolkata	2007-08	186	56	335	577	5303	5925
	2006-07	-	57	345	402	5522	6138
Haldia	2007-08	1129	1305	-	2434	3387	3694
	2006-07	1148	1346	-	2494	3485	3793
Paradip	2007-08	131	146@	1004	1281	2782	2958
	2006-07	141	152	1029	1322	2876	3066
Visakhapatnam	2007-08	1672	428	-	2100	4739	5069
	2006-07	1655	555	-	2210	4877	5208

Table 2.39 (continued)

Port	Period	(B) Employees/ workers				Total (B)	Grand total(A+B)
		Cargo handling workers					
		Other than shore workers		Shore workers#	Total		
		Class III	Class IV				
Chennai	2007-08	1357	616	684	2657	7761	8188
	2006-07	1283	649	702	2634	7907	8339
Tuticorin	2007-08	*380	*678	-	1058	2133	2255
	2006-07	*430	*755	-	1185	2292	2405
Cochin	2007-08	426	195	-	621	3209	3511
	2006-07	332	196	-	528	3324	3650
New Mangalore	2007-08	267	237	176	680	1609	1770
	2006-07	269	250	194	713	1670	1832
Mormugao	2007-08	338	194	-	532	2792	3018
	2006-07	305	207	-	512	2857	3082
Mumbai	2007-08	3158	3613	2913	9684	18352	18795
	2006-07	3238	3855	3001	10094	19088	19547
Jahwar Nehru	2007-08	946	-	-	946	1534	1763
	2006-07	951	-	-	951	1544	1766
Kandla	2007-08	304	534	637	1475	4053	4219
	2006-07	344	579	663	1586	4190	4367
All ports	2007-08	10294	8002	5749	24045	57654	61165
	2006-07	10096	8601	5934	24631	59632	63193

Note: # including casual workers, * = under cargo handling labour pool. ^ = 13 posts are operated on contract basis. @ Including 102 supernumerary post and 44 female cleaning workers (their service conditions are covered under a scheme)
Source: Major Ports Association of India

Table 2.40 Number of Enterprises and Persons Employed in West Bengal vis-à-vis the Whole of India, 2005 (excluding crop production and plantation)

State/Country	Number of enterprises (lakhs)		Total employment (lakhs)	
	Rural	Combined	Rural	Combined
West Bengal	28.31	42.86	49.21	93.18
All India	258.09	421.24	501.85	989.68
Per cent	*10.97*	*10.17*	*9.81*	*9.42*

Note: Combined = Rural + Urban
Source: Central Staristical Organisation (CSO), *Economic Census 2005, All India Report*.

Table 2.41 Percentage of Hired Workers and Adult Female Workers in the Total Workers in West Bengal vis-à-vis the Whole of India, 2005 (excluding crop production and plantation)

State/Country	Hired workers		Adult female workers	
	Rural	Combined*	Rural	Combined*
West Bengal	32.2	44.0	19.9	15.8
All India	41.6	52.4	24.3	19.3

*Rural + Urban
Source: CSO, *Economic Census 2005, All India Report.*

Table 2.42 Annual Growth of Employment in West Bengal vis-à-vis Other Major States of India, 1993-94 to 2004-05

(Per cent)

State	1993-94 to 1999-2000	1993-94 to 2004-05	1999-2000 to 2004-05	Rank
West Bengal	0.8	1.8	3.0	5
Bihar	2.0	2.1	2.2	10
Orissa	0.8	1.6	2.5	9
Uttar Pradesh	1.1	2.3	3.8	2
Rajasthan	0.8	1.8	3.0	5
Madhya Pradesh	1.1	1.8	2.7	7
Andhra Pradesh	0.2	1.0	1.9	11
Karnataka	0.8	1.8	3.1	4
Kerala	1.1	1.2	1.3	13
Tamil Nadu	0	0.8	1.7	12
Gujarat	2.3	2.4	2.6	8
Haryana	1.2	3.1	5.6	1
Maharasthra	1.0	2.1	3.4	3
Punjab	2.6	2.7	2.8	6
All 14 States	1.0	1.8	2.8	-

Sources: (i) Chadha and Sahu (Table 12, 2002) for 1993-94, (ii) NSS employment surveys (Eus).

Table 2.43 Annual Employment Growth in Urban and Rural West Bengal vis-à-vis Other Major States of India, 1993-94 to 2004-05

(Per cent)

State	Urban			Rural		
	1993-94 over 1983-84	1999-2000 over 1993-94	2004-05 over 1999-2000	1993-94 over 1983-84	1999-2000 over 1993-94	2004-05 over 1999-2000
West Bengal	2.6	1.6	3.2	2.1	0.4	2.9
Bihar	0.1	2.4	3.9	1.3	1.9	2.0
Orissa	3.7	1.5	3.4	1.7	0.7	2.4
Uttar Pradesh	3.0	2.8	4.6	1.5	0.7	3.7
Rajasthan	3.0	2.0	4.3	2.2	0.5	2.7
Madhya Pradesh	3.4	3.1	4.5	1.9	0.7	2.2
Andhra Pradesh	3.9	0.1	4.3	2.3	0.2	1.3
Karnataka	2.9	2.5	3.2	2.1	0.2	3
Kerala	4.3	0.7	0.3	0.2	1.3	1.6
Tamil Nadu	3.0	3.0	4.9	1.1	-1.4	-0.2
Gujarat	3.4	2.8	4.4	1.6	2.1	1.8
Haryana	4.2	2.6	5.0	2.5	0.7	5.8
Maharasthra	3.7	2.4	4.9	1.6	0.4	2.6
Punjab	2.7	3.9	3.9	0.1	2.0	2.3
All 14 States	3.3*	2.3	3.8	1.7*	0.7	2.4

Sources: (i) Chadha and Sahu (Table 12, 2002), (ii) National Sample Survey (NSS) employment surveys (Eus).

Table 2.44 Employment Growth and Employment Share in West Bengal vis-à-vis Other Major States of India, 1993-94 to 2004-05 (Per cent)

State/Country	Employment growth on 2004-05 over 1993-94		Organized sector share in total employment	
	Unorganized sector growth (per cent)	Private sector ('000)*	2005	1994
West Bengal	2.2	-34.1	6.3 (7)	8.8 (6)
Bihar	2.4	-78.1	4.0 (11)	5.5 (11)
Orissa	1.8	-2.3	4.5 (9)	5.6 (9)
Uttar Pradesh	2.7	-47.5	3.4 (13)	4.9 (14)
Rajasthan	2.1	-8.6	4.4 (10)	5.6 (10)
Madhya Pradesh	2.2	-52.9	3.7 (12)	5.3 (12)
Andhra Pradesh	1.1	207.9	5.1 (8)	5.2 (13)
Karnataka	2.0	305.1	6.9 (5)	6.9 (8)
Kerala	1.5	-22	8.8 (1)	10.5 (2)
Tamil Nadu	1.0	9.8	7.4 (2)	8.5 (7)
Gujarat	2.9	132.3	6.8 (6)	8.9 (5)
Haryana	3.8	32.1	7.1 (4)	9.7 (4)
Maharasthra	2.6	-34.0	7.4 (2)	9.9 (3)
Punjab	3.3	13.9	7.2 (3)	10.7 (1)
All India	2.2	438.8	5.5	0.7

Note: * Absolute change in number of employees.
Source: NSSO, *Report No 515, Employment and Unemployment Situation in India*, 61St Round, July 2004-June 2005

Table 2.45 Average Annual Growth in Enterprises and Employment in West Bengal vis-à-vis the Whole of India in 2005 as Compared to 1998 (excluding crop production and plantation) (Per cent)

State/Country	Growth in enterprises		Growth in employment	
	Rural	Combined*	Rural	Combined*
West Bengal	4.77	4.10	1.70	0.87
All India	5.53	4.80	3.33	2.49

Note: *Rural + Urban
Source: CSO, *Economic Census 2005, All India Report.*

Table 2.46 Labour Productivity in Agriculture and Manufacturing of West Bengal vis-à-vis Other Major States of India, 1993-94 to 2004-05 (Rs per worker)

States	Agriculture			Manufacturing		
	1993-94	1999-00	2004-05	1993-94	1999-00	2004-05
West Bengal	12962	16390	16439 (3)	14311	22085	24593 (10)
Bihar	5936	6166	7937 (12)	25177	24419	21833 (11)
Orissa	6870	6570	7509 (14)	11063	14202	12699 (14)
Uttar Pradesh	8437	10373	9675 (9)	21248	18033	16393 (13)
Rajasthan	6748	8979	9840 (8)	23829	40147	28889 (7)
Madhya Pradesh	7620	8116	7589 (13)	36344	39020	31692 (6)
Andhra Pradesh	7684	8683	10675 (7)	19215	29745	26919 (8)
Karnataka	9622	12111	9021 (10)	27391	34446	45704 (4)
Kerala	13858	18051	15598 (4)	16570	21018	18532 (12)
Tamil Nadu	8943	10870	13933 (5)	25744	29714	25552 (9)
Gujarat	9133	9025	12292 (6)	37975	66077	56802 (3)
Haryana	22427	25298	23186 (2)	60924	69269	59572 (1)
Maharasthra	9366	10868	8704 (11)	57020	72803	58433 (2)
Punjab	28817	30146	32866 (1)	47089	51165	39367 (5)
All 14 States	9085	10398	10752	28273	35116	32164

Sources: NSDP from National Accounts Statistics (NAS) and Employment from NSS.

Table 2.47 Labour Productivity in Transport and Communications, and Financial and Business Services of West Bengal vis-à-vis Other Major States of India, 1993-94 to 2004-05 (Rs per worker)

States	Transport and communication			Financial and business services		
	1993-94	1999-00	2004-05	1993-94	1999-00	2004-05
West Bengal	26668	29208	45237	174297	323040	373785
Bihar	24037	10247	27184	134927	154563	141049
Orissa	34861	50024	65545	355060	257256	166289
Uttar Pradesh	25204	28652	41718	181407	205846	173369
Rajasthan	24345	37320	55287	173567	202021	185702
Madhya Pradesh	36847	48261	76019	234735	293653	202015
Andhra Pradesh	29199	38359	54615	199424	239214	231165
Karnataka	24751	43029	62422	164741	185655	239700
Kerala	23250	30476	71306	132699	141270	130422
Tamil Nadu	29739	40906	64429	136076	197724	134851
Gujarat	35733	54128	81614	349738	317093	328620
Haryana	40877	74634	104411	240810	252155	175342
Maharasthra	47964	60571	113641	281750	324470	229480
Punjab	23191	34232	62466	243812	279223	226416
All 14 States	31151	40013	64564	207142	245729	213842

Source: National Accounts Statistics (NAS) and National Sample Survey (NSS).

Table 2.48 Labour Productivity in Construction and Retail Trade and Hotel of West Bengal vis-à-vis Other Major States of India, 1993-94 to 2004-05 (Rs per worker)

States	Construction			Trade, repair services and hotels		
	1993-94	1999-00	2004-05	1993-94	1999-00	2004-05
West Bengal	26421	34350	28748	21372	26443	35779
Bihar	29083	25283	18015	23533	24746	21140
Orissa	33917	23512	11616	20319	21233	20877
Uttar Pradesh	27898	27181	21884	28579	23868	21411
Rajasthan	18017	25525	25293	38561	42807	42842
Madhya Pradesh	47730	61113	42180	38574	29685	24713
Andhra Pradesh	26199	29445	35609	27512	33240	32610
Karnataka	33293	49135	47509	28033	32183	42012
Kerala	27025	18286	22752	35518	31800	48726
Tamil Nadu	26188	36231	34341	28940	35050	46460
Gujarat	31588	44348	51285	36486	35583	48734
Haryana	43253	43290	31834	43923	43152	71492
Maharasthra	41286	38371	37899	39052	41424	53536
Punjab	38818	33930	36759	41395	37815	39103
All 14 States	29983	33062	30290	30811	31874	36917

Source: NAS and NSS

Table 2.49 Labour Productivity Ratio of Unregistered to Registered Manufacturing in West Bengal vis-à-vis Other Major States of India, 1993-94 to 2004-05

States	1993-94	1999-00	2004-05	States	1993-94	1999-00	2004-05
West Bengal	0.18	0.16	0.12	Kerala	0.23	0.16	0.13
Orissa	0.09	0.03	0.01	Tamil Nadu	0.16	0.17	0.16
Uttar Pradesh	0.13	0.09	0.07	Gujarat	0.18	0.26	0.14
Rajasthan	0.26	0.1	0.11	Haryana	0.51	0.33	0.17
Madhya Pradesh	0.25	0.14	0.07	Maharasthra	0.21	0.21	0.13
Bihar	0.07	0.01	0.01	Punjab	0.49	0.26	0.16
Andhra Pradesh	0.21	0.28	0.14	All 14 States	0.17	0.14	0.11
Karnataka	0.15	0.2	0.13				

Source: NAS and NSS

Table 2.50 Real Gross Value Added Per Worker in West Bengal vis-à-vis Other Major States of India, 1989-90 to 2000-01

(Rs)

State/ Country	Formal			Informal without DME			Informal with DME		
	1989-90	1994-95	2000-01	1989-90	1994-95	2000-01	1989-90	1994-95	2000-01
Andhra Pradesh	55859	93600	99091	4288	5334	7273	4394	5841	8154
Assam	121584	102492	118578	6462	5649	9960	7532	5912	11194
Bihar	154334	174546	221411	7425	5843	8136	7813	5976	8637
Gujarat	117194	229594	283751	19301	12906	16638	15132	15544	19125
Haryana	109689	150910	223213	8374	15522	15858	14170	20137	18314
Karnataka	120800	173724	194272	5330	6596	8816	5646	7067	9840
Kerela	106577	78337	108657	5740	7969	11124	6511	8595	13983
Madhya Pradesh	147232	217470	277599	5271	6373	6420	5985	9264	7271
Maharashtra	185831	268129	315094	9277	11941	13557	15004	16451	17494
Orissa	170424	158313	212283	2273	2325	3482	2556	2467	3758
Punjab	113433	116937	129110	12319	14850	16994	14172	16885	20432
Rajasthan	103813	196273	251614	6882	10339	12536	8152	11115	13940
Tamil Nadu	106940	135241	149697	5029	8118	9263	6516	11038	11958
Uttar Pradesh	116773	192203	214509	5491	6485	7498	6340	7588	8860
West Bengal	67296	98239	106662	4890	5491	7078	5511	6285	8542
All India	117200	84775	198646	3948	6951	8927	5394	8792	11075

Source: Annual Survey of Industries (ASI) and NSSO.

Table 2.51 Average Wage / Salary Earnings per Day Received by Regular Wage / Salary Employees (Activity Status Code: 31, 71, 72) of Age 15-59 Years by Region and Sex in West Bengal vis-à-vis the Whole of India, 2004-05

(Rs)

State/ Country	Rural			Urban		
	Male	Female	Person	Male	Female	Person
West Bengal	143.39	53.07	120.25	198.19	129.35	185.39
All India	144.93	85.53	133.81	203.28	153.19	193.73
Difference	- 1.54	- 32.46	-13.56	- 5.09	- 23.84	- 8.34

Source: NSSO, Government of India

2.3 Agriculture in West Bengal vis-à-vis the Whole of India

This section presents database on various aspects of agricultural and agri-allied development, namely contributions of agriculture to gross domestic product and employment, cropping intensity, growth of agricultural area, production and yield and related variables like operational holdings, irrigation, fertilizer consumption, agricultural wage, indebtedness, livestock and fish production in West Bengal vis-à-vis other major States / the whole of India.

Statistical Abstract, Government of India and Government of West Bengal, and Evaluation Wing, Directorate of Agriculture, Government of West Bengal provide the necessary data relating to agriculture and allied sector development.

Contributions of agriculture: During 2004-05, agriculture contributed to gross domestic product to the tune of 23.5 per cent while its contribution to total employment of the State was to the tune of 45.7 per cent. The respective percentage contributions for Maharashtra were 9.6 and 53.2. Annual growth rate of gross domestic product in agriculture of West Bengal declined from 4.45 per cent during 1983-84 to 1993-94 to 3.45 per cent during 1993-94 to 2003-04 (Table 2.52 to Table 2.53).

Cropping intensity: Cropping intensity as defined by the ratio of gross cropped area to net cropped area increased from 169 in 1997-98 to 180 in 2005-06, while in the whole of the India that marginally increased from 134 to 136. Among the major States of India it was the third highest in West Bengal (180 per cent) following Punjab (191 per cent) and Haryana (182 per cent) as against 136 per cent for India as a whole (Table 2.54).

Agricultural area, production and yield: Among the States of India West Bengal secured first position in area under and production of rice and jute and mesta and second position in potato area and production during 2003-04 and 2005-06. In 2003-04 West Bengal accounted for 13.8 per cent of total rice area of the whole of India and 17.91 per cent of rice production of the country. During 2006-07, West Bengal produced 14746 thousand tonnes of rice ranking first (1^{st}) among the major States of India while in foodgrains production the State ranked fourth (4^{th}). West Bengal accounted for nearly 16 per cent of rice production, about 8 per cent of cereals production, 7-8 per cent of total foodgrains production and only 1 per cent of total pulses production during 2005-06 and 2006-07. Compound annual growth rates of production of rice and foodgrains in West Bengal were higher than those in the whole of India while those in pulses, oilseeds and potato of the State were lower during 1993-94 to 2005-06. The yield of rice in the State was about 30 per cent higher than that of India as a whole. Similarly, the State accounted for 5.39 per cent of total foodgrains area of the whole of India and 8.09 per cent of total foodgrains production of India as a whole. Foodgrains yield in the State was significantly higher than the all-India average (Table 2.55 to Table 2.58). Among the 15 major States of India West Bengal could improve her rank in respect of per capita foodgrains production from 8^{th} in 1990-93 to 6^{th} in 2003-04 while Punjab ranked first followed by Haryana (Appendix Table A.2).

Factors contributing to agricultural development: The somewhat better performance of West Bengal relative to the whole of India in respect of agricultural performance is attributed to institutional factors like land reforms and technological factors like irrigation and fertilizer consumption in agriculture. West Bengal has the distinction that in August 2004 it had the highest land area declared surplus (10.47 lakh acres accounting for 19.00 per cent of total declared surplus land area of India) followed by Andhra Pradesh (surplus land 7.90 lakh acres accounting for 10.77 per cent of total declared surplus land area in India) while total land area taken possession and land area distributed were also highest (13.04 lakh acres and 10.88 lakh acres respectively accounting for 20.08 per cent of total declared surplus land area and 20.15 per cent of land area distributed in India). West Bengal thus accounted for above 20 per cent of area declared surplus, taken possession and distributed to individual beneficiaries who constituted above 52 per cent of total number of beneficiaries of the whole of India up to September 2006. As a result, in the State the percentage of marginal farmers to total owner farmers was lower than the All-India average but the percentage of area owned by them was higher in the State. Percentage of marginal operational holdings as well as that of area operated by them in the State was also higher than that of the country. Average size of the marginal, small and semi-medium holdings was higher in the State. West Bengal accounted for 13.58 per cent of gross irrigated area of the whole of India, for foodgrains the share being 6.55 per cent, for fruits/vegetables 7.18 per cent, for non-foodgrains 10.69 per cent. Fertilizer consumption per hectare of gross cropped area in the State was higher than that in India as a whole during 2002-03 to 2005-06 (Table 2.59 to Table 2.68).

Agricultural wage and indebtedness: Real agricultural wage in West Bengal was higher than that of the whole of India during 1983 to 1999-00 but in 2004-05 that was lower in the State. Percentage of farmer households indebted was higher in the State (50.1 per cent) than that (48.6 per cent) in the whole of India in 2003. The percentage share of marginal farmers indebted was higher in the State while for other categories of farmers the percentage share was lower than that of the whole of the country (Table 2.69 & Table 2.70).

Livestock and fishery: During 2003, total livestock population was 41619 thousand in West Bengal which ranked fourth (4th) among the states of India following Uttar Pradesh, Rajasthan and Andhra Pradesh. West Bengal had in that year 60656 poultry birds, ranking third (3rd) among the States following Andhra Pradesh and Tamil Nadu. During 2004-05, West Bengal produced 3790 thousand tonnes of milk accounting for only about 4 per cent of total milk production of the country. During 2006-07, the State produced 1359.1 thousand metric tonnes of fish accounting for 19.79 per cent of total fish production in India and ranked first (1st) among the major States of India. Percentage of fish production in West Bengal to total fish production of the country varied between 18.07 and 19.27 during 1999-00 to 2004-05 (Table 2.71 to Table 2.74).

Consumer price index for agricultural labourers: Consumer price index in the State for agricultural labourers was lower than that of India as a whole (Table 2.75).

Table 2.52 Percentage Share of Agriculture in Employment and Gross State Domestic Product (GSDP) of West Bengal vis-à-vis Other Major States of India, 2004-05

State/Country	Percentage share of agriculture in total (Rural+Urban) employment	Rank based on employment share	Percentage share of agriculture in GSDP	Rank based on share in GSDP
West Bengal	45.7	3	23.5	7
Kerala	35.5	1	16.5	3
Tamil Nadu	41.3	2	12.5	2
Punjab	47.6	4	38.6	16
Haryana	50.3	5	29.3	12
Maharashtra	53.2	6	9.6	1
Gujarat	54.9	7	20.1	5
Andra Pradesh	58.5	8	24.7	8
Karnataka	60.7	9	19.2	4
Uttar Pradesh	60.9	10	33.3	15
Rajasthan	61.7	11	27.6	9
Orissa	62.4	12	28.2	10
Himachal Pradesh	64.1	13	20.5	6
Assam	66.0	14	32.0	13
Bihar	68.8	15	32.7	14
Madhya Pradesh	69.2	16	28.3	11
All India	56.7	-	21.7	-

Source: NAS and NSS

Table 2.53 Growth Rate of GDP in Agriculture in West Bengal vis-à-vis Other Major States of India, 1983-84 to 2003-04

(Per cent)

State/Country	1983-84 to 1993-84	1993-84 to 2003-04	State/Country	1983-84 to 1993-84	1993-84 to 2003-04
West Bengal	4.45	3.45	Maharashtra	5.39*	1.27
Andra Pradesh	3.05	2.78	Madhya Pradesh	2.82*	0.23***
Assam	2.12	0.51	Orissa	(-0.57***)	0.17***
Bihar	(-0.45***)	2.50	Punjab	4.62	2.15
Gujarat	0.84***	1.13	Rajasthan	3.93	1.21***
Haryana	4.86	1.76	Tamil Nadu	4.43	(-0.6***)
Himachal Pradesh	3.08	1.30	Uttar Pradesh	2.80	2.18
Jammu and Kashmir	-	3.73	All India	3.05	2.19
Karnataka	3.54	3.12	Coefficient of Variation	58.72	102.88
Kerala	4.40	-2.00			

Source: Brochures on State Domestic Product issued by different States
Notes: * Significant at 5-10 per cent level; ** Significant at 10-20 per cent level; *** Insignificant
All those without * are significant at 1 per cent level

Table 2.54 Total Cropped Area, Net Cropped Area Sown and Cropping Intensity in West Bengal vis-à-vis Other Major States of India, 1997-98 to 2005-06

State/Country	Total cropped area ('000 hectares)						
	1997-98	1998-99	2001-02	2002-03	2003-04	2004-05	2005-06
West Bengal	9233	9310	9779	9510	9661	9523	9533 (8)
Andhra Pradesh	12135	13625	12756	11559	12366	12519	13632 (5)
Assam	3994	3481	3984	3965	3958	3756	3731 (14)
Bihar	10015	10053	7897	7957	7882	7399	7405 (11)
Gujarat	11157	10702	10734	10631	11421	11009	11304 (7)
Haryana	6143	6320	6318	6032	6388	6425	6504 (12)
Karnataka	11695	12312	11670	11532	11450	12807	13027(6)
Kerala	2969	2917	2992	2970	2954	2996	2986 (15)
Madhya Pradesh	25956	26011	19044	18078	19788	20203	19608 (4)
Maharashtra	21740	22155	22381	22387	22190	22368	22556 (2)
Orissa	8645	8425	8799	7853	8637	8718	8716 (9)
Punjab	7833	8117	7941	7826	7985	8069	8085 (10)
Rajasthan	22325	21401	20798	13218	21664	21062	21699 (3)
Tamil Nadu	6558	6627	6226	5191	5316	5889	6033 (13)
Uttar Pradesh	26045	16609	25447	24311	25425	24578	25105 (1)
All India	190570	192629	189708	175618	190200	190422	192796

Table 2.54 (continued)

State/Country	Net cropped area ('000 hectares)						
	1997-98	1998-99	2001-02	2002-03	2003-04	2004-05	2005-06
West Bengal	5465	5440	5522	5354	5428	5375	5295 (10)
Andhra Pradesh	9846	10978	10410	9615	10118	10327	10745 (5)
Assam	2751	3701	2774	2774	2774	2774	2774 (14)
Bihar	7411	7431	5664	5725	5712	5572	5572 (9)
Gujarat	9674	9674	9622	9481	9852	9852	9852 (7)
Haryana	3635	3628	3566	3458	3534	3527	3566 (13)
Karnataka	10075	10489	10031	9838	9847	10499	10509 (6)
Kerala	2271	2259	2191	2189	2190	2155	2132 (15)
Madhya Pradesh	19826	19839	14859	14518	14945	14975	14971 (4)
Maharashtra	17761	17732	17619	17579	17432	17490	17473 (1)
Orissa	6122	6048	5845	5680	5795	5739	5739 (8)
Punjab	4238	4238	4254	4243	4243	4243	4243 (12)
Rajasthan	17.75	16073	16765	10807	17394	16549	16836 (2)
Tamil Nadu	5581	5635	5172	4590	4689	5097	5244 (11)
Uttar Pradesh	17513	17585	16812	16597	16750	16683	16683 (3)
All India	142083	142600	141451	132692	140971	141139	141891

Table 2.54 (continued)

State/Country	Cropping intensity (Per cent)						
	1997-98	1998-99	2001-02	2002-03	2003-04	2004-05	2005-06
West Bengal	169	171	177	178	178	177	180 (3)
Andhra Pradesh	123	124	123	120	122	121	124 (11)
Assam	145	142	144	143	143	135	135 (7)
Bihar	135	135	139	139	138	133	133 (8)
Gujarat	115	111	112	112	116	112	115 (12)
Haryana	169	174	177	174	181	182	182 (2)
Karnataka	116	117	116	117	116	122	124 (11)
Kerala	131	129	137	136	135	139	140 (6)
Madhya Pradesh	131	131	128	125	132	135	131 (9)
Maharashtra	122	125	127	127	127	128	129 (10)
Orissa	141	139	151	138	149	152	152 (4)
Punjab	185	192	187	185	188	190	191 (1)
Rajasthan	131	133	124	122	125	127	129 (10)
Tamil Nadu	118	118	120	113	113	116	115 (12)
Uttar Pradesh	149	94	151	147	152	147	151 (5)
All India	134	135	134	132	135	135	136

Sources: (i) Directorate of Economics and Statistics, Ministry of Agriculture, Govt. of India,
(ii) Directorate of Agriculture (Evaluation Wing), Govt. of West Bengal

Table 2.55 Area, Production and Yield of Principal Crops in West Bengal vis-à-vis the Whole of India, 2003-04
(Area in '000 hectares, Production in '000 tonnes and Yield in quintals)

State / Country	Area					Production					Yield				
	Rice	Foodgrains	Oilseeds	Jute	Potato	Rice	Foodgrains	Oil seeds	Jute	Potato	Rice	Foodgrains	Oilseeds	Jute	Potato
West Bengal	5784	6476	678	569	318	14885	16055	653	7853	7077	25.7	24.8	9.6	24.8	222.5
All India	41907	120078	27523	774	1319	83132	198363	24354	9399	23631	19.8	16.5	8.9	21.9	179.2
Per Cent	13.8	5.39	2.46	73.51	24.11	17.91	8.09	2.68	83.55	29.95	129.8	150.3	107.87	113.24	124.16

Source: Statistical Abstract India 2004

Table 2.56 Production of Foodgrains in West Bengal vis-à-vis Other Major States of India, 2005-06 and 2006-07
(thousand tonnes)

State/Country	Rice		Pulse		Foodgrains	
	2005-06	2006-07	2005-06	2006-07	2005-06	2006-07
West Bengal	14511	14746	175	154	15688	15975
Andhra Pradesh	11704	11872	1376	1347	16951	16229
Assam	3553	2916	54	59	3678	3060
Bihar	3496	4989	447	438	8587	11099
Gujarat	1298	1390	547	593	6154	6499
Haryana	3210	3371	118	140	12998	14763
Karnataka	5744	3446	964	893	13489	9599
Kerala	630	631	7	8	638	640
Madhya Pradesh	1656	1368	3233	3203	13195	13747
Maharashtra	2695	2569	2006	2304	12087	12645
Orissa	6859	6825	336	352	7360	7345
Punjab	10193	10138	26	27	25184	25313
Rajasthan	153	170	898	1481	11445	14209
Tamil Nadu	5220	6611	177	290	6127	8263
Uttar Pradesh	11134	11124	2232	1975	40410	41215
All India	91793	93355	13384	14198	208602	217282

Sources: 1. Department of Agriculture & Co-operation. Ministry of Agriculture, Govt. of India.
2. Directorate of Agriculture, Evaluation Wing, Govt. of West Bengal.

Table 2.57 Position of West Bengal in Agriculture of the Whole of India, 2004-05 & 2005-06

A = Area (lakh hectare), P = Production (lakh tones), Y = Yield per hectare (kg)

Crop	A/P/Y	All India		West Bengal						Highest 3 States			
				Value		Percentage share		Rank		2004-05		2005-06	
		2004-05	2005-06	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06				
Rice	A	419.1	436.6	57.84	57.83	13.8	12.24	1	1	57.84	West Bengal	57.83	West Bengal
										53.39	Uttar Pradesh	55.8	Uttar Pradesh
										44.72	Orissa	44.8	Orissa
	P	831.3	917.9	148.85	145.1	17.9	15.81	1	1	148.85	West Bengal	145.12	West Bengal
										104.37	Punjab	117	Andhra Pradesh
										96.01	Andhra Pradesh	111.3	Uttar Pradesh
	Y	1984	2102	2574	2509	-	-	6	6	3943	Punjab	3868	Karnataka
										3131	Andhra Pradesh	3858	Punjab
										2941	Haryana	3051	Haryana
Wheat	A	263.8	264.8	4.0	3.67	1.52	1.39	9	10	90.00	Uttar Pradesh	91.6	Uttar Pradesh
										41.36	Madhya Pradesh	36.9	Madhya Pradesh
										34.82	Punjab	34.7	Punjab
	P	686.3	693.5	8.41	7.74	1.23	1.11	9	9	225.14	Uttar Pradesh	240.7	Uttar Pradesh
										146.98	Punjab	144.9	Punjab
										90.58	Haryana	88.6	Haryana
	Y	2602	2619	2103	2109	-	-	7	6	4221	Punjab	4179	Punjab
										3901	Haryana	3844	Haryana
										2839	Rajasthan & U.P.	2762	Rajasthan

Table 2.57 (continued)

Crop	A/P/Y	All India		West Bengal						Highest 3 States			
				Value		Percentage share		Rank		2003-04		2005-06	
		2004-05	2005-06	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06				
Pulses	A	227.6	223.9	2.26	2.23	1.00	0.98	13	13	45.20	Madhya Pradesh	42.8	Madhya Pradesh
										35.71	Rajasthan	34.4	Rajasthan
										33.84	Maharashtra	34.3	Maharashtra
	P	131.3	133.8	1.67	1.75	1.27	1.27	12	12	34.29	Madhya Pradesh	32.3	Madhya Pradesh
										23.75	Uttar Pradesh	22.3	West Bengal
										16.64	Maharashtra	20.1	Maharashtra
Pulses	Y	577	598	740	784	-	-	4	2	847	Uttar Pradesh	811	Uttar Pradesh
										793	Haryana	784	West Bengal
										759	Madhya Pradesh	722	Andhra Pradesh
Foodgrains	A	1200.8	1216.0	64.7	64.64	5.39	5.32	6	8	192.94	Uttar Pradesh	196.4	Uttar Pradesh
										126.05	Maharashtra	127.5	Maharashtra
										124.73	Madhya Pradesh	124.5	Rajasthan
	P	1983.6	2086.0	160.55	156.88	8.09	7.52	3	4	378.36	Uttar Pradesh	404.1	Uttar Pradesh
										256.71	Punjab	251.8	Punjab
										160.55	West Bengal	169.5	Andhra Pradesh
	Y	1652	1715	2479	2427	-	-	3	3	4040	Punjab	3986	Punjab
										3092	Haryana	3045	Haryana
										2479	West Bengal	2427	West Bengal
Mustard	A	73.2	72.8	4.57	4.22	6.25	5.80	5	5	36.82	Rajasthan	36.7	Rajasthan
										8.19	Uttar Pradesh	8.1	Madhya Pradesh
										7.02	Haryana	7.9	Uttar Pradesh

Table 2.57 (continued)

Crop	A/P/Y	All India		West Bengal						Highest 3 States			
				Value		Percentage share		Rank		2003-04		2005-06	
		2004-05	2005-06	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06				
Mustard	P	75.9	81.3	4.27	3.83	5.62	4.71	4	6	39.71	Rajasthan	44.2	Rajasthan
										8.26	Haryana	9.1	Uttar Pradesh
										6.74	Madhya Pradesh	8.5	Madhya Pradesh
	Y	1038	1117	934	909	-	-	7	8	1390	Gujarat	1349	Gujarat
										1177	Haryana	1205	Rajasthan
										1078	Rajasthan	1149	Uttar Pradesh
Oilseeds	A	275.2	278.6	6.78	6.43	2.46	2.31	10	10	57.60	Madhya Pradesh	56.7	Madhya Pradesh
										51.33	Rajasthan	52.6	Rajasthan
										33.59	Mahara-Shtra	36.5	Mahara-Shtra
	P	243.5	279.8	6.53	6.23	2.68	2.23	10	10	55.41	Rajasthan	59.6	Rajasthan
										47.98	Madhya Pradesh	57.2	Madhya Pradesh
										29.87	Gujarat	46.8	Gujarat
	Y	885	1004	964	969	-	-	6	9	1483	Tamil Nadu	1324	Tamil Nadu
										1176	Haryana	1544	Gujarat
										1079	Rajasthan	1134	Rajasthan
Jute & Mesta*	A	9.2	9.0	5.78	5.69	63.06	63.26	1	1	5.78	West Bengal	5.69	West Bengal
										1.5	Bihar	1.5	Bihar
										0.63	Assam	0.6	Gujarat
	P	102.7	108.4	79.35	81.14	77.24	74.85	1	1	79.35	West Bengal	81.14	West Bengal
										11.8	Bihar	13.9	Bihar
										4.58	Andhra Pradesh	6	Assam
	Y	2019	2173	2473	2567	-	-	1	1	2473	West Bengal	2567	West Bengal
										1555	Andhra Pradesh	1733	Assam
										1416	Bihar	1692	Bihar

Table 2.57 (continued)

Crop	A/P/Y	All India		West Bengal						Highest 3 States			
				Value		Percentage share		Rank		2003-04		2005-06	
		2004-05	2005-06	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06				
Potato	A	13.2	14.01	3.18	3.54	24.13	25.27	2	2	4.4	Uttar Pradesh	4.45	Uttar Pradesh
										3.18	West Bengal	3.54	West Bengal
										1.39	Bihar	1.42	Bihar
	P	236.3	239.05	70.77	74.62	29.95	31.22	2	2	98.22	Uttar Pradesh	99.87	Uttar Pradesh
										70.77	West Bengal	74.62	West Bengal
										13.38	Punjab	12.33	Bihar
	Y	17923	17058	22246	21053	-	-	2	3	22322	Uttar Pradesh	27500	Gujarat
										22246	West Bengal	22432	Uttar Pradesh
										20555	Punjab	21053	West Bengal

Source: Government of West Bengal, *Estimates of Area and Production of Principal Crops in West Bengal*, Directorate of Agriculture, 2005-06 and 2006-07

Notes: A= Area, P = Production, Y = Yield per hectare, * Production in lakh bales, 1 Bales = 180 Kg.

Table 2.58 Compound Annual Growth Rate of Area, Yield and Production in West Bengal vis-à-vis the Whole of India, 1993-94 to 2003-04 and 2000-01 to 2005-06 (Per cent)

Crops	State/ Country	Area		Yield		Production	
		1993-94 to 2003-04	2000-01 to 2005-06	1993-94 to 2003-04	2000-01 to 2005-06	1993-94 to 2003-04	2000-01 to 2005-06
Rice	WB	0.001	0.48	2.167	1.59	2.167	2.08
	All India	0.053	-0.73	0.575	1.45	0.629	0.72
Wheat	WB	3.366	-2.66	0.582	-2.59	3.971	-5.19
	All India	0.288	0.95	1.109	-1.06	1.398	-0.12
Total Pulses	WB	0.749	-3.63	1.966	0.69	2.73	-2.96
	All India	-0.836	3.19	-0.104	0.78	-0.931	3.91
Foodgrains	WB	0.749	0.24	1.966	1.47	2.73	1.71
	All India	-0.836	0.26	-0.104	0.6	-0.931	0.86
Total oilseeds	WB	2.238	2.53	1.688	0.72	3.967	3.25
	All India	-1.822	4.64	0.509	4.48	-1.326	9.33
Potato	WB	2.293	2.65	-0.053	-3.49	3.238	-0.93
	All India	2.034	2.76	1.169	-1.71	3.226	1.00

Source: As in Table 2.57.

Note: WB = West Bengal.

Table 2.59 Estimates of Land Distributed in West Bengal vis-à-vis Other Major States of India, August 2004

(lakh acres)

States/ India	Total area declared surplus		Total area taken possession		Total Area Distributed.	
West Bengal	13.94	(19.00)	13.04	(20.08)	10.88	(20.15)
Andhra Pradesh	7.90	(10.77)	6.47	(9.95)	5.82	(10.78)
Assam	6.13	(8.36)	5.75	(8.86)	5.46	(10.10)
Bihar	4.15	(5.66)	3.91	(6.01)	3.07	(5.68)
Gujarat	2.26	(3.08)	1.62	(2.49)	1.47	(2.71)
Haryana	1.07	(1.46)	1.03	(1.59)	1.02	(1.90)
Himachal Pradesh	3.17	(4.32)	3.05	(4.69)	0.06	(0.11)
Jammu & Kashmir	4.56	(6.21)	4.50	(6.93)	4.50	(8.33)
Karnataka	2.68	(3.66)	1.65	(2.53)	1.23	(2.28)
Kerala	1.41	(1.93)	0.97	(1.49)	0.69	(1.27)
Madhya Pradesh	2.99	(4.07)	2.60	(4.01)	1.87	(3.46)
Maharashtra	7.08	(9.65)	6.50	(10.01)	6.14	(11.37)
Manipur	0.02	(0.02)	0.02	(0.03)	0.02	(0.03)
Orissa	1.80	(2.46)	1.68	(2.59)	1.58	(2.93)
Punjab	2.23	(3.04)	1.06	(1.63)	1.04	(1.93)
Rajasthan	6.12	(8.34)	5.70	(8.78)	4.64	(8.58)
Tamil Nadu	2.03	(2.76)	1.94	(2.99)	1.84	(3.40)
Tripura	0.02	(0.03)	0.02	(0.03)	0.02	(0.03)
Uttar Pradesh	3.66	(4.99)	3.35	(5.16)	2.59	(4.80)
Total	73.36	(100.00)	64.96	(100.00)	54.02	(100.00)

Source: Parliament of India, Ministry of Rural Development

Note: ( ) Figures within parentheses indicate percentages to total.

Table 2.60 Cumulative Progress on Implementation of Land Ceiling Laws in West Bengal vis-à-vis India, 2006

(up to September) (Area in thousand acres)

State/Country	Area declared surplus	Area taken possession	Area distributed to individual beneficiaries	Total number of beneficiaries (thousand)
West Bengal	1398.13	1307.84	1020.37	2847.82
All India	6872.82	6027.18	4899.89	5401.23
Per cent	20.34	21.70	20.82	52.73

Source: Ministry of Rural Development, *Annual Report 2006-07*

Table 2.61 Percentage Distribution of Owner Households and Area Owned over Five Broad Size Classes of Holdings in West Bengal vis-à-vis the Whole of India, 1971-72 to 2003

State/Country	Year	Percentage distribution of owner households					
		Marginal	Small	Semi-medium	Medium	Large	All
West Bengal	2003	92.06	5.70	1.40	0.20	0.00	100.00
	1992	85.88	9.48	3.94	0.71	0.00	100.00
	1982	81.60	11.50	5.54	1.28	0.08	100.00
	1971-72	77.62	12.64	7.30	2.39	0.05	100.00
All India	2003	79.60	10.80	6.00	3.00	0.60	100.00
	1992	71.88	13.42	9.28	4.54	0.88	100.00
	1982	66.64	14.70	10.78	6.45	1.42	100.00
	1971-72	62.62	15.49	11.94	7.83	2.12	100.00

Table 2.61(continued)

States/Country	Year	Percentage distribution of area owned					
		Marginal	Small	Semi-medium	Medium	Large	All
West Bengal	2003	58.23	25.71	11.88	4.02	0.00	100.00
	1992	41.29	28.11	22.98	7.62	0.00	100.00
	1982	30.33	28.77	27.23	12.12	1.54	100.00
	1971-72	27.28	25.69	27.72	18.61	0.70	100.00
All India	2003	23.05	20.38	21.98	23.08	11.55	100.00
	1992	16.93	18.59	24.58	26.07	13.83	100.00
	1982	12.22	16.49	23.38	29.83	18.07	100.00
	1971-72	9.76	14.68	21.92	30.73	22.91	100.00

S*ource*: N.S.S *Land and Livestock Holding Survey 59th Round, Report no. 491*

Table 2.62 Distribution of Scheduled Tribes (ST) Households According to Land Possession in Rural West Bengal vis-à-vis the Whole of Rural India, 2004-05 (Per cent)

State/ Country	Size of land possessed (hectares)					Per cent of households with less than one hectare
	0.00	0.001-1.00	1.01-2.00	2.01-4.00	4.01 & above	
West Bengal	1.8	89	7.3	1.2	0.70	90.8
All India	3.6	66.7	16.3	10.6	2.9	70.3

Source: As in Table 2.61.

Table 2.63 Distribution of Scheduled Castes (SC) Households According to Land Possession in Rural West Bengal vis-à-vis the Whole of Rural India, 2004-05 (Per cent)

State/ Country	Size of land possessed (hectare)					Per cent of hhs with less than one hectare
	0.00	0.001-1.00	1.01-2.00	2.01-4.00	4.01 & above	
West Bengal	1.9	92.1	5.4	0.6	0	94.0
All India	2.7	86.9	6.7	2.7	1.00	89.6

Source: As in Table 2.61.

Table 2.64 Percentage Distribution of Operational Holdings (oh) and Operational Area (oa) in West Bengal vis-à-vis Other Major States of India, 1995-96 & 2000-01

States/ India		Size class					
		Marginal (0-1 hectare)		Small (1-2 hectares)		Semi-medium (2-4 hectares)	
		1995-96	2000-01	1995-96	2000-01	1995-96	2000-01
West Bengal	oh	76.42	80.44	16.81	14.89	5.83	4.14
	oa	42.93	49.74	29.06	29.04	18.72	14.04
Andhra Pradesh	oh	59.42	60.9	21.33	21.83	13.16	12.35
	oa	20.2	21.56	22.47	24.76	25.99	26.35
Assam	oh	62.21	59.05	20.95	21.97	13.08	14.83
	oa	19.79	19.49	24.54	23.05	29.45	32.13

Table 2.64 (continued)

State/Country		Size class					
		Marginal (0-1 hectare)		Small (1-2 hectares)		Semi-medium (2-4 hectares)	
		1995-96	2000-01	1995-96	2000-01	1995-96	2000-01
Bihar	oh	80.14	84.18	10.79	9.24	6.65	5.09
	oa	36.24	43.09	18.88	19.21	24.02	22.88
Gujarat	oh	27.35	29.41	27.9	30.19	25.6	25.06
	oa	5.67	6.68	15.67	18.76	27.35	29.69
Haryana	oh	47.16	46.07	19.56	19.24	18.98	18.19
	oa	10.99	8.93	12.87	11.89	24.92	22
Karnataka	oh	41.95	45.94	27.44	26.97	19.35	17.78
	oa	10.31	12.12	20.49	22.28	27.24	27.86
Kerala	Oh	93.95	95.16	4.16	3.41	1.52	1.14
	oa	53.27	56.28	20.44	19.12	14.25	12.17
Madhya Pradesh	oh	40.38	35.56	24.08	26.51	19.98	20.22
	oa	8.2	8.54	15.24	17.27	24.16	25.18
Maharashtra	oh	40.05	47.31	29.81	28.11	20.2	17.47
	oa	10.5	14.58	23.17	25.42	29.54	29.88
Orissa	oh	54.08	56.43	27.89	27.39	13.72	12.32
	oa	20.68	22.73	29.59	30.39	28.21	26.45
Punjab	oh	20.54	12.34	18.43	17.35	32.23	32.9
	oa	2.94	1.94	5.79	6.02	20.09	21.78
Rajasthan	oh	30.03	31.78	20.23	20.79	20.82	20.62
	oa	3.67	4.21	7.36	8.21	14.99	16.07
Tamil Nadu	oh	74.28	74.39	15.4	15.6	7.5	7.27
	oa	30.26	30.97	23.57	24.56	22.22	22.25
Uttar Pradesh	oh	75.42	76.88	14.57	14.25	7.36	6.59
	oa	33.74	36.97	23.85	24.28	23.27	21.72
All India	oh	61.58	63	18.73	18.88	12.34	11.66
	oa	17.21	18.82	18.81	20.17	23.85	23.96

Table 2.64 (continued)

State/Country		Size class				Average holding size (hectare)	
		Medium (4-10 hectares)		Large (10 hectares & above)			
		1995-96	2000-01	1995-96	2000-01	1995-96	2000-01
West Bengal	Oh	0.92	0.52	0.02	0.01	0.85	0.82
	Oa	5.66	3.21	3.63	3.97		
Andhra Pradesh	Oh	5.31	4.34	0.78	0.57	1.36	1.25
	Oa	22.48	19.83	8.86	7.51		
Assam	Oh	3.58	3.96	0.19	0.19	1.17	1.2
	Oa	15.77	16.85	10.45	8.48		
Bihar	Oh	2.22	1.42	0.2	0.08	0.75	0.58
	Oa	16.37	12.76	4.48	2.06		
Gujarat	Oh	16.74	13.88	2.41	1.45	2.62	2.35
	Oa	37.71	34.26	13.59	10.61		

Table 2.64 (continued)

State/Country		Size class				Average holding size (hectare)	
		Medium (4-10 hectares)		Large (10 hectares & above)			
		1995-96	2000-01	1995-96	2000-01	1995-96	2000-01
Haryana	Oh	11.98	13.22	2.31	3.27	2.13	2.32
	Oa	33.24	34.08	17.98	23.1		
Karnataka	Oh	9.55	8.04	1.7	1.27	1.95	1.74
	Oa	28.81	26.95	13.16	10.78		
Kerala	Oh	0.32	0.24	0.05	0.05	0.27	0.24
	Oa	6.07	5.42	5.96	7.01		
Madhya Pradesh	Oh	12.9	12.46	2.66	2.26	2.28	2.22
	Oa	33.64	33.28	18.76	15.73		
Maharashtra	Oh	8.85	6.43	1.09	0.68	1.87	1.57
	Oa	27.34	23.05	9.45	7.07		
Orissa	Oh	3.93	3.57	0.38	0.3	1.3	1.25
	Oa	16.84	16.1	4.72	4.33		
Punjab	Oh	20.75	30.19	8.06	7.22	3.79	4.03
	Oa	42.3	43.04	28.89	27.23		
Rajasthan	Oh	19.84	18.9	9.08	7.91	3.96	3.65
	Oa	31.14	32.05	42.83	39.46		
Tamil Nadu	Oh	2.5	2.46	0.32	0.29	0.91	0.89
	Oa	15.54	15.69	8.41	6.54		
Uttar Pradesh	Oh	2.47	2.14	0.18	0.15	0.86	0.83
	Oa	15.88	14.35	3.26	2.69		
All India	Oh	6.14	5.44	1.21	1.02	1.41	1.32
	Oa	25.34	23.84	14.79	13.21		

Source: N.S.S, *Land and Livestock Holding Survey 59th Round, Report no. 491*
Notes: Oa = Operational area, OH= Operational holding.

Table 2.65 Percentage Distribution of Operational Holdings and Area Operated in West Bengal vis-à-vis India, 1970-71 to 2002-03

State/Country	Year	Percentage distribution of operational holdings				
		Marginal	Small	Semi-medium	Medium	Large
West Bengal	2002-03	88.8	8.9	2.1	0.2	0.00
	1991-92	80.7	13.4	5.0	0.9	0.0
	1981-82	74.3	15.8	8.1	1.7	0.1
	1970-71	61.2	22.8	12.0	3.0	0.1
All India	2002-03	69.8	16.2	9.0	4.2	0.8
	1991-92	62.8	17.8	12.0	6.1	1.3
	1981-82	56.0	19.3	14.2	8.6	1.9
	1970-71	45.8	22.4	17.7	11.1	3.1

Table 2.65 (continued)

State/Country	Year	Percentage distribution of area operated				
		Marginal	Small	Semi-medium	Medium	Large
West Bengal	2002-03	58.3	26.7	12.2	2.7	0.0
	1991-92	4030	30.7	22.1	7.3	0.0
	1981-82	29.3	28.8	28.3	11.4	2.3
	1970-71	24.8	28.9	31.1	14.6	0.6
All India	2002-03	22.6	20.9	22.5	22.2	11.8
	1991-92	15.6	18.7	24.1	26.4	15.2
	1981-82	11.5	16.6	23.6	30.2	18.2
	1970-71	9.2	14.8	22.5	30.5	23.0

Source: N.S.S, *Land and Livestock Holding Survey 59th Round, Report no. 491*

Table 2.66 Net Area under Irrigation by Source in West Bengal vis-à-vis Other Major States of India, 2002-03

('000 hectares)

States	Canals			Tubewells and other wells	Other sources	Total
	Government	Private	Tanks			
West Bengal	701	-	313	1716	250	2980
Andhra Pradesh	1209	-	426	1842	137	3614
Assam	152	-	-	2	20	174
Bihar	966	-	111	2251	134	3462
Gujarat	380	-	14	2637	15	3046
Haryana	1433	-	-	1522	11	2966
Karnataka	773	-	183	1185	310	2450
Kerala	96	4	49	116	115	379
Madhya Pradesh	746	2	94	2988	665	4494
Maharashtra	1040	-	-	1931	-	2971
Orissa	882	-	100	136	184	1300
Punjab	967	-	-	3076	3	4046
Rajasthan	960	-	8	3377	27	4372
Tamil Nadu	614	1	422	1263	11	2310
Uttar Pradesh	2711	-	66	9251	203	12232

Source: Directorate of Economics and Statistics, Ministry of Agriculture, Government of India.

Table 2.67 Percentage of Villages Having Irrigation Facility in West Bengal vis-à-vis the Whole of India, 2002

(July-December)

State/Country	Villages having irrigation facility	Canal	Tube well	Stream / river	Tank / pond	Well	Others	Not recorded
West Bengal	84.5	16.0	37.1	9.0	11.6	6.2	19.2	0.9
All India	76.2	17.3	48.1	7.4	5.6	16.2	3.7	1.7

Source: NSSO, *Report on Village Facilities*, Report No. 487, 58th Round (July – December, 2002), December 2003.

Table 2.68 Fertilizer Consumption (Ratio & Per Hectare) in West Bengal vis-à-vis Other Major States of India, 2002-03 to 2005-06

States	Year	Ratio of				States	Year	Ratio of			
		N	P	K	Consumption in kg/hectare			N	P	K	Consumption in kg/hectare
Andhra Pradesh	2002-03	5.07	2.14	1	123.49	Maharashtra	2002-03	4.16	2.03	1	75.58
	2003-04	4.74	1.98	1	136.8		2003-04	4.96	2.4	1	65.65
	2004-05	3.96	1.84	1	158.57		2004-05	3.69	2.04	1	74.68
	2005-06	4.47	2.03	1	203.61		2005-06	3.22	1.75	1	84.52
Assam	2002-03	2.03	1.09	1	43.03	Orissa	2002-03	4.38	1.49	1	36.89
	2003-04	1.9	1.08	1	46.6		2003-04	4.25	1.35	1	41.41
	2004-05	2.1	1.37	1	41.25		2004-05	4.16	1.45	1	51.59
	2005-06	1.92	1.15	1	49.26		2005-06	4.01	1.5	1	57.33
Bihar	2002-03	21.97	4.86	1	86.55	Punjab	2002-03	34.97	9.41	1	171.99
	2003-04	22.61	2.87	1	80.5		2003-04	90.81	8.82	1	184.05
	2004-05	14.75	1.69	1	99.78		2004-05	27.82	7.34	1	194.56
	2005-06	6.97	1.34	1	125.32		2005-06	19.87	5.85	1	210.06
Gujarat	2002-03	7.13	2.89	1	90.15	Rajasthan	2002-03	58.03	20.5	1	28.63
	2003-04	9.35	3.47	1	95.07		2003-04	53.25	19.36	1	40.49
	2004-05	7.84	3.08	1	99.49		2004-05	33.27	12.48	1	31.33
	2005-06	40.35	12.32	1	155.1		2005-06	31.1	12.16	1	36.29
Haryana	2002-03	74.75	2.01	1	150.64	Tamil Nadu	2002-03	2.45	0.88	1	117.23
	2003-04	48.14	14.89	1	167.11		2003-04	2.15	0.9	1	112.51
	2004-05	29.59	8.82	1	166.72		2004-05	1.87	0.82	1	159.07
	2005-06	2.51	1.39	1	56.74		2005-06	1.97	0.9	1	183.67
Kamataka	2002-03	3.08	1.56	1	89.53	Uttar Pradesh	2002-03	16.24	4.97	1	124.56
	2003-04	2.64	1.29	1	74.8		2003-04	14.98	4.83	1	126.69
	2004-05	1.09	0.58	1	57		2004-05	13.17	4.08	1	134.13
	2005-06	1.23	0.58	1	56.74		2005-06	12.08	4.08	1	140.37
Kerala	2002-03	1.11	0.52	1	67.73	West Bengal	2002-03	2.14	1.3	1	128.07
	2003-04	1.26	0.57	1	63.57		2003-04	2.53	1.32	1	122.43
	2004-05	1.09	0.58	1	57		2004-05	2.17	1.17	1	132.46
	2005-06	11.17	7.11	1	53.42		2005-06	2.26	1.32	1	130.05
Madhya Pradesh	2002-03	11.9	8.76	1	39.42	All India	2002-03	6.54	2.51	1	86.06
	2003-04	11.93	7.08	1	55.04		2003-04	6.94	2.58	1	89.83
	2004-05	9.51	5.47	1	47.13		2004-05	5.68	2.24	1	94.52
	2005-06	11.93	7.08	1	55.04		2005-06	5.27	2.16	1	104.5

*Source:*Directorate of Agriculture, Government of West Bengal

Table 2.69 Real Agricultural Wages in West Bengal vis-à-vis the Whole of India, 1983 to 2004-05

(Rs in 1999 Rural Maharashtra prices)

State/Country	Weekly earnings				Average daily wages			
	2004-05	1999-00	1993-94	1983	2004-05	1999-00	1993-94	1983
West Bengal	185.45	192.14	164.50	122.93	38.73	40.55	34.09	26.38
All India	199.33	188.62	163.42	118.50	39.76	38.55	31.10	22.81
Difference	-13.88	3.52	1.08	4.43	-1.03	2	2.99	3.57

Source: NSS.

Table 2.70 Estimated Number of Rural Households, Total and Indebted Farmer Households of West Bengal vis-à-vis the Whole of India, 2003

State/ Country	Estimated number of rural households ('00)	Estimated number of farmer households ('00)	Estimated number of indebted farmer households ('00)	Percentage of farmer households indebted
West Bengal	121667	69226	34696	50.1
All India	1478988	893504	434242	48.6
Per cent	8.23	7.75	7.99	103.09

Source: Report No. 498(59/33/1), Situation Assessment Survey of Farmers: Indebtedness of Farmer Households, National Sample Survey 59Th Round (January- December 2003)

Table 2.71 Livestock and Poultry Population in West Bengal vis-à-vis Other Major States of India, 2003 ('000)

State/Country	Cattle	Buffaloes	Sheep	Goats	Horses and ponies	Other livestock	Total Livestock	Poultry
West Bengal	18913	1086	1525	18774	18	1302	41619	60656
Andhra Pradesh	9300	10630	21376	6277	9	603	48195	102278
Assam	8440	678	170	2987	12	1543	13829	21664
Bihar	10729	5743	382	9490	117	701	27162	13911
Gujarat	7424	7140	2062	4541	18	470	21655	8153
Haryana	1540	6035	633	460	25	192	8885	13619
Karnataka	9539	3991	7256	4484	14	337	25621	25593
Kerala	2122	65	4	1213	-	77	3481	12216
Madhya Pradesh	18913	7575	546	8142	32	409	35617	11705
Maharashtra	16303	6145	3094	10684	40	497	36763	37968
Orissa	13903	1394	1620	5803	-	671	23391	17611
Punjab	2039	5995	220	278	29	47	8608	10779
Rajasthan	10854	10414	10054	16809	25	981	49136	6192
Tamil Nadu	9141	1658	5593	8177	25	347	24942	86591
Uttar Pradesh	18551	22914	1437	12941	154	2535	58531	11718
All India	185181	97922	61469	124358	751	15320	485002	489012

Source: Department of Animal Husbandry, Dairying & Fisheries, Ministry of Agriculture, Government of India.

Table 2.72 Production of Milk in West Bengal vis-à-vis Other States of India, 2004-05 ('000 tonnes)

State/Country	Cow milk	Buffalo milk	Goat milk	Total
West Bengal	3377	293	122	3790
Andhra Pradesh	1856	5401	..	7257
Assam	619	93	26	739
Bihar	949	1701	324	2974

Table 2.72 (continued)

State/Country	Cow milk	Buffalo milk	Goat milk	Total
Gujarat	2168	4322	255	6745
Haryana	767	4411	45	5222
Karnataka	2533	1346	38	3917
Kerala	1913	38	75	2025
Madhya Pradesh	2276	2890	340	5506
Maharashtra	3323	2966	276	6564
Orissa	1080	201	3	1283
Punjab	2216	6301	37	8554
Rajasthan	2336	5065	909	8310
Tamil Nadu	3367	1417	..	4784
Uttar Pradesh	4586	10908	1017	16512
All India	36169	49489	3650	90733

Source: Department of Animal Husbandry, Dairying & Fisheries, Ministry of Agriculture, Government of India

Table 2.73 Fish Production in West Bengal vis-à-vis the Whole of India, 1999-00 to 2004-05 (thousand tonnes)

State/Country	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
West Bengal	1045.7	1060.23	1100.1	1120	1169.6	1215
All India (Total)	5675.03	5655.35	5955.93	6199.68	6393.9	6304.76
Per cent	18.43	18.75	18.47	18.07	18.29	19.27

Source: Ministry of Agriculture, *Agricultural Statistics at a Glance* 2006-07, Government of India

Table 2.74 Inland, Marine and Total Fish Production in West Bengal vis-à-vis Other Major Fish Producing States of India, 2006-07 ('000 MT)

States/ India	Inland fish production	Percentage of all India production	Marine fish production	Percentage of all India production	Total fish production	Percentage of all India production
West Bengal	1181	30.72	178.1	5.89	1359.1	19.79
Andhra Pradesh	616.73	16.04	240.2	7.94	856.93	12.47
Gujarat	76.82	1.99	670.51	22.17	747.33	10.88
Kerala	79.57	2.06	598.06	19.78	677.63	9.86
Maharashtra	131.85	3.43	464.09	15.34	595.94	8.68
Tamil Nadu	155.03	4.03	387.25	12.8	542.28	6.89
Orissa	213.9	5.56	128.14	4.24	342.04	4.98
Karnataka	123.92	3.22	168.54	5.57	292.46	4.26
Uttar Pradesh	306.73	7.98	-	-	306.73	4.46
Bihar	267.04	6.94	-	-	267.04	3.89
Assam	181.5	4.72	-	-	181.5	2.64
All India	3844.9	100.00	3024.16	100	6869.04	100

Source: Ministry of Agriculture, Govt. of India.

Table 2.75 C**onsumer Price Index Numbers for Agricultural Labourers, 2004-05 to 2006-07** (Base Year: 1986-87=100)

State/Country	2004-05		2005-06		2006-07	
	General	Food	General	Food	General	Food
West Bengal	330	308	330	308	348	324
All India	340	333	340	333	366	360
Difference	-10	-25	-10	-25	-18	-36

Source: Central Statistical Organisation (CSO), *Monthly Abstract of Statistics*, Volume 59, No. 7 July 2006.

2.4 Industry

This section presents database of different aspects of industry, namely contribution of industry to domestic product, registered factory, capital flows, unorganized manufacturing, handlooms and raw silk production.

Contribution to domestic product: Manufacturing industry contributed to net domestic product of West Bengal to the tune of 9.25 per cent against 25.40 per cent in Gujarat in 2005-06.

Registered factory: During 2003-04 West Bengal accounted for 4.60 per cent of total number of registered factories of the whole of India, which decreased to 4.48 per cent during 2004-05 while productive capital accounting for 4.62 per cent, number of workers and total persons engaged 6.33 per cent and 6.13 per cent respectively. Share of West Bengal in value of factory output and net value added in factory sector during 2003-04 and 2004-05 was around 4 per cent. During 2005-06 the State ranked eighth in number of factories, twelfth in value of output and eleventh in net value added by manufactures. The State accounted for around 10 per cent of coal production of the whole of India during 2003 to 2006. Production of cement in West Bengal accounted for 2 per cent of all-India production while consumption in the state constituted 4-5 per cent. Computer software export accounted for 2-3 per cent of all-India export during 204-05 to 2006-07 (Table 2.76 & Table 2.79)

Institutional investment and direct foreign investment: West Bengal ranked twelfth in respect of per capita institutional investment and tenth in respect of per capita credit utilization. During 1999 to 2001, per capita institutional investment in West Bengal was Rs 662, while the State ranked twelfth (12^{th}) among the major States of India. During January 2008 to September 2008 foreign direct investment approved in West Bengal was Rs 3660.46 crores while the State ranked first (1^{st}) among the major States of India (Table 2.80 & Table 2.81).

In mulberry silk production West Bengal ranked third following Karnataka and Andhra Pradesh while in Tasar raw silk production the state ranked second next to Orissa. In respect of achievement in family bio-gas plant the state's achiement varied between 6.55 per cent and 20.04 per cent of India's achievement upto December 2004 while the potential of the state was 5.77 per cent (Table 2.82 &Table 2.83).

Unorganized manufacturing: As per National Sample Survey 62^{nd} Round, estimated number of unregistered manufacturing enterprises in West Bengal was 27.53 lakhs and estimated number of workers was 54.94 lakhs that accounted for 15.08 per cent of total unregistered manufacturing workers of India and the State stood first (1^{st}) among the major States of the country. It may be noted that in manufacturing, all factories with less than 10 workers or less than 20 (if they are not using power) are considered informal enterprises. However, the official unorganized sector includes all unincorporated household enterprises, partnership enterprises, cooperative enterprises, private and limited companies. These unorganized sector enterprises have created much employment in India across States. These are characterized by low wage and low (labour) productivity activities. West Bengal accounted for 16.13 per cent of unorganized manufacturing enterprises and 15.08 per cent of unorganized manufacturing employment of the whole of India during 2005-06. Share of West Bengal in estimated unorganized manufacturing workers of India in own account manufacturing enterprises (OAME) having no hired worker and non-directory manufacturing enterprises (NDME) with less than six workers (household and hired workers taken together) was higher (above 18 per cent) than that in directory manufacturing enterprises (DME) with more than six workers (household and hired workers taken together) (10 per cent) in both rural and urban areas. Proportions of perennial OAME, NDME and DME in West Bengal were higher than those of other operational types (like seasonal and casual) in the whole of India during 2005-06. Proportion of workers working for 8 hours and more in OAME in the State was higher but that in NDME and DME was lower than those of India as a whole (Table 2.84 to Table 2.90).

Major problem faced by the unorganized enterprises of different types in West Bengal was shortage of capital. The proportions of such enterprises facing problems of shortage of capital, non-availability of power and competition from larger enterprises were higher in the State than those in India as a whole (Table 2.91 to Table 2.93).

Proportion of unorganized enterprises working on contract in West Bengal was higher than that of India as a whole and the proportion of unorganized manufacturing enterprises, whether OAME, NDME or DME, receiving no assistance in West Bengal in both rural and urban areas was aslo higher than that of the whole of India. Proportion of stagnant unorganized manufacturing enterprises, whether OAME, NDME or DME, was higher than that of expanding enterprises in both West Bengal and the whole of India though that of expanding

enterprises in West Bengal in both rural and urban areas was higher than that of India as whole. Proportion of unorganized manufacturing enterprises operating for 7 to 9 months in West Bengal was higher than that of India as a whole. Most of the unorganized manufacturing enterprises working on contract had their equipment self procured but raw materials were supplied by master enterprise / contractor and design was specified in both rural and urban West Bengal as well as rural and urban India. Most of the unorganized manufacturing workers were pursuing single activity in both rural and urban West Bengal and India, and those workers having multiple activities had their income from the survey enterprises to the tune of 50 per cent and below. Most of the owners of the unorganized manufacturing enterprises who had their major annual income from other economic activities were engaged in agriculture, hunting, forestry, fishing, mining and quarrying in both rural West Bengal and rural India while in urban areas most of them are engaged in manufacturing, gas, clean and hot water supply, construction, wholesale and retail trade (Table 2.94 to 2.103).

Handloom goods and raw silk production: Share of West Bengal in handloom goods production of the whole of India during 1980-81 to 2005-06 fluctuated widely between 5.57 per cent and 21.07 per cent (Table 2.104).

Table 2.76 Registered Factories Covered by Annual Survey of Industries in West Bengal vis-à-vis Other Major States of India, 2003-04 & 2004-05 (Factory Sector)

State/Country	Number of factories		Value of output (Rs lakh)		Net value added by manufacture (Rs lakh)	
	2003-04	2004-05	2003-04	2004-05	2003-04	2004-05
West Bengal	5942	6105 (8)	5223392	7242287 (12)	790263	1054892 (11)
Andhra Pradesh	14802	15572 (3)	8260837	10238450 (14)	1337527	1593777 (3)
Assam	1570	1710 (14)	1630623	2205002 (3)	374093	372082 (14)
Bihar	1460	1674 (15)	887711	1222169 (4)	61430	91016 (15)
Gujarat	12795	13603 (4)	20733426	26074860 (15)	2886545	3601558 (6)
Haryana	4265	4339 (11)	6196141	7571944 (13)	914334	1169560 (9)
Karnataka	7067	7596 (6)	8080073	10884648 (7)	1384381	2053182 (4)
Kerala	5491	5493 (10)	3183189	3611959 (1)	409114	406601 (8)
Madhya Pradesh	2982	3028 (12)	4274433	4696851 (9)	528689	555351 (12)
Maharashtra	17474	18912 (2)	23829332	35887957 (6)	4190975	5130921 (7)
Orissa	1678	1749 (13)	1850105	2329400 (11)	321492	604542 (10)
Punjab	6853	7575 (7)	4393197	5304591 (5)	531406	580741 (2)
Rajasthan	5452	5740 (9)	3763555	4488205 (10)	517323	658264 (1)
Tamil Nadu	20246	21053 (1)	12993703	15950703 (8)	1910051	2156743 (13)
Uttar Pradesh	9237	9582 (5)	9340067	10913874 (2)	1264899	1429776 (5)
All India	129074	136353	128738002	167256142	20293276	25990686

Source: Annual Survey of Industries, 2003-04 and 2004-05, Government of India.
Note: ( ) Figures within parentheses indicate respective ranks.

Table 2.77 Productive Capital, Number of Workers, Persons Engaged in West Bengal vis-à-vis the Whole of India, 2003-2004 to 2004-05 (Value in Rs ten million, Others in number)

Year	State/Country	Productive capital	Number of workers	Total persons engaged
2003-04	West Bengal	25580	408938	515267
	All India	592562	6086908	7870081
	Per cent	4.32	6.72	6.55
2004-05	West Bengal	31077	417996	517939
	All India	672399	6599298	8453624
	Per cent	4.62	6.33	6.13

Source: Annual Survey of Industries, 2003-04 and 2004-05, Government of India.

Table 2.78 Production and Consumption of Cement Production in West Bengal vis-à-vis the Whole of India, 2005-06 to 2007-08

('000 tonnes)

State/Country	Cement production			Cement consumption		
	2005-06	2006-07	2007-08	2005-06	2006-07	2007-08
West Bengal	3249.87	3516.44	2626.93	6588.91	6928.02	5261.16
All India	141805.13	155657.02	121772.16	135562.98	149331.81	118080.06
Per cent	2.29	2.26	2.16	4.86	4.64	4.46

Source: Cement Manufacturers Association of India

Table 2.79 Export of Computer Software and Services in West Bengal vis-à-vis the Whole of India, 2004-05 to 2006-07

State/Country	2004-2005			2005-2006			2006-2007		
	Rs crore	US $ million	Per cent	Rs crore	US $ million	Per cent	Rs crore	US $ Million	Per cent
West Bengal	2100	467.71	2.72	2610	589.56	2.49	3500	809.25	2.40
All India	77300	17216.04	100.00	105000	23718.09	100.00	146000	33757.23	100.00

Source: Electronics & Software Export Promotion Council

Table 2.80 Per Capita Capital Flows to West Bengal vis-à-vis Other States of India, 1999-2000 & 1997-2002

(Rs)

Major States	Per capita NSDP 1999-2000	Per capita public and private investment	Per capita plan outlay	Per capita institutional investment	Per capita total credit utilization	Per capita per annum externally aided projects (average 1997-2002)
West Bengal	15569	7113	710	662 (12)	3674 (10)	89
Andra Pradesh	14715	21447	1032	910 (6)	4668 (9)	221
Bihar	6328	2852	319	546 (15)	669 (17)	11
Chattisgarh	N.A	12209	631	32 (17)	1803 (13)	N.A
Goa	N.A	56057	3423	1821 (1)	14489 (2)	25
Gujarat	18685	33875	1285	720 (9)	5827 (7)	138
Haryana	21551	9201	861	827 (7)	5098 (8)	106
Jharkhand	N.A	9105	836	37 (16)	1759 (14)	N.A
Karnataka	16343	24775	1499	688 (11)	6420 (5)	125
Kerala	18262	12235	710	1173 (2)	5872 (6)	19
Madhya Pradesh	10907	7287	652	725 (8)	2528 (11)	62
Maharashtra	23398	17556	1120	660 (13)	14890 (1)	52
Orissa	9162	25525	627	1049 (4)	1706 (15)	118
Punjab	23040	12688	1244	1078 (3)	7707 (4)	68
Rajasthan	12533	6763	822	914 (5)	2419 (12)	35
Tamil Nadu	19141	26292	837	709 (10)	9194 (3)	83
Uttar Pradesh	9765	3304	293	619 (14)	1638 (16)	47

*Source:*Government of West Bengal, Planning and Development Department.

Table 2.81 Foreign Direct Investment in West Bengal vis-à-vis Other Major States of India, January 2008 to September 2008

State/Country	Number of approvals			Amount of foreign direct investment (FDI) approved ( )	Percentage to total FDI
	Total	Technical	Financial		
West Bengal	5	0	5	3660.46	27.19
Maharasthra	88	13	75	3165.92	23.51
Delhi	52	10	42	2277.49	16.92
Andhra Pradesh	17	2	15	1643.01	12.20
Gujarat	24	19	5	450.41	3.35
Karnataka	23	6	17	449.94	3.34
Tamil Nadu	28	12	16	108.00	0.80
Uttar Pradesh	6	3	3	99.92	0.74
Kerala	2	1	1	57.59	0.43
Rajasthan	4	0	4	56.00	0.42
All India	321	82	239	13463.50	100.00

Source: Department of Commerce and Industry, Government of West Bengal

Table 2.82 Production of Raw Silk and Silk Yarn in West Bengal vis-à-vis Other Major States of India, 2004-05

('000 kg)

State/Country	Raw silk					Silk yarn *		
	Mulberry silk	Non-mulberry silk			Total	Spun silk yarn	Noil yarn	Total
		Tasar	Eri	Muga				
West Bengal	1520	26	2	-	1548	-	-	-
Andhra Pradesh	5084	16	10	-	5110	-	-	-
Assam	9	-	554	104	667	-	-	-
Bihar	8	8	15	-	31	-	-	-
Gujarat	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-
Karnataka	7302	-	-	-	7302	352	70	422
Kerala	8	-	-	-	8	-	-	-
Madhya Pradesh	14	14	-	-	28	122	180	302
Maharashtra	37	5	-	-	42	-	-	-
Orissa	2	33	1	-	36	-	-	-
Punjab	4	-	-	-	4	12	-	12
Rajasthan	-	-	-	-	-	-	-	-
Tamil Nadu	443	-	1	-	444	14	-	14
Uttar Pradesh	10	2	-	-	12	-	-	-
All India	14620	322	1448	110	16500	500	250	750

Note: * Refers to production in public as well as private sector spun silk mills.
Source: Central Silk Board, Ministry of Textiles, Government of India

Table 2.83 Estimated Potential and Cumulative Achievement of Family Type Biogas Plants in West Bengal vis-à-vis the Whole of India, 2004-05

(Number of plants)

State/Country	Estimated potential	Cumulative achievement	2004-05	
		Up to 31-03-2004	Target	Achievement till 31.12.2004
West Bengal	695000	240136	11500	8735
All India	12049900	3667001	100000	43593
Per cent	5.77	6.55	11.50	20.04

Source: Ministry of Non-conventional Energy Sources, Annual Report 2004-05

Table 2.84 Share of Workers in Unorganized Manufacturing Sector in West Bengal vis-à-vis Other major States of India **(**Per cent of total State level manufacturing workers)

State/Country	Without DME			With DME		
	1989-90	1994-95	2000-01	1989-90	1994-95	2000-01
West Bengal	90.74	87.02	91.87	91.41	88.23	92.79
Andhra Pradesh	79.77	71.90	79.15	82.07	74.14	81.20
Assam	72.71	85.66	83.66	75.21	86.00	84.36
Bihar	87.52	90.05	92.67	88.20	90.58	92.95
Gujarat	64.90	65.55	63.41	75.19	76.05	72.88
Haryana	65.37	53.59	60.12	69.77	60.21	65.90
Karnataka	81.86	79.20	84.44	85.61	84.03	84.98
Kerela	82.00	63.87	75.86	86.33	69.83	80.28
Madhya Pradesh	80.44	79.83	87.23	82.30	81.13	88.28
Maharashtra	68.16	62.96	71.94	74.10	72.00	78.43
Orissa	95.04	95.36	95.57	95.20	95.45	95.69
Punjab	61.17	55.97	66.47	65.83	62.55	72.80
Rajasthan	85.49	80.12	85.37	86.76	81.20	86.72
Tamil Nadu	77.68	69.45	73.89	81.83	75.79	78.82
Uttar Pradesh	87.38	89.71	91.31	89.18	91.03	92.89
All India	82.40	66.91	83.52	84.83	70.91	85.50

Source: ASI and NSSO (respective years),
Note: DME: Directory Manufacturing Enterprises.

Table 2.85 Number of Unregistered Manufacturing Enterprises and Workers in West Bengal vis-à-vis Other Major States of India, 2005-06

State/Country	Estimated number of Enterprises	Percentage share of enterprises	Estimated number of workers	Percentage share of workers
West Bengal	2752793	16.13	5493833	15.08
Andra Pradesh	1533239	8.98	2938945	8.06
Assam	370781	2.17	632481	1.74
Bihar	772397	4.52	1453073	3.99
Chattisgarh	207481	1.22	458366	1.26
Gujarat	654358	3.83	1852132	5.08
Haryana	230110	1.35	544024	1.49
Jharkhand	585948	3.43	949345	2.61
Karnataka	961760	5.63	1974369	5.42
Kerala	658692	3.86	1391006	3.82
Madhya Pradesh	854559	5.01	1740646	5.78
Maharashtra	1126462	6.60	2901417	7.96
Orissa	957229	5.61	2023541	5.55
Punjab	293237	1.72	600810	1.65
Rajasthan	636470	3.73	1295335	3.55
Tamil Nadu	1481933	8.68	3369519	9.25
Uttar Pradesh	2359375	13.82	5287901	14.51
All India	17070821	100.00	36442799	100

Source: Operational Characteristics of Unorganized Manufacturing Enterprises, NSS 62 Round, July 2005 to June 2006

Table 2.86 Unorganized Manufacturing Enterprises in West Bengal vis-à-vis the Whole of India, 2005-06

States/ Country	Number of enterprises (hundred)		
	Rural	Urban	Total
West Bengal	22238	5290	28528
India	121283	49425	170708
Per cent	18.34	10.70	16.71

Source: N.S.S. 62 Round 2005-06

Table 2.87 Employment in Unorganized Manufacturing Enterprises in West Bengal vis-à-vis the Whole of India, 2005-06

States/ Country	No. of workers (hundred)		
	Rural	Urban	Total
West Bengal	41761	13177	54938
All India	234583	129845	364428
Per cent	17.80	10.15	15.08

Source: As in Table 2.86.

Table 2.88 Per 1000 Distribution of Unorganized Manufacturing Enterprises by Production Organization and Nature of Operation in West Bengal vis-à-vis the Whole of India, 2005-06

State/Country	OAME			NDME		
	Perennial	Seasonal	Casual	Perennial	Seasonal	Casual
West Bengal	957	26	17	977	20	2
All India	939	39	21	974	23	2
Difference	18	-13	-4	3	-3	0
State/Country	DME			All enterprises		
	Perennial	Seasonal	Casual	Perennial	Seasonal	Casual
West Bengal	985	15	0	960	25	15
All India	838	162	0	939	42	19
Difference	147	-147	0	21	-17	-4

Source: As in Table 2.86.

Table 2.89 Percentage Share of West Bengal in Rural, Urban, All (Rural + Urban) Unorganized Manufacturing Workers of India by Production Organization, 2005-06

State/Country	OAME		NDME		DME		All enterprises	
	Estimated number of workers	Percentage share	Estimated number of workers	Percentage share	Estimated number of workers	Percentage share	Estimated number of workers	Percentage share
Rural								
West Bengal	3418977	18.97	442775	18.57	314359	10.30	4176111	17.80
All India	18021308	100.00	2383977	100.00	3053600	100.00	23458286	100.00
Urban								
West Bengal	561106	9.90	376936	11.10	379680	9.68	1317722	10.15
All India	5665986	100.00	3395434	100.00	3923093	100.00	12984514	100.00
All (Rural + Urban)								
West Bengal	3980082	16.80	819711	14.18	694040	9.95	5493833	15.08
All India	23687294	100.00	5779412	100.00	6976094	100.00	36442799	100.00

Source: As in Table 2.86.

Table 2.90 Number Per 1000 of Unorganized Manufacturing Workers by Production Organization and Number of Working Hours in a Normal Day in West Bengal vis-à-vis the Whole of India, 2005-06

State/Country	Less than 4 hours	4-7 hours	8 hours and above	Less than 4 hours	4-7 hours	8 hours and above
	OAME			NDME		
West Bengal	40	514	446	5	190	805
All India	75	478	442	5	159	833
State/Country	DME			All enterprises		
West Bengal	6	84	908	30	411	558
All India	1	74	923	50	350	596

Source: As in Table 2.86.

Table 2.91 Number per 1000 of Rural Unorganized Manufacturing Enterprises by Production Organization and Nature of Problems Faced in West Bengal vis-à-vis the Whole of India, 2005-06

State/Country	Production organization	Problems faced						
		No specific problem	Non-availability of electricity	Power cut	Shortage of capital	Non-availability of raw materials	Marketing of products	Competition from larger enterprises
West Bengal	OAME	193	368	82	550	99	173	138
All India		320	146	102	420	160	193	135
West Bengal	NDME	97	144	233	738	81	322	236
All India		219	104	261	516	124	209	203
West Bengal	DME	18	105	300	706	77	347	281
All India		363	76	230	350	141	185	167
West Bengal	All Enterprises	184	351	94	563	98	184	146
All India		314	142	115	424	157	194	140

Source: As in Table 2.86.

Table 2.92 Number per 1000 of Urban Unorganized Manufacturing Enterprises by Production Organization and Nature of Problems Faced in West Bengal vis-à-vis the Whole of India, 2005-06

State/Country	Production organization	Problems faced						
		No specific problem	Non-availability of electricity	Power cut	Shortage of capital	Non-availability of raw materials	Marketing of products	Competition from larger enterprises
West Bengal	OAME	203	71	93	550	87	183	248
All India		388	33	154	391	97	120	165
West Bengal	NDME	78	29	233	744	85	234	384
All India		224	29	360	480	72	138	268
West Bengal	DME	72	26	324	686	52	199	357
All India		229	26	393	398	87	150	273
West Bengal	All enterprises	165	58	141	603	84	195	286
All India		341	32	217	410	91	130	196

Source: As in Table 2.86.

Table 2.93 Number per 1000 of All Unorganized Manufacturing Enterprises by Production Organization and Nature of Problems Faced in West Bengal vis-à-vis the Whole of India, 2005-06

State/Country	Production organization	Problems faced						
		No specific problem	Non-availability of electricity	Power cut	Shortage of capital	Non-availability of raw materials	Marketing of products	Competition from Larger enterprises
West Bengal	OAME	194	322	83	550	98	175	155
All India		336	199	115	413	145	176	143
West Bengal	NDME	88	90	233	741	83	281	305
All India		222	61	318	496	94	180	240
West Bengal	DME	49	60	313	695	63	263	325
All India		282	46	328	379	109	164	231
West Bengal	All Enterprises	181	294	103	571	95	186	173
All India		322	110	144	420	138	175	156

Source: As in Table 2.86.

Table 2.94 Number per 1000 of Unorganized Manufacturing Enterprises by Region and Type of Contract in West Bengal vis-à-vis the Whole of India, 2005-06

State/Country	Not working on contract	Working on contract		
		Solely	Mainly but also for other customers	But mainly for customers
Rural				
West Bengal	482	477	22	19
All India	696	267	17	21
Urban				
West Bengal	349	544	67	41
All India	653	275	46	26
All region (Rural + Urban)				
West Bengal	459	490	31	23
All India	683	269	26	22

Source: As in Table 2.86.

Table 2.95 Number per 1000 of Rural Own Account Manufacturing Enterprises (OAME), Non Directory Manufacturing Enterprises (NDME), Directory Manufacturing Enterprises (DME) by Type of Assistance Received in West Bengal vis-à-vis the Whole of India, 2005-06

State/ Country	Received no assistance	Type of assistance received							
		Loan		Subsidy	Machinery/ equipment	Training	Marketing of products	Procurement of raw materials	Others
		Insti-tutional	Non-institutional						
OAME									
West Bengal	959	8	17	1	2	3	1	3	9
All India	948	18	15	1	3	3	1	6	9
NDME									
West Bengal	844	87	35	5	0	11	6	1	13
All India	801	131	53	5	4	7	5	1	23
DME									
West Bengal	776	128	120	0	0	0	2	17	12
All India	674	237	91	7	2	3	2	2	26
All type unorganized manufacturing enterprises									
West	949	14	20	1	2	3	1	3	9

Bengal									
All India	933	30	19	2	3	4	2	5	10

Source: As in Table 2.86.

Table 2.96 Number per 1000 of Urban Own Account Manufacturing Enterprises (OAME), Non-Directory Manufacturing Enterprises (NDME), Directory Manufacturing Enterprises (DME) by Type of Assistance Received in West Bengal vis-à-vis the Whole of India, 2005-06

State/ Country	Received no assistance	Type of assistance received							
		Loan		Subsidy	Machinery/ equipment	Training	Marketing of products	Procurement of raw materials	Others
		Institutional	Non-institutional						
OAME									
West Bengal	964	5	18	0	1	2	3	6	6
All India	937	24	25	1	2	4	2	1	9
NDME									
West Bengal	829	56	102	0	4	0	4	4	7
All India	822	96	70	2	2	3	6	4	22
DME									
West Bengal	728	183	89	1	0	0	4	4	0
All India	719	197	86	5	1	1	3	5	27
All type unorganized manufacturing enterprises									
West Bengal	917	30	42	0	2	2	3	1	6
All India	895	53	40	1	2	4	3	2	13

Source: As in Table 2.86.

Table 2.97 Number per 1000 of All Own Account Manufacturing Enterprises (OAME), Non Directory Manufacturing Enterprises (NDME), Directory Manufacturing Enterprises (DME) by Type of Assistance Received in West Bengal vis-à-vis the Whole of India, 2005-06

State/ Country	Received no assistance	Type of assistance received							
		Loan		Subsidy	Machinery/ equipment	Training	Marketing of products	Procurement of raw materials	Others
		Institutional	Non-institutional						
OAME									
West Bengal	959	8	17	1	2	3	1	3	8
All India	946	19	18	1	3	4	1	5	9
NDME									
West Bengal	837	73	66	3	2	6	5	3	10
All India	813	111	63	3	3	4	5	3	23
DME									
West Bengal	749	160	102	1	0	0	3	1	6
All India	701	213	88	6	2	2	2	3	4
All type unorganized manufacturing enterprises									
West	943	17	24	1	2	3	1	3	8

Bengal									
All India	922	36	25	2	3	4	2	4	11

Source: As in Table 2.86.

Table 2.98 Per 1000 Distribution of Unorganized Manufacturing Enterprises by Region and Growth Status in West Bengal, 2005-06

State/Country	Growth status				
	Expanding	Stagnant	Contracting	Not applicable	nr
Rural					
West Bengal	253	448	170	128	1
All India	190	554	146	109	1
Urban					
West Bengal	213	438	195	153	1
All India	192	492	170	145	1
All region (Rural + Urban)					
West Bengal	245	446	174	133	1
All India	191	536	153	120	1

Source: As in Table 2.86.

Table 2.99 Per 1000 Distribution of Unorganized Manufacturing Enterprises by Region and Production Organization and Number of Months Operated during 365 Days in West Bengal vis-à-vis the Whole of India, 2005-06

State/Country	OAME				NDME			
	0-3 months	4 to 6 months	7 to 9 months	More than 9 months	0-3 months	4 to 6 months	7 to 9 months	More than 9 months
Rural								
West Bengal	30	36	148	785	32	48	59	861
All India	37	68	104	791	52	54	51	842
Urban								
West Bengal	20	60	106	815	11	25	30	934
All India	25	50	57	867	25	35	31	909
All region (Rural + Urban)								
West Bengal	29	40	142	790	22	38	46	895
All India	34	68	93	809	37	43	39	880
	DME				All type enterprises			
Rural								
West Bengal	14	55	52	880	30	37	141	791
All India	218	214	64	504	42	70	100	788
Urban								
West Bengal	21	10	50	920	18	48	85	849
All India	35	43	40	882	26	47	50	877
All region (Rural + Urban)								
West Bengal	18	29	51	903	28	40	131	802
All India	108	111	50	731	38	63	86	813

Source: As in Table 2.86.

Table 2.100 Per 1000 Distribution of Unorganized Manufacturing Enterprises Working on Contract by (i) Source of Equipment, (ii) Source of Raw Materials, and (iii) Specification of Design in West Bengal vis-à-vis the Whole of India by Region, 2005-06

State/ Country	Source of equipment				Source of Raw Materials				Specification of design		
	Self procured	Supplied by master enterprise/ contractor	Both	Nr	Self procured	Supplied by master enterprise/ contractor	Both	nr	Yes	No	nr
Rural											
West Bengal	811	122	66	0	36	873	91	0	972	28	0
All India	804	154	36	6	43	897	59	1	946	53	1
Urban											
West Bengal	893	80	23	4	67	798	131	5	962	34	5
All India	835	141	18	5	93	798	107	3	949	50	2
All region (Rural + Urban)											
West Bengal	830	113	56	1	43	856	100	1	969	29	1
All India	814	150	30	5	59	865	74	2	947	52	1

Source: As in Table 2.86.

Table 2.101 Per 1000 Distribution of Unorganized Manufacturing Enterprises by Region and Other Economic Activities and Major Source of Annual Income of Owner of the Enterprise (for proprietary & partnership enterprises) in West Bengal vis-à-vis the Whole of India, 2005-06

State/Country	Rural owner pursuing single activity	Owner having multiple activity					
		Major income received from survey enterprise	Percentage of income from survey enterprise				
			<=10	11-20	21-30	31-40	41-50
Rural							
West Bengal	740	126	22	25	38	35	14
All India	646	139	27	42	65	54	26
Urban							
West Bengal	890	65	6	11	15	11	2
All India	902	47	6	10	14	13	6
Total							
West Bengal	768	114	19	22	34	31	12
All India	720	112	21	33	51	42	20

Source: As in Table 2.86.

Table 2.102 Per 1000 Distribution of Workers in Unorganized Manufacturing Enterprises by Region and Other Economic Activities and Major Source of Annual Income of Owner of the Enterprise (for proprietary & partnership enterprises) in West Bengal vis-à-vis the Whole of India, 2005-06

State/ Country	Workers pursuing single activity	Worker having multiple activity					
		Major income received from survey enterprise	Percentage of income from survey enterprise				
			<=10	11-20	21-30	31-40	41-50
Rural							
West Bengal	723	146	19	18	37	40	17
All India	634	157	25	37	61	58	29
Urban							
West Bengal	891	69	4	9	13	11	3
All India	907	50	5	9	11	12	7
Total							
West Bengal	763	128	15	16	31	33	14
All India	731	119	18	27	43	41	21

Source: As in Table 2.86.

Table 2.103 Per 1000 Distribution of Unorganized Manufacturing Enterprises Whose Owners' Major Source of Annual Income was from Other Economic Activities by Region and Type of Economic Activities of the Owner in West Bengal vis-à-vis the Whole of India, 2005-06

State/Country	Agriculture, hunting, forestry, fishing, mining & quarrying	Manufacture, gas, clean & hot water supply, construction	Wholesale & retail trade	Other services sector activities	Nr
Rural					
West Bengal	744	109	101	31	15
All India	821	70	44	28	37
Urban					
West Bengal	195	305	249	162	90
All India	278	266	216	172	68
Total					
West Bengal	703	124	112	41	20
All India	774	87	59	40	39

Source: As in Table 2.86.

Table 2.104 Production of Handloom Goods in West Bengal vis-à-vis the Whole of India, 1980-81 to 2005-06

(Million sq. meters)

Year	India	Index	West Bengal	Index	Per cent
1980-81	3109	100	285	100	9.17
1981-82	3046	98	305	107	10.01
1982-83	3234	104	307	108	9.49
1983-84	3429	110	365	128	10.64
1984-85	3639	117	370	130	10.17
1985-86	4135	133	372	131	9
1986-87	4305	138	383	134	8.9
1987-88	4370	141	390	137	8.92
1988-89	3993	128	399	140	9.99
1989-90	3924	126	414	145	10.55
1990-91	4295	138	432	152	10.06
1991-92	4123	133	445	156	10.79
1992-93	5219	168	447	157	8.56
1993-94	5851	188	443	155	7.57
1994-95	6180	199	400	140	6.47
1995-96	7202	232	401	141	5.57
1996-97	7456	240	439	154	5.89
1997-98	7603	245	439	154	5.77
1998-99	6792	218	440	154	6.48
1999-00	7352	236	440	154	5.98
2000-01	7506	241	679	238	9.05
2001-02	7585	244	650	228	8.57
2002-03	5980	192	1204	422	20.13
2003-04	5493	177	1192	418	21.7
2004-05	5722	184	1081	379	18.89
2005-06	6108	196	1080	379	17.68

Source: Government of West Bengal, *Economic Review*, Bureau of Applied Economics and Statistics (BAES).

2.5 Infrastructure

World Development Report 1994 focuses on importance of infrastructure for socio-economic development. This section presents database of different aspects of infrastructure development in West Bengal, namely energy, power and fuel, housing, road transport and communication, tourism, education, health, commercial and cooperative banking and small savings.

Energy, power and fuel: During 2004-05 the State accounted for 4.07 per cent of total installed capacity of electric power of the country, while hydro electricity generated accounted for only 0.52 per cent and electricity produced by steam 6.65 per cent, gross hydroelectricity generated 0.63 per cent and gross steam electricity generated 5.74 per cent. West Bengal accounted for 4.19 per cent of gross electricity generated in the whole country during 2004-05, while the net electricity generated accounted for 4.07 per cent. The electricity consumption of the State constituted 4.94 per cent of that of the whole country. The percentage of villages electrified (84.80 per cent) was above that of the whole country (74.10 per cent). During 2006-07 West Bengal as well as the whole of India was deficit in power position, the percentage of deficit in the former was lower than that of the latter. In 2001, 37.5 per cent of the rural households in West Bengal was electrified. Percentage of households having electricity facility in West Bengal was far lower than that of India as a whole during 1991 to 2000-01. Percentage of rural households using electricity as primary source of energy in West Bengal in 2001 was 20.27 as against 43.52 in India as a whole. Percentage of rural households using firewood residue for cooking in West Bengal in 2001 was 37.34, which was less than 64.1 for India as a whole while that using cropcake in the former was lower than that in the latter (Table 2.105 to Table 2.112).

Housing: Percentage of households living in pucca houses registered increase in West Bengal marginally but in India as a whole that increased appreciably during 1993-94 to 2000-2001. During this period percentage of households living in kutcha houses increased substantially in West Bengal while that declined in India as whole. During 1994-95 to 2004 percentage of rural households on ownership basis increased in both West Bengal and India as a whole. During 2000-2001 percentages of rural households living in independent house and flat in West Bengal were less than those in India as whole (Table 2.113 to Table 2.115).

Road and Water Transport: Roads, railways and airways have in the modern age registered tremendous growth. West Bengal accounted for 3.71 per cent of total road length and 3.49 per cent of the surface road length of the whole country on 31st March, 2002. Road length per 100 sq. km. in the State was 103.69 km. as against 388.16 km. in Kerala. In respect of highways and project roads West Bengal had the relatively low percentage share. Upto May 2006, 53.61 per cent of the roads taken up under Prime Minister Gram Sadak Yojana (PMGSY) was completed, which was lower than the all India figure of 59.94 per cent (Table 2.116 to Table 2.118). Rural telecom services and number of post offices etc in West Bengal vis-à-vis the whole of India are shown in Table 2.119 and 2.120.

In the planned era of India importance of water transport has declined relatively**.** Water transport appears, however, to be really cost-efficient relative to railways and roads over long routes for movement of cargo. In 1990 the tonne-kilometre operational cost worked out to be approximately in the ratio of 1:1.5:2 for waterways, railways and roads respectively (Sengupta 1980). So far as port traffic in India is concerned it is observed that share of Kolkata Port in import traffic of all Major Ports of India in 1980-81 was 15.13 per cent, which declined to 12.43 per cent in 2007-08 while that in export traffic recorded increase from 6.83 per cent to 8.75 per cent during this period (Table 2.121). During the six-year period from 2001-2002 to 2007-2008 Kolkata port increased its cargo volume by 26.926 million tonnes (88.6 per cent) against 80.5 per cent growth of traffic registered by Indian Major Ports during this period. Compound annual growth rate (CAGR) of total traffic handled at Kolkata Port during this period was 11.2 per cent against the growth of 10.3 per cent registered by all Major Ports of India. Traffic by broad category of cargo (dry bulk, liquid bulk, break bulk, and container) handled by Kolkata-Haldia Port vis-à-vis Other Major Ports of India during 2006-07 and 2007-08 is shown in Table 2.122 and that of cargo by selected commodities handled by Kolkata-Haldia Port vis-à-vis other Major Ports of India during 2006-07 is shown in Table 2.123. Overseas and coastal traffic of cargo handled by Kolkata-Haldia Port vis-à-vis other Major Ports of India during 2006-07 and 2007-08 is shown in Table 2.124 and container traffic of cargo handled by Kolkata-Haldia port vis-à-vis other Major Ports of India during 2003-04 to 2007-08 is shown in Table 2.125.

Tourism: Share of West Bengal in foreign tourist arrivals during 2004 to 2006 was around 9 per cent while that of domestic tourists arrival was was around 4 per cent (Table 2.126). Estimated domestic and foreign tourist arrivals in West Bengal and other major states of India recorded significant increase during 2004 to 2006 (Appendix Table A 4).

Education: During 2004-05, West Bengal ranked fifth (5th) in primary/ junior basic institutions among the major States of India following Uttar Pradesh, Andhra Pradesh and Rajasthan. Number of scholars at the primary

stage of school education during 2003-04 in West Bengal was 1.03 crores and the State ranked third (3rd) following Uttar Pradesh and Maharashtra; in respect of women scholars in primary stage the State also ranked third (3rd) among the States of India. During 2003-04 gross enrolment at the upper primary level in West Bengal was 64.3 per cent which was higher than the all India figure of 62.4 per cent. The State recorded in this year gross enrolment ratios in both upper primary (11-14 years) and secondary levels much lower than that of Andhra Pradesh, Karnataka and Kerala though it was marginally above that of India as a whole (62.4 per cent) in upper primary, but in secondary level this ratio of West Bengal (32.6 per cent) was much below the ratio of the whole of India (38.9 per cent). Share of West Bengal in student enrolment varied between 6 per cent and 7 per cent at primary, middle and secondary stages of education during 2004-05. Drop out rates for both boys and girls at all stages of education – Class I-V, Class I-VII and Class I-X in West Bengal were higher than those in India as a whole during 2004-05, girls' dropouts in Class I-X being 80.34 per cent against 63.88 per cent in India as a whole (Table 2.127 to Table 2.129).

Number of scholars in general education nursery (pre-primary / pre-basic), primary, middle and high / higher secondary schools is shown in Table 2.130. Percentage distribution of males of age 5-29 years by status of current attendance in rural and urban areas in West Bengal vis-à-vis the whole of India during 2004-2005 shows that this percentage in West Bengal was lower than that of India as a whole while for females the percentage was higher in the state than the all-India average (Table 2.131 & Table 2.132).

Health: West Bengal ranked third in respect of number of hospitals following Maharshtra and Karnataka and second next to Maharashtra in respect of beds of all types in 2005. West Bengal accounted for 4.12 per cent of PHCs, 7.13 per cent of sub-centres and 8.55 per cent of CHCs in 2007 (Table 2.133 & Table 2.134).

During 1991 to 2005 the state ranked 4th in respect of number of doctors possessing recognized medical qualifications (under I.M.C. Act) and registered with State Medical Councils following Maharashtra, Tamil Nadu, and Karnataka (Table 2.135).

During 2004 the state ranked 9th in respect of number of general nursing midwives, 2nd in respect of number of auxiliary nursing midwives following Andhra Pradesh and 1st in respect of health visitors and health supervisors followed by Tamil Nadu and Kerala (Table 2.136).

Percentage of households having tap source of drinking water in West Bengal was far lower than that of India as a whole during 2002. In the State 20 per cent of the rural households had to fetch water from far away, 84 per cent was without having home drainage system and 73 per cent was having no latrine. In West Bengal 14.4 per cent of the villages was having drainage system during 2002, which was less than 30.0 per cent for India as a whole. In West Bengal during 2003, 37.1 per cent of live births were institutional, which was higher than the all India figure of 28.3 per cent (Table 2.137 to Table 2.142).

Commercial and cooperative banking and small savings: During 1991 to 2008, number of scheduled commercial bank offices in West Bengal increased from 4212 to 4892 recording annual increase of 0.95 per cent which was less than the all India average of 1.52 per cent. Percentage share of West Bengal in total number of commercial bank offices registered decline from 6.97 per cent to 6.44 per cent during this period (Table 2.143). Number of scheduled commercial bank branch offices per lakh population in West Bengal registered marginal decline of 6.19 to 6.10, while that in India as a whole recorded marginal increase from 7.14 to 7.39 during 1991 to 2008 (Table 2.144). Percentage of advances to deposits of scheduled commercial banks in West Bengal during 2007 was 60.3 which was less by 13.1 percentage point than that of the whole of India. During 2008, West Bengal ranked ninth (9th) in respect of percentage of advances to deposits (59.29 per cent) while Tamil Nadu ranked first (1st) in this respect (111.8 per cent) (Table 2.145). In 2000-01, West bengal accounted for 6.59 per cent in number of cooperative societies and 2.67 per cent in number of members of the whole of India (Table 2.146).

In Table 2.147 are shown number, membership and financial position (share capital, reserves deposits, working capital and loans of State Co-Operative Banks in West Bengal vis-à-vis Other Major States of India during 2000-01. And in Table 2.148 are shown number, membership and financial position (share capital, reserves deposits, working capital and loans of Central Co-Operative Banks in West Bengal vis-à-vis Other Major States of India during 2000-01.The State accounted for 11 per cent to 18 per cent of net savings collection of the whole of India during 2002-03 to 2006-07 (Table 2.149).

Table 2.105 Installed Capacity, Gross Energy Generated, Energy Sold and Per Capita Consumption of Energy in West Bengal vis-à-vis Other Major States of India, 2004-05 & 2005-06

State/Country	Installed capacity (utilities only) (1000 kw)		Gross energy generated (utilities only) (million kwh)		Total energy sold to ultimate consumers (utilities only) (million kwh)		State annual per capita * consumption (utilities & non-utilities only) (kwh)	
	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06
West Bengal	4788	4727	24888	25655	19087	20957	238 (11)	249 (11)
Andhra Pradesh	8072	8860	37305	36449	38678	39829	508(6)	504(6)
Assam	622	622	903	943	1838	2203	69(14)	78(14)
Bihar	598	629	207	194	3952	4022	48(15)	45(15)
Gujarat	7679	8047	44231	44311	36684	37092	730(2)	690(3)
Haryana	2546	2560	9847	13154	13807	15426	653(4)	685(4)
Karnataka	5935	6529	23515	24857	24781	25702	469(7)	466(7)
Kerala	2242	2287	6515	7626	9348	10190	294 (9)	308(8)
Madhya Pradesh	3324	3795	15975	16512	21704	19371	285(10)	298(9)
Maharashtra	13369	13838	67078	67154	51489	58732	572(5)	575(5)
Orissa	2320	2345	10308	8351	7815	8104	212(12)	211(12)
Punjab	4629	4750	21678	25248	22526	24261	925(1)	967(1)
Rajasthan	3814	3866	20986	23193	16682	18014	295(8)	296(10)
Tamil Nadu	8315	9419	3230	34165	41286	44516	662(3)	691(2)
Uttar Pradesh	4706	4924	20911	20656	27940	30374	168(13)	170(13)
All India	118426	124287	594473	623820	366764	411887	375	378

Source: Centre for Monitoring Indian Economy (CMIE)
Note: Figures within parentheses indicate respective ranks.

Table 2.106 Sales of Electricity (Utilities) by Type of Consumption in West Bengal vis-à-vis Other Major States of India (As on 31st March, 2004) (million KWH)

State/Country	Domestic	Commercial	Low and medium tension	High tension	Railways	Agriculture	Public services	All other consumers
West Bengal	5485.38	2183.68	1534.87	6069.39	824.09	785.39	644.00	288.97
Andhra Pradesh	7511.36	1675.47	2237.77	6826.81	1131.89	13448.19	1026.00	308.01
Assam	696.68	229.45	124.44	512.69	-	50.49	76.00	231.18
Bihar	1137.85	284.10	134.88	648.66	276.31	1028.74	212.00	8.19
Gujarat	5004.31	1834.14	5330.74	9962.74	420.00	14360.58	922.00	136.71
Haryana	2605.72	656.21	950.72	2289.11	209.18	5513.76	203.00	487.65
Karnataka	4462.13	1616.15	1411.80	4656.66	-	8992.48	1855.00	148.96
Kerala	4014.20	1204.27	769.26	2290.60	47.41	188.09	393.00	185.91
Madhya Pradesh	3377.26	699.77	670.17	3700.55	1267.29	5582.97	598.00	12.00
Maharashtra	12459.69	4936.57	4724.05	15238.58	1748.92	10572.01	2125.00	18.75
Orissa	2627.42	518.08	263.30	2815.36	251.02	180.76	179.00	322.20
Punjab	5138.85	1234.93	2119.16	6474.32	71.60	6242.86	358.00	485.15
Rajasthan	3132.62	983.30	1324.20	3394.89	237.18	4274.37	965.00	379.25

Tamil Nadu	9895.00	2692.00	4482.00	10780.21	430.00	9382.00	1080.00	499.00
Uttar Pradesh	9753.94	3040.24	1293.01	3803.21	586.79	4951.63	912.00	2319.27
All India	89735.78	28201.49	32815.40	91757.68	9210.11	87089.25	13645.00	8482.49

Source: Centre for Monitoring Indian Economy (CMIE)

Table 2.107 Percentage of Villages Having Electricity Connection in West Bengal vis-à-vis the Whole of India, 2002

State/Country	Villages having electricity	Street lights only	Household use only	Agricultural purpose only	Industrial purpose only	Two or more purposes	Not recorded
West Bengal	73.7	4.7	39.1	1.6	1.2	53.4	-
All India	77.6	2.3	23.6	2.9	1.6	67.9	1.6

Source: NSSO, *Report on Village Facilities, Report No. 487*, 58th Round (July – December, 2002), December 2003.

Table 2.108 Percentage of Villages Electrified in West Bengal vis-à-vis the Whole of India, 1995 to 2005

States/ Country	1995	2000	2002	2003	2004	2005
West Bengal	76.6	78.0	80.5	82.7	83.6	84.8
All India	86.0	86.3	86.7	83.8	84.3	74.1

Source: Central Electricity Authority, Government of India

Notes: As per latest definition of village electrification notified by Government of India in 1997, there has been a downward revision from earlier figures for village electrification. As a result, the percentage had declined for all India.

Table 2.109 Power Supply Position and Peak Demand /Peak Availability in West Bengal vis-à-vis the Whole of India, 2006-07

State/Country	April 2006-March 2007				April 2006-March 2007			
	Energy (in MUs)				Peak (in MWs)			
	Requirement	Availability	Surplus/ deficit(-)	(per cent)	Requirement	Availability	Surplus/ deficit(-)	(Per cent)
	(MU)	(MU)	(MU)		(MW)	(MW)	(MW)	
West Bengal	26836	25800	-972	-2.2	4784	4089	-115	-2.4
All India	690507	624486	-66082	-9.6	100715	86018	-13897	-13.8

Source: Central Electricity Authority (CEA), Government of India

Table 2.110 Percentage of Households Having Electricity Facility in West Bengal vis-à-vis the Whole of India, 1991 to 2001

State/Country	1991			NSS 51st round (July 1994 – June 1995)		NSS 56th round (July 2000 – June 2001)	
	Rural	Urban	Total	Rural	Urban	Rural	Urban
West Bengal	17.75	70.19	32.90	11.2	71.4	10.50	56.7
All India	30.54	75.78	42.37	37.1	82.8	37.90	82.8

Notes: 1. All India figures exclude Jammu & Kashmir in 1991

2. NSS 51st Round has the reference period as July 1994 –June 1995.

Source: CSO, Statistical Abstract India 2002.

Table 2.111 Percentage Distribution of Rural Households Using Different Types of Primary Source of Energy Used for Lighting in West Bengal vis-à-vis the Whole of India, 2001

State/Country	Source of lighting					
	Electricity	Kerosene	Solar energy	Other oil	Any other	No lighting

West Bengal	20.27	79.19	0.31	0.04	0.1	0.09
All India	43.52	55.61	0.29	0.11	0.16	0.31

Source: G.O.I, *Census of India 2001, Tables on Houses, Household Amenities and Assets, India*

Table 2.112 Percentage Distribution of Rural Households Using Different Types of Fuels for Cooking in West Bengal vis-à-vis the Whole of India, 2001

State/Country	Firewood residue	Cropcake	Type of fuel used for cooking							No cooking
			Cow dung, lignite, charcoal	Coal	Kerosene	LPG	Electricity	Biogas any other		
West Bengal	37.34	30.55	16.27	6.29	0.56	2.33	0.18	0.19	5.63	0.65
All India	64.1	13.1	12.8	1.07	1.62	5.67	0.13	0.47	0.82	0.22

Source: G.O.I, *Census of India* 2001, *Tables of Houses, Household Amenities and Assets, India.*

Table 2.113 Percentage Distribution of Households Living in Pucca, Semi-Pucca and Kutcha House in West Bengal vis-à-vis the Whole of India, 2000-01

State/Country	NSS 50th round (July 1993-June 1994)			NSS 51st round (July 1994-June 1995)			NSS 56th round (July 2000-June 2001)		
	Pucca	Semi-pucca	Kutcha	Pucca	Semi-pucca	Kutcha	Pucca	Semi-pucca	Kutcha
West Bengal	15.6	38	46.4	14.4	32	53.6	16.6	36.3	52.2
All India	29.2	38.1	32.7	29.6	37.9	32.4	38.4	31.6	30

Source: Central Statistical Organisation (CSO), *Statistical Abstract India* 2002

Table 2.114 Percentage Distribution of Rural Households by Type of Occupancy in West Bengal vis-à-vis the Whole of India

State/Country	NSS 51st round (July 1994-.-June 1995)			NSS 60th round (Jan.-June 2004)		
	Owner	Hired	Others	Owner	Hired	Others
West Bengal	94.5	1.6	3.8	96.5	1.3	2.2
All India	93.4	3.9	2.7	94.5	3.4	2.1

Source: NSSO, *Household Consumer Expenditure in India*, NSS 60th Round (January-June 2004)

Table 2.115 Percentage Distribution of Rural Households by Type of Dwellings in West Bengal vis-à-vis the Whole of India, 2000-01

State/Country	NSS 56th round (July 2000-June 2001)		
	Independent house	Flat	Chawl/baste
West Bengal	83	2.2	14.8
All India	87	3.1	10
Difference	-4	-0.9	4.8

Source: CSO, *Statistical Abstract India 2002*

Table 2.116 Total and Surfaced Road Length in West Bengal vis-à-vis the Whole of India, 2002 (as on 31st March)

(Km)

States/ Country	Total	Surfaced
West Bengal	92023	49517

All India	2483344	1420489
Per cent	3.71	3.49

Source: *Basic Road Stastistics of India, 1999-2002*

Table 2.117 Road Length in Relation to Area in West Bengal vis-à-vis Other Major States of India, 2002-03

States/ Country	Road lengths (Kms)	Area (Sq. kms)	Road lengths per 100 sq km area (Kms)	Rank
West Bengal	92023	88752	103.69	6
Kerala	150851	38863	388.16	1
Tamil Nadu	166061	1330058	127.68	3
Andhra Pradesh	196172	2750455	71.32	10
Gujarat	1376172	196024	70.20	11
Orissa	237034	155707	152.23	2
Punjab	61530	50362	122.18	4
Uttar Pradesh	248481	240928	103.13	6
Assam	89486	78438	114.09	5
Bihar	76065	94163	80.78	8
Haryana	28203	44212	63.79	12
Karnataka	152599	191791	79.57	9
Madhya Pradesh	160968	308255	52.22	13
Maharashtra	267452 ®	307713	86.92	7
Rajasthan	132482	342239	38.71	14

Source: Basic Road Stastistics of India, 1999-2002

Table 2.118 Length of Roads by Categories and Authorities in West Bengal vis-à-vis the Whole of India, 2002
(as on March 31) (Kms)

Category/ Authority	West Bengal	India	Per cent
A. Highways	60475	1981409	3.05
P.W.D. Roads	17996	921248	1.95
i) National Highways	1898	58112	3.27
ii) State Highways	3533	137711	2.57
iii) Other PWD Roads	12565	725425	1.73
B. Panchayat Raj Roads	42479	1060161	4.01
i) Zilla Parishad Roads	42479	499462	8.50
ii) Village Panchayat Roads	---	412595	…
iii) CD/ Panchayat Samity Roads	…	148104	…
C.Urban Roads	24783	250122	9.91
i) Municipal Roads	22453	226706	9.90
ii) Military Engineering Services Roads	941	11918	7.90
iii) Railway Roads	1241	10325	12.02

iv)Port Roads	148	1173	12.62

Table 2.118 (continued)

Category/ Authority	West Bengal	India	Per cent
D. Project Roads	6172	225116	2.74
i) Forest Department	4345	130346	3.33
ii) Irrigation Department	1271	61627	2.06
iii) Electricity Department	348	4369	7.97
iv) Steel Authority	486	2470	19.68
v) Coal Mines Authority	262	2985	8.78
vi) Sugarcane Development Authority	…	23319	…
Total (A+B+C)	91970	2456647	3.74
Length of roads per sq.km. of area (Km.)	1.04	0.75	138.67

Source: Government of West Bengal, *Statistical Handbook* 2007.

Table 2.119 Rural Telecom Services in West Bengal vis-à-vis the Whole of India, 2004-05 & 2005-06

(as on June 30)

State/Country	Direct exchange lines (t)	Villages covered by VpTs	Percentage of villages covered	Rural teledensity per 100 population	
				2004-05	2005-06
West Bengal	295464	37306	97.31	1.04	1.05
All India	6687136	503617	82.9	1.73	1.74

Source: CMIE, *Infrastructure*, 2004 and 2005

Table 2.120 Number of Post Offices, Letter Boxes and Postal Articles, 2004-05 (Excluding Money Orders)

State/Country	Number of		Distance over Which mails carried. (km.)	Estimated number of postal articles handled (excluding money orders) ('000)
	Post offices	Letter boxes		
West Bengal (7)	9063	40261	2502721	405198
Andhra Pradesh	16191	52952	1782940	735711
Assam	4006	17423	645149	285472
Bihar (8)	12103	37518	537151	287071
Delhi	577	3360	3466280	210413
Gujarat (1)	8985	28513	1449949	581727
Haryana	2649	8945	49101	802171
Jammu & Kashmir	1690	4796	126248	41547
Karnataka	9877	34136	1277850	366075
Kerala (2)	5082	20139	2619335	866495
Madhya Pradesh (9)	11470	37828	855593	270007
Maharashtra (3)	12961	51661	5336442	933028
Orissa	8161	26532	159360	204333
Punjab (5)	3960	15300	540411	228861
Rajasthan	10442	29180	544009	215155
Tamil Nadu (6)	12196	59825	4407667	826620
Uttar Pradesh (10)	20379	101519	1338870	608109

All India	155516	584006	28546664	7360358

Source: Department of Posts, Ministry of Communications & IT

Notes: (1) Including Daman, Diu and Dadar & Nagar Haveli, (2) Including Lakshadweep, (3) Including Goa, (5) Including Chandigarh, (6) Including Pondicherry and Mahe, (7) Including Sikkim and Andaman & Nicobar Islands, (8) Including Jharkhand, (9) Including Chhattisgarh, (10) Including Uttaranchal.

Table 2.121 Share of Kolkata Port in Imports and Exports of all Major Ports in India, 1980-81 to 2004-05

Year	Imports ('000 tonnes)		Exports ('000 tonnes)		Share of kolkata port (per cent)	
	Kolkata	All major ports	Kolkata	All major ports	Import	Export
1980-81	6988	46816	2284	33454	15.13	6.83
1981-82	6763	48391	2711	39589	13.98	6.85
1982-83	6984	51684	3260	42049	13.51	7.75
1983-84	6864	52204	3150	44172	13.15	7.13
1984-85	6971	55334	3289	50489	12.61	6.51
1985-86	8657	67974	3471	51639	12.74	6.72
1986-87	8192	66940	3880	57426	12.24	6.76
1987-88	8836	73342	4235	61260	12.05	6.91
1988-89	9695	81310	4528	65751	11.12	6.89
1989-90	9756	80856	4933	66719	12.07	7.39
1990-91	10416	85088	4537	66577	12.24	6.81
1991-92	11253	86569	4747	70075	13.00	6.77
1992-93	12915	97922	5422	67939	13.19	7.98
1993-94	12210	100246	6290	78773	12.18	7.98
1994-95	14080	113201	6450	82689	12.44	7.80
1995-96	15120	126648	6390	88560	11.94	7.22
1996-97	16230	139207	6890	87762	11.66	7.85
1997-98	19660	142650	8500	94660	13.78	8.98
1998-99	21560	153041	7820	91156	14.09	8.58
1999-00	24950	163432	6018	87651	15.27	6.87
2000-01	20433	160480	6763	102489	12.73	0.66
2001-02	21105	161138	7431	111029	13.10	5.79
2002-03	22894	168442	21105	130988	13.59	16.11
2003-04	25778	181618	10967	147069	14.19	7.49
2004-05	28413	200800	12956	166094	14.15	7.80
2005-06	29136	227640	16363	173443	12.80	9.43
2006-07	33384	250395	16728	185594	13..3	9.01
2007-08	34475	277321	18256	208755	12.43	8.75

Source: Government of India, *Basic Ports Statistics of India* & Major Ports of India

Table 2.122 Traffic by Broad Category of Cargo Handled by Kolkata-Haldia Port vis-à-vis Other Major Ports of India, 2006-07 & 2007-08

('000 tonnes)

Port	Period	Dry bulk		Liquid bulk	Break bulk	Container	Total
		Mechanical	Conventional				
Kolkata	2007-08	-	822	5007	2773	5139	13741
	2006-07	-	641	5761	2191	4003	12596
Haldia	2007-08	7290	13470	19659	772	2397	43588
	2006-07	8043	11610	19917	966	1918	42454
Paradip	2007-08	14935	23984	3194	271	54	42438
	2006-07	18939	16645	2757	145	31	38517

Visakhapatnam	2007-08	15142	26019	20596	1707	1133	64597
	2006-07	13456	21433	19036	1661	799	56385
Ennore	2007-08	9051	2190	322	-	-	11563
	2006-07	10526	-	188	-	-	10714

Table 2.122 (continued)

Port	Period	Dry bulk		Liquid bulk	Break bulk	Container	Total
		Mechanical	Conventional				
Chennai	2007-08	7657	14793	14077	2577	18050	57154
	2006-07	8125	14368	13963	2792	14166	53414
Tuticorin	2007-08	6112	5833	1301	2604	5630	21480
	2006-07	5608	4997	1226	2159	4011	18001
Cochin	2007-08	84	771	11577	139	3239	15810
	2006-07	525	738	10746	299	2949	15257
New Mangalore	2007-08	2191	10617	22636	255	320	36019
	2006-07	843	8099	22511	324	265	32042
Mormugao	2007-08	10309	22918	1414	352	135	35128
	2006-07	20415	12010	1353	336	127	34241
Mumbai	2007-08	-	9714	38551	7141	1632	57038
	2006-07	-	9387	33042	8355	1580	52364
J.N.P.T.	2007-08	-	741	3169	5	51923	55838
	2006-07	-	618	3371	16	40810	44815
Kandla	2007-08	-	12816	43893	5594	2617	64920
	2006-07	-	9501	34682	6021	2778	52982
All ports	2007-08	72771	144688	185396	24190	92269	519314
	2006-07	86480	110047	168553	25265	73437	463782

*Source:*Indian Port Association, *Major Ports of India A Profile, 2007-08*

Table 2.123 Traffic of Cargo by Selected Commodities Handled by Kolkata-Haldia Port vis-à-vis Other Major Ports of India, 2006-07

('000 tonnes)

Port	POL & crude products	Iron ore	Fertiliser	FRM	Food-grains	Coal	Container cargo		Others	Total
							'000 tonnes	'000 TEUs		
Kandla	29711	234	2049	1944	2024	704	2778	178	13538	52982
Mumbai	24281	-	136	337	857	2533	1580	136	22640	52364
J.L.Nehru	2625	-	-	2	-	-	40811	3298	1377	44815
Mormugao	786	26741	226	394		5091	155	13	848	34241
New Mangalore	21868	6248	972	286	88	1047	265	17	1268	32042
Cochin	10475	-	79	560	184	219	2949	226	791	15257
Kandla	29711	234	2049	1944	2024	704	2778	178	13538	52982
Mumbai	24281	-	136	337	857	2533	1580	136	22640	52364
J.L.Nehru	2625	-	-	2	-	-	40811	3298	1377	44815
Mormugao	786	26741	226	394	-	5091	155	13	848	34241
New Mangalore	21868	6248	972	286	88	1047	265	17	1268	32042
Cochin	10475	-	79	560	184	219	2949	226	791	15257
Tuticorin	626	-	678	792	54	5608	4011	377	6232	18001
Chennai	12987	10531	654	380	661	3345	14166	885	10690	53414
Ennore	188	1724	-	-	-	8802	-	-	-	10714
Visakhapatnam	18178	14718	2618	1298	980	11401	799	56	6393	56385
Paradip	1376	11880	89	4173	-	17130	34	2	3835	38517

Haldia Dock Complex	17596	8312	428	958	7	8710	1918	110	4525	42454
Kolkata Dock System	5181	196	-	15	75	44	4003	239	3082	12596
All ports	145878	80584	7929	11139	4930	64634	73469	5537	75219	463782

*Source:*Indian Port Association, *Major Ports of India A Profile, 2007-08*

Table 2.124 Overseas and Coastal Traffic of Cargo Handled by Kolkata-Haldia Port vis-à-vis Other Major Ports of India, 2007-08 and 2006-07 ('000 tonnes)

Port	Period	Overseas				Coastal				Total			
		Unloaded	Loaded	Transhipment	Total	Unloaded	Loaded	Transhipment	Total	Unloaded	Loaded	Tranship-ment	Total
Kolkata	2007-08	4942	3138	4566	12646	854	241	-	1095	5796	3379	4566	13741
	2006-07	4007	2557	4929	11493	843	259	1	1103	4850	2816	4930	12596
Haldia	2007-08	26253	11985	28	38266	2426	2892	4	5322	28679	14877	32	43588
	2006-07	25656	10292	4	35952	2878	3620	4	6502	28534	13912	8	42454
Paradip	2007-08	16225	14527	-	30752	613	11056	17	11686	16838	25583	17	42438
	2006-07	12822	13952	3	26777	832	10903	5	11740	13654	24855	8	38517
Visakha-patnam	2007-08	27060	15742	2085	44887	3811	13180	2719	19710	30871	28922	4804	64597
	2006-07	25017	11656	1855	38528	2910	12176	2771	17857	27927	23832	4626	56385
Ennore	2007-08	1212	2190	-	3402	8161	-	-	8161	9373	2190	-	11563
	2006-07	653	1724	-	2377	8337	-	-	8337	8990	1724	-	10714
Chennai	2007-08	28526	23369	-	51895	4333	926	-	5259	32859	24295	-	57154
	2006-07	26195	21337	-	47532	4564	1318	-	5882	30759	22655	-	53414
Tuticorin	2007-08	9949	5703	-	15652	5523	305	-	5828	15472	6008	-	21480
	2006-07	7695	4302	-	11997	5807	197	-	6004	13502	4499	-	18001
Cochin	2007-08	8502	2102	55	10659	3660	1491	-	5151	12162	3593	55	15810
	2006-07	8923	1890	4	10817	2871	1569	-	4440	11794	3459	4	15257
New Mangalore	2007-08	16693	13255	-	29948	2932	3139	-	6071	19625	16394	-	36019
	2006-07	13367	11022	-	24389	4555	3098	-	7653	17922	14120	-	32042
Mormugao	2007-08	6537	27538	-	34075	648	405	-	1053	7185	27943	-	35128
	2006-07	6426	26988	-	33414	624	203	-	827	7050	27191	-	34241
Mumbai	2007-08	24743	5597	6599	36939	1175	7053	11871	20099	25918	12650	18470	57038
	2006-07	24027	5749	6734	36510	679	7505	7670	15854	24706	13254	14404	52364
J.N.P.T.	2007-08	24016	26015	2711	52742	1821	390	885	3096	25837	26405	3596	55838
	2006-07	19032	21046	1963	42041	1690	498	586	2774	20722	21544	2549	44815
Kandla	2007-08	41892	14623	1698	58213	4814	1893	-	6707	46706	16516	1698	64920
	2006-07	35340	10681	1264	47285	4645	1052	-	5697	39985	11733	1264	52982
All ports	2007-08	236550	165784	17742	420076	40771	42971	15496	99238	277321	208755	33238	519314
	2006-07	209160	143196	16756	369112	41235	42398	11037	94670	250395	185594	27793	463782

*Source:*Indian Port Association, *Major Ports of India A Profile, 2007-08*

Table 2.125 Container Traffic of Cargo Handled by Kolkata-Haldia Port vis-à-vis Other Major Ports of India, 2003-04 to 2007-08 (000's)

Port	Tonnage					TEUs				
	2003-04	2004-05	2005-06	2006-07	2007-08	2003-04	2004-05	2005-06	2006-07	2007-08
Kolkata	1746	2357	3234	4003	5139	123	159	203	239	297
Haldia	2275	2029	1911	1918	2397	137	128	110	110	128
Paradip	60	31	45	31	54	4	2	4	2	4

Visakha patnam	277	635	630	799	1133	20	45	47	56	71
Chennai	8628	9864	11757	14166	18050	539	617	735	886	1128
Tuticorin	2687	3205	3428	4011	5630	254	307	321	377	450

Table 2.125 (continued)

Port	Tonnage					TEUs				
	2003-04	2004-05	2005-06	2006-07	2007-08	2003-04	2004-05	2005-06	2006-07	2007-08
Cochin	2125	2315	2488	2949	3239	170	185	203	227	254
New Mangalore	96	136	149	265	320	7	9	10	17	21
Mormugao	103	117	105	127	135	10	10	9	13	14
Mumbai	2816	2571	2145	1580	1632	197	219	156	138	118
J.N.P.T.	27785	28747	33777	40810	51923*	2269	2371	2667	3298	4060#
Kandla	2404	2754	2311	2778	2617	170	181	148	178	165
All ports	51002	54761	61980	73437	92269	3900	4233	4613	5541	6710

Note * Tonnage = JNPCT=16304, NSICT=19609, GTIPL= 16010
TEUs = JNPCT=1261, NSICT=1508, GTIPL= 1291
*Source:*Indian Port Association, *Major Ports of India A Profile: 2007-08*

Table 2.126 Estimated Domestic and Foreign Tourist Arrivals in West Bengal vis-à-vis the Whole of India, 2004-06

State/ Country	2004		2005		2006	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
West Bengal	12380389	775694	13566911	895639	15808371	998029
All India	366267522	8360278	391948589	9949676	461762847	11748226
Per cent	3.38	9.28	3.46	9.00	3.42	8.50

Source: Regional Tourist Office, Kolkata, Government of India

Table 2.127 Educational Institutions and Student Enrolment in West Bengal vis-à-vis Other Major States of India, 2004-05

States/ Country	Number of schools			Number of students enrolled ('000)		
	Primary/ junior basic	Middle/ senior basic	Secondary/ higher secondary	Primary stage	Middle/ secondary stage	Secondary/ higher secondary stage
West Bengal	50397	1929	7971	9881	3622	2203
Andhra Pradesh	61680	16667	17710	7993	3643	3160
Assam	30068	8143	5374	-	-	-
Bihar	39347	10963	3629	10042	2209	1303
Gujarat	16385	22623	7718	6658	2474	1704
Haryana	11800	2269	5222	2176	1185	884
Karnataka	26645	26816	11818	5884	2946	2139
Kerala	6827	3049	5402	2543	1628	1381
Madhya Pradesh	96737	34641	8301	10351	3827	2022
Maharashtra	41669	26295	18717	13836	6189	4672
Orissa	45700	15893	8661	5219	1841	1382
Punjab	13352	2503	3980	1936	1042	853
Rajasthan	55942	26201	10144	9421	3157	1793

Tamil Nadu	33470	7111	9234	6403	3698	2952
Uttar Pradesh	129976	36874	12766	24626	7098	5926
All India	767520	274731	152049	135525	51245	37075

Source: *Selected Educational Statistics*, 2004-05, Ministry of Human Resource Development, Government of India

Table 2.128 Gross Enrolment Ratios in West Bengal vis-à-vis Other Major States of India, 2003-04

States/ India	Upper primary (11-14 years)	Secondary (14-18 years)	States/ India	Upper primary (11-14 years)	Secondary (14-18 years)
West Bengal	64.3 (8)	32.6	Kerala	93.6 (2)	48
Bihar	25.3 (14)	16.9	Tamil Nadu	100.4 (1)	56.9
Orissa	54 (12)	32.7	Gujarat	70.4 (5)	40
Uttar Pradesh	48.6 (13)	37.9	Haryana	65.5 (6)	45.5
Rajasthan	61.5 (10)	32.6	Maharasthra	87.6 (3)	53.9
Madhya Pradesh	63.3 (9)	34.9	Punjab	60.1 (11)	39
Andhra Pradesh	64.9 (7)	44.6	All India	62.4	38.9
Karnataka	76.2 (4)	41.7			

Source: Selected Educational Statistics, 2003-04, Ministry of Human Resource Development, Government of India.
Note: ( ) Figures within parentheses indicate respective ranks.

Table 2.129 Dropout Rates in West Bengal vis-à-vis Major States of India, 2004-05 (Per cent)

State/ Country	Class I-V			Class I-VIII			Class I-X		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
West Bengal	43.23	44.1	43.65	63.7	63.55	63.63	75.92	80.34	78.03
Andhra Pradesh	31.77	32.14	31.95	57.72	61.08	59.36	62.3	65.24	63.69
Assam	51.58	48.34	50.07	72.41	74.6	73.38	75.18	74.69	74.96
Bihar	53.37	48.62	51.59	73.57	76.44	74.69	81.46	85.64	83.06
Gujarat	35.72	34.27	35.09	43.69	50	46.34	58.01	61.05	59.29
Haryana	5.04	4.54	4.18	19.86	29.61	24.51	28.01	37.72	32.48
Karnataka	16.25	15.49	15.88	49.81	50.21	49.99	59.71	58.99	59.38
Kerala	0	0	0	0	0	0	10.64	3.52	7.15
Madhya Pradesh	11.12	9.13	10.21	43.09	45.07	43.95	60.48	70.31	69.7
Maharashtra	6.6	6.81	6.7	26.46	31.74	28.99	52.11	56.4	54.16
Orissa	42.6	35.17	39.34	65.56	56.64	61.95	66.4	61.46	64.42
Punjab	27.42	19.91	23.96	32.64	34.82	33.67	43.68	44.49	44.06
Rajasthan	58.92	52.9	56.59	60.85	71.33	65.34	69.33	80.72	73.87
Tamil Nadu	1.94	0.14	0.94	24.62	23.24	23.96	57.27	52.71	55.19
Uttar Pradesh	21.8	3.78	12.06	43.71	39.18	41.94	40.49	48.99	43.77
All India	31.81	25.42	29	50.49	51.28	50.84	60.41	63.88	61.92

Source: Selected Educational Statistics, 2004-05, Ministry of Human Resource Development, Govt. of India.

Table 2.130 Number of Scholars by Courses and Stages in Recognized Institutions in West Bengal vis-à-vis Other States of India, 2003-04

States	Schools for general education							
	Nursery (pre-primary/ pre-basic)		Primary (I to V)		Middle (VI to VIII)		High/higher secondary (ix-xii) *	
	Total	Women	Total	Women	Total	Women	Total	Women
West Bengal	-	-	10327725	5045986	3818261	1813384	2234772	922630
Andhra Pradesh	448264	209991	7975659	3931511	3502469	1639157	2891478	1234920
Assam	746390	367892	3232547	1583644	1338210	625718	966831	403004
Bihar	197	92	9471186	3993330	1815562	640010	1219117	339385

Gujarat	122401	48961	6551770	2950715	2453001	938152	1737659	711503
Haryana	87625	40994	2010659	939889	1089747	485249	907845	375790
Karnataka	-	-	6267825	3029680	2896719	1365770	1947051	903181
Kerala	-	-	2492430	1218866	1662436	793436	1150923	573502

Table 2.130 (continued)

States	Schools for general education							
	Nursery (pre-primary/ pre-basic)		Primary (I to V)		Middle (VI to VIII)		High/higher secondary (ix-xii) *	
	Total	Women	Total	Women	Total	Women	Total	Women
Madhya Pradesh	-	-	8830733	4026267	3122698	1258462	1880135	669860
Maharashtra	2438584	1174890	11175756	5346512	6087790	2851681	4546376	2020347
Orissa	-	-	4918067	2325579	1428256	641822	1015394	428838
Punjab	32577	13203	1979294	928462	1038388	487201	843914	390290
Rajasthan	182960	75382	9479755	4274730	2837004	1025383	1655627	474112
Tamil Nadu	-	-	6591113	3180648	3600870	1716400	2775339	1347593
Uttar Pradesh	42886	16569	24080867	11116777	6948243	2865426	5809618	2119673
All India	5,050,006	2,404,070	128266291	59905868	48,746,998	21,460,895	35,009,349	14,396,677

* Includes Higher Secondary Schools (10+2 pattern), Intermediate/ Pre-Degree/ Junior Colleges (Old pattern) and Post Basic Schools.

Source: Selected Educational Statistics, Directorate of School Education, Government of India

Table 2.131 Percentage Distribution of Males of Age 5-29 Years by Status of Current Attendance in Rural & Urban Areas in West Bengal vis-à-vis the Whole of India, 2004-2005

State/Country	Never attended	Currently not Attending			Currently attending			All
		Ever attended	All	Below primary	Middle	Primary	Secondary & above	
West Bengal	15.8	33.6	42.1	1.8	25	14.2	8.6	49.6
All India	15.1	31.2	52.7	1.6	27.1	12.1	12.4	53.2

Source: NSSO, *Report No, 515, Status of Education and Vocational Training in India*, NSS 61st Round, (July 2004- June 2005)

Table 2.132 Percentage Distribution of Females of Age 5-29 Years by Status of Current Attendance in Rural & Urban Areas in West Bengal vis-à-vis the Whole of India, 2004-2005

State/Country	Never attended	Currently not attending			Currently attending			All
		Ever attended	All	Below primary	Middle	Primary	Secondary & above	
West Bengal	21.8	31.5	53.2	1.6	24.7	12.6	6.6	45.5
All India	26	29.5	55.6	1.5	24.2	9.8	8.1	43.6

Source: NSSO, *Report No, 515, Employment & Unemployment Situation in India*, 61st Round, July 2004- June 2005

Table 2.133 Number of Hospitals, Dispensaries and Beds in West Bengal vis-à-vis the Whole of India, 2005

States	Reference Period	Number of hospitals	Rank	Number of beds (all types) (000)	Rank
2005		7008B		470	
West Bengal(C)	01.01.2005	642	3	59	2
Andhra Pradesh	01.01.2006	521	4	35	5
Assam+	01.09.2004	100	14	3	12
Bihar+	01.09.2004	101	13	3	12
Gujarat	01.01.2006	503	6	35	5
Haryana	01.01.2005	133	12	7	11

Karnataka	01.09.2005	723	2	41	4
Kerala	01.01.2006	189	11	26	7
Madhya Pradesh	01.04.2001	324	9	18	8
Maharashtra+	01.09.2004 & 01.01.2002	1170D	1	76	1

Table 2.133 (continued)

States	Reference Period	Number of hospitals	Rank	Number of beds (all types) (000)	Rank
Orissa	01.01.2006	406	8	13	9
Punjab	01.01.2004	160	12	9	10
Rajasthan	01.01.2005	510	5	32	6
Tamil Nadu+	01.01.2006	424	7	44	3
Uttar Pradesh+	01.09.2004	294	10	9	10

Source: Directorate General of Health Services (C.B.H.I.)
Notes: C- Estimated at 30 beds per one CHC, + No. of CHC as per Rural Health Bulletin March 2005 & relates to 01.09.2004.

Table 2.134 Number of PHCs, Sub-Centres, Community Health Centres in West Bengal vis-à-vis the Whole of India, 2007 (As on March)

State/Country	Sub-centres	PHCs	CHCs
West Bengal	10356	922	346
All India	145272	22370	4045
Per cent	7.13	4.12	8.55

Source: Ministry of Health & Family Welfare, *Health Information of India 2007*, Government of India

Table 2.135 Number of Doctors Possessing Recognized Medical Qualifications (Under I.M.C. Act) and Registered with State Medical Councils in West Bengal vis-à-vis Other Major States of India (As on 31st December)

State Medical Councils	1991	2000	2001	2002	2003	2004	2005	Rank
Andhra Pradesh	19610	29214	30687	32510	34147	34808	34761	9
Assam	10499	14253	14586	15060	15526	15649	16401	10
Bihar	26376	32226	33070	33720	34583	35111	35510	7
Gujarat	22392	32177	33653	35174	36012	37194	38642	6
Haryana	644	1065	1146	1234	1285	1332	1380	12
Karnataka	32813	57464	61163	64012	65789	67864	68987	3
Maharashtra	49365	77278	80764	84536	88378	92327	96560	1
Orissa	11087	14009	14315	14640	14707	14973	15219	11
Punjab	26636	31859	32558	33206	33417	34104	34967	8
Rajasthan	14041	19744	20438	21198	21885	22587	23459	9
Tamil Nadu	46419	63434	65771	68209	70357	72077	73211	2
Uttar Pradesh	33178	42452	43492	45295	46309	46804	47671	5
West Bengal	41722	49261	49941	50794	51961	53068	53521	4
All India	393640	555550	577094	607075	625423	643984	660733	-

Source: Medical Council of India

Table 2.136 Number of Registered General Nursing Midwifery, Auxiliary Nurse-Midwives and Health Visitors in West Bengal vis-à-vis Other Major States of India, 2004 (At the end of the year)

State / Country	General nursing midwives	Rank	Auxiliary nursing midwives	Rank	Health visitors & health supervisors	Rank

West Bengal (g)*	44652	9	55858	2	11294	1
Andhra Pradesh	84306	4	94395	1	2480	5
Assam (a)	10321	13	12589	14	-	-
Bihar (b)	8893	14	7516	16	511	13
Gujarat*	85796	3	35840	5	1352	8

Table 2.136 (continued)

State / Country	General nursing midwives	Rank	Auxiliary nursing midwives	Rank	Health visitors & health supervisors	Rank
Haryana	15821	12	13112	13	694	11
Himachal Pradesh	7920	15	9087	15	411	14
Karnataka	54762	7	47407	4	6836	4
Kerala	71589	6	27612	7	7797	3
Mahakhoshal (c)	92510	2	25437	10	998	9
Maharashtra & Goa	81983	5	25690	9	551	12
Orissa	46090	7	30213	6	110	15
Punjab (d)	46064	8	17744	12	2584	7
Rajasthan	35482	10	22239	11	850	10
Tamil Nadu (e)	159525	1	52819	3	11083	2
Uttar Pradesh (f)	17479	11	26956	8	2763	6
All India	865135	-	506924	-	50393	-

Source: Indian Nursing Council, Directorate General of Health Services (C.B.H.I.)
Notes: (a) Data for Assam includes data for Assam, Arunachal Pradesh, Manipur, Meghalaya and Nagaland put together, (b) Data for Bihar includes data for Bihar and Jharkhand put together, (c) Data for Mahakoshal includes data for Madhya Pradesh and Chattisgarh put together, (d) Data for Punjab includes data for Punjab, Delhi and Jammu & Kashmir put together, (e) Data for Tamil Nadu includes data for Tamil Nadu, A & N Islands and Pondicherry put together, (f) Data for Uttar Pradesh includes data for Uttar Pradesh and Uttaranchal put together,
(g) Data for West Bengal includes data for West Bengal and Sikkim put together, (*) Nurses registered up to December, 2002.
i) Figures of Bihar relate to year 1998 and Orissa, Mizoram and Haryana relates to year 2001, iii) AFMS : Armed Force Medical Services, ii) Figures for the year 2003 is as on 31st March, and for other years relate to 31st December.

Table 2.137 Percentage Distribution of Rural Households by Source of Drinking Water in West Bengal vis-à-vis the Whole of India, 2001

State/Country	Source of Drinking Water							
	Tap	Hand Pump	Tubewell	Well, Pond, Lake	Tank, Canal	River, Other	Spring	Any Other
West Bengal	7.02	69.24	10.73	11.41	0.22	0.36	0.73	0.29
All India	24.29	43.2	5.74	22.23	1.28	1.33	0.93	1.01

Source: G.O.I, *Census of India 2001, Tables of Houses, Household Amenities and Assets*, India.

Table 2.138 Percentage Distribution of Villages by Major Source of Drinking Water in West Bengal vis-à-vis the Whole of India, 2002

State/ Country	Tap	Tub well/ hand pump	Well	Tank/ Pond	Other tank/ pond	River canal/ lake	Spring	Others	Not recorded

West Bengal	6.1	72.7	20.7	-	-	0.3	.01	-	-
All India	18.5	55.1	17.6	0.8	0.2	1.9	2.9	1.7	1.3

Source: NSSO, *Report on Village Facilities, Report No. 487*, 58th Round (July – December, 2002), December 2003.

Table 2.139 Percentage of Rural Households Having Safe Drinking Water (Tap/Hand pump/Tube well) Facility in West Bengal vis-à-vis the Whole of India , 2001

State/Country	1991		2001	
	Rural	Urban	Rural	Urban
West Bengal	80.3	82	87	88.5
All India	55.5	62.3	73.2	77.9

Source: Ministry of Finance, *Economic Survey* 2005-06

Table 2.140 Percentage of Rural Households without Drinking Water and Sanitation Facilities in West Bengal vis-à-vis Other Major States of India, 2001

States/ India	Fetching water from far away		Without drainage		Without latrine	
	Rural	Urban	Rural	Urban	Rural	Urban
West Bengal	20.44	11.90	84.09	32.86	73.07	15.15
Andhra Pradesh	21.91	13.50	58.57	17.71	81.85	21.93
Assam	24.47	10.54	85	47.38	40.43	5.40
Bihar	12.57	8.56	65.14	31.39	86.09	30.31
Gujarat	20.77	6.49	86.35	21.71	78.35	19.45
Haryana	26.6	7.45	28.28	11.59	71.34	19.34
Karnataka	26.12	13.83	64.61	19.03	82.6	24.77
Kerala	13.5	7.43	84.01	69.11	18.67	7.98
Madhya Pradesh	27.33	15.32	80.16	24.09	91.06	32.26
Maharashtra	17.23	5.66	58.86	12.42	81.79	41.92
Orissa	32.39	20.86	85.15	42.51	92.29	40.31
Punjab	4.18	1.45	21.92	10.23	59.09	13.48
Rajasthan	28.57	8.18	76.83	19.81	85.39	23.81
Tamil Nadu	13.32	10.43	72.64	29.98	85.64	35.67
Uttar Pradesh	11.25	5.38	35.01	7.62	80.77	19.98
All India	19.54	9.38	65.82	22.13	78.08	26.28

Source: Government of India, Registrar General of India, *Houses, House Amenities & Asset*s, 2001

Table 2.141 Status of Coverage of Habitations under Rural Water Supply in West Bengal vis-à-vis Other Major States of India, 2005 (as on 1st April)

State	Status of habitations			
	NC	PC	FC	Total
West Bengal	0	0	79036	79036
Andhra Pradesh	0	0	69732	69732
Assam	238	7137	63180	70555
Bihar	0	0	105340	105340
Gujarat	0	36	30233	30269

Haryana	0	0	6745	6745
Karnataka	0	5618	51064	56682
Kerela	0	7573	2190	9763
Madhya Pradesh	0	0	109489	109489

Table 2.141 (continued)

State	Status of habitations			
	NC	PC	FC	Total
Maharashtra	327	17411	68192	85930
Orissa	0	0	114099	114099
Punjab	803	1128	11518	13449
Rajasthan	2300	0	91646	93946
Tamil Nadu	0	0	66631	66631
Uttar Pradesh	0	0	243508	243508

Note: NC: Not Covered, FC: Fully Covered, PC: Partially Covered.
Source: Government of India (2006).

Table 2.142 Percentage of Villages Having Drainage System by Type in West Bengal vis-à-vis the Whole of India, 2002

State/Country	Villages having drainage system	Under-ground	Covered pucca	Open pucca	Open kutcha	Not recorded
West Bengal	14.4	0.4	6.5	16.7	76.5	-
All India	30.0	0.6	1.7	50.4	43.0	4.3

Source: NSSO, *Report on Village Facilities*, Report No. 487, 58th Round (July-December, 2002), December 2003.

Table 2.143 Number of Scheduled Commercial Bank Offices in West Bengal vis-à-vis Other Major States of India, 1991 to 2008 (As at the end of June)

State/ Country	1991	Per cent share	2001	Per cent share	2006	Per cent share	2007	Per cent share	2008	Per cent Share	Annual percentage change
West Bengal	4212	6.97	4424	6.69	4581	6.63	4691	6.56	4892	6.44	0.95
Andhra Pradesh	4607	7.62	5171	7.82	5487	7.94	5683	7.95	6174	8.12	2.00
Assam	1214	2.01	1237	1.87	1243	1.80	1279	1.79	1325	1.74	0.54
Bihar	4854	8.03	3561	5.39	3586	5.19	3623	5.07	3721	4.90	-1.37
Gujarat	3382	5.60	3670	5.55	3749	5.43	3897	5.45	4156	5.47	1.35
Haryana	1265	2.09	1516	2.29	1764	2.55	1852	2.59	2026	2.67	3.54
Karnataka	4275	7.07	4761	7.20	5033	7.28	5209	7.29	5504	7.24	1.69
Kerala	2849	4.71	3298	4.99	3569	5.16	3712	5.19	3920	5.16	2.21
Madhya Pradesh	4342	7.19	3456	5.23	3471	5.02	3564	4.98	3757	4.94	-0.79
Maharashtra	5591	9.25	6294	9.52	6524	9.44	6720	9.40	7087	9.32	1.57
Orissa	2084	3.45	2220	3.36	2295	3.32	2402	3.36	2555	3.36	1.33
Punjab	2114	3.50	2534	3.83	2781	4.02	2904	4.06	3109	4.09	2.77
Rajasthan	3049	5.05	3323	5.03	3441	4.98	3569	4.99	3757	4.94	1.37

Tamil Nadu	4301	7.12	4785	7.24	4898	7.09	5128	7.17	5534	7.28	1.69
Uttar Pradesh	8460	14.00	8155	12.33	8393	12.15	8642	12.09	9249	12.17	0.55
All India	60430	100	66119	100	69104	100	71497	100	76003	100	1.52

Source: Quarterly Statistics on Deposits and Credit of Scheduled Banks, Reserve Bank of India

Table 2.144 Number of Scheduled Commercial Bank Branches Per Lakh Population in West Bengal vis-à-vis Other Major States of India, 1991 to 2008

State/ Country	1991	Rank	2001	Rank	2006	Rank	2007	Rank	2008	Rank
West Bengal	6.19	14	5.52	12	5.71	12	5.85	12	6.10	12
Andhra Pradesh	6.93	10	6.79	7	7.20	7	7.46	7	8.10	7
Assam	5.42	15	4.64	14	4.66	14	4.80	14	4.97	14
Bihar	7.52	8	4.29	15	4.32	15	4.37	15	4.48	15
Gujarat	8.19	5	7.24	5	7.40	6	7.69	6	8.20	6
Haryana	7.68	7	7.17	6	8.34	4	8.76	4	9.58	4
Karnataka	9.50	3	9.01	3	9.52	3	9.86	3	10.41	3
Kerala	9.79	2	10.36	2	11.21	2	11.66	2	12.31	2
Madhya Pradesh	8.94	4	5.73	11	5.75	11	5.91	11	6.23	11
Maharashtra	7.08	9	6.50	8	6.73	8	6.94	8	7.32	8
Orissa	6.58	12	6.03	9	6.24	9	6.53	9	6.94	9
Punjab	10.42	1	10.40	1	11.42	11	11.92	1	12.76	1
Rajasthan	6.93	11	5.88	10	6.09	10	6.32	10	6.65	10
Tamil Nadu	7.70	6	7.67	4	7.85	5	8.22	5	8.87	5
Uttar Pradesh	6.41	13	4.91	13	5.05	13	5.20	13	5.57	13
All India	7.14	-	6.43	-	6.72	-	6.95	-	7.39	-

Source: Quarterly Statistics on Deposits and Credit of Scheduled Banks, Reserve Bank of India

Table 2.145 Distribution of Deposits and Advances of Scheduled Commercial Banks in West Bengal vis-à-vis Other Major States of India, 2008

States/ India	Number of offices	Per cent share	Deposits (Rs crore)	Per cent share	Advances (Rs crore)	Per cent share	Percentage of advances to deposits	Rank
West Bengal	4892	6.44	192152	5.87	113933	4.67	59.29	9
Andhra Pradesh	6147	8.09	182097	5.56	167380	6.86	91.92	3
Assam	1325	1.74	31862	0.97	12944	0.53	40.63	14
Bihar	3721	4.90	67861	2.07	20361	0.83	30.00	15
Gujarat	4156	5.47	155365	4.75	99610	4.08	64.11	8
Haryana	2026	2.67	73931	2.26	43816	1.80	59.27	10
Karnataka	5504	7.24	213072	6.51	167146	6.85	78.45	5
Kerala	3920	5.16	112242	3.43	72049	2.95	64.19	6
Madhya Pradesh	3757	4.94	84083	2.57	49766	2.04	59.19	11
Maharashtra	7087	9.32	816147	24.93	812370	33.29	99.54	2
Orissa	2555	3.36	55782	1.70	30069	1.23	53.90	12
Punjab	3109	4.09	104647	3.20	67159	2.75	64.18	7
Rajasthan	3757	4.94	74614	2.28	60689	2.49	81.34	4

Tamil Nadu	5534	7.28	207105	6.33	231551	9.49	111.80	1
Uttar Pradesh	9249	12.17	220870	6.75	97097	3.98	43.96	13
All India	76003	100	3273998	100	2440052	100	74.53	

Source: Quarterly Statistics on Deposits and Credit of Scheduled Banks, Reserve Bank of India

Table 2.146 Number and Membership of All Types of Co-Operative Societies in West Bengal vis-à-vis Other Major States of India, 2000-01

State/Country	Number of societies					Membership ('000)			
	Credit	Percentage share	Non-credit	Total	Percentage share	Credit	Non-credit	Total	Percentage share
West Bengal	10450	7.32	9331	19781	3.59	4608	1247	5855	2.67
Andhra Pradesh	8175	5.73	47744	55919	10.15	17557	3555	21112	9.64
Assam	1507	1.06	4438	5945	1.08	2325	110	2435	1.11
Bihar	7619	5.34	28489	36108	6.55	1134	850	1984	0.91
Gujarat	12850	9.00	44710	57560	10.45	7263	9018	16281	7.44
Haryana	2983	2.09	10642	13625	2.47	2845	1149	3994	1.82
Karnataka	7923	5.55	17291	25214	4.58	10491	5770	16261	7.43
Kerala	3591	2.52	18687	22278	4.04	18044	16498	34542	15.78
Madhya Pradesh	8479	5.94	15272	23751	4.31	9472	1230	10702	4.89
Maharashtra	42711	29.93	113910	156621	28.42	29884	11149	41033	18.74
Orissa	3534	2.48	4243	7777	1.41	4613	1017	5630	2.57
Punjab	4670	3.27	14019	18689	3.39	3182	1099	4281	1.96
Rajasthan	6140	4.30	12933	19073	3.46	7276	1464	8740	3.99
Tamil Nadu	6823	4.78	19846	26669	4.84	13098	5253	18351	8.38
Uttar Pradesh	10213	7.16	23722	33935	6.16	18558	4877	23435	10.70
All India	142723	100	408290	551013	100	152882	66057	218939	100

Source: National Bank for Agriculture and Rural Development

Table 2.147 Number, Membership and Financial Position of State Co-Operative Banks in West Bengal vis-à-vis Other Major States of India, 2000-01 (Amount in Rs.Million)

State/Country	Membership		Share capital	Reserves	Deposits
	Societies	Individuals			
West Bengal(3)	286	1	52	224	1703
Andhra Pradesh	22	1	1795	3117	16206
Assam (1)	2158	31198	48	138	3867
Bihar	72	1	200	3071	5709
Gujarat	438	1	134	2071	27415
Haryana	1039	7	335	1634	6756
Karnataka	74	1	259	1423	14518
Kerala (1)	14	1	220	619	16872
Madhya Pradesh	-	-	664	2043	17016
Maharashtra	1846	309	959	14319	91358
Orissa	90	9270	310	896	7313

Punjab	54	1	273	1974	8784
Rajasthan	65	-	324	1438	8476
Tamil Nadu	23	1	273	1809	26761
Uttar Pradesh	70	1	514	4706	25349
All India	16823	64838	6816	42713	307041

Table 2.147 (Continued)

State/Country	Borrowings from				Total working capital	Percentage Share	Loans issued during the year	Percentage share
	Govt.	RBI/ NABARD	Others	Total				
West Bengal(3)	-	-	648	648	2682	0.54	1400	0.46
Andhra Pradesh	2652	30365	1768	34785	64168	12.99	30365	9.98
Bihar	436	660	0.1	1097	10123	2.05	1715	0.56
Gujarat	61	3916	361	4337	35922	7.27	8604	2.83
Haryana	90	9196	17	9304	18510	3.75	-	-
Karnataka	1	5246	428	5676	22607	4.58	13473	4.43
Kerala(1)	-	399	1061	1460	20489	4.15	9272	3.05
Madhya Pradesh	-	5372	1389	6762	27257	5.52	31040	10.21
Maharashtra	429	7662	12372	20462	128911	26.09	84665	27.84
Orissa	126	4210	84	4420	13956	2.82	8033	2.64
Punjab	53	5881	2234	8168	19613	3.97	26153	8.60
Rajasthan	23	4818	90	4931	16409	3.32	6006	1.97
Tamil Nadu	89	4688	161	4938	35125	7.11	33102	10.88
Uttar Pradesh	75	4241	763	5079	37367	7.56	42280	13.90
All India	4110	88062	21492	113664	494102	100	304157	100

Notes: (1) - Data represents figures for the year 1999-2000. (3) - Data represents figures for the year prior to1998-99.
(2) - Data represents figures for the year 1998-99.
Source: National Bank for Agriculture and Rural Development

Table 2.148 Number, Membership and Financial Position of Central Co-Operative Banks in West Bengal vis-à-vis Other Major States of India, 2000-01 (Amount in Rs.Million)

State/Country	Number of banks	Membership actual		Share capital	Reserves	Deposits
		Societies	Individuals			
West Bengal	17	13597	20083	459	1500	15283
Andhra Pradesh	22	12986	703454	4509	5797	25392
Assam	1	547	13383	5	4	181
Bihar	34	21186	3775	959	1978	8390
Gujarat	18	25512	135863	2068	9394	65035
Haryana	17	10136	13042	1318	1399	14199
Karnataka	19	15619	44130	1629	2702	31017
Kerala	14	8493	9	904	4230	42644
Madhya Pradesh	45	11816	142252	2291	6654	34747
Maharashtra	30	85325	22152	6832	20065	178676
Orissa	17	6755	72540	1211	1746	11670

Punjab	19	16292	60699	721	2933	29205
Rajasthan	26	8661	16042	1555	1907	15257
Tamil Nadu	23	15911	40986	2835	6326	57313
Uttar Pradesh	60	20986	19800	2674	9273	54371
All India	367	277174	1325827	30062	77563	600299

Table 2.148 (Continued)

State/Country	Borrowings from				Total Working	Percentage Share	Loans issued during	Percentage share
	RBI/ NABARD	Govt.	Others	Total				
West Bengal	1023	6	124	1153	20847	2.29	6080	1.00
Andhra Pradesh	33132	171	3393	36696	78625	8.62	29844	4.90
Assam	-	1	-	1	128	0.01	17	0.00
Bihar	3373	43	237	3653	16338	1.79	1819	0.30
Gujarat	8302	156	3804	12261	92626	10.16	59893	9.83
Haryana	14396	61	-	14457	33141	3.63	67662	11.11
Karnataka	8280	14	928	9222	45700	5.01	31632	5.19
Kerala	6322	334	1323	7979	59779	6.56	27077	4.44
Madhya Pradesh	10267	170	376	10814	53509	5.87	34341	5.64
Maharashtra	22577	2	2315	24893	237896	26.09	165953	27.24
Orissa	5367	78	1142	6587	21800	2.39	8990	1.48
Punjab	7844	12	1780	9637	43785	4.80	42966	7.05
Rajasthan	5887	45	162	6094	24857	2.73	14563	2.39
Tamil Nadu	11341	48	1814	13203	88555	9.71	78400	12.87
Uttar Pradesh	9316	147	54	9516	73184	8.03	34941	5.74
All India	147657	1308	17504	166469	911783	100	609208	100

Source: National Bank for Agriculture and Rural Development

Table 2.149 Small Savings Collection in West Bengal vis-à-vis the Whole of India, 2002-03 to 2006-07

States / Country	Net savings (Rs. lakh)				
	2002-03	2003-04	2004-05	2005-06	2006-07
West Bengal	7613.08	8308.29	9645.53	9895.53	6238.93
All India	50937.17	61944.08	84221.29	67571.71	34863.09
Per cent	14.95	13.41	11.45	14.64	17.90

Source: Government of West Bengal, *Statistical Handbook 2007*

2.6 Panchayats and Rural Development Programmes

This section presents database of different aspects of panchayats and rural development programmes, namely number of panchayats, their members, own resource mobilization, revenue autonomy and fiscal autonomy of panchyats, and different rural development programmes, namely SGRY, NREGA, SGSY, IAY and PMGSY.

2.6.1 Panchayats

Gram panchayats in West Bengal, Kerala and Assam are large compared to other states of India. Average population of gram panchayats in Kerala in 2007 was 23789 while in West Bengal it was 17218 and in Assam it was 10783. Middle size gram panchayats having population between 5000 and 10000 exist in Orissa, Tripura, Jharkhand, Karnataka and Bihar while states having small gram panchayats of population 2000 to 5000 are Gujarat, Hariyana, Andra Pradesh, Uttar Pradesh, Tamil Nadu, Sikkim, Goa, Rajasthan, and Madhya Pradesh and those with very small size gram panchayats of average population below 2000 are Arunachal Pradesh, Uttarakhand, Punjab, Himachal Pradesh, Chattisgrah and Maharashtra (Table 2.150)..

Number and Members: As on 01.02.2006, 3354 gram panchayats with 49545 elected representatives, 341 panchayats samitis with 8483 elected representatives and 18 zilla parishads with 720 elected representatives were working in West Bengal (Table 2.151). Number of panchayat members by caste is shown in Table 2.152.

The Planning Commission has reently directed the states that Five year Plans and Annual Plans be prepared with the active participation of PRIs and municipalities. The Commission has issued a set of guidelines on these lines for preparation and execution of the Eleventh Five Year Plan (2007-12) and Annual Plan (2008-09) [*Panchayat Raj Update*, February 2007].

The Commission has laid down the following objectives of planning: increased production and productivity in agriculture and related sectors and traditional and small scale industries with a focus on employment generation and poverty alleviation; emphasis on resource management and integrated rural development; improvement in the quality of basic services being provided by local bodies, special emphasis to be laid on health, education, water supply, employment and sanitation, including waste management; increased social participation and measure to reduce gender inequality; improvement in the local administrative system especially in the areas of sensitivity, transparency, public participation and management; and improving/ increasing the efficiency of local bodies in the use of resources.

The Commission calls for effective utilization and local mobilization of additional resources and suggests imposition and effective recovery of mandatory and voluntary taxes and user taxes and bank loans to create long term assets and thus increase local body resources.

The Commission has urged local bodies to develop an integrated vision of development, to carefully plan to turn this vision into reality within a set time limit, to incorporate aims that can be monitored and confirmed regularly. It also suggests some general priorities; convergence of funds, restoration / maintenance of existing assets; development of traditional cottage industries and small industries for poverty alleviation; efforts to promote private investment especially in the area of employment generation; poverty alleviation programmes with highest priority to the poorest; integrated development of agriculture and related sectors; water supply; waste management; slum development, etc.

Since the local bodies have limited skills, District Collectors / Chief Executive Officers will impart training to all personnel/officers/local body representatives/panchayat functionaries of the district. In BRGF (Backward Regions Grant Fund) districts, training expenses will be drawn from funds available for this work. In other districts, training expenses will be drawn from funds available under the panchayat departments training scheme.

For the year 2008-09 Madhya Pradesh, West Bengal, Tamil Nadu and Kerala were adjudged as the top four states for empowering panchayati raj institutions. Each of the four states is given a cash award of Rs 1.50 crore. Karnataka, Sikkim, Himachal Pradesh and Harayana have secured the second place and each receives a cash prize of Rs 75 lakh. Chhattisgarh and Assam stood third, winning a cash amount of Rs 50 lakh each. Orissa, which was at the sixth rank in 2005-06, came down to the 18^{th} place.

The performance of the states was evaluated by the National Council of Applied Economic Research. The Panchayat Empowerment and Accountability Incentive Scheme, which is being implemented since 2005-06, aims at encouraging the states for empowering the panchayati raj institutions. Evaluation of the performance of the states of jammu and Kashmir and Jharkhand could not be done as panchayats elections were not held in these two states.Gujarat, Uttarakhand and Chandigarh also remained out of the evaluation process as they have not constituted District Planning Commitees so far.Performance of the union territories of Andaman and Nicobar Islands, Lakshawdeep and Puducherry could not be evaluated as they failed to respond to the questionnaire in this regard. The union territories of Dadra and Nagar Haveli and Daman Diu did not report the facts regarding constitution of State Finance Commission and holding of panchayats elections (*Panchayat Raj Update*, March 2009).

Table 2.150 Distribution of Gram Panchayat by Average Population in States of India

Very small gram panchayat (average population below 2000)	Small gram panchayat (population 2000 to 5000)	Middle gram panchayat (population 5000 to 100000)	Large gram panchayat (population above 10000)
Arunachal Pradesh (531)	Gujarat (2297)	Orissa (5019)	Assam (10783)
Uttarakhand (873)	Haryana (2429)	Tripura (5172)	West Bengal (17218)
Punjab (1294)	Andhra Pradesh (2528)	Jharkhand (5593)	Kerala (23789)

Himachal Pradesh (1691) Chhattisgarh (1822) Maharashtra (1953)	Uttar Pradesh (2432) Tamil Nadu (2768) Sikkim (2897) Goa (3582) Rajasthan (4712) Madhya Pradesh (2015)	Karnataka (6173) Bihar (8773)	

Notes :( ) Figures within parentheses indicate average population

Source: Govertnment of India, *Sixth Report of Administrative Reform Committee, 2007.*

Table 2.151 Number of Elected Members in Three Tier Panchayati Raj System in West Bengal vis-à-vis Other States of India, 2006 (As on 01.12.2006)

States	Gram panchayat		Panchayat samiti		Zilla parishad		Total	
	Number	Elected Represen-tatives	Number	Elected Represen-tatives	Number	Elected Represent-atives	No. of panchayat	Elected panchayat representati ves at all levels
West Bengal	3354	49545	341	8483	18	720	3713	58749
Andhra Pradesh	21913	208291	1095	14617	22	1095	22945	224003
Arunachal Pradesh	1639	6485	136	1639	14	136	1789	8260
Assam	2487	23453	203	2148	21	390	2431	25436
Bihar	8463	117397	531	11537	38	1157	9040	130091
Chhattisgarh	9820	157250	146	2977	16	321	9982	160386
Gujarat	13819	109209	224	4161	25	817	14068	114187
Haryana	6187	66256	119	2833	19	384	6325	69473
Himachal Pradesh	3243	25352	75	1667	12	251	3330	27270
Karnataka	5652	91402	176	3683	27	1005	5856	96090
Kerala	999	16139	152	2004	14	339	1165	18483
Madhya Pradesh	23051	388829	313	7164	48	884	23412	396877
Maharashtra	27918	223857	351	3902	33	1651	28302	229710
Orissa	6234	93781	314	6227	30	854	6578	100862
Punjab	12443	88132	140	2760	17	315	12605	91056
Rajasthan	9188	113637	237	5494	32	1040	9457	119804
Tamil Nadu	12618	109308	385	6570	29	656	13031	116488
Uttar Pradesh	52000	703294	820	65668	70	2698	52890	771661
Uttaranchal	7227	53988	95	3152	13	360	7335	57500
Total	233251	2657112	6105	157175	539	15459	239544	2828779

Source: Ministry of Panchayati Raj, Government of India.

Table 2.152 Number of Elected Representatives by Caste and Sex in West Bengal vis-à-vis Other Major States of India, 2006 (As on 01.11.2006)

States	Gram panchayat (GP)				Intermediate panchayat (IP)				District panchayat (DP)			
	SC	ST	Women	Total	SC	ST	Women	Total	SC	ST	Women	Total
West Bengal	14492	3628	18150	49545	2459	631	2953	8483	207	55	246	720
Andhra Pradesh	31243	16662	68736	208291	2586	1093	4919	14617	196	87	364	1095
Assam	1254	1337	8977	23453	159	144	791	2148	27	26	135	390
Bihar	16941	784	64152	117397	2307	91	5671	11537	192	9	577	1157
Gujarat	7615	21245	36403	109209	297	815	1394	4161	58	175	274	817
Haryana	14266	-	23897	66256	617	-	962	2833	82	-	135	384
Himachal Pradesh	8244	1626	8483	25352	416	108	559	1667	64	19	86	251
Karnataka	16997	9880	39318	91402	678	347	1519	3683	184	84	373	1005
Kerala	2052	267	6020	16139	250	26	748	2004	39	4	125	339
Madhya Pradesh	59889	110744	131671	388829	1078	1972	2393	7164	136	222	304	884

Maharashtra	26824	31826	77548	177646	447	528	1407	2877	225	267	658	1423
Orissa	15746	25453	33602	93781	1025	1704	2188	6227	139	219	296	854
Punjab	27440	-	30875	88132	894	-	922	2760	102	-	103	315
Rajasthan	24140	20248	40044	113637	1098	1025	2108	5494	194	193	391	1040
Tamil Nadu	22156	827	36824	109308	1369	47	2319	6570	139	3	227	656
Uttar Pradesh	174842	673	273889	703294	16453	51	24673	65668	655	2	1122	2698
Total	493505	319905	978707	2610912	33146	11598	58418	156150	2785	1707	5817	15231

Source: As in Table 2.151.

Own resource mobilization, revenue autonomy and fiscal autonomy of panchayats:

In India the issue of own resource mobilization (ORM) of panchayats has assumed great significance in recent years for sustaining rural development as well as the development of the country as a whole. It has become important on account of two recent landmark developments in the history of governance of the country, namely

i) Structural Adjustment Programme (SAP) of government of India since 1991,

ii) The 73rd Amendment Act of the Indian Constitution.

The SAP has led the State to gradually withdraw from economic, social and infrastructural development programmes and hence growth of panchayats' development receipts from government sources in real terms has been decelerating over the last decade. On the other hand, following the 73rd Constitutional Amendment of India, panchayats have been introduced as a distinct third tier of government in the rural areas and they have been given the constitutional responsibility of planning for economic development and social justice and enjoined to mobilize their own resources.

The other justifications for emphasis on ORM are -

i) Improvement of panchayats' revenue autonomy and fiscal autonomy which are largely determined by panchayats' own resources,

ii) Smoothing out large fluctuations over years in State's devolution of development funds to panchayats.

iii) Enlisting people's participation in planning and ensuring their contributions to implementation of development projects, and

iv) Improvement of the value of measure of self-governance.

Panchayats' own resources largely determine their fiscal autonomy (Subramanium 2003, ISSR). On the revenue side, a measure of autonomy captures the extent to which local bodies can raise their revenue independently, that is, on their own account with freedom to spend according to their own priority. Own income of local bodies is one component of fiscal decentralization and consists of revenue raised by way of tax as well as non-tax receipts. On the expenditure side a measure of autonomy reflects the extent of the right and the capacity of PRIs to allocate their resources.

Own revenue of panchayats come from tax and non-tax resources including voluntary contributions. Panchayats' tax receipts as well as voluntary contributions depend on rural people's willingness and capacity to pay, which in turn, depends on people's saving and investment. The performances of panchayats of most of the States of India in respect of own resource mobilization has, however, been not encouraging. Many government studies, e.g. Government of India (2001), Report of the Eleventh Finance Commission, Reports of the State Finance Commissions, Status Reports prepared by Department of Rural Development, Government of India reveal that in most of the States of India, panchayats significantly lag behind in respect of mobilization of substantial own revenue in relation to their total revenue. This has raised several issues concerning level, pattern of growth, structural changes and variation in own resource mobilization of panchayats and their autonomy across the States of India and also the factors that explain the revenue differential across the States. The present note seeks to address these and allied issues.

Reports of the 11th and 12th Finance Commissions and Census of India provide necessary database for our study. Fourteen major States of the country that account for 83.75 per cent of rural population of India come under our study. We have taken all tiers of panchayats, namely gram (village) panchayats, panchayat samitis (block or intermediate panchayats) and zilla parishads (district panchayats) together for our study since the 12th

Finance Commission Report does not contain panchayats' tier-wise data on own revenue of panchayats. The secondary data available for the period from 1990-91 to 2002-03 have been analyzed by using simple statistical tools like ratio, percentage, coefficient of variation, correlation and regression. Compound annual growth rate of panchayats (all tiers) has been estimated for 14 States of India. It is estimated by taking anti-log of the coefficient of time variable less one.

In 1990-91, of the panchayats in 14 States Andhra Pradesh panchayats (all tiers together) had the highest own source revenue (OSR) collected (Rs 62.69 crores accounting for 16.93 per cent of total OSR of panchayats of rural India) to be followed by Maharashtra (Rs 34. 21 crores accounting for 9.24 per cent) and Kerala (Rs 28.35 crores accounting for 8.45 per cent). In 2000-01, Maharashtra panchayats (Rs 327.08 crores accounting for 23.06 per cent of all-India OSR of panchayts) led other States, followed by Kerala (Rs 219.66 crores accounting for 15.49 per cent), Madhya Pradesh (Rs 199.49 crores accounting for 14.07 per cent) and Andhra Pradesh (Rs 151.65 crores accounting for 10.69 per cent). In 2002-03 also, the panchayats of Maharashtra (Rs 470.07 crores accounting for 28.60 per cent of all-India OSR of panchayats) led other States followed by Madhya Pradesh (Rs 232.68 crores accounting for 14.19 per cent) and Kerala (Rs 226.01 crores accounting for 13.75 per cent) and Andhra Pradesh (Rs 170.84 crores accounting for 10.39 per cent). Panchayats (all tiers) of West Bengal mobilized Rs 14.24 crores of OSR accounting for 3.84 per cent of OSR of panchayats of rural India in 1990-91; in 2002-03 the relative contribution of the State to total OSR of panchayats of rural India came down to 1.90 per cent. It is noteworthy that shares of Madhya Pradesh and Maharashtra to all-India OSR of panchayats increased substantially from 3.24 per cent and 9.24 per cent to 14.16 per cent and 28. 60 per cent respectively and that of Kerala from 8.45 per cent to 13.75 per cent during this period while those of other States registered decline.

Frequency distribution of 14 major States of India by amount of OSR collected by panchayats (all-tiers) reveals that in 1990-91 two States, namely Assam and Orissa belonged to the OSR group of below Rs 10 crores. These two States continued to remain so throughout the period (i.e., 1990-91 to 2002-03) under our consideration. In 1990-91, seven States, namely Madhya Pradesh, Karnataka, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal belonged to the OSR group of Rs 10 crores to Rs 24.99 crores. All these States except West Bengal got elevated to the next higher group, i.e., Rs 25.00 crores to Rs 49.99 crores group in 1995-96. Of these States Madhya Pradesh soared to the highest OSR group of Rs 150 crores and above in 2000-01 and continued to remain so till 2002-03 while other States got elevated to the next higher group of Rs 50 crores to Rs 99.99 crores in 2000-01 and continued to remain so in 2001-02 and 2002-03. In 1990-91, Maharashtra, Haryana and Kerala belonged to the Rs 25 crores to Rs 49.99 crores group, but in 1995-96 Maharashtra and Kerala got elevated to the next higher group, i.e., Rs 50 crores to Rs 99.99 crores. In 2000-01, both the States got promoted to the highest group of Rs 150.00 crores and above and continued to remain so in 2001-02 and 2002-03. In 1990-91, Andhra Pradesh belonged to the OSR group of Rs 50 crores to Rs 99.99 crores and got promoted to the next higher OSR group of Rs 100 crores to Rs 149.00 in 1995-96 and got lifted to the highest OSR group of Rs 150 crores and above in 2000-01 and continued to remain so in 2001-02 and 2002-03 (Table 2.153).

Table 2.153 Own Source Revenue in West Bengal vis-à-vis Other Major States of India (all tiers), 1990-91 to 2002-03

States/ Country	Amount (Rs crores)					Per cent				
	1990-91	1995-96	2000-01	2001-02	2002-03	1990-91	1995-96	2000-01	2001-02	2002-03
West Bengal	14.24	14.85	32.53	33.61	31.26	3.84	2.74	2.29	2.35	1.90
Andhra Pradesh	62.69	105.5	151.7	160.9	170.8	16.93	19.48	10.69	11.23	10.39
Assam	3.01	3.3	7.32	7.46	7.62	0.81	0.61	0.52	0.52	0.46
Gujarat	27.45	35.57	75.92	71.71	69.86	7.41	6.57	5.35	5.00	4.25
Haryana	29.39	38.53	70.14	76.25	78.36	7.94	7.11	4.95	5.32	4.77
Madhya Pradesh	11.94	29.7	142.09	142.45	174.8	3.22	5.48	10.20	9.94	10.63
Maharashtra	34.21	76.47	327.1	384.3	470.1	9.24	14.12	23.06	26.82	28.60
Karnataka	17.33	27.29	66.83	52.36	59.46	4.68	5.04	4.71	3.65	3.62
Kerala	31.31	77.93	219.7	193.7	226	8.45	14.39	15.49	13.52	13.75

Orissa	6	7.19	9.06	8.81	5.51	1.62	1.33	0.64	0.61	0.34
Punjab	21.56	49.93	80.66	65.03	98.78	5.82	9.22	5.69	4.54	6.01
Rajasthan	24.28	26.36	36.9	37.14	37.68	6.56	4.87	2.60	2.59	2.29
Tamil Nadu	24	32.12	57.2	62.37	65.44	6.48	5.93	4.03	4.35	3.98
Uttar Pradesh	22.75	37.37	63.7	64.16	69.27	6.14	6.90	4.49	4.48	4.21
All India	370.4	541.7	1418	1433	1644	100	100	100	100	100

Source: *Reports of the Eleventh and Twelfth Finance Commissions of India*, Government of India.

In 1990-91, of the panchayats in 14 States Andhra Pradesh panchayats (all tiers together) led other States in tax revenue collection (Rs 45.74 crores) to be followed by Kerala (Rs 28.35 crores), Maharashtra (Rs 24. 26 crores) and Gujarat (Rs 17.61 crores). In 2000-01, Maharashtra panchayats (Rs 204.47 crores) led other States, followed by Kerala (Rs 116.01 crores), Andhra Pradesh (Rs 74. 59 crores) and Karnataka (Rs 66.83 crores) in collection of own tax revenue. In 2002-03 also, the panchayats of Maharashtra (Rs 346.69 crores) led other States followed by Kerala (Rs 123.18 crores), Andhra Pradesh (Rs 77.60 crores), and Gujarat (Rs. 61.18 crores). Orissa panchayats had the lowest amount of tax collection (Rs 0.21 crore) led by Punjab (Rs 0.87 crores).

Per capita own source revenue of panchayats (PCOSRP) varies widely across the 14 States of India under our study. In 1990-91Haryana had the highest PCOSRP (all tiers together) (Rs 23.68) to be followed by Uttar Pradesh (Rs 20.50), Kerala (Rs 17.40) and Punjab (Rs 15.08). In 2000-01, Maharashtra (PCOSRP Rs 50.88) led other States, closely followed by Punjab (Rs 50.41), Haryana (Rs 46.76) and Madhya Pradesh (Rs 33. 75) and in 2002-03 also Maharashtra (Rs 82.43) led other States, followed by Punjab (Rs 60.21), Haryana (Rs 49.49) and Kerala (Rs 45.21) (Table 2.154).

Frequency distribution of 14 major States by amount of PCOSRP (all-tiers) reveals that in 1990-91 six States, namely Andhra Pradesh, Assam, Madhya Pradesh, Orissa, Tamil Nadu and West Bengal belonged to the PCOSRP group of below Rs 5. Of these States Madhya Pradesh and Tamil Nadu got upgraded to the PCOSRP group of Rs 5 to Rs 9.99 in 1995-96 and Madhya Pradesh rose still further to the highest group of Rs 20 and above in 2000-01 and continued to remain so in later years. In 1990-91 Karnataka, Maharashtra and Rajasthan belonged to the PCOSRP group of Rs 5 to Rs 9.99 and in 1995-96 Maharashtra got elevated to the next higher PCOSRP group of Rs 10 to Rs 19.99 and still further to the highest PCOSRP group of Rs 20.00 and above in 2000-01 and continued to remain so in later years. In 1990-91, Gujarat, Kerala and Punjab belonged to the PCOSRP group of Rs 10 to Rs 19.99. Of these three States Kerala and Punjab got elevated to the highest PCOSRP group, i.e., Rs 20.00 and above in 1995-96 and continued to remain so in later years. In 1990-91, Haryana and Uttar Pradesh belonged to the highest PCOSRP group of Rs 20 and above and of these two States Haryana continued to remain in the same group in later years while Uttar Pradesh got degraded to the lower PCOSRP group of Rs 10.00 to Rs 19.99 and in later years also continued to remain in the same group. West Bengal continued to remain in the PCOSRP group of Rs 5 to Rs 9.99 during 2000-01 to 2002-03.

Per capita own tax revenue of panchayats (PCOTRP) varies widely across the 14 States of India. In 1990-91, Kerala had the highest PCOTRP (all tiers together) (Rs 13. 37) to be followed by Gujarat (Rs 6.46) and Uttar Pradesh (Rs 5.60). In 2000-01, Kerala (PCOTRP Rs 49.16) continued to lead other States followed by Maharashtra (PCOTRP Rs 36.71) and Madhya Pradesh (Rs 20.69) and in 2002-03 Maharashtra (PCOTRP Rs 60.72) led other States, followed by Kerala (Rs 50.05) and Madhya Pradesh (Rs 25.09). West Bengal continued to remain in the lowest PCOTRP group of below Rs 5.00 during 1990-91 to 2002-03(Appendix Table 3).

Table 2.154 Per Capita Own Source Revenue in West Bengal vis-à-vis Other Major States of India (all tiers), 1990-91 to 2002-03 (Rs)

States/ Country	1990-91	1995-96	2000-01	2001-02	2002-03
West Bengal	2.88	2.78	5.63	5.73	5.25
Andhra Pradesh	1.28	2.03	2.75	2.88	3.02
Assam	1.51	1.53	3.14	3.15	3.16
Gujarat	10.13	12.65	21.24	25.51	19.55
Haryana	23.68	28.33	46.76	49.51	49.56

Karnataka	5.57	8.29	19.20	14.88	16.70
Kerala	14.77	34.95	93.08	80.39	91.83
Maharashtra	6.93	14.57	58.88	68.13	82.33
Madhya Pradesh	2.35	4.72	23.32	22.95	27.95

Table 2.154(continued)

States/ Country	1990-91	1995-96	2000-01	2001-02	2002-03
Orissa	2.19	2.45	2.90	2.79	1.72
Punjab	15.08	33.07	50.41	40.09	60.21
Rajasthan	7.16	6.88	8.52	8.38	8.29
Tamil Nadu	6.52	8.97	16.39	17.98	18.97
Uttar Pradesh	20.50	17.54	15.61	13.80	13.09
All India	5.95	8.63	22.39	22.59	22.87

Source: As in Table 2.153 and *Census of India*.

Frequency distribution of 14 major States by amount of PCOTRP (all-tiers) reveals that in 1990-91 eight States, namely Andhra Pradesh, Assam, Haryana, Madhya Pradesh, Orissa, Punjab, Rajasthan and West Bengal belonged to the PCOSRP group below Rs 2.00. Of these States Madhya Pradesh got upgraded to the highest PCOTRP group of Rs 15 and above in 2000-01 and continued to remain so in later years. In 1990-91, Karnataka, Maharashtra and Tamil Nadu belonged to the PCOTRP group of Rs 2.00 to Rs 4.99, which Karnataka and Tamil Nadu got elevated to the next higher PCOTRP group of Rs 5.00 to Rs 9.99 in 1995-96 of which again Tamil Nadu got elevated to the next higher PCOTRP group of Rs 10.00 to Rs 14.99 in 2000-01 and continued to remain so in later years. In 1990-91, Kerala belonged to the PCOTRP group of Rs 10.00 to Rs 14.99 and got elevated in 1995-96 to the highest PCOTRP group, i.e., Rs 15.00 and above and continued to remain so in later years. West Bengal continued to remain in the lowest PCOTRP group below Rs 2 during 1990-01 to 2002-03.

Per capita own non-tax revenue of panchayats (PCONTRP) varies widely across the 14 States of India. In 1990-91, Haryana (all tiers together) had the highest PCONTRP (Rs 22.89) to be followed by Uttar Pradesh (Rs 14.89) and Punjab (Rs 14.62). In 2000-01, Punjab (PCONTRP Rs 49.69) led other States followed by Kerala (Rs 43.92) and Haryana (Rs 41.85) and in 2002-03 also Punjab (PCONTRP Rs 59.68) led other States, followed by Haryana (Rs 44.12) and Kerala (Rs 41.78).

Frequency distribution of 14 major States by amount of PCONTRP (all-tiers) reveals that in 1990-91 seven States, namely Andhra Pradesh, Assam, Karnataka, Kerala, Orissa and West Bengal belonged to the PCONTRP group below Rs 2.00. Of these States Kerala and Madhya Pradesh got upgraded to the next higher PCONTRP group of Rs 2.00 to Rs 4.99 in 1995-96 and Madhya Pradesh rose to the high PCONTRP group of Rs 10 to Rs 14.99 in 2000-01 and continued to remain so in later years. In 1990-91, Gujarat, Maharashtra and Tamil Nadu belonged to the PCONTRP group of Rs 2.00 to Rs 4.99, of which Maharashtra got elevated to the highest PCONTRP group of Rs 15.00 and above and continued to remain so in later years. In 1990-91, Punjab and Uttar Pradesh belonged to the PCONTRP group of Rs 10 to Rs 19.99 of which Punjab to elevated in 2000-01 to the highest PCONTRP group , i.e., Rs 15.00 and above and continued to remain so in later years. West Bengal got elevated to the PCONTRP group of Rs 2.00 to Rs 4.99 during 2000-01 and continued to remain so in later years.

Pattern of Growth of Own Source Revenue of Panchayats: States of India registered differential growth rate of PCOSRP during 1990-91 to 2002-03. Orissa and Rajasthan witnessed statistically significant negative compound annual growth rate (CAGR) of per capita own source revenue (PCOSR). Three States, namely Andhra Pradesh, Gujarat and Uttar Pradesh recorded statistically significant CAGR varying between 1 per cent and 3 per cent during this period while Karnataka, Kerala and Punjab registered significant CAGR varying between 4 per cent and 6 per cent. Tamil Nadu witnessed 7 per cent CAGR while Maharashtra and Madhya Pradesh recorded CAGR above 10 per cent. Assam, Haryana and West Bengal registered CAGR of 2 per cent but that was statistically insignificant.

Structure of own source revenue of panchayats in India as a whole changed in favour of non-tax revenue, or in other words against tax revenue. The percentage share of own tax revenue to total own source revenue of

panchayats in the country decreased from 64.39 to 56.51 per cent during 1990-91 to 2002-03 while the share decreased in 8 States, namely Andhra Pradesh, Assam, Kerala, Orissa, Punjab, Tamil Nadu, Uttar Pradesh, and West Bengal. This percentage share increased in five States, namely Gujarat, Haryana, Maharashtra, Madhya Pradesh, and Rajasthan (Table 2.155).

Both revenue autonomy and fiscal autonomy of panchayats in West Bengal fluctuated widely during 1990-91 to 2002-03 and during 2002-03 in the State those were to the tune of 17.64 per cent (Table 2.156 & Table 2.157).

Table 2.155 Percentage Share of Own Tax Revenue to Total Own Source Revenue of Panchayats (all tiers) in West Bengal vis-à-vis Other Major States of India, 1990-91 to 2002-03

States/ Country	1990-91	1995-96	2000-01	2001-02	2002-03
West Bengal	38.44	39.87	27.67	28.47	31.56
Andhra Pradesh	72.95	54.65	49.19	47.30	45.42
Assam	99.00	97.90	99.04	99.06	98.95
Gujarat	63.79	72.84	87.66	88.10	87.58
Haryana	3.33	0.47	10.51	9.86	10.97
Kerala	90.52	89.43	90.37	76.46	85.82
Maharashtra	70.91	76.11	62.34	71.34	73.75
Madhya Pradesh	24.62	35.93	88.69	87.66	88.80
Orissa	61.86	65.37	5.30	5.45	3.81
Punjab	3.01	1.34	1.44	1.77	0.88
Rajasthan	9.10	11.23	12.88	12.90	12.85
Tamil Nadu	94.15	97.17	79.93	82.07	74.34
Uttar Pradesh	27.34	21.38	19.65	18.32	17.24
All India	64.39	55.75	53.14	56.59	56.51

Source: As in Table 2.153.

Table 2.156 Revenue Autonomy in West Bengal vis-à-vis Other Major States of India, 1990-91 to 2002-03 (Per cent)

States/ Country	1990-91	1995-96	2000-01	2001-02	2002-03
West Bengal	19.71	2.72	5.26	7.30	17.64
Andhra Pradesh	6.27	6.45	3.92	3.78	3.73
Assam	100.00	88.10	100.00	100.00	100.00
Gujarat	2.70	2.11	1.56	2.11	2.12
Haryana	63.49	63.44	32.85	21.83	20.82
Karnataka	1.35	0.98	1.42	1.20	1.38
Kerala	32.42	27.91	12.44	9.44	10.62
Maharashtra	3.27	3.08	8.25	8.35	8.81
Madhya Pradesh	5.11	6.14	23.70	23.81	30.64
Orissa	3.31	1.37	7.82	6.48	2.93
Punjab	22.12	28.15	58.09	59.10	55.32
Rajasthan	3.22	2.04	2.25	2.06	2.08
Tamil Nadu	5.62	9.48	8.80	16.07	7.35
Uttar Pradesh	4.75	5.22	9.88	9.66	10.12

All India	5.60	3.99	6.10	6.38	6.84

Note: Revenue autonomy is defined as ratio of own source revenue to total receipts of Panchayats.
Source: As in Table 2.153.

Table 2.157 Fiscal Autonomy in West Bengal vis-à-vis Other Major States of India, 1990-91 to 2002-03 (Per cent)

States	1990-91	1995-96	2000-01	2001-02	2002-03
West Bengal	11.76	2.57	5.26	7.30	17.64
Andhra Pradesh	6.27	6.33	3.45	3.38	3.34
Assam	***	8.17	99.46	99.07	98.83
Gujarat	2.54	1.98	1.85	2.03	2.72
Haryana	43.30	31.49	22.37	21.83	20.82
Karnataka	1.42	1.05	1.40	1.18	1.36
Kerala	31.72	25.77	11.06	8.62	9.60
Maharashtra	2.37	2.40	8.57	9.16	9.98
Madhya Pradesh	5.27	6.05	12.15	18.10	14.52
Orissa	3.31	1.37	7.82	6.48	3.02
Punjab	21.56	26.82	36.74	37.15	35.62
Rajasthan	3.27	2.06	2.20	2.01	2.04
Tamil Nadu	7.16	11.26	8.09	13.85	6.85
Uttar Pradesh	5.24	5.22	9.81	13.37	10.78
All India	5.18	3.73	5.89	5.98	6.77

Note: Fiscal autonomy is defined as ratio of own source revenue to total expenditure of Panchayats.
Source: As in Table 2.153.

2.6.2 Rural Development Programmes

In the rural development sector a plethora of schemes like Sampoorna Gramin Rojgar Yojana (SGRY), Swarnajayanti Gram Swarojgar Yojana (SGSY), National Rural Employment Guarantee Scheme (NREGS), Indira Awas Yojana (IAY), Prome Minister Gram Sadak Yojana (PMGSY), Provident Fund for Landless Agricultural Labourers (PROFLAL) and Rashtriya Sam Vikash Yojana (RSVY) etc. are being implemented. All these schemes are important and crucial for attaining the objectives of expanding livelihood opportunities and alleviating rural poverty.

Percentage of expenditure to funds available and that of utilization of foodgrains authorized under SGRY in West Bengal during 2006-07 and 2007-08 was less than that in India as a whole (Table 2.158 to 2.163). Under NREG Act (NREGA) total funds available, expenditure and work completed in the State accounted for around 4 per cent of the corresponding totals of the country in 2006-07 (Table 2.164 to 2.165).

Micro-Finance as a tool of poverty alleviation has generated a surge of interest following declaration in the Micro Credit Summit held in February 1997 that sought to ensure delivery of credit for self-employment to 100 million of the world's poorest families, especially the women by 2005. This sector has started late in West Bengal compared to its growth in Southern States, namely Andhra Pradesh, Karnataka, Kerala and Tamil Nadu but it is found to be growing exponentially from the year 2000 onwards. Under SGSY West Bengal accounted for 7.15 per cent of SHGs formed, 38.37 per cent of SHGs passed Grade I, 6.82 per cent of SHGs passed Grade II but only 2.35 per cent of SHGs taking up economic activities till 31st March 2007. During 2007-08 percentage of utilization of SGSY funds in West Bengal was 54.02 which was below the all-India utilization rate of 56.70 per cent (Table 2.167 to Table 2.169). Under IAY during the same year the State could utilize the funds available to the tune of 47.90 per cent which was less than 58.30 per cent for India as a whole (Table 2.170 &Table 2.171).

Under PMGSY percentage of expenditure in the State to the amount released upto May 2006 was 77.22 as against 98.31 in Madhya Pradesh and 82.86 in India as a whole. Upto December 2007 expenditure made by West Bengal under this Yojana accounted for 6.10 per cent of the total expenditure of India as a whole (Table 2.172 to Table 2.174).

Prime Minister Manmohan Singh launched 'Backward Regions Grant Fund' (BRGF), which aims to bridge regional disparities in development in Barpeta (Assam) on 19th February 2007. The programme covers 250 districts. The union government provides Rs. 3, 750 crore per annum for the scheme.

Percentage of developmental expenditure to revenue receipts in West Bengal declined from 71.77 per cent in 1980-81 to 63.37 per cent in 2007-08 while the state ranked second after Andhra Pradesh in respect of this percentage (Table 2.175).

Table 2.158 SGRY: Financial Performance in West Bengal vis-à-vis the Whole of India, 2006-07 (Rs in Lakh)

State/Country	Opening balance (as on 1.4.2006)	Total funds allocation	Total funds released	Total available funds	Funds utilised/ expenditure	Percent of expenditure
West Bengal	6686.65	20880.76	18764.59	26487.51	19453.23	73.44
All India	38862.19	387886.87	432376.45	500735.68	385352.69	76.96
Per cent	17.21	5.38	4.34	5.29	5.05	-

Source: Ministry of Rural Development, *Annual Report 2007-08.*

Table 2.159 SGRY: Physical Performance in West Bengal vis-à-vis the Whole of India, 2006-07

State/ Country	Employment generated (lakh mandays)						Number of works	
	SC	ST	Others	Total	Women	Landless	Completed	In progress
West Bengal	75.37	23.49	67.09	165.95	32.97	0.01	59374	24458
All India	1529.42	650.02	2061.65	4241.09	1007.67	1007.67	935376	199013
Per cent	4.93	3.61	3.25	3.91	3.27	0.00	6.35	12.29

Source: Ministry of Rural Development, *Annual Report 2007-08*

Table 2.160 SGRY: Details of Foodgrains Authorised, Lifted and Utilised in West Bengal vis-à-vis the Whole of India, 2006-07 (Tonnes)

State/ Country	Allocation	Current year autho risation of foodgrains	Total authorisation	Current year's lifting	Percent of lifting	Total lifted	Current year utilisation	Percent of utilisation
West Bengal	95320	95320	102707.49	91121	88.72	129653	96976	74.80
All India	1708551	1700026	2422673.71	1305204	53.87	1600700	1269181	79.29
Per cent	5.58	5.61	4.24	6.98	-	8.10	7.64	-

Source: Ministry of Rural Development, *Annual Report 2007-08.*

Table 2.161 SGRY: Financial Performance in West Bengal vis-à-vis the Whole of India, 2007-08 (Rs lakh)

State/Country	Opening balance (as on 1.4.2006)	Total funds allocation of funds during current year	Total funds released	Total available funds	Funds utilised/ expenditure	Percentage of expenditure
West Bengal	70.32	1040.51	783.49	916.69	589.57	64.32
All India	13415.20	220278.33	156620.99	215626.46	141534.79	65.64
Per cent	0.52	0.47	0.50	0.43	0.42	97.99

Source: Ministry of Rural Development, *Annual Report 2007-08*

Table 2.162 SGRY: Physical Performance in West Bengal vis-à-vis the Whole of India, 2007-08

State/ Country	Mandays (in lakh) generated						Number of works	
	SC	ST	Others	Total	Women	Landless	Completed	In progress
West Bengal	101.36	0.04	2.79	6.04	0.62	1.12	1007	203
All India	435.49	151.31	587.35	1174.15	332.50	476.20	261380	186251
Per cent	23.27	0.03	0.48	0.51	0.19	0.24	0.39	0.11

Source: Ministry of Rural Development, *Annual Report 2007-08*

Table 2.163 SGRY: Details of Foodgrains Authorised, Lifted and Utilised in West Bengal vis-à-vis the Whole of India, 2007-08 (in Tonnes)

State/ Country	Allocation	Current year autho-risation of foodgrains	Total authorisation	Current year's lifting	Percent of lifting	Total Lifted	Current year utilisation	Percent of utilisation
West Bengal	4684	4684	4684	2152	46	4265	2616	61.35
All India	961285	955343	1227955	297786	24	390348	283402	72.60
Per cent	0.49	0.49	0.38	0.72	191.67	1.09	0.92	84.50

Source: Ministry of Rural Development, *Annual Report 2007-08*.

Table 2.164 NREGA: Physical & Financial Progress in West Bengal vis-à-vis the Whole of India, 2006-07

(Rs. in lakh)

State/ Country	Number of households demanded employment	Number of households provided employment	Person days in lakhs					Funds Available (lakhs)	Expenditure (lakhs)	Work on going	Work completed
			Total	SCs	STs	Women	Others				
West Bengal	2573380	2425415	280.9	86.9	38.1	45.0	156.02	51834.7	25852.8	14176	11884
All India	17020029	16490951	6200.5	1558.1	2296.0	2426.5	2346.4	1073151.0	588079.8	400428	279455
Per cent	15.12	14.71	4.53	5.58	1.66	1.85	6.65	4.83	4.40	3.54	4.25

Source: Ministry of Rural Development, *Annual Report 2006-07*.

Table 2.165 Funds Released under NREGA in West Bengal vis-à-vis the Whole of India, 2005-06 & 2006-07

(Rs. in Lakh)

State/Country	No. of districts Identified	Release for NREGA		
		2005-06	2006-07	Total
West Bengal	10	17038.15	30858.84	47896.99
All India	200	229256.74	738206.53	967463.27
Per cent	5.00	7.43	4.18	4.95

Source: Ministry of Rural Development, *Annual Report* 2006-07.

Table 2.166 Number of Districts, Blocks and Area Covered under Drought Prone Area Programme in West Bengal vis-à-vis the Whole of India, 2006-07

State/ Country	Number of districts	Number of blocks	Area in sq kms

West Bengal	4	36	11594
All India	182	972	745914
Per cent	2.20	3.70	1.55

Source: Ministry of Rural Development, *Annual Report 2006-07*.

Table 2.167 SGSY: Physical Progress in West Bengal vis-à-vis the Whole of India, 2006-07 (Number)

State/Country	SHGs formed since 1.4.99	Number of SHGs passed grade – I	Number of SHGs passed grade – II	Number Of SHGs taking up economic activity	Members covered under SHGs	Number of individual swarozgaris	Number of assisted swarozgaris
West Bengal	174359	25173	4477	823	78	14990	309958
All India	2437913	65598	65598	34956	919354	62342	981696
Per cent	7.15	38.37	6.82	2.35	0.01	24.04	31.57

Source: Ministry of Rural Development, *Annual Report 2006-07*

Table 2.168 SGSY: Physical Progress in West Bengal vis-à-vis the Whole of India, 2006-07

State/Country	Coverage of disadvantaged groups (number)				Coverage of disadvantaged groups (per cent)			
	SC	ST	Women	Handicapped	SC	ST	Women	Handicapped
West Bengal	4527	872	9281	28	36.63	7.06	75.10	0.23
All India	213364	99309	390840	7094	32.37	15.07	59.30	1.08
Per cent	2.12	0.88	2.37	0.39	-	-	-	-

Source: Ministry of Rural Development, *Annual Report 2006-07*

Table 2.169 SGSY: Financial Progress in West Bengal vis-à-vis the Whole of India, 2007-08 (Rs lakh)

State/Country	Opening balance as on 1.4.2007	Allocation			Releases		Percent of central releases	Utilisation of funds	Percent of utilisation to funds
		Central	State	Total	Central	State			
West Bengal	2025.43	11414.72	3804.91	15219.63	8324.48	930.60	72.93	6156.33	54.02
All India	28622.25	170224.00	56658.00	226882.00	117653.92	27308.51	69.12	101327.14	56.70
Per cent	7.08	6.71	6.72	6.71	7.08	3.41	-	6.08	-

Source: Ministry of Rural Development, *Annual Report 2007-08*

Table 2.170 Indira Awaas Yojana (IAY)* State-wise Financial Performance in West Bengal vis-à-vis the Whole of India, 2007-08 (Rs lakh)

State/Country	Opening balance as on 01.4.2007	Total allocation	Total releases	Total availability	Utilisation	Per cent of utilisation
West Bengal	5538.41	38427.35	30044.44	35627.63	17066.29	47.90
All India	124548.64	537418.59	395439.64	552892.25	322314.90	58.30
Per cent	4.45	7.15	7.60	6.44	5.29	-

Note: ***** Position as on 12.02.2008
Source: Ministry of Rural Development, *Annual Report 2007-08*

Table 2.171 Indira Awaas Yojana (IAY)* State-wise Physical Achievements in West Bengal vis-à-vis the Whole of India, 2007-08 (Unit in number)

State/Country	Annual target	Total houses completed	Houses under construction	Percent of target achieved
West Bengal	153709	63656	36567	41.41
All India	2127184	1092426	847178	51.36
Per cent	7.23	5.83	4.32	-

Source: Ministry of Rural Development, *Annual Report 2007-08*

Table 2.172 Allocation / Expenditure under Pradhan Mantri Gram Sadak Yojana in West Bengal vis-à-vis the Whole of India, 2001-02 to 2003-04 (Rs. Crore)

State/Country	Allocation			Expenditure	
	2001-02	2002-03	2003-04	2000-012	2001-02 & 2002-03
West Bengal	135.00	135.00	135.00	102.22	99.56
All India	2375.00	2375.00	2255.00	2175.80	2450.28
Per cent	5.68	5.68	5.99	4.70	4.06

Source: Planning Commission, *Annual Plan 2003-04*

Table 2.173 Physical and Financial Status and Achievements under PMGSY in West Bengal vis-à-vis the Whole of India, 2006 (Rs crores, length in kms)

States / India	Amount released upto 25.05.06)	Number of road works	Length of road works	Number of road works completed upto May 2006	Length of road works completed upto May 2006	Percentage of completed road works upto May 2006	Percentage of length completed upto May 2006	Expen-diture upto May 2006	Percentage of expendi-ture to amount released upto May 2006
West Bengal	1203.45	1274	7650.14	683	3471.4	53.61	45.38	929.36	77.22
Andhra Pradesh	1011.47	4580	13284.1	3564	8535	77.82	64.25	914.62	90.42
Assam	721.29	1294	4385.87	640	1558.26	49.46	35.53	609.5	84.5
Bihar	592.8	1297	5239.6	613	1609.76	47.26	30.72	504.84	85.16
Gujarat	284.87	1553	3250.02	1139	2373.75	73.34	73.04	274.54	96.37
Haryana	201.18	111	1575.51	77	1107.85	69.37	70.32	163.38	81.21
Karnataka	506.24	1921	7240.01	1518	5015.49	79.02	69.27	403.63	79.73
Kerala	121.97	443	837.04	192	345.8	43.34	41.31	75.33	61.76
Madhya Pradesh	2102.5	5562	26456.39	2271	10529.22	40.83	39.8	2066.99	98.31
Maharashtra	596.21	2148	5146.84	1508	3245.59	70.2	63.06	485.94	81.5
Orissa	1445.96	2880	9514.74	1663	5137.43	57.74	53.99	1147.02	79.35
Punjab	176.3	508	1282.78	412	815.11	81.1	63.54	166.77	94.59
Rajasthan	2395.6	8865	30877.01	4374	15427.75	49.34	49.97	1926.34	80.41

Tamil Nadu	491.87	2604	5040.68	1738	3121.72	66.74	61.93	366.78	74.57
Uttar Pradesh	2193.87	11186	21227.95	7957	13657.31	71.13	64.34	1624.25	74.04
All India	17483	53571	178124.29	32108	93717.42	59.94	52.61	14486.92	82.86

Source: www.pmgsy.org

Table 2.174 Physical & Financial Progress under Pradhan Mantri Gram Sadak Yojana (PMGSY) in West Bengal vis-à-vis the Whole of India, 2007 (Rs. in Crore)

State/Country	Value of proposal cleared	Amount released upto 28.11.2007	Number of road works	Number of road works completed upto November 2007	Expenditure as on December 2007
West Bengal	3456.60	1845.31	1718	920	1602.43
All India	59573.25	29123.01	73489	44290	26277.80
Per cent	5.80	6.34	2.34	2.08	6.10

Source: Ministry of Rural Development, *Annual Report 2007-08*

Table 2.175 Percentage of Developmental Expenditure to Revenue Receipts in West Bengal vis-à-vis Other Major States in India, 1980-81 to 2007-08

States	Percentage of developmental expenditure to revenue receipts							
	1980-81	1990-91	2000-01	2003-04	2004-05	2005-06	2006-07	2007-08*
Andhra Pradesh	67.83	73.72	73.73	65.58	63.10	60.82	58.49	64.70
Bihar	63.68	72.40*	71.38*	53.50*	43.47	51.74	51.72	50.26
Gujarat	64.21	85.03	100.68	69.07	69.75	56.13	54.77	55.11
Haryana	65.72	67.71	61.59	57.92	57.56	56.38	62.62	53.89
Karnataka	63.52	69.32	70.97	55.96	53.57	55.50	56.87	60.60
Maharashtra	62.70	70.39	74.43	63.64	68.10	60.35	56.70	59.36
Orissa	64.51	68.65	67.35	58.06	48.38	47.08	44.35	50.28
Punjab	69.63	82.81	54.32	51.96	52.68	43.13	46.90	48.99
Rajasthan	63.86	63.84	68.06	67.43	63.35	60.83	57.04	62.44
Tamil Nadu	64.67	80.17	67.81	55.70	53.20	50.32	50.90	53.29
Uttar Pradesh	63.14	74.08	59.77	92.69	53.34	51.52	47.29	49.50
West Bengal	71.77	84.11	83.80	66.71	61.17	60.84	61.50	63.37

Notes: * Percentage has been calculated on the basis of Revised Estimates
Figures relate to the percentage of developmental expenditure (Revenue Account) over revenue receipt.

Sources: (1) *Reports on Currency and Finance*, Reserve Bank of India,
(2) *State Finances, A Study of Budgets*, Reserve Bank of India.

2.7 State Domestic Product and Consumer Expenditure

This section presents database of different aspects of State domestic product, namely its trend and composition, per capita income, and also per cpita consumer expenditure by class, region and growth.

2.7.1 Net State Domestic Product:

Central Statistical Organization regularly publish State domestic product of India across States of the country. West Bengal with Rs 161015 crores of net State domestic product at factor cost and at constant (1999-00) price ranked third following Maharashtra and Uttar Pradesh. Share of West Bengal in Net State Domestic Product (NSDP) of India remained constant at around 7.75 per cent during 1999-2000 to 2004-05. During 2004-05 agriculture accounted for 22.04 per cent of NSDP and manufacturing 9.25 per cent, and services 62.64 per cent. The State recorded lower growth rate in both gross state domestic product (GSDP) and per capita GSDP during 1980-81 to 1990-91 than India as a whole but during the later period, i.e., 1993-4 to 2000-01 both the growth rates of West Bengal exceeded those of the country. During 1993-94 to 2004-05 the State recorded 7.1 per cent annual growth rate of GSDP, next to Gujarat (7.3 per cent) but higher than seven other top performing States, namely Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Haryana, Maharashtra and Punjab while it recorded the highest growth rate in per capita GSDP (5.5 per cent per annum) among these top performing States. Per capita income of the State was, however, lower than that of the whole country during 1993-94 to 2004-05 excepting 2001-02. During 2004-05, per capita income at factor cost of West Bengal was Rs 19191 at constant (1999-00) price and West Bengal ranked ninth among fourteen major States of India (Table 2.176 to Table 2.179).

Table 2.176 Net State Domestic Product at Factor Cost in West Bengal vis-à-vis Other Major States of India at Constant (1999-00) Price (Rs. Crore)

States/ India	1993-94	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
West Bengal	77100	109279	124808	129222	138639	143496	151204	161015
Andhra Pradesh	83651	110179	116966	126402	132108	135881	149067	157975
Assam	28119	30408	32011	32821	33668	35708	37905	39777
Bihar	35796	42857	45917	53504	50393	56765	53654	60032
Gujarat	58707	89551	92541	86431	93455	101603	118525	125599
Haryana	35295	45874	47123	50891	54863	58135	63441	69260
Karnataka	54765	79909	86396	91413	93340	97389	100563	108948
Kerala	44598	57225	60643	62523	65594	70211	74739	80091
Madhya Pradesh	52213	67410	72655	66750	71525	67795	75400	78101
Maharashtra	151467	195524	217198	210526	217807	232745	249458	270350
Orissa	29811	35884	38200	37395	39678	39658	45319	51086
Punjab	46281	57371	61094	63182	64000	65360	68842	72446

Rajasthan	44135	70759	74174	71764	79936	70333	92712	90445
Tamil Nadu	80130	109397	119367	125917	123546	124306	132058	147093
Uttar Pradesh	119073	143203	156331	159668	162577	167761	176348	182870

Sources: 1. Brochures on State Domestic Product issued by Different States.
2. www.mospi.nic.in
3. *Economic Survey*, Govt. of India

Table 2.177 Net State Domestic Product by Industry of Origin in West Bengal vis-à-vis Other Major States of India at Constant (1999-00) Price, 2005-06 (Rs crore)

State		Agriculture and allied activities				NSDP
		Agriculture	Forestry and logging	Fishing	Total (2+3+4)	
	1	2	3	4	5	
West Bengal	Value	38308	1469.6	5079.7	44857.2	173800.3
	Percentage share	22.04	0.85	2.92	25.81	100
Andhra Pradesh	Value	41656.3	1378	3574	46608.3	171462
	Percentage share	24.29	0.80	2.08	27.18	100
Assam	Value	12053.4	447.1	584.6	13085.2	42149.7
	Percentage share	28.60	1.06	1.39	31.04	100
Bihar	Value	15695.4	1117.8	978.6	17791.8	59597.5
	Percentage share	26.34	1.88	1.64	29.85	100
Gujarat	Value	27935	343	1102	29380	145036
	Percentage share	19.26	0.24	0.76	20.26	100
Haryana	Value	16964.6	464	90.1	17518.6	75722.4
	Percentage share	22.40	0.61	0.12	23.14	100
Karnataka	Value	22474.9	1535.2	568.3	24578.4	121107
	Percentage share	18.56	1.27	0.47	20.29	100
Kerala	Value	12171.2	1646.5	1252.9	15070.6	85759.3
	Percentage share	14.19	1.92	1.46	17.57	100
Madhya Pradesh	Value	20993.1	1409.8	186.7	22589.6	81005.7
	Percentage share	25.92	1.74	0.23	27.89	100
Maharashtra	Value	38799.9	1420.5	893.5	41113.9	302952.9
	Percentage share	12.81	0.47	0.29	13.57	100
Orissa	Value	12504.9	1173.9	626.3	14305.1	54167.2
	Percentage share	23.09	2.17	1.16	26.41	100
Punjab	Value	26361	218.1	263.4	26842	76490
	Percentage share	34.46	0.29	0.34	35.09	100
Rajasthan	Value	26279	1689.9	64.3	28033.2	90625.2

	Percentage share	29.00	1.86	0.07	30.93	100
Sikkim	Value	237.4	11.7	0.6	249.6	1191.2
	Percentage share	19.93	0.98	0.05	20.95	100
Tamil Nadu	Value	19436	573.4	2018.6	22028.1	157842.1
	Percentage share	12.31	0.36	1.28	13.96	100
Uttar Pradesh	Value	57480.6	1870.4	770.3	60121.3	192875.7
	Percentage share	29.80	0.97	0.40	31.17	100

Table 2.177 (Continued)

State	Year	Industry					
		Mining and quarrying	Manufacturing			Electricity, gas and water supply	Total (6+9+10)
			Regi stered	Unregistered	Sub-total (7+8)		
	1	6	7	8	9	10	11
West Bengal	Value	2057.6	7447.7	8635.5	16083.2	1934.3	20075.1
	Percentage share	1.18	4.29	4.97	9.25	1.11	11.55
Andhra Pradesh	Value	5210	11493.1	5462.8	16955.8	2182.2	24348
	Percentage share	3.04	6.70	3.19	9.89	1.27	14.20
Assam	Value	1332.1	3024.1	678.8	3702.9	428.7	5463.6
	Percentage share	3.16	7.17	1.61	8.79	1.02	12.96
Bihar	Value	49.8	1249.8	2413	3662.8	240.5	3953.1
	Percentage share	0.08	2.10	4.05	6.15	0.40	6.63
Gujarat	Value	2485	26654	10188	36842	2985	42312
	Percentage share	1.71	18.38	7.02	25.40	2.06	29.17
Haryana	Value	282	9621.5	3473.3	13094.8	481.5	13858.3
	per cent share	0.37	12.71	4.59	17.29	0.64	18.30
Karnataka	Value	912.9	11275.2	5140.6	16415.8	1628.1	18956.8
	Percentage share	0.75	9.31	4.24	13.55	1.34	15.65
Kerala	Value	105.9	3012.4	3203.7	6216.1	802.7	7124.7
	Percentage share	0.12	3.51	3.74	7.25	0.94	8.31
Madhya Pradesh	Value	2698.5	3444.6	2784.8	6229.4	1682.2	10610.1
	Percentage share	3.33	4.25	3.44	7.69	2.08	13.10
Maha-rashtra	Value	2285.1	32904	12338.8	45242.8	5682.2	53210
	Percentage share	0.75	10.86	4.07	14.93	1.88	17.56
Orissa	Value	3462.4	5220.6	1072	6292.6	518.9	10273.9
	Percentage share	6.39	9.64	1.98	11.62	0.96	18.97
Punjab	Value	28.8	5411	4371.5	9782.5	1529.2	11340

	Percentage share	0.04	7.07	5.72	12.79	2.00	14.83
Rajasthan	Value	2414.8	3624.9	4124.1	7749	1504.4	11668
	Percentage share	2.66	4.00	4.55	8.55	1.66	12.88
Sikkim	Value	1.1	16.1	26.8	42.9	48.9	93
	Percentage share	0.09	1.35	2.25	3.60	4.11	7.81
Tamil Nadu	Value	1159.4	16395.8	9706.4	26102.2	12639.7	39901
	Percentage share	0.73	10.39	6.15	16.54	8.01	25.28
Uttar Pradesh	Value	2488.2	9617.8	10573.1	20191	5867.2	28546.4
	Percentage share	1.29	4.99	5.48	10.47	3.04	14.80

Table 2.177 (Continued)

State	Year	Services							
		Cons-truction	Trans-port storage, and communi cation	Trade, hotels and restau-rants	Banking and insurance	Real estate, owner- ship of dwelling and business services	Public admini-stration	Other services	Total (12 to 18)
	1	12	13	14	15	16	17	18	19
West Bengal	Value	12765.1	13662.9	28528	11133.2	17483.9	7861.9	17432.7	108868
	Percentage share	7.34	7.86	16.41	6.41	10.06	4.52	10.03	62.64
Andhra Pradesh	Value	11659.9	16125	25388.2	8819.1	13583.8	7049.5	17880.4	100505.7
	Percentage share	6.80	9.40	14.81	5.14	7.92	4.11	10.43	58.62
Assam	Value	2402.8	2664.2	6749.3	1429.6	1117.6	2309.8	6927.8	23600.9
	Percentage share	5.70	6.32	16.01	3.39	2.65	5.48	16.44	55.99
Bihar	Value	3330.9	4325.3	13275.8	2626	1261.8	3818.8	9214	37852.6
	Percentage share	5.59	7.26	22.28	4.41	2.12	6.41	15.46	63.51
Gujarat	Value	10591	9753	25632	9144	6171	4003	8050	73344
	Percentage share	7.30	6.72	17.67	6.30	4.25	2.76	5.55	50.57
Haryana	Value	7786.7	6481.9	13229.7	2689.4	7309.9	1861.2	4986.8	44345.5
	Percentage share	10.28	8.56	17.47	3.55	9.65	2.46	6.59	58.56
Karnataka	Value	9570	9210.4	18498.9	8651.5	16763.7	4479.1	10398.3	77571.8
	Percentage share	7.90	7.61	15.27	7.14	13.84	3.70	8.59	64.05
Kerala	Value	11150.2	9993.4	18670	5586.8	6906.4	3766.9	7490.5	63564
	Percentage share	13.00	11.65	21.77	6.51	8.05	4.39	8.73	74.12
Madhya Pradesh	Value	6198.6	6412.6	13554.7	4076.8	5275.9	3482.3	8805.2	47806
	Percentage share	7.65	7.92	16.73	5.03	6.51	4.30	10.87	59.02
Maharashtra	Value	19408.8	26390.7	56556.8	37820.5	34435.8	12232.8	21783.2	208629
	Percentage share	6.41	8.71	18.67	12.48	11.37	4.04	7.19	68.87
Orissa	Value	2550	5104.6	7227.4	2209	2918.6	2282.7	7295.8	29588.2
	Percentage share	4.71	9.42	13.34	4.08	5.39	4.21	13.47	54.62

Punjab	Value	5935.6	5329.9	10602.7	4169.6	2281.9	3363.7	6625	38308
	Percentage share	7.76	6.97	13.86	5.45	2.98	4.40	8.66	50.08
Rajasthan	Value	9923.9	6508.8	14198.4	4029.9	5218.4	3352.9	7691.3	50924
	Percentage share	10.95	7.18	15.67	4.45	5.76	3.70	8.49	56.19
Sikkim	Value	234.4	24.9	69.4	41.5	79.3	195.5	203.7	848.6
	Percentage share	19.68	2.09	5.83	3.48	6.66	16.41	17.10	71.24
Tamil Nadu	Value	1055.9	16234.5	29390.9	13794.1	11920.8	7104.7	16412	95913
	Percentage share	0.67	10.29	18.62	8.74	7.55	4.50	10.40	60.77
Uttar Pradesh	Value	15744.3	16932.8	25146	8673.1	10333.1	10735.3	16643.6	104208
	Percentage share	8.16	8.78	13.04	4.50	5.36	5.57	8.63	54.03

Source: www.mospi.nic and CMIE-NAS, October 2006.

Table 2.178 Per Capita Income at Factor Cost in West Bengal vis-à-vis Other Major States of India at Constant (1999-00) Price, 1993-94 to 2004-05 (Rs)

States	1993-94	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
West Bengal	10770	14051	15826	16185	17173	17515	18232	19191 (9)
Andhra Pradesh	11923	14701	15507	16622	17260	17486	18961	19871 (7)
Assam	11945	11839	12282	12447	12529	13072	13675	14149 (11)
Bihar	5232	5530	5766	6535	5972	6634	6158	6771 (15)
Gujarat	13464	18878	18864	17227	18200	19509	22387	23346 (5)
Haryana	2005	2303	23121	24328	25557	2662	28484	30502 (1)
Karnataka	11582	15588	16703	17405	17505	18045	18400	19692 (8)
Kerala	14927	18360	19294	19724	20519	21699	22848	24217 (4)
Madhya Pradesh	10144	11741	12384	11150	11715	10880	11870	12068 (13)
Maharashtra	18101	21097	23011	21892	22242	23422	24707	26359 (3)
Orissa	9009	10067	10567	10211	10701	10575	11951	13329 (12)
Punjab	21502	24248	25611	25990	25994	26065	26955	27951 (2)
Rajasthan	9429	13352	13619	12840	13933	12054	15579	14908 (10)
Tamil Nadu	13844	17921	19378	20249	19691	19628	20672	22835 (6)
Uttar Pradesh	8512	9126	9719	9700	9651	9780	10080	10250 (14)

Source: Government of West Bengal (2008).

Table 2.179 Annual Growth of GSDP (Gross State Domestic Product) and Per Capita GSDP in West Bengal vis-à-vis Other Major States of India, 1993-94 to 2004-05 (per cent)

Major States	GSDP at constant prices*			Per capita GSDP*		
	1993-94 to 1999-2000	1999-2000 to 2004-05	1993-94 to 2004-05	1993-94 to 1999-2000	1999-2000 to 2004-05	1993-94 to 2004-05
Bihar	4.4	4.7	4.6	1.7	2.4	2
Orissa	4.3	5.9	5	3	4.3	3.6
Uttar Pradesh	4.6	4.2	4.4	2.3	1	1.7
Rajasthan	8.2	4.8	6.6	5.5	2.5	4.1
Madhya Pradesh	5.4	2.9	4.3	3.4	0.9	2.2
West Bengal	7.1	7	7.1	5.4	5.6	5.5
Andhra Pradesh	5.5	6.5	5.9	4.1	5.4	4.7
Karnataka	7.6	6.1	6.9	6	4.7	5.4
Kerala	5.6	6.8	6.2	4.5	6.2	5.3
Tamil Nadu	6.6	4.1	5.5	5.5	3.1	4.4
Gujarat	7.8	6.7	7.3	6.1	4.3	5.3

Haryana	5.9	6.9	6.3	3.8	4.1	3.9
Maharasthra	6.2	5	5.7	4.1	3.4	3.8
Punjab	4.8	3.9	4.4	1.9	-6.7	-2.1
All 14 States	6.1	5.3	5.7	4.1	2.5	3.4
Coefficient of variation	23.1	24.5	18.7	36.6	128.2	61.3

Notes: *Average annual compound growth rates. The estimate of group mean is unweighted
**Rank based on per capita GSDP 1993-94
Source: Estimates based on NAS available at www.mospi.nic and CMIE-NAS, October 2006

2.7.2 Monthly Per Capita Consumption Expenditure:

Monthly per capita expenditures (MPCE) on food and education in both rural and urban West Bengal were higher than those of both rural and urban India during 2005-06 while percentage share of education in MPCE was also higher in the State. In rural West Bengal percentage of persons in MPCE class below Rs 235 was lower while that of MPCE class below Rs 335 was higher in urban West Bengal. Six year growth of average per capita consumer expenditure (APCE) in West Bengal during 1993-94 and 1999-2000 was, however, lower than that of India as a whole in both rural and urban areas (Table 2.180 to Table 2.186).

Table 2.180 Average Monthly Consumer Expenditure Per Person on Food and Non-Food Items in West Bengal vis-à-vis the Whole of India –Rural (July 2004-June 2005) (per capita per month)

State/Country	Consumer expenditure(Rs)		
	Food	Non-food	Total
West Bengal	329.33	232.18	562.11
All India	307.6	251.19	558.78

Source: NSSO, *Report No. 508, Level and Pattern of Consumer Expenditure in India 2004-2005*, 61st Round, December 2006

Table 2.181 Monthly Per Capita Expenditure (MPCE) in West Bengal vis-à-vis the Whole of India, 2005-06 (Rs)

State/ Country	Food Total	Fuel And Light	Clothing & Footwear	Education	Medical	Durable Goods	Others	Total Consumer Expenditure
Rural								
West Bengal	345.42	58.08	38.25	19.04	41.62	11.70	68.51	582.62
All India	333.15	60.41	45.47	16.98	43.60	21.95	102.97	624.53
Per cent	103.7	96.1	84.1	112.1	95.5	53.3	66.5	93.3
Urban								
West Bengal	490.23	122.20	87.19	92.39	97.18	34.21	309.42	1232.82
All India	467.82	109.55	75.67	72.58	70.71	46.83	327.17	1170.60
Per cent	104.8	111.5	115.2	127.3	137.4	73.1	94.6	105.3

Source: N.S.S. 62nd Round, July 2005 to June 2006

Table 2.182 Percentage Distribution of Persons Over MPCE Classes in West Bengal vis-à-vis the Whole of India, 2005-06

State/ Country	Percentage of persons by MPCE class (Rs)							
	000-235	235-270	270-320	320-365	365-410	410-455	455-510	510-580
Rural								
West Bengal	1.1	2.5	7.8	6.9	6.7	10.5	11.3	15.7
All India	2.0	2.5	6.9	7.3	9.2	8.6	10.1	12.3
Percentage of persons by MPCE class (Rs)								
State/ Country	580-690	690-890	890-1155	1155 & above	All classes			

West Bengal	13.5	13.8	7.1	6.7	100.00			
All India	13.4	13.8	7.1	6.7	100.00			
State/ Country	Percentage of persons by MPCE class (Rs)							
	000-335	335-395	395-485	485-580	580-675	675-790	790-930	930-
Urban								
West Bengal	3.6	2.7	8.0	7.1	8.4	11.7	10.1	11.0
All India	3.0	3.3	7.0	8.5	8.8	11.0	10.7	10.4
Percentage of persons by MPCE class (Rs)								
State/ Country	1100-1380	1380-1880	1885-2540	2540 & above	All classes			
West Bengal	10.2	10.2	8.0	9.2	100.00			
All India	13.0	10.8	7.0	6.5	100.00			

Source: NSS, 62 Round (July 2005- June 2006)

Table 2.183 Per Capita Rural Consumer Expenditure for a Period of 30 Days in West Bengal vis-à-vis Other Major States of India, 1993-94 to 2004-05

States/ India	50th Round 1993-94 July-June	52nd Round 1995-96 July-June	53rd Round 1997 January-December	55th Round 1999-2000 July-June	56th Round 2000-2001 July-June	57th Round 2001-2002 July-June	58th Round 2002-2003 July-Dec,02	59th Round 2003-2004 Jan-Dec,03	60th Round 2004-2005 Jan-June,04	Rank
West Bengal	278.80	298.18	366.15	454.50	473.07	506.01	492.79	538.06	580.18	7
Andhra Pradesh	288.70	324.84	420.75	453.61	490.15	537.80	574.92	566.89	557.11	9
Assam	258.10	316.40	360.43	426.12	457.27	537.32	531.67	520.45	531.69	11
Bihar	218.30	298.44	294.93	384.72	396.33	399.73	423.58	414.63	442.49	12
Gujarat	303.30	358.23	484.54	551.33	591.20	621.09	590.20	626.02	613.21	4
Haryana	385.00	491.49	536.21	714.37	582.28	705.77	702.62	780.76	878.68	3
Karnataka	269.40	346.03	344.30	499.78	531.02	525.42	512.82	555.50	501.60	12
Kerala	390.40	506.35	568.57	765.70	841.30	839.78	880.57	981.41	990.22	1
Madhya Pradesh	252.00	310.45	325.94	401.50	389.99	401.44	436.27	454.58	437.34	15
Maharashtra	272.70	350.74	386.09	496.77	506.84	589.32	544.57	584.05	568.85	8
Orissa	219.80	308.55	298.48	373.17	392.48	307.69	390.48	397.89	414.08	15
Punjab	433.00	492.92	670.32	742.43	771.24	761.25	788.18	886.10	946.86	2
Rajasthan	322.40	363.72	452.28	548.88	538.25	577.54	574.32	569.59	580.47	6
Tamil Nadu	293.60	322.43	440.56	513.97	525.73	552.03	542.12	609.08	603.40	5
Uttar Pradesh	273.80	348.88	390.26	466.68	452.70	422.63	486.36	509.03	538.18	10
All India	281.40	344.29	395.01	486.07	494.90	498.27	531.49	554.15	564.70	

Source: N.S.S. Reports on Consumer Expenditure of Respective Rounds

Table 2.184 Per Capita Urban Consumer Expenditure for a Period of 30 Days in West Bengal vis-à-vis Other Major States of India (Rs)

States/ India	50th Round 1993-94 July-June	52nd Round 1995-96 July-June	53rd Round 1997 Jan-Dec	55th Round 1999-2000 July-June	56th Round 2000-2001 July-June	57th Round 2001-2002 July-June	58th Round 2002-2003 July-Dec,02	59th Round 2003-2004 Jan-Dec,03	60th Round 2004-2005 Jan-June,04	Rank
West Bengal	474.20	521.37	560.11	866.59	902.17	966.52	1065.50	990.90	1133.40	3
Andhra Pradesh	408.60	552.59	623.56	773.52	928.43	858.74	989.02	1064.86	1101.71	5
Assam	458.60	536.83	584.89	814.12	789.40	883.29	947.47	875.17	1019.47	9

Bihar	353.00	441.97	492.37	601.88	595.40	625.28	691.66	674.46	784.02	15
Gujarat	454.20	499.67	686.82	891.68	953.19	953.56	1229.16	1046.03	1092.00	6
Haryana	473.90	647.38	655.25	712.07	897.91	1040.14	1123.17	1140.92	1050.27	8
Karnataka	423.10	537.47	669.50	910.99	900.47	973.15	968.95	960.33	937.06	11
Kerala	493.80	674.34	794.11	932.61	1203.65	1240.20	1266.64	1299.67	1371.51	1
Madhya Pradesh	408.10	485.64	546.47	693.56	727.39	737.14	708.58	1029.07	793.36	14
Maharashtra	529.80	720.37	772.87	973.32	1033.93	1208.90	1163.63	1166.30	1258.92	2
Orissa	402.50	569.02	562.29	618.48	772.67	736.11	868.68	831.64	872.09	12
Punjab	510.70	644.79	753.35	898.82	973.20	1009.01	1110.46	1250.20	1058.82	7
Rajasthan	424.70	508.57	608.42	795.81	793.40	804.79	830.03	911.74	994.81	10
Tamil Nadu	438.30	535.63	657.53	971.61	969.47	898.33	1071.62	1086.95	1130.53	4
Uttar Pradesh	389.00	536.71	547.47	690.67	737.75	729.37	878.93	785.52	826.96	13
All India	458.00	599.26	645.44	854.96	914.57	932.79	1011.97	1021.89	1060.16	

Source: N.S.S. Reports on Consumer Expenditure of Respective Rounds

Table 2.185 Six Year Growth of Average Per Capita Consumer Expenditure (APCE) in West Bengal vis-à-vis the Whole of India, 1993-94 and 1999-2000

State/ Country	Per cent		
	Rural	Urban	Combined
West Bengal	2.1	11.5	3.3
All India	8.7	16.6	10.9

Source: National Sample Survey

Table 2.186 Percentage Distribution of Average Monthly Rural and Urban Per Capita Expenditure on Broad Groups of Items of Consumption in West Bengal vis-à-vis Other Major States of India (N.S.S. 62nd Round, July 2005 to June 2006)

States / Country	Percentage of total MPCE spent in rural area							
	Food total	Fuel and light	Clothing and footwear	Education	Medical	Durable goods	Others	Total consumer expenditure
West Bengal	59.29	9.97	6.57	3.27	7.14	2.00	11.76	100.00
Andhra Pradesh	55.31	7.62	6.32	1.88	7.20	2.90	18.77	100.00
Assam	60.13	9.76	7.43	2.19	3.29	2.84	14.36	100.00
Bihar	61.00	9.98	8.47	2.08	4.08	2.60	11.79	100.00
Gujarat	55.72	10.03	6.81	1.58	4.21	3.49	18.16	100.00
Haryana	50.91	10.82	8.02	5.62	5.75	2.94	15.58	100.00
Karnataka	51.29	10.44	7.62	1.76	5.67	2.85	20.37	100.00
Kerala	43.95	6.91	6.25	3.77	9.32	8.43	21.37	100.00
Madhya Pradesh	51.34	11.27	7.48	2.39	7.80	4.14	15.58	100.00
Maharashtra	47.86	9.87	7.53	1.41	9.46	4.37	19.50	100.00
Orissa	56.58	10.00	6.75	2.45	8.93	3.84	11.45	100.00
Punjab	43.80	11.44	7.79	5.49	7.95	3.58	19.95	100.00
Rajasthan	52.71	9.66	8.18	1.84	7.36	4.34	15.91	100.00
Tamil Nadu	50.35	8.58	5.51	2.85	8.00	3.23	21.48	100.00
Uttar Pradesh	54.03	9.91	7.47	3.13	8.03	2.92	14.51	100.00
All India	53.34	9.67	7.28	2.72	6.98	3.52	16.49	100.00

Table 2.186 (continued)

States / Country	Percentage of total MPCE spent in urban area							
	Food total	Fuel and light	Clothing and footwear	Education	Medical	Durable goods	Others	Total consumer expenditure
West Bengal	39.77	9.91	7.07	7.49	7.88	2.78	25.10	100.00
Andhra Pradesh	36.41	7.75	6.47	6.30	5.65	5.41	32.11	100.00
Assam	43.99	8.35	5.91	4.64	3.13	3.73	30.25	100.00
Bihar	50.99	10.44	7.17	6.31	3.58	2.04	19.47	100.00

Gujarat	42.93	10.79	6.32	3.83	5.50	5.67	24.96	100.00
Haryana	39.78	10.68	7.59	8.37	7.40	2.65	23.53	100.00
Karnataka	38.95	9.03	6.23	5.86	4.41	2.34	33.19	100.00
Kerala	37.38	6.96	5.70	5.96	7.29	9.85	26.86	100.00
Madhya Pradesh	38.23	10.88	6.51	9.88	5.51	3.57	25.42	100.00
Maharashtra	37.31	9.46	5.97	5.56	7.52	3.77	30.41	100.00
Orissa	44.72	9.95	6.64	5.01	5.40	3.80	24.48	100.00
Punjab	35.53	10.45	7.59	8.09	7.44	5.16	25.74	100.00
Rajasthan	43.20	11.65	7.58	6.05	5.85	2.54	23.13	100.00
Tamil Nadu	39.95	7.78	5.15	5.46	5.80	2.84	33.02	100.00
Uttar Pradesh	43.94	9.97	6.96	5.89	5.99	5.09	22.16	100.00
All India	39.97	9.36	6.46	6.22	6.04	4.00	27.95	100.00

Source: N.S.S. 62nd Round, July 2005 to June 2006

2.8 Social Problems

This section presents database on some problems of West Bengal vis-à-vis other major States/ the whole of India, namely mortality, human development, disparity, unemployment, poverty, inequality and disability.

Mortality: Infant mortality rate in West Bengal was lower than that of the whole of India during 1992-03, 1998-99 and 2005-06. Both under five year age and maternal mortality rates were lower in the State in 1998-99. In 2007, among the major States infant mortality rates in only three States, namely Kerala (1.3 per cent), Maharashtra (3.4 per cent) and Tamil Nadu (3.5 per cent) were lower than that of West Bengal (3.7 per cent) in 2007. Infant mortality rate of rural West Bengal (3.9 per cent) was the third lowest in 2007; the State of Kerala (14 per cent) was far ahead of all States and Tamil Nadu (38) was marginally better than West Bengal in this respect. It is most impressive that these three States have also recorded decrease of the rural urban disparity in this vital event to a large extent. In conformity with relatively low infant mortality rate in West Bengal, the neo-natal mortality rate, early neo-natal mortality rate and peri-natal mortality rate were also much lower in the State than all India average and stood at a level lower than those of most of the major States of India (Table 2.187 to 2.189).

Unemployment: Both rural and urban unemployment rates according to usual status (Principal status) and usual status (Principal status + Subsidiary status) [Or Usual Status (Adjusted)], current weekly status and current daily status, and also current weekly status for educated persons of 15 years and above in West Bengal during 2004-05 were higher than those of India as a whole (Table 2.192 to 2.198).

Poverty: The recent estimates for poverty as calculated by the Planning Commission, India on the basis of the NSSO 55th round survey data on consumer expenditure publish State specific poverty line; in case of West Bengal it is Rs. 350.17 for the rural and Rs. 409.22 for the urban areas.Poverty line in West Bengal was lower than that of India as a whole during 1973-74 to 2004-05. Percentage distribution of persons below poverty line by occupation shows that in both West Bengal and India as a whole agricultural labourer accounted for the highest proportion of poor during both 1993-94 and 1999-2000. Absolute number of poor in West Bengal as well as the whole of India in both rural and urban areas declined during 1983 to 2004-05 and the percentage share of the State to the total poor in India recorded decline during this period. The proportions of agricultural labourers in total main workers is an important factor in influencing the poverty scenario. Head count poverty ratio in rural West Bengal declined sharply from 61.56 per cent in 1983 to 28.49 per cent in 2004-05, while in urban West Bengal it declined from 31.5 per cent to 18.5 per cent during this period. In the whole of the State poverty ratio declined from 53.6 per cent to 25.67 per cent. While poverty ratio in rural West Bengal was above the national average during 1983 and 1993-94 that in urban areas was below the national average. During 2004-05, the poverty ratio in rural, urban and West Bengal as a whole was lower than the corresponding figures for India. Among STs rural poverty ratio in West Bengal was 61.95 per cent in 1993-94, which came down to 50 per cent in 1999-2000 and was higher than that among SCs and it was higher in the State than that in many other major States of India during 1993-94 and 1999-2000 (Table 2.199 to 2.209).

Inequality: During 1983 to 1993-94 Gini ratio as a measure of inequality declined but after that registered increase in both rural West Bengal and rural India as a whole. In urban West Bengal and urban India as a whole

Gini coefficient kept on increasing during 1983 to 2004-05. During 1997-98 to 2004-05 percentage share of bottom 30 per cent population in total monthly per capita consumer expenditure was above the all-India percentage while for the top 30 per cent population it was lower in West Bengal than the all-India percentage. During 2004-05 percentage of members getting two square meals a day throughout the year was lower while for only some months of the year was higher in the state than the all-India percentage (Table 2.210 to Table 2.213).

Disability: 2.55 per cent of male population and 2.04 per cent of female population of the State were found to be disabled in 2001. On an average, the percentage of disabiled persons was 2.30.

Human development index and gender disparity index: In 2001, value of human development index was 0.404 which was higher than that of the whole of India (0.381) while the value of gender disparity index in the state (0.631) was lower than 0.676 for India as a whole (Table 2.214).

Crime: In 2005, incidence of cognizable offence was one of the least in West Bengal among the major States of the country. Total number of such offences was 66406 in 2005, which constituted 3.64 per cent of total number of offences of the whole country (Table 2.215).

Table 2.187 Infant Mortality Rate in West Bengal vis-à-vis Other Major States of India, 1992-93 to 2005-06

(Number of infant death per thousand live births)

States / Country	NFHS-I (1992-93)	NFHS-II (1998-99)	NFHS-III(2005-06)	Rank
West Bengal	75	49	48	9
Andra Pradesh	70	66	53	11
Assam	89	70	66	14
Chattisgarh	-	81	71	16
Gujarat	69	63	50	10
Haryana	73	57	42	6
Himachal Pradesh	56	34	36	3
Jammu and Kashmir	-	65	45	8
Karnataka	65	52	43	7
Kerala	24	16	15	1
Madhya Pradesh	-	88	70	15
Maharashtra	51	44	38	4
Orissa	112	81	65	13
Punjab	54	57	42	5
Rajasthan	73	80	65	12
Tamil Nadu	68	48	31	2
Uttar Pradesh	0	89	73	17
All India	77	67	55	0

Source: Government of India, National Family Health Survey, *Notes:* NFHS= National Family Health Survey

Table 2.188 Infant Mortality Rate by Sex and Residence in West Bengal vis-à-vis Other Major States of India, 2007

(Number of infant death per thousand live births)

States / Country	Total			Total			Total		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
West Bengal	37	36	37	39	38	39	29	29	29
Andhra Pradesh	54	54	55	60	60	61	37	36	38
Assam	66	64	67	68	67	70	41	40	42
Bihar	58	57	58	59	59	59	44	42	47
Gujarat	52	50	54	60	59	62	36	34	38
Haryana	55	55	56	60	59	61	44	44	44

Karnataka	47	46	47	52	52	53	35	34	36
Kerala	13	12	13	14	13	14	10	9	11
Madhya Pradesh	72	72	72	77	77	77	50	50	51
Maharashtra	34	33	35	41	41	42	24	21	26
Orissa	71	70	72	73	72	74	52	49	55
Punjab	43	42	45	47	45	50	35	35	36
Rajasthan	65	63	67	72	70	74	40	39	41
Tamil Nadu	35	34	36	38	38	39	31	30	33
Uttar Pradesh	69	67	70	72	71	74	51	50	51
All India	55	55	56	61	60	61	37	36	39

Source: Sample Registration System, Registrar General, Govt. of India

Table 2.189 Death Rate by Sex and Residence in West Bengal vis-à-vis Other Major States of India, 2007

(Number of deaths per thousand population)

States / Country	Total			Total			Total		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
West Bengal	6.3	6.9	5.6	6.3	6.9	5.6	6.4	7.1	5.6
Andhra Pradesh	7.4	8.1	6.6	8.0	8.9	7.2	5.7	6.2	5.3
Assam	8.6	8.7	8.5	9.1	9.0	9.2	5.7	6.8	4.6
Bihar	7.5	7.6	7.4	7.6	7.7	7.6	6.2	6.5	5.9
Gujarat	7.2	7.6	6.7	8.1	8.7	7.4	5.8	6.1	5.5
Haryana	6.6	7.6	5.5	7.0	8.1	5.8	5.7	6.4	4.8
Karnataka	7.3	8.2	6.4	8.3	9.2	7.4	5.4	6.3	4.5
Kerala	6.8	7.8	5.9	6.9	8.1	5.9	6.4	6.9	6.0
Madhya Pradesh	8.7	9.2	8.1	9.4	9.9	8.8	6.2	6.7	5.6
Maharashtra	6.6	7.2	6.1	7.3	8.0	6.6	5.7	6.2	5.2
Orissa	9.2	9.5	8.8	9.5	9.7	9.3	7.0	8.2	5.8
Punjab	7.0	7.7	6.3	7.7	8.4	6.9	5.9	6.5	5.2
Rajasthan	6.8	7.1	6.4	7.0	7.4	6.7	6.0	6.3	5.6
Tamil Nadu	7.2	7.9	6.6	8.0	8.8	7.1	6.3	6.7	5.9
Uttar Pradesh	8.5	8.9	8.0	9.0	9.3	8.5	6.5	7.1	5.9
India	7.4	8.0	6.9	8.0	8.5	7.4	6.0	6.5	5.4

Source: Sample Registration System, Registrar General, Govt. of India

Table 2.190 Birth Rate by Residence in West Bengal vis-à-vis Other Major States of India by Region, 2007

(Number of live births per thousand population)

States / Country	Total	Rural	Urban	States/ India	Total	Rural	Urban
West Bengal	17.9	19.8	12.7	Madhya Pradesh	28.5	30.5	21.5
Andhra Pradesh	18.7	19.5	16.7	Maharashtra	18.1	18.7	17.3
Assam	24.3	25.7	15.5	Orissa	21.5	22.4	16.1
Bihar	29.4	30.2	22.9	Punjab	17.6	18.3	16.4
Gujarat	23	24.5	20.7	Rajasthan	27.9	29.2	23.7
Haryana	23.4	24.5	20.8	Tamil Nadu	15.8	16	15.5
Karnataka	19.9	21.2	17.5	Uttar Pradesh	29.5	30.5	25.5
Kerala	14.7	14.8	14.5	India	23.1	24.7	18.6

Source: Sample Registration System, Registrar General, Govt. of India

Table 2.191 Percentage Distribution of Live Births by Type of Medical Attention Received by the Mother at Delivery by Residence in West Bengal vis-à-vis Other Major States of India, 2003

States / Country	Institutional			Doctor, nurse, or trained midwife			Traditional birth attendants			Relatives or others		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
West Bengal	37.1 (6)	28.9	76.5	15.2	14.1	20.7	47.5	56.8	2.6	0.2	0.2	0.2
Andhra Pradesh	43.8 (5)	32.3	82.6	28.3	33.3	11.4	26.8	33.1	5.4	1.1	1.3	0.6
Assam	21.9 (10)	19.6	53.3	17.0	16.2	28.9	46.9	49.1	15.8	14.2	15.1	2.0
Bihar	16.3 (14)	14.7	32.3	20.2	18.0	42.5	62.3	66.0	23.8	1.3	1.3	1.4

Table 2.191(continued)

States / Country	Institutional			Doctor, nurse, or trained midwife			Traditional birth attendants			Relatives or others		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
Gujarat	36.7 (7)	22.9	75.1	39.2	45.8	20.8	21.0	28.0	1.5	3.1	3.3	2.6
Haryana	25.5 (8)	21.2	45.6	68.4	71.5	53.9	6.0	7.2	0.3	0.1	0.1	0.2
Himachal Pradesh	25.2 (9)	23.3	57.3	27.1	26.2	42.0	47.1	49.9	0.6	0.6	0.6	0.1
Karnataka	49.8 (3)	39.1	80.9	27.4	31.3	16.2	12.5	15.9	2.7	10.2	13.7	0.2
Kerala	97.1 (1)	96.6	98.9	2.0	2.4	0.5	0.8	0.9	0.5	0.1	0.1	0.1
Madhya Pradesh	17.1 (13)	10.1	58.6	23.2	22.5	27.1	57.5	65.2	12.3	2.2	2.2	2.0
Maharashtra	49.3 (4)	31.7	80.1	21.1	21.9	19.6	28.3	44.3	0.3	1.3	2.1	0.0
Orissa	19.3 (12)	16.9	42.5	26.0	24.7	38.5	25.6	27.0	11.8	29.1	31.4	7.2
Punjab	20.2 (11)	20.4	19.7	77.9	77.4	79.8	0.6	0.7	0.4	1.2	1.5	0.1
Rajasthan	9.9 (16)	6.8	30.3	27.7	25.6	41.4	61.2	66.3	28.0	1.2	1.3	0.3
Tamil Nadu	65.3 (2)	53.4	92.4	22.3	29.0	7.2	7.3	10.4	0.3	5.0	7.2	0.1
Uttar Pradesh	10.1 (15)	8.2	21.3	43.5	39.7	66.2	46.1	51.8	12.3	0.3	0.3	0.2
All India	28.3	20.6	59.9	19.7	18.9	23.1	48.5	56.5	15.9	3.4	4.0	1.1

Source: Sample Registration System, Registrar General, Govt. of India
Note: Figures within parentheses indicate respective ranks.

Table 2.192 Rural Unemployment Rate According to Usual Status (Ps) and Usual Status (Ps + Ss) (Or Usual Status (Adjusted) in West Bengal vis-à-vis Major States of India by Sex, 2004-05 (Per 1000)

State/ India	Usual status (Ps)			Usual status (Ps + Ss)		
	Male	Female	Person	Male	Female	Person
West Bengal	30	81	38	22	33	25
Punjab	35	296	58	33	49	38
Haryana	33	32	33	28	10	22
Rajasthan	15	16	15	12	1	7
Uttar Pradesh	11	8	11	7	3	6

Bihar	19	3	16	18	2	15
Assam	30	70	36	24	31	26
Orissa	39	122	64	31	83	50
Madhya Pradesh	9	2	7	7	1	5
Gujarat	11	2	8	8	2	5
Maharashtra	21	5	15	15	3	10
Andhra Pradesh	16	11	13	10	4	7
Karnataka	11	10	11	7	8	7
Kerela	83	309	158	51	201	107
Tamil Nadu	18	25	21	12	11	12
All India	21	31	25	16	18	17

Source: Employment and Unemployment Situation in India, 2004-05, NSS 61st Round (July 2004-June 2005)

Table 2.193 Urban Unemployment Rates according to Usual Status (Ps) and Usual Status (Ps + Ss) [Or Usual Status (Adjusted)] in West Bengal vis-à-vis Other Major States of India by Sex, 2004-05 (Per 1000)

States/ India	Usual status (Ps)			Usual status (Ps + Ss)		
	Male	Female	Person	Male	Female	Person
West Bengal	64	137	75	56	84	62
Punjab	30	200	56	29	140	50
Haryana	36	131	48	32	75	40
Rajasthan	31	47	34	28	29	29
Uttar Pradesh	37	47	39	35	25	33
Bihar	70	57	69	67	41	64
Assam	71	156	82	69	91	72
Orissa	93	304	142	90	266	134
Madhya Pradesh	33	20	31	31	16	28
Gujarat	29	40	31	23	29	24
Maharashtra	46	58	49	35	41	36
Andhra Pradesh	39	43	40	36	38	36
Karnataka	22	62	31	19	57	28
Kerela	90	429	199	62	334	156
Tamil Nadu	32	54	38	29	48	35
All India	44	91	53	38	69	45

Source: NSS Report No. 515: Employment and Unemployment Situation in India, 2004-05

Table 2.194 Unemployment Rates According to Current Weekly Status in West Bengal vis-à-vis Other Major States of India by Region, 2004-05 (Per 1000)

State/ India	Rural			Urban		
	Male	Female	Person	Male	Female	Person
West Bengal	54	70	57	66	112	75
Punjab	44	55	48	41	153	62
Haryana	54	21	43	45	103	55
Rajasthan	36	23	31	42	40	41
Uttar Pradesh	22	10	19	49	47	49

Bihar	33	24	31	85	57	82
Assam	36	62	41	75	113	81
Orissa	61	102	74	109	247	138
Madhya Pradesh	30	21	27	46	35	44
Gujarat	18	11	15	34	51	37
Maharashtra	44	44	44	59	78	64
Andhra Pradesh	33	44	38	50	57	52
Karnataka	17	22	19	24	75	36
Kerela	98	260	156	91	365	180
Tamil Nadu	29	31	30	43	64	49
All India	38	42	39	52	90	60

Source: NSS Report No. 515: Employment and Unemployment Situation in India, 2004-05

Table 2.195 Unemployment Rates According to Current Daily Status in West Bengal vis-à-vis Other Major States of India by Region, 2004-05 (Per 1000)

State/ Country	Rural			Urban		
	Male	Female	Person	Male	Female	Person
West Bengal	111	116	112	99	137	105
Punjab	95	101	97	54	177	75
Haryana	72	34	62	58	131	69
Rajasthan	51	33	44	63	50	61
Uttar Pradesh	43	17	37	63	59	63
Bihar	69	61	68	102	87	100
Assam	60	87	65	81	140	90
Orissa	93	126	102	119	271	150
Madhya Pradesh	59	48	56	57	52	64
Gujarat	47	29	41	42	72	47
Maharashtra	90	99	93	81	112	88
Andhra Pradesh	100	122	109	78	83	79
Karnataka	63	72	67	51	94	60
Kerela	211	246	256	174	423	252
Tamil Nadu	153	149	151	81	98	86
All India	80	87	82	75	116	83

Source: NSS Report No. 515: Employment and Unemployment Situation in India, 2004-05

Table 2.196 Usual Principal Status Unemployment Rates for Educated Persons of Age 15 Years and Above in West Bengal vis-à-vis the Other Major States of India by Region, 2004-05 (Per 1000)

State/ Country	Rural			Urban		
	Male	Female	Person	Male	Female	Person
West Bengal	88	463	125	81	280	116
Punjab	71	530	131	42	243	108
Haryana	78	157	86	48	211	79
Rajasthan	50	81	52	34	140	49
Uttar Pradesh	22	35	21	44	172	34
Bihar	44	52	45	121	291	61

Assam	138	331	164	104	218	154
Orissa	125	574	194	127	379	188
Madhya Pradesh	19	51	22	49	62	38
Gujarat	31	31	32	31	113	36
Maharashtra	50	37	47	55	84	55
Andhra Pradesh	66	87	70	77	135	78
Karnataka	48	134	66	35	167	60
Kerela	134	533	296	126	555	296
Tamil Nadu	62	141	86	51	155	77
All India	59	231	85	60	194	82

Source: NSS Report No. 515: Employment and Unemployment Situation in India, 2004-05

Table 2.197 Usual Status (Adjusted) Unemployment Rates of Educated Persons of Age 15 Years and Above in West Bengal vis-à-vis Other Major States of India by Region, 2004-05 (Per 1000)

State/ Country	Rural			Urban		
	Male	Female	Person	Male	Female	Person
West Bengal	63	308	93	67	185	88
Punjab	67	186	100	39	201	76
Haryana	63	63	62	43	148	60
Rajasthan	46	38	46	32	114	43
Uttar Pradesh	13	16	13	38	109	46
Bihar	40	41	40	116	276	122
Assam	106	225	127	99	140	105
Orissa	108	470	171	124	373	173
Madhya Pradesh	19	43	21	46	57	47
Gujarat	18	21	19	24	81	32
Maharashtra	32	25	31	44	64	43
Andhra Pradesh	54	61	55	75	130	84
Karnataka	33	108	50	28	159	51
Kerela	87	402	22	82	471	240
Tamil Nadu	48	114	66	44	141	65
All India	44	152	65	51	156	71

Source: NSS Report No. 515: Employment and Unemployment Situation in India, 2004-05

Table 2.198 Current Weekly Status Unemployment Rates of Educated Persons of Age 15 Years and Above in West Bengal vis-à-vis Other Major States of India, 2004-05 (Per 1000)

State/ Country	Rural			Urban		
	Male	Female	Person	Male	Female	Person
West Bengal	89	365	123	75	222	99
Punjab	73	187	105	50	205	86
Haryana	81	92	83	51	191	73
Rajasthan	60	59	60	37	128	50
Uttar Pradesh	25	23	25	46	131	55
Bihar	48	43	47	117	286	122

Assam	133	303	157	105	163	114
Orissa	141	473	191	134	360	178
Madhya Pradesh	37	90	40	50	70	53
Gujarat	28	25	27	35	117	47
Maharashtra	66	55	63	64	97	70
Andhra Pradesh	81	87	82	92	162	104
Karnataka	39	132	58	34	177	58
Kerela	137	457	268	98	487	250
Tamil Nadu	61	128	80	58	161	79
All India	65	182	85	62	179	83

Source: NSS Report No. 515: Employment and Unemployment Situation in India, 2004-05

Table 2.199 Poverty Lines in Rural and Urban Area of West Bengal vis-à-vis Other Major States of India by Region, 1983 to 2004-05 (Rs)

State/Country	Rural				Urban			
	1983	1993-94	1999-2000	2004-05	1983	1993-94	1999-2000	2004-05
West Bengal	105.55	213.01	350.17	381.18	105.91	247.53	109.22	474.42
Andra Pradesh	72.66	163.02	262.94	293.33	106.43	278.14	457.4	528.79
Assam	98.32	232.05	365.43	392.77	97.51	212.42	343.99	382.06
Bihar	97.48	212.16	333.07	355.92	111.8	238.49	379.78	456.35
Gujarat	83.29	202.11	318.94	355.38	123.22	297.22	474.41	517.51
Haryana	88.57	233.79	362.81	413.1	103.48	258.23	420.2	498.93
Himachal Pradesh	88.57	233.79	367.45	405.26	102.26	253.61	420.2	475.71
Jammu and Kashmir	88.57	233.79	367.45	394.75	99.62	253.61	420.2	475.71
Karnataka	88.31	186.63	309.59	335.88	120.19	302.89	511.44	601.4
Kerala	99.35	243.84	374.79	419.74	122.64	280.54	477.06	562.02
Madhya Pradesh	83.59	193.1	311.34	323.86	122.82	317.16	481.65	507.29
Maharashtra	88.24	194.94	318.63	363.7	126.47	328.56	539.71	629.25
Orissa	106.28	194.03	323.92	325.46	124.81	398.22	473.12	536.68
Punjab	88.57	233.79	362.68	406.67	101.03	253.61	388.15	462.52
Rajasthan	80.24	215.89	344.03	375.1	113.55	280.85	465.92	540.3
Tamil Nadu	96.15	196.53	307.64	353.23	120.3	296.63	475.6	652.62
Uttar Pradesh	83.85	213.01	336.88	373.91	110.23	258.65	416.29	482.41
All India	89.45	205.84	327.56	359.89	117.5	281.35	454.11	523.18

Source: Planning Commission, Government of India

Table 2.200 Absolute Number of Poor in West Bengal vis-à-vis Other Major States of India by Region, 1983, 1993-94 and 2004-05 (Million)

State/ Country	Rural			Urban			All		
	1983	1993-94	2004-05	1983	1993-94	2004-05	1983	1993-94	2004-05
West Bengal	26.15	19.4	17.58	4.82	4.62	4.5	30.98	24.02	22.08
Andra Pradesh	11.75	8.43	6.33	5.08	7.04	5.52	16.82	15.47	11.85
Assam	7.21	9.31	5.72	0.44	0.28	0.15	7.65	9.59	5.87
Bihar	42	46.39	45.31	4.39	4.51	5.18	46.39	50.89	50.49
Gujarat	6.82	6.39	6.7	4.31	4.6	2.55	11.12	10.99	9.25
Haryana	2.33	3.51	2.17	0.78	0.81	1.1	3.11	4.32	3.27

Himachal Pradesh	0.74	1.45	0.73	0.06	0.04	0.03	0.79	1.49	0.76
Jammu and Kashmir	1.27	1.26	0.4	0.24	0.15	0.14	1.51	1.41	0.54
Karnataka	10.36	9.75	8.67	4.88	5.99	6.67	15.24	157.14	15.34
Kerala	8.03	5.85	3.01	2.4	0.02	1.78	10.43	7.86	4.79
Madhya Pradesh	21.19	21.8	25.1	6.11	8.11	6.86	27.3	29.91	32.96
Maharashtra	19.26	19.08	17.97	9.4	11.68	13.68	28.65	30.76	31.65
Orissa	16.43	14.33	15.75	1.64	1.89	2.66	18.07	16.22	18.41
Punjab	1.82	2.04	1.61	1.16	0.79	0.53	2.97	2.82	2.14
Rajasthan	10.86	9.88	3.07	3.02	3.47	4.42	13.88	13.34	13.49
Tamil Nadu	18.89	11.93	7.83	7.96	8.34	10.8	26.85	20.26	18.62
Uttar Pradesh	44.62	50.57	51.39	10.6	10.95	12.54	55.22	61.51	63.92
All India	252.05	247.18	232.16	72.29	77.38	83.31	324.34	324.55	315.48

Source: Himangsu (2007)

Table 2.201 Percentage Distribution of Poor Persons in West Bengal vis-à-vis Other Major States of India, 1983, 1993-94 and 2004-05

State/Country	Rural			Urban			All		
	1983	1993-94	2004-05	1983	1993-94	2004-05	1983	1993-94	2004-05
West Bengal	10.47	8.04	7.8	7.17	6.13	5.62	9.77	7.59	7.23
Andra Pradesh	4.7	3.49	2.81	7.54	9.35	6.89	5.31	4.89	3.88
Assam	2.89	3.86	2.54	0.66	0.37	0.18	2.41	3.03	1.92
Bihar	16.82	19.22	20.11	6.53	5.99	6.46	14.66	16.07	16.53
Gujarat	2.73	2.65	2.97	6.4	6.11	3.18	3.51	3.47	3.03
Haryana	0.93	1.45	0.96	1.16	1.08	1.37	0.98	1.37	1.07
Himachal Pradesh	0.3	0.6	0.32	0.08	0.05	0.03	0.25	0.47	0.25
Jammu and Kashmir	0.51	0.52	0.18	0.36	0.2	0.17	0.48	0.45	0.18
Karnataka	4.15	4.04	3.85	7.25	7.96	8.32	4.81	4.97	5.02
Kerala	3.22	2.43	1.34	3.56	2.66	2.22	3.29	2.48	1.57
Madhya Pradesh	8.49	9.03	1.14	9.08	10.78	9.82	8.61	9.45	10.89
Maharashtra	7.71	7.91	7.97	13.97	15.52	17.08	9.04	9.71	10.36
Orissa	6.58	5.94	6.99	2.44	2.51	3.32	5.7	5.12	6.03
Punjab	0.73	0.84	0.71	1.72	1.05	0.66	0.94	0.89	0.70
Rajasthan	4.35	4.09	4.03	4.48	4.61	5.52	4.38	4.21	4.42
Tamil Nadu	7.56	4.94	3.47	11.83	11.08	13.48	8.47	6.40	6.10
Uttar Pradesh	17.87	20.95	22.8	15.75	14.54	15.66	17.42	19.43	20.93
All India	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Source: : Himangsu (2007)

Table 2.202 Head Count Ratio by Region in West Bengal vis-à-vis Other Major States of India, 1983 to 2004-05

(Per cent)

State/Country	Rural			Urban			All		
	1983	1993-04	2004-05	1983	1993-04	2004-05	1983	1993-04	2004-05
West Bengal	61.56	37.35	28.49	31.5	23.24	18.5	53.6	33.45	25.67
Andra Pradesh	27.31	16.64	10.85	37.49	37.63	25.41	29.75	22.3	14.8
Assam	41.92	44.43	23.05	23.07	10.19	3.83	40.03	40.46	20.46
Bihar	64.89	57.24	43.06	47.49	36.54	31.66	62.71	54.5	41.53
Gujarat	27.92	22.44	19.76	38	29.44	11.96	31.11	24.92	16.75
Haryana	21.77	26.62	13.41	25.47	17.54	15.06	22.59	24.26	13.92

Himachal Pradesh	17.77	29.27	12.5	16.01	8.26	3.87	17.63	27.37	11.61
Jammu and Kashmir	25.23	19.73	4.81	17.48	7.38	4.81	23.57	16.75	4.81
Karnataka	37.51	30.24	23.73	42.88	39.67	33.4	39.08	33.25	27.15
Kerala	38.46	26.49	12.27	45.11	25.45	20.86	39.81	26.22	14.48
Madhya Pradesh	48.21	40.43	38.17	53.11	48.29	34.44	49.23	42.3	37.21
Maharashtra	45.04	37.66	30.36	39.69	34.74	29.42	43.13	36.5	29.95
Orissa	67.52	50.11	47.76	49.19	41.02	43.34	65.31	48.85	47.07
Punjab	14.3	13.72	9.55	23.52	11.83	5.57	16.88	13.14	8.12
Rajasthan	37.72	26.89	18.91	38.81	31.55	29.81	37.95	27.96	21.48
Tamil Nadu	56.22	32.99	22.96	47.94	38.92	34.06	53.48	35.2	28.31
Uttar Pradesh	46.38	42.33	34.06	49.47	36.15	30.29	46.94	41.08	33.25
All India	45.76	37.26	29.18	42.27	32.56	26.02	44.93	36.02	28.27

Source: Himangsu (2007)

Table 2.203 Rural Poverty Ratios among SCs and STs in West Bengal vis-à-vis Other Major States of India, 1993-94 and 1999-2000

(Per cent)

State/ Country	1993-94			1999-2000		
	SC	ST	All	SC	ST	All
West Bengal	46.29	61.95	40.80	35	50	32
Andhra Pradesh	26.02	25.66	15.92	31	24	22
Assam	45.38	41.44	45.01	44	39	40
Bihar	70.66	69.75	58.4	60	57	44
Gujarat	32.26	31.2	22.18	18	29	14
Haryana	45.56	41.55	28.02	19	-	8
Karnataka	46.36	37.33	29.88	26	25	18
Kerala	36.43	37.34	25.76	15	24	9
Madhya Pradesh	45.83	56.69	40.64	41	56	37
Maharashtra	51.54	50.38	37.93	33	43	24
Orissa	48.95	71.26	48.72	52	74	48
Punjab	22.08	27.00	11.95	13	18	7
Rajasthan	38.38	46.23	26.46	20	25	14
Tamil Nadu	44.05	44.37	32.48	33	43	21
Uttar Pradesh	58.99	37.11	42.28	44	34	31
All India	48.11	51.94	37.27	38	46	27

Source: Ministry of Rural Development, *Basic Rural Statistics*, March 2001.

Table 2.204 Percentage Distribution of Persons below Poverty Line by Occupation in West Bengal and the Whole of India, 1993-94 and 1999-2000

Occupation	West Bengal		All India	
	1993-94	1999-2000	1993-94	1999-2000
Artisans	18.3	20.4	11.2	12.3
Agricultural Labourer	44.1	55.4	40.7	46.8
Non-Agricultural Labourer	13.7	5.5	8.4	7.6
Self-employed in agriculture	21.5	15.4	33.2	28.1
Others	2.5	3.3	6.5	5.3
Total	100	100	100	100

Source: National Sample Survey

Table 2.205 Percentage of Rural Households Reporting Lack of Food in West Bengal vis-à-vis Other Major States of India, 1983 to 2004-05

State/ Country	1983	1993-94	1999-200	2004-05
West Bengal	36.5	14.3	11.3	11.7

Punjab	2.2	0.1	1	0.6
Haryana	1.8	0.6	1.7	0
Rajasthan	4.2	1.5	0.2	0
Uttar Pradesh	10.7	3.3	2.4	1.9
Andhra Pradesh	14.4	3.2	2.2	0.7
Assam	14.9	9.9	7.2	5.5
Bihar	34	6.8	6.3	3.2
Gujarat	3.1	2.2	0.5	0.3
Karnataka	17.3	3.9	1.1	0.3
Kerala	17.5	9.4	3.2	2.5
Madhya Pradesh	14.1	2.6	3.4	2.1
Maharashtra	13	4.4	2.1	1.1
Orissa	35.1	14.2	7.8	5.9
Tamil Nadu	17.2	2.8	1.2	0.1
All India	17.3	5.2	3.6	2.5

Source: Deaton and Dreze (2009)

Table 2.206 Percentage of Poor, Non-Poor and Abject Deprived Households Owning BPL Card in West Bengal vis-à-vis the Whole of India, 2005-06

State/ Country	All households(Q1 & Q2)	Poor households(Q3,Q4 And Q5)	Non-poor households	Abject deprived households
West Bengal	24.5	34.9	14.7	32.3
All India	27.3	38.2	20.0	40.0

Source: Ram, Mohanty and Ram (2009)

Table 2.207 Percentage of Malnourished Children in West Bengal vis-à-vis the Whole of India, 1992-93 to 2005-06

State/ Country	1992-93	1998-99	2005-06
West Bengal	54.8	48.7	43.5
All India	51.5	47	45.9

Source: National Family Health Survey (NFHS)-1, 2 and 3

Table 2.208 Incidence of Hunger in Rural Areas in West Bengal vis-à-vis the Whole of India, 2004-05

(Per cent)

State/Country	Members of the hhs getting two square meals a day			
	Throughout the year	Only some months of the year	Not even some months	Not reported
West Bengal	88	10.6	1.3	0.2
All India	97.4	2	0.4	0.2

Source: NSSO, *Report No. 512, Perceived Adequacy of Food Consumption in Indian Households*, 2004-2005(July 2004-June 2005).

Table 2.209 Estimates of Average MPCE, Headcount Ratio and Lorenz Ratio in West Bengal vis-à-vis Other Major States of India, 2004-05

State/	Rural	Urban

Country	Percentage of all India population	Average MPCE(Rs)	Lorenz ratio	Percentage of all India population	Average MPCE(Rs)	Lorenz ratio
West Bengal	8.1	562	0.2696	7.8	1124	0.3786
Andhra Pradesh	7.4	586	0.2896	7.5	1019	0.3693
Assam	3.1	543	0.1964	0.9	1058	0.3154
Bihar	9.1	417	0.2054	2.7	696	0.3289
Chhattisgarh	2.5	425	0.2927	1.3	990	0.4308
Gujarat	4.2	596	0.2696	6.6	1115	0.3059
Haryana	2.2	863	0.3347	2.3	1142	0.3603

Table 2.209(continued)

State/ Country	Rural				Urban	
	Percentage of all India population	Average MPCE(Rs)	Lorenz ratio	Percentage of all India population	Average MPCE (Rs)	Lorenz ratio
Himachal Pradesh	0.8	798	0.305	0.2	1390	0.3217
Jammu and Kashmir	0.7	793	0.2442	0.7	1070	0.2465
Jharkhand	2.8	425	0.2247	1.6	985	0.351
Karnataka	4.7	508	0.2619	6.1	1033	0.3638
Kerala	3.2	1013	0.3748	2.9	1291	0.4037
Madhya Pradesh	6.3	439	0.2643	5.7	904	0.3921
Maharashtra	7.5	568	0.3078	15	1148	0.3723
Orissa	4.4	399	0.2816	2	757	0.3489
Punjab	2.1	847	0.2903	3	1326	0.3936
Rajasthan	5.9	591	0.2461	5	964	0.3658
Tamil Nadu	4.7	602	0.3163	8.7	1080	0.3562
Uttar Pradesh	18.1	533	0.2807	13	857	0.323
Uttaranchal	0.9	647	0.2859	0.8	978	0.364
All India	100.0	559	-	100.0	1052	-

Source: Chaudhuri and Gupta (2009)

Table 2.210 Measure of Inequality (Gini Ratio) in West Bengal vis-à-vis the Whole of India, 1983, 1993-94 and 2004-05

(Per cent)

Area	West Bengal			India		
	1983	1993-94	2004-05	1983	1993-94	2004-05
Rural	30	25.4	27.4	30.4	28.6	30.5
Urban	33.5	33.9	38.3	33.9	34.4	37.6
Difference	89.55	74.93	71.54	89.68	83.14	81.12

Source: Himangsu (2007)

Table 2.211 Inequality in Monthly Per Capita Consumer Expenditure (MPCE) in West Bengal vis-à-vis the Whole of India – Rural (Gini Coefficient), 1972-73 to 2004-05

State/Country	1972-73	1977-78	1983	1987-88	1993-94	1999-00	2004-05
West Bengal	0.305	0.292	0.286	0.252	0.252	0.225	0.273
All India	0.302	0.337	0.298	0.291	0.281	0.26	0.297

Source: NSSO, *National Seminar on NSS 61st Round Survey Results*, October 2007

Table 2.212 Percentage Share of the Bottom 30 Per Cent Population in Total Monthly Per Capita Consumer Expenditure in Rural West Bengal vis-à-vis the Whole of Rural India, 1972-73 to 2004-05

State/Country	1972-73	1977-78	1983	1987-88	1993-94	1999-00	2004-05
West Bengal	15	15.2	15.3	17.4	17.9	18.2	17
All India	15	14.3	15.2	15.8	16	16.7	15.5

Source: NSSO, *National Seminar on NSS 61st Round Survey Results*, October 2007

Table 2.213 Percentage Share of the Top 30 Per Cent Population in Total Monthly Per Capita Consumer Expenditure in Rural West Bengal vis-à-vis the Whole of Rural India, 1972-73 to 2004-05

State/Country	1972-73	1977-78	1983	1987-88	1993-94	1999-00	2004-05
West Bengal	49.8	50.4	49.5	47.6	47.8	45.2	48.7
All India	50.9	53.9	50.9	50.4	49.9	48.3	51.6

Source: NSSO, *National Seminar on NSS 61st Round Survey Results*, October 2007

Table 2.214 Human Development Index and Gender Disparity Index in West Bengal vis-à-vis the Whole of India, 2001

State/ Country	Human development index	Gender disparity index
	Value	Value
West Bengal	0.404	0.631
All India	0.381	0.676

*Source:*Government of West Bengal, *Human Development Profiles 2007*

Table 2.215 Incidence of Cognizable Crime under IPC in West Bengal vis-à-vis Other Major States of India, 2005

State/Country	Murder	Dacoity	Robbery	Burglary	Theft	Riots	Other crimes	Total
West Bengal	1453	211	426	739	12124	2635	48818	66406
Andhra Pradesh	2750	250	794	7954	23778	2026	119571	157123
Assam	1194	334	451	2255	6369	2760	28643	42006
Bihar	3471	1212	2374	3117	10812	7671	69193	97850
Gujarat	1033	282	966	5332	17964	1628	86209	113414
Haryana	784	88	390	3437	8694	899	28372	42664
Karnataka	1609	208	1202	5986	17008	6151	85416	117580
Kerala	388	110	621	4110	5454	6535	87132	104350
Madhya Pradesh	2405	147	1557	11192	20685	2573	150613	189172
Maharashtra	2621	641	2411	15615	46851	6779	112109	187027
Orissa	1079	184	998	3029	6743	1515	38137	51685
Punjab	713	27	85	1933	2924	1	21453	27136
Rajasthan	1221	41	590	5227	17898	2290	113650	140917
Tamil Nadu	1440	73	437	3738	15851	2551	138270	162360
Tripura	121	22	61	170	325	148	2509	3356

Uttar Pradesh	5711	286	2049	4556	20695	3926	84885	122108
All India	32719	5141	17673	90108	273111	56235	1347615	1822602

Source: National Crime Records Bureau, Ministry of Home Affairs

Chapter 3

Resources in Districts of West Bengal

Districts of West Bengal are endowed with varied natural and human resources along with distinct socio-economic characteristics. In this chapter we present database of variety of natural and human resources of 19 districts of the State. It starts with presentation of some general information to be followed by database of natural resources and human resources.

Census of India, Directorate of Panchayats and Development and Planning Department provide database of administrative units of districts of the State like sub-division, block, mouza, inhabited village, town and household. These data are presented in Table 3.1. As per *Census of India* 2001, Paschim Medinipur district had the largest number of mouzas (8701) and inhabited villages (7581) followed by Bankura (both mouzas and inhabited villages numbered 3830). Burdwan had the largest number of towns (66) followed by Howrah (53) and North 24-Parganas had the largest number of municipal towns (27) followed by Burdwan (11). Number of rural households was largest in North 24-Parganas (1826518) followed by South 24-Parganas (1321929). Number of Assembly Constituencies in districts and Parliamentary Costituencies in West Bengal are shown in Table 3.2.

Table 3.1 Number of Sub-Divisions, Mouzas, Inhabited Villages, Blocks, Towns, Municipalities, Households in Districts of West Bengal, 2001

District	Sub-divisions 2005	Mouzas	Inhabited villages	Blocks 2005	Towns 2001	Municipal towns 2004	Households (Total)	Households (rural)	Households (urban)
Burdwan	6	2529	2529	31	66	9+2(M.C)	1390072	876572	513500
Birbhum	3	2473	2473	19	6	6	598429	545000	53429
Bankura	3	3830	3830	22	5	3	606020	559295	46725
Purba Medinipur	4	3035	2964	25	9	5	817830	1632430	195291
Paschim Medinipur	4	8701	7581	29	12	8	1009891		
Howrah	2	734	734	14	53	2+1(M.C)	838520	401768	436752
Hooghly	4	1915	1915	18	40	11+1(M.C)	1043895	679061	364834
North 24-Parganas	5	1581	1581	22	48	27	1826518	812095	1014423
South 24-Parganas	5	2139	2139	29	21	7	1321929	1088976	232953
Kolkata		-	-		1	0++1(M.C)	929586	-	929586
Nadia	4	1346	1346	17	25	10	959987	747109	212878
Murshidabad	5	2210	2210	26	29	7	1140095	1000713	139382
Uttar Dinajpur	2	1504	1504	9	6	4	464648	411735	52913
Dakshin Dinajpur	2	1683	1638	8	2	2	318079	279682	38397
Maldah	2	1798	1798	15	5	2	631935	582117	49818
Jalpaiguri	3	756	756	13	16	4	688139	560931	127208
Darjeeling	4	708	708	12	9	4+1(M.C)	318737	219401	99336
Coochbehar	5	1202	1202	12	10	6	517878	470336	47542
Purulia	3	2683	2683	20	12	3	449895	403601	46294
West Bengal	66	40782	40782	341	375	120+6(M.C)	15872083	1127082	460126

Source: Census of India,2001, Government of West Bengal (2006) and Govt. of West Bengal (2008).

Table 3.2 Assembly and Parliamentary Constituencies in Districts of West Bengal, 2009

District	Constituency	Number of un-reserved constituencies	Number of constituencies reserved for		Total
			Scheduled castes	Scheduled tribes	
Burdwan	Assembly	18	7	-	25
Birbhum	Assembly	8	3	-	11
Bankura	Assembly	6	4	2	12
Purba Medinipur	Assembly	14	2	-	16
Paschim Medinipur	Assembly	13	3	3	19
Howrah	Assembly	14	2	-	16
Hooghly	Assembly	14	4	-	18
North 24 -Parganas	Assembly	25	7	1	33
South 24-Parganas	Assembly	22	9	-	31
Nadia	Assembly	12	5	-	17
Murshidabad	Assembly	19	3	-	22
Uttar Dinajpur	Assembly	7	2	-	9
Dakshin Dinajpur	Assembly	3	2	1	6
Maldah	Assembly	9	2	1	12
Jalpaiguri	Assembly	2	5	5	12
Darjeeling	Assembly	4	1	1	6
Coochbehar	Assembly	4	5	-	9
Purulia	Assembly	5	2	2	9
Kolkata	Assembly	11	0	0	11
West Bengal	Assembly	210	68	16	294
	Parliamentary	30	10	2	42

Source: Chief Electoral Officer, West Bengal (2008), *The Delimitation of Parliamentary and Assembly Constituencies Order, 2008, West Bengal.*

3.1 Natural Resources

This section presents database of natural resources of districts including climate, rainfall, land and forest. *Statistical Abstract* published by the Bureau of Applied Economics and Statistics, Government of West Bengal, gives data on natural and human resources available across the districts which are located between $21^{o}\ 25^{'}$ and $27\ 13^{'}$ north latitude and between $87^{o}\ 46^{'}$ and $89^{o}\ 53^{'}$ east longitude.

Darjeeling Himalayan hill region is situated on the North-Western side of the state. This region belongs to the Eastern Himalaya range. The whole of the Darjeeling district except the Siliguri division and a narrow part in the Northern part of Jalpaiguri district constitutes the region. It starts abruptly up from the Terai region. The deep gorge of Tista has divided this mountainous region into two parts; the Singalila and Darjeeling Ranges run from north to south in the western part. The Singalila range is located along the border of Darjeeling and Nepal; it has four important peaks – Sandakfu, Falut, Sabargam and Tangu. Among the Himalayan ranges of this region, Singalila range hosts Sandakfu which is at 3,636 meters (11,929 ft) the highest point of West Bengal. Two high peaks, Tiger Hill and Ghoom are seen near the town of Darjeeling. Many ranges branch off in different directions from Tiger Hill. Dubindara is an important mountain in the eastern part of the mountainous region. A few hills also occur in the Terai or Dooars region at the foot of the Himalayas. Some remnants of the Siwaliks can be seen in the Jalpaiguri district, where they are known as the Buxa-Jayanti Hills.

The ‘‘Terai’’ ("moist land") is a belt of marshy grasslands, savannas, and forests at the base of the Himalaya range stretching southwards to about 38 km. Above the Terai belt lies the Bhabhar, a forested belt of rock, gravel, and soil eroded from the Himalayas. The Terai zone is composed of alternate layers of clay and sand, with a high water table that creates many springs and wetlands. The Terai zone is inundated yearly by the monsoon-swollen rivers of the Himalaya. The *Terai-Duar savanna and grasslands* is an ecoregion that stretches

across the middle of the Terai belt. The Terai-Duar savanna and wetlands are a mosaic of tall grasslands, savannas and evergreen and deciduous forests. The Terai and Dooars regions politically constitute the plains of Darjeeling District, whole of Jalpaiguri District and upper region of Coochbehar District in West Bengal. The slope of the land is gentle, from north to south. The general height of the land is 80 to 100 m. The entire region is made up of sand, gravel and pebbles laid down by the Himalayan rivers like the Teesta, Torsa, Raidak, Jaldhaka, Sankosh and several other small rivulets. The Teesta has divided the area into two parts - the western part is known as the Terai whereas the eastern part is known as the Dooars or Duars. The Dooars region can be further subdivided into the Siliguri or Western Dooars, the middle or Jalpaiguri Dooars and the eastern or Alipur Dooars.

North Bengal plain starts from the south of Terai region and continues up to the left bank of the Ganges. The southern parts of the district Jalpaiguri, North Dinajpur barring some extreme northern regions, South Dinajpur, Maldah and southern part of Coochbehar districts constitute this geographical region. The narrow land mass in the North Dinajpur district is known as Mahananda Corridor. This corridor runs north to south joining Maldah with the plains of Jalpaiguri and Coochbehar. The entire part of North and South Dinajpur is silt laden plain.

Mahananda River divides the district of Maldah into two parts. The eastern part consists of undulating plains and some tilas and is made up of old alluvium and is a part of the Ganges delta. It is also known as Barind or Barendrabhumi. In contrast to the eastern part, the western part is made up of new alluvium and in this part River Kalindi joins the Mahananda River. The part of Maldah lying to the north of river Kalindi is known as Tal. This is low land and covered with swamps and beels (small water bodies) whereas the area to the south of the Kalindi is a very fertile land and is known as diara.

The plain in the south of Jalpaiguri and Coochbehar districts is also made of new alluvium deposited by numerous rivers like the Teesta, Torsa, Raidak, Jaldhaka, Sankosh, Balason, Punarbhaba River, Atrai and several other small rivulets.

Rarh is the region that intervenes between the Western plateau and high lands and the Ganges Delta. Parts of the districts Murshidabad, Birbhum, Bankura, Burdwan and Medinipur constitute this region. The region is about 50 to 100 m above the sea level. This region is believed to be created from the soil from the Deccan plateau. The area is formed by the silt brought by the tributaries of the Bhagirathi, Mayurakshi River, Ajay River, the Damodar and Rupnarayan River which flow over the western plateau region made up of laterite soil and make the soil of the area red in colour. The land slope is from west to the south-east and formation of natural levees along the river banks is a common phenomenon.

A small coastal region is on the extreme south of the state. A part of the district of Purba Medinipur along the Bay of Bengal constitutes the coastal plain. This emergent coastal plain is made up of sand and mud deposited by rivers and by wind. Parallel to the coast are colonies of sand dunes and marshy areas. The Digha dune lies nearest to the Bay of Bengal while the Kanthi dune is the farthest from it. In some areas dunes occur at a distance of 15-16 km from the coast and are 11-12 m high.

The Sundarbans delta is the largest mangrove forest in the world situated in the South 24-Parganas district. It lies at the mouth of the Ganges and is spread across areas of Bangladesh and West Bengal, India. The Bangladeshi and Indian portions of the jungle are listed in the UNESCO world heritage list separately as the Sundarbans and Sundarbans National Park respectively, though they are parts of the same forest. The Sundarbans are intersected by a complex network of tidal waterways, mudflats and small islands of salt-tolerant mangrove forests, and presents an excellent example of ongoing ecological processes. The general average height of the area is 10 m. This area has been created by deposition of silt by its numerous rivers, namely Hooghly, Matla River, Jamira River, Gosaba River, Saptamukhi River, Haribhanga River and their tributaries. The formation of the delta is an ongoing process and new bars and islands are being created along the rivers and at the river mouth. A large section of the area remains under water during incoming tides.

The area is known for its wide range of fauna. The most famous among these is the Bengal Tiger, but numerous species of birds, spotted deer, crocodiles and snakes also inhabit it. It is estimated that there are now 400 Bengal tigers and about 30,000 spotted deer in the area.

The Western plateau and highlands forms the eastern fringes of the Chota Nagpur Plateau and is made up of igneous rocks of the Archaen era as well as coal-bearing mudstone and quartzite rocks of Carboniferous era. The western part of Purulia, Bankura, Birbhum, Burdwan and Paschim Medinipur districts constitutes this area.

Because of long and continuous erosion, the whole region has been transformed into an undulating plain. This area is interspersed by small monad nocks locally known as tila. Some of important hills in the area include Ayodhya Hills (667 m), Panchet and Baghmundi of Purulia, Biharinath (452 m) and Susunia (442 m) of Bankura. The area has a slope from the west to the east. The altitude in the area ranges from 500 to 100 m. Gorgaburu in the Ayodhya Hills (677 m) is the highest point in the region.

The Ganges delta consists of the whole of Murshidabad district, Nadia, Kolkata, Hooghly and Howrah and the northern part of North and South 24-Parganas. River Ganga passes through this vast area and divides into three distinct parts – the old delta, the mature delta and the active delta.

The old delta consists of the districts of Murshidabad and Nadia. The formation of delta is complete and the rivers here are heavily silted and many have even dried up in due course of time. Silted rivers, swamps, beels and oxbow lakes form the area. This area is also known as Bagri region. The districts of Kolkata, Hooghly, and Howrah and part of North 24-Parganas form mature delta region. The rivers are slow and meandering and frequently shift their courses. Swamps, beels and oxbow lakes characterise the scenery. The northern portion of South 24-Parganas district is known to be the active delta of the Ganga, where the formation of delta is still an ongoing process.

The Ganges enters West Bengal near Rajmahal and then flows in south-easterly direction. It divides into two near north of Dhulian in Murshidabad district. One branch enters Bangladesh as the *Padma* or *Pôdda*, while the other flows through West Bengal as the Bhagirathi River and Hooghly River in southern direction. The Bhagirathi is the main river in West Bengal which flows past some of the important cities like Murshidabad, Baharampur, Nabadwip, Chinsura, Chandannagar, Srirampur, Howrah, Kolkata, Diamond Harbour and Haldia. It empties its water into Bay of Bengal near Sagar Island in the South 24-Parganas.

The Mayurakshi, the Ajay, the Damodar, the Kangsabati, the Rupnarayan rivers and their tributaries which rise in the Western plateau and high lands flow eastwards through the different districts of West Bengal and joins the Bhagirathi on the right bank. The Mayurakshi, which is fed by tributaries Brahmani, Dwaraka, Bakreshwar and Kopai joins the Bhagirathi near Kalna; the Ajay which rises in the hills of Bihar and flows down the plateau fringe marking the boundary between Bankura and Birbhum districts joins it near Katwa and Damodar, with its small meandering distributaries, small streams, Khari, Banka and Behula and joins the Bhagirathi near Uluberia. The Damodar which is known as the sorrow of Bengal is now controlled by the Damodar Valley Project. The Dwarkeshwar and Silabati rivers join to form Rupnarayan and the Kangsabati and Keleghai rivers join to form the Haldi river. The Rupnarayan and the Haldi fall into the Bhagirathi in Murshidabad district. The Subarnarekha river after flowing for a short distance in West Bengal reenters into Orissa. These rivers carry with them plenty of water thus keeping the Bhagirathi river submerged with water throughout the year. The rivers along with water carry silt and sand eroded from the western plateaus and deposits them in the Bhagirathi and the rivers themselves. This silting is causing great inconvenience for the Kolkata Port and often result in flooding in the years of heavy rain.

The distributaries of the Padma River like Bhairab, Jalangi, Mathabhanga rivers and their tributaries enter West Bengal and join the Bhagirathi on its left bank. The Bhairab and the Jalangi meet and their joined waters known as the Jalangi fall into the Bhagirathi. The Mathabhanga divides into branches, namely the Churni and the Ichhamati; while the Churni meets the Bhagirathi the other flows southwards and joins the Kalindi.

The Sunderbans region is covered by numerous estuaries and streams, mainly distributaries of main rivers. The rivers are interconnected and are fed by tidal waters. The major rivers of the area are Hooghly, Malta, Jamira, Gosaba, Saptamukhi, Haribhanga, Piyali, Thakuran, Raimanga, Kalindi and Ichhamati.

The Teesta flows cutting deep gorges from north to south in the mountainous Darjeeling district; it enters the plains at Sevoke and flows in mighty stream on straight line towards the south east until it pours its waters into the Brahamaputra in Bangladesh. Torsa, Jaldhaka, Kaljani, Raidak, Sankosh and Mahananda rivers are in the northern hilly region, which rise in the Himalayas and flow in southerly direction through the districts of Darjeeling, Jalpaiguri, Coochbehar and North and South Dinajpur and enter Bangladesh. As most of the rivers are snow fed, so most of the rivers are perennial in nature often causing floods during the rainy season. The entire region is made up of sand, gravel and pebbles laid down by these rivers. The Mahananda rises from the Dow Hills forest, near the town of Darjeeling and is fed by similar small rivers like Mahanadi, Balason, and Machi and runs in zig-zag way through the district of Maldah and joins the Padma in Bangladesh. In the central

region, the main river is the Mahananda. The Tangan, the Punarbhava and the Atrai arise in the plains, while the former two join together and flows into the Mahanadi, the Atrai flows into the Padma.

West Bengal's climate varies from tropical savannah in the southern portions to humid subtropical in the north. The main seasons are summer, rainy season, a short autumn, and winter. While the summer in the delta region is noted for excessive humidity, the western highlands experience a dry summer like northern India, with the highest day temperature ranging from 38 °C (100 °F) to 45 °C (113 °F). At nights, a cool southerly breeze carries moisture from the Bay of Bengal. In early summer brief squalls and thunder storms known as "kal-baisakhi" often arrive from the north or northwest. Monsoons bring rain to the whole state from June to September. West Bengal receives the Bay of Bengal branch of the Indian ocean monsoon that moves in northwest direction. Winter (December–January) is mild over the plains with average minimum temperatures of 15 °C (59 °F). A cold and dry northern wind blows in the winter, substantially lowering the humidity level. However, the Darjeeling Himalayan Hill region experiences a harsh winter, with occasional snowfall at places.

Temperature and rainfall: The maximum temperature in 2003 varied from 35^0c in Paschim Medinipur district to 44^0c in Bankura and Birbhum districts and the minimum temperature from -2^0c in Maldah to 5^0c in Bankura and Birbhum. Rainfall across the districts of the State during 1980 to 2004 varied widely from 4698 cm. in Jalpaiguri district in 1998 to 840 cm. in Burdwan district in 1982 and Coochbehar district during 2004 recorded the highest rainfall (3274 cm.) followed by Jalpaiguri district (3073 cm). During the period from 1980 to 2005 rainfall in seven districts of West Bengal, viz. Purba Medinipur, Paschim Medinipur, Howrah, South 24-Parganas, Maldah, Jalpaiguri and Coochbehar recorded increase in rainfall. Other districts of West Bengal registered decline in rainfall (Table 3.3 & Table 3.4).

Land Area: As per *Census of India*, total geographical area was largest in South 24-Parganas district (9960 sq. km.) followed by Burdwan (7024 sq. km.), the lowest area being recorded in Kolkata (185 sq. km.) in 2001. Trend of area under different uses of land shows that area under forest, miscellaneous tree crops and groves, permanent pasture and other grazing land, fallow land other than current fallow and land area under current fallow and barren and unculturable waste land has been declining in most of the districts while that under non-agricultural uses has been increasing. In 2001, North 24-Parganas district accounted for 11.14 per cent of the total geographical area of West Bengal followed by South 24-Parganas district and Burdwan.

Forest: In 2003, very dense forest area was largest in South 24-Parganas district followed by Jalpaiguri and moderate dense forest area was largest again in South 24-Parganas district followed by Darjeeling while open forest area and total forest area were largest in undivided Medinipur district followed by Jalpaiguri. Percentage of forest area to total geographical area was highest in Darjeeling district followed by Jalpaiguri district. As many as nine districts, namely Birbhum, Bankura, Howrah, Hooghly, Murshidabad, Maldah , Jalpaiguri, North 24-Parganas and Darjeeling recorded increase in the area under forest during 1980 to 2005 while other districts of West Bengal registered decrease in the forest area during the same period. There is no substantial change in the forest area in the districts of Purba Medinipur and South 24-Parganas. Forest area as percentage of reporting area during 2006-07 was highest in North 24-Parganas (South) district (44.94 per cent) followed by Darjeeling (38.27 per cent) and Jalpaiguri (28.75 per cent) and Bankura (21.68 per cent) (Table 3.5 and Table 3.6). In Table 3.7 is shown area under permanent pasture and other grazing land in districts of West Bengal during 1980-81 to 2006-07, which is very small relative to other uses of land.

Tree crops and groves: Area under tree crops and groves increased in the district of Darjeeling only while other districts of the State registered decrease in the area under tree crops and groves during the period of 1980 to 2005 (Table 3.8).

Waste land and pasture and grazing land: Seven districts of West Bengal, namely Howrah, Hooghly, North 24-Parganas, Maldah, Murshidabad, Darjeeling and Jalpaiguri recorded increase during the period of 1980 to 2005 in the barren and unculturable waste, the highest increase is observed in the district of Howrah followed by Hooghly and the least increase is witnessed in Jalpaiguri. The rest of the districts of West Bengal registered decrease in waste land during this period (Table 3.9).

Non-agricultural land: All the 19 districts of West Bengal recorded increase in the area under non-agricultural use, the highest being recorded in Darjeeling followed by Bankura and the least increase is registered in Howrah during 1980 to 2005. Percentage of area not available for cultivation was highest in Howrah (35.90 per cent) followed by North 24 Parganas (30.97 per cent). Other uncultivated land excluding current fallows was

highest in Coochbehar (3.20 per cent) followed by Purulia (2.97 per cent), Darjeeling (2.48 per cent) and Paschim Medinipur (2.26 per cent). Percentage of current fallows was highest in Maldah (18.90 per cent) followed by Purulia (18.47 per cent) and Bankura (5.88 per cent) (Table 3.10 and Table 3.11).

Net area sown: Percentage of net area sown was highest in Uttar Dinajpur (88.84 per cent) followed by Dakshin Dinajpur (78.87 per cent).

Minerals: Coal is an important mineral resource in the district of Burdwan. It is extracted from about 228 mines in the Raniganj and Asansol region of this district. High grade bituminous coal is mined at Raniganj, Dishergarh, Santaldih, Kulti, Barakar, Ghushik, Kajora. Coalfields stretch over an area of about 1,550 km² (598 sq. miles). The coalfields of Raniganj support the Asansol-Durgapur industrial belt by providing fuel to the industries and also support generation of thermal power. Lignite mined in Darjeeling is used to make briquettes. Coal deposits are also found along the Ajoy river in Birbhum district. Most of fireclay is extracted in the Raniganj region along with few amount that is also extracted from Birbhum and Purulia. China clay used in the pottery, paper, textile, rubber and paint industries is unearthed at Mohammad Bazaar in Birbhum and Mejia in Bankura. Rest of the production comes from Purulia, Burdwan, Darjeeling and Jalpaiguri. In 1993-94, 1.24 lakh metric tonnes of fireclay were produced in West Bengal. Limestone which is used in cement industry is mined in Bankura, Purulia, Darjeeling and Jalpaiguri districts. There are copper mines in Jalpaiguri and Darjeeling. Small quantities of low quality iron-ore are mined in Burdwan, Purulia, Birbhum and Darjeeling districts. There is manganese ore in the Jhargram region of Paschim Medinipur district, Purulia and Burdwan districts. Wolfram is mined at Jhilimili in Bankura. The State's production of dolomite comes from the Dooars region of Jalpaiguri. 38.5 thousand tonnes of dolomite were raised in 1993-94. There are good possibilities of obtaining mineral oil and natural gas in the areas near the Bay of Bengal, in Purba Medinipur, Sundarbans, South 24-Parganas and North Bengal plains.

Table 3.3 Location and Temperature in Districts of West Bengal

Districts	Latitude	Longitude	Temperature					
			Max. 2003	Min. 2003	Max. 2004	Min. 2004	Max. 2005	Min. 2005
Burdwan	N 23^0 53'N S 22^0 56'N	E 88^0 55'E W 86^0 48'E	43^0c	5^0c	44^0c	8^0c	45^0c	10^0c
Birbhum	N 24 35^0 00'N S 23^0 32' 30''N	E $88^0$1'40''E W $87^0$05'25''E	44^0c	5^0c	44^0c	7^0c	45^0c	7^0c

Table 3.3 (continued)

Districts	Latitude	Longitude	Temperature					
			Max. 2003	Min. 2003	Max. 2004	Min. 2004	Max. 2005	Min. 2005
Burdwan	N 23^0 53'N S 22^0 56'N	E 88^0 55'E W 86^0 48'E	43^0c	5^0c	44^0c	8^0c	45^0c	10^0c
Birbhum	N 24 35^0 00'N S 23^0 32' 30''N	E $88^0$1'40''E W $87^0$05'25''E	44^0c	5^0c	44^0c	7^0c	45^0c	7^0c
Bankura	N $23^0$38'N S22^0 38'N	E $87^0$46'E W$86^0$036'E	44^0c	6^0c	45^0c	8^0c	45^0c	9^0c
Paschim Medinipur	N22^0 57'10''N S21^0 36'35''N	E$88^0$12'40''E W$86^0$33'50''E	43^0c	7^0c	45^0c	7^0c	45^0c	11^0c
Purba Medinipur	N22^0 57' 10''N S$21^0$36' 35''N	E$88^0$12'40''E E$86^0$33'50''E	39^0c	7^0c	43^0c	8^0c	42^0c	15^0c
Howrah	N22^0 48'N N22^0 12'N	W$88^0$23'E W$87^0$50'E	35^0c	8^0c	39^0c	8^0c	37^0c	10^0c
Hooghly	N23^0 1'N 20''N S22^0 39' 32''N	E$88^0$30'15''E W$87^0$30'20E	40^0c	7^0c	40^0c	8^0c	43^0c	10^0c
North 24-Parganas	N$22^0$57'N S$22^0$30'N	E$89^0$6'E W$88^0$09'E	40^0c	8^0c	41^0c	9^0c	41^0c	10^0c
South 24parganas	N$22^0$33'45''N S$21^0$29'0''N	E$89^0$4'50''E W$88^0$3'45''E	40^0c	8^0c	41^0c	9^0c	39^0c	10^0c
Kolkata	N$24^0$50'20N S$23^0$43'30'N	E(N.A) W$87^0$48'37''E	43^0c	7^0c				
Nadia	N$24^0$11' N N$22^0$53' N	E$88^0$48'E E$88^0$9'E	43^0c	6^0c	40^0c	9^0c	41^0c	10^0c
Murshidabad	S$24^0$50'20''N S$23^0$43'30''N	E$88^0$46'00''E E$87^0$49'17''E	43^0c	7^0c	43^0c	9^0c	44^0c	11^0c
Uttar Dinajpur	S$26^0$35'15''N S25032'08''N	E$89^0$53'00''E E$87^0$48'37''E	37^0c	8^0c	39^0c	13^0c	41^0c	-
Dakshin Dinajpur	S$24^0$40'20''N N$25^0$10'55''N	E$89^0$0'30''E W87059'E	37^0c	8^0c	39^0c	-	41^0c	12^0c
Maldah	N$25^0$32'08''N N$24^0$40'20''N	E$88^0$28'10''E E$87^0$45'50''E	41^0c	4^0c	43^0c	9^0c	42^0c	11^0c
Jalpaiguri	N$27^0$00'N N$26^0$16'00''N	E$89^0$53'00''E E$88^0$25'00''E	38^0c	5^0c	37^0c	8^0c	37^0c	10^0c
Darjeeling	N$27^0$13'N N$26^0$31'N	E$88^0$53'E E$87^0$59'E	-	-2^0c	21^0c	1^0c	25^0c	-3^0c
Coochbehar	N$26^0$32'20''N N$25^0$57'40''N	E$89^0$54'35''E E$88^0$47'40''E	37^0c	5^0c	36^0c	6^0c	36^0c	9^0c
Purulia	N$23^0$42'00''N N$22^0$43'00''N	E$86^0$54'00''E E$85^0$49'00''E	-	-	-	-	-	-

Notes: N = North, S = South, E = East, W = West.
Source: Government of West Bengal, *District Statistical Handbook*

Table 3.4 Rainfall in Districts of West Bengal (Annual Total), 1980 to 2007 (millimeters)

Year	Burdwan	Birbhum	Bankura	Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1980	1427	1924	1344	1391	NA	NA	1291	1582	1573	NA
1981	1470	1422	1495	1913	NA	NA	1940	1876	1673	NA
1982	840	962	988	1254	NA	NA	1255	914	1544	NA
1983	1285	1462	1238	1292	NA	NA	1446	1329	1920	NA
1984	1640	1699	1771	1868	NA	NA	2093	1683	1997	NA
1985	1045	1134	1531	1351	NA	NA	1303	1399	1417	NA
1986	1256	1446	1490	1823	NA	NA	1835	1728	2132	NA
1987	1453	1316	1344	1236	NA	NA	1372	1562	1695	NA
1988	1415	1432	1349	1391	NA	NA	1472	1563	1947	NA
1989	1202	1447	1518	1558	NA	NA	1222	1255	1432	NA
1990	1557	1542	1640	2152	NA	NA	1953	1571	2208	NA
1991	1443	1348	1587	1584	NA	NA	1651	1845	1718	NA
1992	1019	1069	1149	1466	NA	NA	1210	1057	1493	NA
1993	1539	1554	1569	2219	NA	NA	1662	1580	NA	1836
1994	1192	1338	1459	1638	NA	NA	1317	1176	NA	1352
1995	1319	1406	1459	1530	NA	NA	1571	1451	NA	1670
1996	1419	1406	1459	1530	NA	NA	1571	1451	NA	1626
1997	1471	1642	1492	1654	NA	NA	1614	1546	NA	1511
1998	1641	1774	1508	1720	NA	NA	1636	1596	NA	1636
1999	1964	1917	1525	1788	NA	NA	1659	1648	NA	-
2000	1830	2015	1235	1381	NA	NA	1465	1530	NA	-
2001	1277	1338	1323	1561	1455	1668	1308	1197	NA	1382
2002	1516	1522	1437	1724	1785	1663	1385	1361	NA	1351
2003	1173	1183	1317	NA	1759	1446	1309	1129	NA	1347
2004	1193	1422	1211	NA	1505	1363	1365	1118	NA	1407
2005	1224	1264	1213	NA	1659	1660	1612	1198	NA	1262
2006	1446	1605	1313	NA	1703	1436	1513	1129	NA	1316
2007	1813	1711	1803	NA	2171	2111	2025	1606	NA	1479

Table 3.4 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia
1980	NA	1521	1823	2118	NA	NA	1558	3025	2510	3454	1448
1981	NA	1525	1638	15002	NA	NA	1938	2315	3085	2461	1178
1982	NA	866	928	1438	NA	NA	1146	1732	2865	2933	1006
1983	NA	1206	1402	1978	NA	NA	1282	2791	3219	3866	1058
1984	NA	1678	1546	2223	NA	NA	1374	3053	4059	3905	1265
1985	NA	1067	957	1967	NA	NA	1333	3450	3141	3825	1324
1986	NA	1541	1612	1889	NA	NA	1772	3043	2610	2779	1361
1987	NA	1656	1489	2563	NA	NA	2059	3111	4001	4261	1402
1988	NA	1474	1867	2485	NA	NA	1726	2550	3814	4160	1160
1989	NA	1435	1523	-	NA	NA	1335	3842	3600	3676	1144

Table 3.4 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia
1990	NA	1685	1538	2377	NA	NA	1526	3434	3810	1357	1811
1991	NA	1386	1429	2186	NA	NA	1940	3903	3843	3064	1231
1992	NA	1071	1030	1523	NA	NA	1294	2820	2729	2370	1267
1993	2216	1501	1584	NA	1844	1977	1419	4085	3045	3254	1274
1994	1938	1032	1208	NA	1521	1081	1325	2521	2448	1972	1560
1995	2655	1376	1438	NA	2416	2402	1625	3012	2729	2610	1478
1996	1959	1376	1438	NA	1824	1647	1635	3023	2526	2865	1496
1997	1840	1477	1512	NA	1669	1442	1871	2587	2786	3085	2182
1998	2069	1530	1550	NA	3026	2267	2001	2207	3072	3202	2635
1999	-	1585	1589	NA	-	-	2141	1606	3736	3323	3182
2000	-	1571	1753	NA	-	-	1500	1033	3733	3123	2961
2001	1792	1424	1362	NA	2259	1656	1557	1434	3205	2727	2526
2002	1552	1375	1190	NA	1943	1607	1381	1383	2932	2636	2786
2003	1754	1172	1255	NA	1971	1624	1652	3842	3399	3218	1260
2004	1599	1224	1471	NA	1513	1640	1919	3924	2841	3067	1220
2005	2155	1195	1172	NA	1826	1965	1579	3073	2490	3274	1079
2006	1892	1143	1372	NA	1261	1156	1329	3017	3015	2149	1276
2007	2169	1612	1713	NA	1518	1501	1716	3488	3806	2537	1611

Source: Government of West Bengal, *Statistical Abstract* 2005

Notes: NA = Not applicable, - = Figure Not Available

Table 3.5 Forest Area by Type in Districts of West Bengal, 2003 (Sq. km.)

District	Geographical area (GA)			Forest				
	Total	Rural	Urban	Very dense forest	Moderate dense forest	Open forest	Total	Percentage of GA
Bankura	6882	6820.51	61.49	100	315	612	1027	14.92
Burdwan	7,024	6223.82	800.18	16	80	143	239	3.4
Birbhum	4,545	4495.02	49.98	0	18	50	68	1.5
Kolkata	185	-	185.00	0	0	0	0	0
Coochbehar	3,387	3345.66	41.34	0	25	62	87	2.57
Dakshin Dinajpur	2,219	2196.30	22.70	0	2	13	15	0.68
Darjeeling	3,149	3073.77	75.23	472	893	856	2,221	70.53
Howrah	1,467	1247.76	219.24	0	5	75	80	5.45
Hooghly	3,149	2950.19	198.81	0	2	67	69	2.19
Jalpaiguri	6,227	6105.93	121.07	607	573	1,233	2,413	38.75
Maldah	3,733	3707.63	25.37	0	59	58	117	3.13
Undivided Medinipur	14,081	13695.78	385.22	186	571	1,798	2,555	18.15
Murshidabad	5,324	5195.11	128.89	0	25	60	85	1.6
Nadia	3,927	3716.83	210.17	1	24	70	95	2.42
North 24-Parganas	4,094	3594.44	499.56	16	34	72	122	2.98
Purulia	6,259	6179.63	79.37	34	239	499	772	12.33
South 24-Parganas	9,960	9783.24	176.76	870	908	505	2,283	22.92
Uttar Dinajpur	3,140	3095.64	44.36	0	4	161	165	5.25
Total	88,752	85427.26	3324.74	2,302	3,777	6,334	12,413	13.99

Source: Forest Survey of India, Dehradun, *State of Forest Report 2005*. Dehradun, FSI, 2008.

Table 3.6 Area under Forest in Districts of West Bengal, 1980-81 to 2006-07 (Thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Hooghly	24-Parganas
1980-81	30.95	15.67	139.55	172.14	NA	NA	0.29	426.26
1981-82	30.95	15.67	139.55	172.14	NA	NA	0.29	426.26
1982-83	27.90	15.90	148.20	170.90	NA	NA	0.30	426.30
1983-84	27.90	15.90	148.20	170.90	NA	NA	0.30	426.30
1984-85	27.90	15.90	148.20	170.90	NA	NA	0.30	426.30
1985-86	27.90	15.90	148.20	170.90	NA	NA	0.30	426.30
1986-87	27.90	15.90	148.20	170.90	NA	NA	0.30	426.30
1988-89	27.70	15.90	148.20	170.90	NA	NA	0.30	426.3
1994-95	28.78	15.03	148.35	170.81	NA	NA	0.65	NA
1995-96	28.78	15.03	148.35	170.83	NA	NA	0.65	NA
1996-97	28.78	15.05	148.35	170.83	NA	NA	0.65	NA
1997-98	28.78	15.05	148.35	170.83	NA	NA	0.65	NA
1998-99	28.78	15.05	148.35	170.83	NA	NA	0.65	NA
1999-00	28.78	15.05	148.35	170.83	NA	NA	0.65	NA
2000-01	28.78	16.03	148.35	NA	1.22	169.61	0.65	NA
2001-02	22.51	16.03	148.35	NA	1.22	169.61	0.65	NA
2002-03	22.24	15.85	147.29	NA	0.90	180.72	0.65	NA
2003-04	22.26	15.85	147.69	NA	0.90	169.69	0.53	NA
2004-05	22.27	15.85	148.93	NA	0.90	171.93	0.53	NA
2005-06	22.26	15.85	148.93	NA	0.89	171.93	0.53	NA
2006-07	21.17	15.83	149.16	NA	0.91	171.97	0.53	NA

Table 3.6 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia
1980-81	NA	1.25	0.78	1.30	NA	NA	1.37	172.56	22.60*	5.70	87.61
1981-82	NA	1.25	0.78	1.30	NA	NA	1.37	172.56	22.60*	5.70	87.61
1982-83	NA	1.30	0.80	1.80	NA	NA	2.00	179.00	22.60	5.70	87.60
1983-84	NA	1.30	0.80	1.80	NA	NA	2.00	179.00	22.60	5.70	87.60
1984-85	NA	1.30	0.80	1.80	NA	NA	2.00	179.00	22.60	5.70	87.60
1985-86	NA	1.30	0.80	1.80	NA	NA	2.00	179.00	22.60	5.70	87.60
1986-87	NA	1.30	0.80	1.80	NA	NA	2.00	179.00	22.60	5.70	87.60
1988-89	NA	1.30	0.80	1.80	NA	NA	2.00	179.00	120.40	5.70	8.76
1994-95	426.55	1.22	0.97	1.97	NA	NA	1.68	173.95	124.57	8.78	85.83
1995-96	426.30	1.22	0.77	1.96	NA	NA	1.68	179.00	124.57	8.78	87.60
1996-97	426.30	1.22	0.77	1.96	NA	NA	1.68	179.00	124.57	8.78	87.60
1997-98	426.30	1.22	0.77	1.96	NA	NA	1.68	179.00	124.57	8.78	87.60
1998-99	426.30	1.22	0.77	1.96	NA	NA	1.68	179.00	124.57	8.78	87.60

Table 3.6 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia
1999-00	426.30	1.22	0.77	1.96	NA	NA	1.68	179.00	124.57	8.78	87.60
2000-01	426.30	1.22	0.77	NA	0.58	0.93	1.67	179.00	124.58	8.28	87.64
2001-02	426.30	1.22	0.77	NA	0.58	0.93	1.68	179.00	124.57	3.15	87.64
2002-03	426.30	1.22	0.77	NA	0.58	0.93	1.68	179.00	124.57	3.77	87.17
2003-04	426.30	1.22	0.77	NA	0.58	0.93	1.68	179.00	124.58	4.26	75.05
2004-05	426.30	1.22	0.77	NA	0.58	0.93	1.68	179.00	124.58	4.25	75.05
2005-06	426.50	1.22	0.77	NA	0.58	0.93	1.68	179.0	124.57	4.25	75.05
2006-07	426.35	1.21	0.80	NA	0.59	0.75	1.67	179.0	124.56	4.24	75.08

Sources: Government of West Bengal, *Statistical Abstract 2005* and Directorate of Agriculture, Evaluation Wing, Government of West Bengal, *Estimates of Area and Production of Principal Crops of West Bengal.*

Table 3.7 Area under Permanent Pasture and Other Grazing Land in Districts of West Bengal, 1980-81 to 2006-07

(in thousand hectare)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas
1980-81	0.27	0.13	0.21	1.93	NA	NA	-	-	0.32
1981-82	-	-	0.01	0.88	NA	NA	-	-	0.07
1982-83	-	0.03	0.13	0.02	NA	NA	-	-	-
1983-84	-	-	0.10	2.25	NA	NA	-	-	0.03
1984-85	0.16	-	0.10	0.07	NA	NA	-	-	0.01
1985-86	-	-	-	5.14	NA	NA	-	-	-
1986-87	0.19	1.36	1.32	0.97	NA	NA	0.00	0.02	0.42
1994-95	0.05	0.62	2.47	1.01	NA	NA	-	0.03	NA
1995-96	0.19	0.58	2.59	1.28	NA	NA	0.01	0.03	NA
1996-97	0.23	0.86	2.67	0.92	NA	NA	-	0.02	NA
1997-98	0.34	0.58	2.75	1.37	NA	NA	0.01	0.02	NA
1998-99	0.46	0.58	1.60	0.89	NA	NA	-	0.03	NA
1999-00	0.29	0.67	1.38	0.94	NA	NA	0.12	0.05	NA
2000-01	1.27	0.72	0.66	NA	0.1	0.78	0.09	0.04	NA
2001-02	0.3	0.57	0.66	NA	0.04	0.56	0.04	0.03	NA
2002-03	0.12	0.39	0.5	NA	0.17	1.01	0.49	-	NA
2003-04	0.63	0.31	0.51	NA	0.07	0.65	0.14	0.11	NA
2004-05	0.38	0.4	1.5	NA	0.01	0.62	0.03	0.07	NA
2005-06	0.16	0.26	0.95	NA	0.05	1.70	-	0.06	NA
2006-07	0.65	0.25	0.72	NA	-	0.89	-	0.10	NA

Table 3.7 (continued)

Year	South 24-Parganas	Nadia	Murshi-dabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia
1980-81	0.3	0.21	-	-	NA	NA	0.02	0.27	-	0.12	-
1981-82	-	0.31	-	0.10	NA	NA	-	0.15	-	-	-
1982-83	-	-	-	-	NA	NA	.010	0.32	-	-	-
1983-84	-	6.62	-	-	NA	NA	-	0.01	-	-	-
1984-85	-	0.02	0.05	0.27	NA	NA	0.08	0.10	-	-	0.09
1985-86	-	0.28	-	0.10	NA	NA	-	-	-	0.02	-
1986-87	-	0.00	0.11	0.04	NA	NA	0.26	0.22	2.13	0.75	0.70
1994-95	0.01	0.15	0.36	0.02	NA	NA	-	0.23	1.37	0.04	-
1995-96	0.05	0.31	0.02	0.02	NA	NA	-	0.23	1.39	0.01	0.32
2000-01	0.01	0.1	0.08	-	0.07	-	-	0.01	1.17	0.03	0.24
2001-02	-	0.14	0.18	-	-	-	-	-	1.2	0.02	0.33
2002-03	-	0.03	0.03	-	0.37	0.01	-	0.01	1.01	0.25	0.9
2003-04	-	0.1	0.04	-	0.09	-	-	-	0.91	0.48	0.65
2004-05	0.01	0.03	0.04	-	0.02	0.01	-	-	0.86	0.02	0.54
2005-06	-	0.53	0.12	-	-	-	-	-	0.78	0.01	0.87
2006-07	-	0.07	0.14	-	-	0.08	-	-	0.76	0.14	1.03

Source: As in Table 3.4

Table 3.8 Area under Tree Crops and Groves in Districts of West Bengal, 1980-81 to 2005-06 (in thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1980-81	6.82	5.08	8.21	41.12	NA	NA	4.33	6.74	11.00	NA
1981-82	3.16	11.37	6.24	23.50	NA	NA	5.29	6.88	8.99	NA
1982-83	7.08	11.11	6.55	26.68	NA	NA	5.06	5.62	11.03	NA
1983-84	7.52	10.49	4.89	29.23	NA	NA	5.64	6.51	9.88	NA
1984-85	7.82	6.32	2.57	19.41	NA	NA	6.32	6.72	13.61	NA
1985-86	7.30	1.77	7.12	35.80	NA	NA	4.24	6.47	5.48	NA
1986-87	1.40	1.61	1.26	13.02	NA	NA	2.11	1.77	3.66	NA
1994-95	0.68	13.56	1.47	9.21	NA	NA	4.34	2.27	NA	4.39
1995-96	0.83	14.29	1.69	9.86	NA	NA	1.52	2.17	NA	2.94
1996-97	1.36	8.25	1.94	14.36	NA	NA	1.03	2.12	NA	4.06
1997-98	2.93	2.15	1.80	15.23	NA	NA	1.18	2.12	NA	2.55
1998-99	6.20	1.78	1.29	12.35	NA	NA	1.02	2.39	NA	2.07
1999-00	1.00	2.39	2.14	14.05	NA	NA	0.83	2.10	NA	5.78
2000-01	0.63	0.78	0.58	NA	3.41	7.71	1.10	2.29	NA	4.35
2001-02	0.68	0.63	1.56	NA	4.73	5.91	1.68	1.88	NA	6.94
2002-03	1.04	0.80	0.31	NA	3.11	5.82	1.39	1.60	NA	5.83
2003-04	3.01	0.75	0.88	NA	3.90	6.46	0.74	2.30	NA	8.71
2004-05	1.20	1.57	2.13	NA	3.31	9.93	0.94	3.18	NA	4.76
2005-06	2.29	0.06	6.27	NA	3.60	11.70	1.97	1.95	NA	4.32

Table 3.8 (continued)

Year	South 24-Parganas	Nadia	Murshi-dabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia
1980-81	NA	10.66	8.49	5.35	NA	NA	7.38	6.32	0.70*	9.74	14.32
1981-82	NA	6.27	4.16	5.55	NA	NA	3.38	8.10	0.95	8.46	3.14
1982-83	NA	7.07	7.35	5.00	NA	NA	3.54	8.27	0.98	7.14	18.11
1983-84	NA	9.41	8.82	6.40	NA	NA	3.52	8.76	0.92	9.26	9.63
1984-85	NA	11.73	8.72	6.53	NA	NA	4.98	8.25	1.47	12.52	27.88
1985-86	NA	15.85	5.96	6.17	NA	NA	5.46	8.70	0.51	9.07	25.99
1986-87	NA	2.75	1.62	3.20	NA	NA	3.20	4.94	5.66	6.56	0.99
1994-95	3.32	4.21	8.83	2.04	NA	NA	4.38	9.06	1.88	9.20	0.99
1995-96	4.48	4.34	9.22	3.03	NA	NA	3.97	8.6	1.63	8.04	1.91
1996-97	4.34	3.60	9.20	4.87	NA	NA	3.12	5.42	1.87	8.72	3.22
1997-98	3.90	4.13	9.14	6.80	NA	NA	2.92	9.36	1.87	7.57	2.96
1998-99	4.46	4.67	9.14	NA	2.94	-	3.04	9.95	1.87	7.61	1.01
1999-00	5.82	3.25	2.18	NA	3.55	-	3.04	8.29	2.46	8.77	8.90
2000-01	2.82	4.69	1.19	NA	2.49	0.58	3.09	6.51	2.5	6.09	6.24
2001-02	2.6	3.41	1.39	NA	3.37	0.46	2.99	4.57	3.74	6.44	3.02
2002-03	1.9	3.47	3.67	NA	2.61	0.65	3.05	7.04	3.15	8.74	1.26
2003-04	2.76	2.64	2	NA	3.23	0.67	3.01	5.07	1.94	8.97	0.82
2004-05	3.34	3.78	2.88	NA	3.18	0.67	2.98	4.54	1.08	8.03	0.21
2005-06	1.94	4.12	0.99	NA	3.03	0.59	2.69	5.27	2.09	7.46	1.81

Source: As in Table 3.4

Table 3.9 Barren and Unculturable Waste in Districts of West Bengal, 1980-81 to 2006-07 (In thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas
1980-81	1.96	0.65	5.54	4.46	NA	NA	0.05	0.28	0.31
1981-82	0.61	0.88	3.22	3.38	NA	NA	0.04	1.63	0.70
1982-83	1.36	0.74	3.76	4.12	NA	NA	-	0.08	0.60
1983-84	1.96	1.19	3.61	6.88	NA	NA	-	0.11	0.89
1984-85	1.24	0.39	2.92	7.92	NA	NA	0.01	2.73	5.82
1985-86	0.09	1.37	4.04	4.15	NA	NA	0.31	0.92	0.24
1986-87	3.73	3.35	4.64	9.42	NA	NA	0.07	0.83	2.96
1994-95	4.45	3.28	2.88	7.35	NA	NA	0.14	0.84	NA
1995-96	4.12	2.59	2.33	7.25	NA	NA	0.03	0.83	NA
1996-97	1.03	1.99	1.73	5.54	NA	NA	0.01	0.76	NA
1997-98	0.81	2.48	1.63	5.25	NA	NA	0.21	0.30	NA
1998-99	1.65	1.00	1.67	5.17	NA	NA	0.81	0.18	NA
1999-00	2.00	1.75	1.68	4.42	NA	NA	0.07	0.19	NA
2000-01	1.27	1.74	1.56	NA	0.64	2.10	0.07	0.24	NA
2001-02	1.18	1.78	2.46	NA	0.77	2.03	0.11	0.23	NA
2002-03	1.93	1.16	3.30	NA	0.91	1.75	0.24	0.13	NA
2003-04	2.38	0.40	2.37	NA	1.94	2.44	0.76	0.97	NA
2004-05	0.79	0.38	4.05	NA	1.66	4.03	0.19	0.61	NA
2005-06	0.52	0.36	3.16	NA	0.95	4.93	-	0.07	NA
2006-07	0.82	0.30	1.53	NA	0.45	1.74	0.12	0.001	NA

Table 3.9 (Continued)

Year	South 24-Parganas	Nadia	Murshi-dabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia
1980-81	NA	0.49	1.11	0.48	NA	NA	0.28	1.74	-	2.82	24.98
1981-82	NA	0.24	0.92	1.78	NA	NA	0.07	3.53	-	0.12	26.21
1982-83	NA	0.82	1.12	5.84	NA	NA	0.20	0.81	-	6.11	13.80
1983-84	NA	0.19	2.29	0.25	NA	NA	-	0.78	0.03	0.50	12.02
1984-85	NA	0.56	0.79	-	NA	NA	-	1.62	-	7.04	35.12
1985-86	NA	0.81	0.98	0.16	NA	NA	0.09	0.33	-	1.60	13.88
1986-87	NA	0.11	0.27	0.52	NA	NA	2.20	11.63	2.59	2.77	9.65
1994-95	NA	2.19	0.72	0.42	NA	NA	-	8.01	6.54	0.55	8.78
1995-96	0.84	0.07	1.50	0.34	NA	NA	0.01	8.01	4.69	0.34	7.96
1996-97	1.11	.32	1.60	-	NA	NA	.01	7.98	4.90	.36	5.91
1997-98	1.16	.08	2.26	-	NA	NA	.01	6.67	4.89	.39	2.09
1998-99	.77	.98	2.28	NA	.29	.18	0.0	5.22	5.26	.49	4.16
1999-00	1.01	.78	1.15	NA	.13	.18	0.0	3.96	4.83	.49	5.07
2000-01	1.17	0.10	1.83	NA	0.12	0.05	-	5.01	4.52	0.28	7.1
2001-02	0.66	0.22	1.75	NA	0.17	0.03	0.01	4.80	5.12	0.46	3.01
2002-03	0.65	0.57	2.24	NA	0.03	0.08	0.01	5.01	4.99	0.49	4.94
2003-04	0.59	0.20	2.03	NA	0.22	0.21	-	2.41	4.92	1.10	4.31
2004-05	0.01	0.05	1.86	NA	0.11	0.20	-	2.58	2.65	1.54	5.04
2005-06	0.02	0.23	2.16	NA	0.22	-	-	3.23	2.61	2.35	3.95
2006-07	0.4	0.17	1.90	NA	0.49	0.03	-	3.26	2.49	1.34	6.30

Source: As in Table 3.4

Table 3.10 Area under Non-agricultural Uses in Districts of West Bengal, 1980-81 to 2005-06 (In thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1980-81	122.12	49.20	69.39	191.41	NA	NA	38.95	63.43	317.35	NA
1981-82	108.08	52.32	75.54	196.77	NA	NA	39.85	62.92	319.17	NA
1982-83	124.03	45.74	71.12	176.73	NA	NA	41.06	65.84	318.17	NA
1983-84	121.05	71.12	72.64	194.56	NA	NA	39.84	64.90	328.32	NA
1984-85	118.14	76.73	74.40	167.44	NA	NA	39.05	67.55	316.54	NA
1985-86	116.00	41.06	73.74	201.72	NA	NA	42.30	67.80	509.88	NA
1986-87	163.59	65.84	90.72	210.17	NA	NA	41.47	73.74	352.09	NA
1994-95	165.42	95.11	117.18	266.39	NA	NA	43.85	75.48	NA	107.33
1995-96	178.74	95.22	128.22	265.37	NA	NA	38.01	76.97	NA	108.27
1996-97	174.05	100.58	130.37	NA	NA	NA	42.75	81.84	NA	99.46
1997-98	172.81	88.33	132.09	NA	NA	NA	43.61	78.97	NA	108.10
1998-99	177.33	85.42	132.13	NA	NA	NA	43.62	83.99	NA	106.20
1999-00	190.05	92.20	138.96	NA	NA	NA	42.12	81.09	NA	112.07
2000-01	167.49	81.84	121.71	NA	104.11	134.48	41.91	74.60	NA	101.74
2001-02	182.86	86.62	109.62	NA	107.20	141.74	45.41	78.12	NA	102.51
2002-03	181.27	86.64	130.47	NA	85.24	163.19	46.27	82.68	NA	112.04
2003-04	182.62	90.81	142.19	NA	91.70	146.07	43.77	80.54	NA	117.96
2004-05	195.95	91.77	143.99	NA	90.63	158.46	46.87	84.65	NA	114.47
2005-06	198.39	96.38	146.55	NA	92.49	154.32	49.89	88.39	NA	120.34

Table 3.10 (Continued)

Year	South 24-Parganas	Nadia	Murshi-dabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia
1980-81	NA	52.54	84.55	47.69	NA	NA	59.40	81.58	9.76*	46.23	69.23
1981-82	NA	57.17	89.07	45.17	NA	NA	68.56	77.69	10.15	42.07	69.28
1982-83	NA	61.43	88.13	45.09	NA	NA	66.55	77.85	9.98	48.29	68.57
1983-84	NA	56.70	88.56	48.36	NA	NA	67.20	78.13	10.86	42.46	73.64
1984-85	NA	56.47	92.28	40.65	NA	NA	64.85	78.47	10.35	44.14	61.82
1985-86	NA	55.45	92.49	50.55	NA	NA	70.75	179.80	18.68	69.86	67.51
1986-87	NA	63.59	114.29	55.97	NA	NA	47.93	148.25	46.38	53.87	56.79
1994-95	122.20	77.62	106.78	55.57	NA	NA	63.42	100.56	32.34	67.79	93.96
1995-96	130.58	71.28	106.45	60.96	NA	NA	63.65	100.59	31.53	60.05	85.27
1996-97	122.19	75.61	64.67	-	NA	NA	65.06	97.96	32.75	71.66	88.40
1997-98	130.35	73.02	66.95	-	NA	NA	65.10	99.95	32.85	65.05	88.69
1998-99	140.86	72.75	-	NA	42.06	27.21	65.08	101.50	35.42	64.85	89.27
1999-00	135.00	67.70	-	NA	40.70	24.21	65.12	93.57	27.95	65.07	92.20
2000-01	136.70	75.93	114.24	NA	30.89	28.33	84.82	93.66	41.17	50.33	83.41
2001-02	136.83	71.65	117.81	NA	29.57	26.92	84.76	62.17	28.72	46.73	89.14
2002-03	130.64	69.99	117.28	NA	29.72	24.13	84.64	82.60	27.45	59.09	91.64
2003-04	125.95	74.71	120.80	NA	30.56	25.61	84.06	76.44	33.79	56.66	84.75
2004-05	129.75	80.54	120.79	NA	32.07	28.20	83.58	78.08	32.78	60.79	100.87
2005-06	139.75	85.48	125.11	NA	33.07	29.59	86.72	82.54	35.11	64.94	103.47

Source: As in Table 3.4 Note: *=Siliguri sub-division only

Table 3.11 Pattern of Land Utilization in Districts of West Bengal, 2007-08

District	Land utilization					
	Reporting area ('000' hectares)	Area under forest (%)	Area not available for Cultivation (%)	Other uncultivated land excluding current fallows (%)	Current fallows (%)	Net area sown (%)
Burdwan	698.76	3.03	29.48	1.74	1.06	64.69
Birbhum	451.12	3.51	21.46	1.68	2.74	70.61
Bankura	688.00	21.65	21.51	1.20	5.45	50.20
Purba Medinipur	396.59	0.23	24.38	0.89	0.69	73.81
Paschim Medinipur	928.58	18.52	16.97	2.33	2.02	60.17
Howrah	138.68	0.00	36.95	1.91	2.93	58.21
Hooghly	313.38	0.17	28.44	1.11	0.11	70.17
North 24-Parganas	386.52	0.00	31.54	0.92	0.47	67.07
South 24-Parganas	948.71	44.93	14.58	0.38	0.86	39.24
Nadia	390.66	0.31	22.62	1.54	1.49	74.04
Murshidabad	532.50	0.14	24.01	0.90	0.06	74.89
Uttar Dinajpur	312.47	0.19	10.17	0.96	0.10	88.59
Dakshin Dinajpur	221.91	0.42	14.25	1.11	1.00	83.22
Maldah	370.86	0.45	23.71	1.43	17.70	56.71
Jalpaiguri	622.70	28.75	13.59	1.54	2.38	53.74
Darjeeling	325.47	38.28	11.43	3.33	3.73	43.23
Coochbehar	331.57	1.28	20.10	3.34	0.44	74.84
Purulia	625.65	12.00	16.02	3.59	18.38	50.02
West Bengal	8684.11	13.52	20.29	1.63	3.58	60.98

Source: Government of West Bengal, *Economic Review 2007-08, Statistical Appendix.*

3.2 Human Resources and Economic Livelihoods

Database on different aspects of human resources including population by caste, region, age and sex, sex ratio, vital rates, literacy and different economic livelihoods of people is presented in this section. *Census of India* gives time series data on human resources for regions of the country.

3.2.1 Human Resources

Population by region, sex, age, caste and community: Undivided Medinipur district with 9.6 million population was the most populous district of West Bengal followed by North 24-Parganas (8.9 million). Both these districts were very populous districts at the national level too. In addition, three districts of the State figure among the ten most populous districts of the country in 2001; namely South 24-Parganas (6.9 million), Burdwan (6.9 million) and Murshidabad (5.9 million), all these districts having more than one million population in 2001. Dakshin Dinajpur is the least populated district with 1.5 million population followed by Darjeeling with 1.6 million population. After division of Medinipur district into Paschim Medinipur and Purba Medinipur, North 24-Parganas district records the largest total population followed by Burdwan district.

South 24-Parganas district represented in 2001 the largest rural population (58.19 lakh) followed by Paschim Medinipur district (51.93 lakh), the smallest rural population being recorded in Dakshin Dinajpur district (13.06 lakh). The largest urban population (48.49 lakh) was witnessed in North 24-Parganas district followed by Kolkata district (45.81 lakh), the smallest urban population being registered in Dakshin Dinajpur district (1.97 lakh). Urban development is presented through increase in share of urban population in total population. In West Bengal share of urban population increased to 28.03 per cent in 2001 census from 27.48 per cent in 1991 census; the change was to the extent of 2 percentage point only. The district-wise calculation of the share of urban population shows that only in 6 districts out of 18 districts in 2001, share of urban population was more than the State average. These districts are Darjeeling in North Bengal, Burdwan, Hooghly, Howrah, North 24-Parganas and Kolkata. This mono-centric urban development in and around Kolkata (within maximum 100 km. distance from Kolkata) is a feature of urbanization in West Bengal. Because of the growth of Siliguri town in Darjeeling, the share of urban population in that district has increased significantly. Kolkata district recorded in 1951 the highest percentage of urban population to total population (100 per cent) followed by North 24-Parganas district (42.92 per cent), the lowest percentage being witnessed by Uttar Dinajpur district (2.93 per cent). During the later decades percentage of urban population increased in districts. During 2001 Kolkata district recorded the highest percentage of urban population (100 per cent) followed by North 24-Parganas district (54.30 per cent), the lowest percentage being witnessed by Maldah district (7.32 per cent).

In 1971, both SC rural population and SC rural workers were largest in 24-Parganas district followed by Burdwan district while ST rural population and ST rural workers were largest in Bankura district followed by Jalpaiguri. In 1981, both SC male and female population, and SC male and female main workers were largest in 24-Parganas district followed by Burdwan while ST male and female rural population and main workers were largest in undivided Medinipur district. Among the districts, highest proportion of scheduled castes population to total population in 2001 Census was recorded in Coochbehar district (50.1 per cent) followed by Jalpaiguri (36.7 per cent). In fact, Coochbehar district had the highest proportion of scheduled castes population among all the districts of the country in 2001. This was so in 1991 census too. The lowest percentage of the scheduled castes population was reported in Kolkata (6.0 per cent) followed by Murshidabad (12.0 per cent). Except for Kolkata percentage of scheduled castes population was more than 10 per cent in 2001 in all the districts. Among the districts, Jalpaiguri had the highest percentage (18.9 per cent) of scheduled tribes population, followed by Purulia (18.3 per cent) and Dakshin Dinajpur (16.1 per cent). Kolkata had the lowest percentage of the scheduled tribes population (0.2 per cent) led by Howrah district (0.4 per cent).

The largest population of Hindu male as well as female was recorded in 2001 in undivided Medinipur district followed by North 24-Parganas, the smallest population being recorded in the district of Dakshin Dinajpur. The largest population of Muslim male as well as female was registered in Murshidabad district followed by South 24-Parganas and the smallest was recorded in Darjeeling district. Similarly the largest

population of Christian male as well as female was recorded in Jalpaiguri district of West Bengal followed by Darjeeling district and the smallest was registered in Coochbehar district of West Bengal.

Murshidabad district recorded the largest population belonging to 0-6 age group (10.27 lakh) followed by North 24-Parganas district (10.21 lakh) in 2001, the smallest 0-6 population being recorded in Dakshin Dinajpur district (2.43 lakh). Murshidabad district registered the largest 0-6 rural population (9.16 lakh) followed by Burdwan district (5.94 lakh), the smallest 0-6 rural population being registered in Dakshin Dinajpur district (2.23 lakh). The largest 0-6 urban population (4.34 lakh) was witnessed in North 24-Parganas district followed by Kolkata district (3.64 lakh), the smallest 0-6 urban population being witnessed by Dakshin Dinajpur district (0.19 lakh). Dakshin Dinajpur district recorded the largest percentage of 0-6 population to total population (20.68 per cent) followed by Murshidabad district (17.51 per cent) in 2001, the smallest percentage being recorded in North 24-Parganas district (11.44 per cent). Uttar Dinajpur district registered the largest percentage of 0-6 rural population (21.84 per cent) followed by Maldah district (19.79 per cent). Among the districts Uttar Dinajpur had the highest percentage of child population (0-6) in all segments of population - 21.0 per cent for total, 19.3 per cent for scheduled castes and 21.4 per cent for the scheduled tribes in 2001. Maldah followed Uttar Dinajpur in this respect. On the other hand, Kolkata district had the distinction of having the lowest proportion of child population in their respective population segments - for total (8.5 per cent), the Scheduled Castes (10.1 per cent) and for the Scheduled Tribes (9.4 per cent). In fact, Kolkata had the lowest proportion of 0-6 population among all the urban areas of the country including Chennai, Hyderabad, Mumbai, and New Delhi.

Growth of population: During 1951 to 1961 Coochbehar district recorded the highest growth of total population (52.45 per cent) followed by Uttar Dinajpur district (43.81 per cent). During the later decades population growth rate declined in both rural and urban areas. During 1991 to 2001 Uttar Dinajpur district recorded the highest growth of total population (28.72 per cent) followed by Maldah district (24.77 per cent); the lowest population growth was witnessed by Kolkata district (4.11 per cent).

Population density: Among the districts, Kolkata with 24718 persons per sq .km. had highest population density in 2001 while Purulia with 405 persons per sq. km. registered the lowest density.

Sex ratio: Child sex-ratio (0-6 years) being defined as the number of females in the age-group 0-6 years per 1000 males in the same age-group in the population was, among the districts, the highest in undivided Medinipur (955) while Kolkata had the lowest sex ratio of 829 in 2001. The sex ratio among the scheduled castes population of the State increased from 931 in 1991 to 949 in 2001. Hooghly district had the highest sex ratio for the scheduled castes (977) followed by Paschim Medinipur whereas Kolkata had the lowest (822) as per 2001 Census. The highest sex ratio of scheduled tribes population was noted in Hooghly (1011) followed by Darjeeling and Kolkata with sex ratio 793 had the lowest. Among the districts, Murshidabad and Nadia recorded the highest total child sex ratio (972) followed by Dakshin Dinajpur and scheduled castes population (970) and scheduled tribes (1012). On the other extreme Kolkata registered the lowest child sex ratio for total and scheduled castes at 927 and 931 respectively in 2001. In case of Murshidabad with sex ratio (1010) and Darjeeling with sex ratio (1001) scheduled tribes girls out-numbered boys in the age group 0-6. Coochbehar district had the lowest scheduled tribe's child sex ratio of 898 in 2001.

South 24-Parganas district registered in 2001 the highest percentage share of Hindu population to total population of the district while Murshidbad district recorded the highest proportion of Muslim population to total population of the district followed by Maldah and Uttar Dinajpur. Percentage share of SC population to total population of the district was highest in Coochbehar followed by Jalpaiguri and South 24-Parganas, while that of ST population to total population of the district was highest in Jalpaiguri followed by Darjeeling and South Dinajpur (Table 3.12 to Table 3.20). Distribution of population by major scheduled language is shown in Table 3.21.

Literacy: North 24-Parganas district recorded the largest literate population (62.08 lakh) followed by Burdwan district (42.91 lakh) in 2001, the smallest literate population being recorded by Dakshin Dinajpur district (8.12 lakh). Burdwan district registered the largest rural literate population (25.03 lakh) followed by North 24-Parganas district (24.35 lakh), the smallest literate rural population being registered by Dakshin Dinajpur district (6.64 lakh). The largest urban literate population (37.73 lakh) was witnessed by North 24-Parganas district followed by Kolkata district (34.28 lakh), the smallest literate urban population being recorded

by Dakshin Dinajpur district (1.49 lakh). In 1951, highest literacy rate excluding 0-6 population was recorded by Kolkata district (52.98 per cent) followed by Hooghly district (27.84 per cent). During the later years literacy rate in both rural and urban areas increased by significant percentage point. Among the districts, Kolkata had the highest overall literacy rate. Uttar Dinajpur district had the lowest literacy rate of 47.9 per cent. The literacy rate among the scheduled castes population in 2001 census was 59.0 per cent. This was 42.2 per cent in 1991 thereby registering an increase of 16.8 percentage point. North 24-Parganas recorded the highest literacy rate (70.8 per cent) and Bankura district the lowest (42.9 per cent) among the scheduled castes population. The highest literacy rate was observed in undivided Medinipur district (84.9per cent) for males and Kolkata (77.3 per cent) for females. The literacy rates for males and females were among the lowest in Uttar Dinajpur (58.5) and Purulia (36.5 per cent). During 1991 & 2001 all the districts of West Bengal showed increase in the SC literacy rate. The highest SC male literacy rate has been observed in the district of Birbhum followed by Dakshin Dinajpur district of West Bengal. The highest SC female literacy rate has been observed in the district of Dakshin Dinajpur followed by Bankura. The highest overall SC literacy rate has been observed in the district of Birbhum followed by Dakshin Dinajpur. The highest rural SC literacy rate was recorded in the district of Birbhum followed by Bankura. The highest urban SC literacy rate has been observed in the district of Hooghly followed by Birbhum and the lowest has been registered in the district of Darjeeling. All the districts of West Bengal showed increase in ST literacy rate. The highest ST male literacy rate has been observed in the district of Dakshin Dinajpur followed by Birbhum district of West Bengal. The highest ST female literacy rate has been registered in the district of Dakshin Dinajpur followed by Maldah . The highest overall ST literacy rate has been observed in the district of Dakshin Dinajpur followed by Birbhum. The highest rural ST literacy rate was recorded in the district of Dakshin Dinajpur followed by Maldah . The highest urban ST literacy rate has been observed in the district of Birbhum followed by Hooghly and the lowest rate has been registered in the district of Darjeeling. Undivided Medinipur district registered the lowest rural ST literacy rate (Table 3.22 to 3.25).

Table 3.12 Population in Districts of West Bengal by Sex and Region, 1981, 1991 and 2001

District		Population 2001			Population 1991			Population 1981
		Person	Male	Female	Person	Male	Female	
Darjeeling	T	1609172	830644	778528	1299919	669323	620596	1024269
	R	1088740	556633	532107	903859	467324	436535	742116
	U	520432	274011	246421	396060	211999	184061	282153
Jalpaiguri	T	3401173	1751145	1650028	2800543	1453194	1347349	2214871
	R	2794291	1437156	1357135	2342296	2214149	1128147	1903650
	U	606882	313989	292893	458247	239045	219202	311221
Coochbehar	T	2479155	1272094	1207061	2171145	1122306	1048839	1771643
	R	2253537	1157241	1096296	2001648	1035418	966230	1649383
	U	225618	114853	110765	169497	86888	82609	122260
Uttar Dinajpur	T	2441794	1259737	1182057	1897045	987771	909274	2404947*
	R	2147351	1104224	1043127	1644070	852439	791631	2136221*
	U	294443	155513	138930	252975	135332	117643	268726*
Dakshin Dinajpur	T	1503178	770335	732843	1230608	632969	597639	-
	R	1306324	669796	636528	1066383	548591	517792	-
	U	196854	100539	96315	164225	84378	79847	-
Maldah	T	3290468	1689406	1601062	2637032	1360541	1276491	2031871
	R	3049528	1565654	1483874	2450495	1263583	1186912	1934675
	U	240940	123752	117188	186537	96958	89579	97196
Murshidabad	T	5866569	3005000	2861569	4740149	2439342	2300807	3697552
	R	5133835	2633196	2500639	4245802	2186950	2058852	3351534
	U	732734	371804	360930	494347	252392	241955	346018

Table 3.12 (continued)

District		Population 2001			Population 1991			Population 1981
		Person	Male	Female	Person	Male	Female	
Birbhum	Total	3015422	1546633	1468789	2555664	1313285	1242379	2095829
	Rural	2757002	1414097	1342905	2326101	1194106	1131995	1922296
	Urban	258420	132536	125884	229563	119179	110384	173533
Burdwan	Total	6895514	3588376	3307138	6050605	3186833	2863772	4835388
	Rural	4348466	2239187	2109279	3927613	2031842	1895771	3414219
	Urban	2547048	1349189	1197859	2122992	1154991	968001	1421169
Nadia	Total	4604827	2366853	2237974	3852097	1989841	1862256	2964253
	Rural	3625308	1867682	1757626	2980279	1544725	1435554	2324384
	Urban	979519	499171	480348	871818	445116	426702	639869
North 24-Parganas	Total	8934286	4638756	4295530	7281881	3818197	3463684	10739439#
	Rural	4083339	2102208	1981131	3551581	1833049	1718532	6569957#
	Urban	4850947	2536548	2314399	3730300	1985143	1745152	4169482#
Hooghly	Total	5041976	2589625	2452351	4355230	2271792	2083438	3557306
	Rural	3354227	1699831	1654396	2996979	1540616	1456363	2506777
	Urban	1687749	889794	797955	1388251	731176	627075	1050529
Bankura	Total	3192695	1636002	1556693	2805065	1437515	1367550	2374815
	Rural	2957447	1515450	1441997	2572587	1317516	1255071	2193568
	Urban	235248	120552	114696	232478	119999	112479	181247
Purulia	Total	2536516	1298078	1238438	2224577	1142771	1081806	1853801
	Rural	2281090	1165054	1116036	2014571	1032172	982399	1687039
	Urban	255426	133024	122402	210006	110599	99407	166762
Undivided Medinipur	Total	9610788	4916370	4694418	8331912	4284954	4046958	6742796
	Rural	8626883	4407920	4218963	7510917	3853802	3657115	6170039
	Urban	983905	508450	475455	820995	4311152	389843	572757
Paschim Medinipur	Total	5193411	2648048	2545363	4486279	2301869	2184410	-
	Rural	4575651	2330498	2245153	3918712	2005712	1913000	-
	Urban	617760	317550	300210	567567	296157	271410	-
Purba Medinipur	Total	4417377	2268322	2149055	3845633	1983085	1862548	-
	Rural	4051232	2077422	1973810	3592205	1848090	1744115	-
	Urban	366145	190900	175245	253428	134995	118433	-
Howrah	Total	4273099	2241898	2031201	3729644	1982457	1747187	2966861
	Rural	2121109	1083410	1037699	1880530	968905	911625	1628068
	Urban	2151990	1158488	993502	1849114	1013352	835562	1338793
Kolkata	Total	4572876	2500040	2072836	4399819	2445328	1954491	3305006
	Urban	4572876	2500040	1072836	4399819	2445328	1954491	3305006
South 24-Parganas	Total	6906689	3564993	3341696	5715030	2962214	2752816	
	Rural	5820469	2997270	2823199	4954653	2557023	2397630	-
	Urban	1086220	567723	518497	760377	405191	355186	
West Bengal	Total	80176197	41465985	38710212	68077965	35510633	32567332	54580647
	Rural	57748946	29616009	28132937	49370364	25442210	23928154	40133926
	Urban	22427251	11849976	10577275	18707601	10068423	8639178	14446721

Source: Census of India 1981, 1991 and 2001

= 24-Parganas

Table 3.13 0-6 Age Group Population in Districts of West Bengal by Sex and Region and Their Percentage, 1991 and 2001

District	T/R/U	0-6 Population 2001			0-6 Population 1991			0-6 Population (per cent) compared to total population	0-6 Population (per cent) compared to total population
		Person	Male	Female	Person	Male	Female	2001	1991
Darjeeling	T	204643	104324	100319	201409	101923	99486	12.72	15.49
	R	153133	77798	75335	153959	77925	76034	14.07	17.03
	U	51510	26526	24984	47450	23998	23452	9.90	11.98
Jalpaiguri	T	521287	264706	256581	512075	259517	252558	15.33	18.28
	R	450236	228639	221597	447424	226709	220715	16.11	19.10
	U	71051	36067	34984	64651	32808	31843	11.71	14.11
Coochbehar	T	387130	197118	190012	410485	208712	201773	15.62	18.91
	R	364103	185436	178667	389432	197952	191480	16.16	19.46
	U	23027	11682	11345	21053	10760	10293	10.21	12.42
Uttar Dinajpur	T	513266	261202	252064	388794	197782	191012	21.02	20.49
	R	476155	242036	234119	355399	180536	174863	22.17	21.62
	U	37111	19166	17945	33395	17246	16149	12.60	13.2
Dakshin Dinajpur	T	246034	125157	120877	230976	116166	114810	16.37	18.77
	R	225482	114676	110806	206433	103968	102465	17.26	19.36
	U	20552	10481	10071	24543	12198	12345	10.44	14.94
Maldah	T	639904	325888	314016	549057	280128	268929	19.45	20.82
	R	610798	310908	299890	520016	265162	254854	20.03	21.22
	U	29106	14980	14126	29041	14966	14075	12.08	15.57
Murshidabad	T	1044534	529796	514738	992872	502251	490621	17.80	20.95
	R	931370	472235	459135	907038	458485	448553	18.14	21.36
	U	113164	57561	55603	85834	43766	42068	15.44	17.36
Birbhum	T	488193	248599	239594	486390	246193	240197	16.19	19.03
	R	458336	233287	225049	451496	228805	222691	16.62	19.41
	U	29857	15312	14545	34894	17388	17506	11.55	15.2
Burdwan	T	903438	461843	441595	981221	500775	480446	13.10	16.22
	R	609001	311107	297894	682075	347447	334628	14.00	17.37
	U	294437	150736	143701	299146	153328	145818	11.56	14.09
Nadia	T	606395	307580	298815	640708	323115	317593	13.17	16.63
	R	508780	257950	250830	525349	263819	261530	14.03	17.63
	U	97615	49630	47985	115359	59296	56063	9.97	13.23
North 24-Parganas	T	1054338	538612	515726	1101931	559537	542294	11.80	15.13
	R	599070	305180	293890	680276	243521	336755	14.67	19.15
	U	455268	233432	221836	421655	216116	205539	9.39	11.30
Hooghly	T	603258	309141	294117	645767	229472	316295	11.96	14.83
	R	438352	223958	214394	488428	248779	239649	13.07	16.30
	U	164906	85183	79723	157339	80693	76645	9.77	11.58
Bankura	T	458882	235006	223876	467153	238090	229063	14.37	16.65

	R	433850	222291	211559	435399	221911	213488	14.67	16.92
	U	25032	12715	12317	31754	16179	15575	10.64	13.66

Table 3.13 (Continued)

District	T/R/U	0-6 Population 2001			0-6 Population 1991			0-6 Population (per cent) compared to total Population	0-6 Population (per cent) compared to total Population
		Person	Male	Female	Person	Male	Female	2001	1991
Purulia	T	2536516	1298078	1238438	413603	210067	203536	?	18.59
	R	376446	191353	185093	381118	193393	187725	16.50	18.92
	U	32357	16752	15605	32485	16674	15811	12.67	15.47
Undivided Medinipur	T	1380497	707559	672938	1473129	754416	718713	14.36	17.68
	R	1267951	650044	617907	1357954	695298	666656	14.70	18.08
	U	112546	57515	55031	115175	59118	56057	11.44	14.03
Howrah	T	513218	262391	250827	559942	285373	274569	12.01	15.01
	R	285145	145315	139830	325957	166260	159697	13.44	17.33
	U	228073	117076	110997	233985	119113	114872	10.60	12.65
Kolkata	T	390282	202527	187755	421194	215499	205695	8.53	9.57
South 24 Parganas	T	1050120	534626	515494	1085591	550168	535423	15.20	19.00
	R	930795	473599	457196	982539	497337	485202	15.99	19.83
	U	119325	61027	58298	103052	52831	50221	10.99	13.55
West Bengal	T	11414222	5824180	5590042	11562297	5879284	5683013	14.24	16.98
	R	9119003	4645812	4473191	9290292	4717308	4572985	15.79	18.82
	U	2295219	1178368	1116851	2272005	1161977	1110028	10.23	12.14

Source: As in Table 3.12

Table 3.14 Decadal Growth Rate of Population in Districts of West Bengal by Region, 1951 to 2001 (Per cent)

District	T/R/U	1991-2001	1981-1991	1971-1981	1961-1971	1951-1961
Darjeeling	Total	23.54	26.91	31.02	25.16	35.9
	Rural	20.04	21.79	23.36	25.33	31.46
	Urban	31.51	40.37	56.57	24.6	53.09
Jalpaiguri	Total	21.52	26.44	26.55	28.76	48.27
	Rural	19.51	23.04	20.33	28.05	45.25
	Urban	31.77	47.24	85.16	35.75	87.19
Coochbehar	Total	14.15	22.55	25.28	38.67	52.45
	Rural	12.55	21.36	25.19	38.93	53.27
	Urban	33.04	38.64	26.5	35.28	42.38
Uttar Dinajpur	Total	28.72	34	30.2	43.02	43.81
	Rural	30.61	27.61	28.64	42.28	37.18
	Urban	16.4	98.76	48.52	52.3	263.65
Dakshin Dinajpur	Total	22.11	24.39	28.04	37.09	25.73
	Rural	22.47	25.78	23.84	31.43	23.49
	Urban	19.74	16.1	60.75	106.06	61.34
Maldah	Total	24.77	29.78	26	31.98	30.33
	Rural	24.43	26.66	25.25	31.89	29.78

	Urban	29.15	91.92	42.88	33.95	44.44

Table 3.14 (Continued)

District	T/R/U	1991-2001	1981-1991	1971-1981	1961-1971	1951-1961
Murshidabad	Total	23.7	28.2	25.49	28.57	33.46
	Rural	20.86	26.68	24.51	28.4	32.49
	Urban	48.14	42.87	39.28	27.1	44.87
Birbhum	Total	17.88	21.94	18.01	22.8	35.55
	Rural	18.4	21.01	16.42	22.73	34.82
	Urban	12.6	32.29	39.08	23.82	46.06
Burdwan	Total	14.36	25.13	23.47	27.04	40.65
	Rural	10.68	15.04	12.9	19.93	35.01
	Urban	21.17	49.38	59.33	58.98	73.2
Nadia	Total	19.51	29.95	33.29	29.91	49.81
	Rural	21.62	28.22	28.26	29.77	49.42
	Urban	12.3	36.25	53.06	32.57	51.53
North 24-Parganas	Total	22.64	31.69	31.42	34.52	47.94
	Rural	14.91	31.15	27.44	24.88	41.02
	Urban	30	32.22	35.49	46.03	57.16
Hooghly	Total	15.72	22.43	23.86	28.72	39.02
	Rural	11.87	19.56	18.7	27.84	36.51
	Urban	24.23	29.29	38.18	31.24	46.71
Bankura	Total	13.79	18.12	16.93	22.02	26.17
	Rural	14.93	17.28	16.72	21.85	25.94
	Urban	1.2	28.27	19.45	24.21	29.11
Purulia	Total	13.96	20	15.65	17.86	16.33
	Rural	13.18	19.41	14.72	16.01	16.22
	Urban	21.54	25.93	25.98	43.13	17.85
Undivided Medinipur	Total	15.68	23.57	22.39	26.89	29.26
	Rural	14.87	21.73	21.24	26.99	29.02
	Urban	23.14	43.34	36.32	25.69	32.19
Howrah	Total	14.6	25.71	22.74	18.58	26.51
	Rural	12.76	15.51	15.97	15.69	11.42
	Urban	16.47	38.12	32.09	22.84	57.97
Kolkata	Total	4.11	6.61	10.73	11.21	13.35
South 24-Parganas	Total	20.89	30.24	19.77	34.24	30.75
	Rural	17.45	28.3	15.14	29.94	29.59
	Urban	43.31	44.48	69.92	109.17	54.85
West Bengal	Total	17.84	24.73	23.17	26.87	32.8
	Rural	16.94	23.01	20.36	26.38	31.81

	Urban	20.2	29.49	31.73	28.41	35.97

Source: As in Table 3.12

Table 3.15 Percentages of Rural and Urban Population to Total Population in Districts of West Bengal, 1951 to 2001

State/Districts	2001		1991		1981		1971		1961		1951	
	R	U	R	U	R	U	R	U	R	U	R	U
Darjeeling	67.6	32.4	69.5	30.5	72.5	27.6	77.0	23.1	76.8	23.2	79.4	20.6
Jalpaiguri	82.3	17.7	83.6	16.4	86.0	14.1	90.4	9.6	90.9	9.11	92.8	7.22
Coochbehar	90.9	9.1	92.2	7.81	93.1	6.9	93.2	6.83	93.0	7.01	92.5	7.5
Uttar Dinajpur	87.9	12.1	86.7	13.3	91.0	8.99	92.1	7.88	92.6	7.4	97.1	2.93
Dakshin Dinajpur	86.9	13.1	86.7	13.4	85.7	14.3	88.6	11.4	92.4	7.58	94.1	5.9
Maldah	93.0	7.32	92.9	7.07	95.2	4.78	95.8	4.22	95.8	4.16	96.3	3.75
Murshidabad	87.5	12.5	89.6	10.4	90.6	9.36	91.6	8.45	91.5	8.54	92.1	7.86
Birbhum	91.4	8.58	91.0	8.98	91.7	8.28	93.0	7.03	93.0	6.97	93.5	6.47
Burdwan	62.8	37.2	64.9	35.1	70.6	29.4	77.2	22.8	81.8	18.2	85.2	14.8
Nadia	78.7	21.3	77.4	22.6	78.4	21.6	81.3	18.7	81.6	18.4	81.8	18.2
North 24-Parganas	45.7	54.3	48.8	51.2	49.0	51.0	50.5	49.5	54.4	45.6	57.1	42.9
Hooghly	66.5	33.5	68.8	31.2	70.5	29.5	73.5	26.5	74.0	26.0	75.4	24.6
Bankura	92.9	7.37	91.7	8.29	92.4	7.63	92.5	7.47	92.7	7.34	92.8	7.17
Purulia	89.9	10.1	90.6	9.44	91.0	9.0	91.7	8.26	93.2	6.8	93.3	6.71
Undivided Medinipur	89.5	10.5	90.2	9.85	91.5	8.49	92.4	7.63	92.3	7.7	92.5	7.53
Paschim Medinipur	88.1	11.9	87.4	12.7	NA	NA	NA	NA	NA	NA	NA	NA
Purba Medinipur	91.7	8.3	93.4	6.6	NA	NA	NA	NA	NA	NA	NA	NA
Howrah	49.6	50.4	50.4	49.6	54.9	45.1	58.1	41.9	59.5	40.5	67.6	32.4
Kolkata	-	100	-	100	-	100	-	100	-	100	-	100
South 24-Parganas	84.2	15.8	86.7	13.3	88.0	12.0	91.6	8.45	93.1	6.94	95.4	4.58
West Bengal	72.0	28.0	72.5	27.5	73.5	26.5	75.3	24.8	75.6	24.5	76.1	23.9

Source: As in Table 3.12

Table 3.16 Density of Population and Sex Ratio in Rural and Urban Areas of Districts of West Bengal

Density	Density of population (per sq. km.)						Sex ratio (women per thousand male)					
	1991			2001			1991			2001		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Burdwan	618	3179	861	698	3239	985	933	838	899	942	886	921
Birbhum	519	3801	562	613	5172	663	948	926	946	949	950	949
Bankura	378	2991	408	433	3826	464	953	937	951	953	954	953
Undivided Medinipur	547	2279	592	630	2624	685	949	904	944	958	936	955
Paschim Medinipur	408	3122	895	476	3398	1028	954	916	949	963	945	961
Purba Medinipur	867	1694	458	977	2447	531	944	877	939	950	918	947
Howrah	1502	8600	2542	1699	9823	2913	941	824	881	958	858	906
Hooghly	1007	7919	1383	1134	8709	1601	945	858	917	974	896	947
North 24-Parganas	971	8558	1779	1132	9926	2181	938	879	907	944	913	927

South 24-Parganas	506	4646	574	595	6165	694	938	877	929	943	914	938
Kolkata	-	23783	23783	-	24760	24760	-	799	799	-	828	828

Table 3.16 (continued)

Density	Density of population (per sq. km.)						Sex ratio (women per thousand males)					
	1991			2001			1991			2001		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Nadia	805	3856	981	975	4637	1172	929	959	936	942	964	947
Murshidabad	814	4635	890	988	5682	1101	941	959	943	949	970	952
Uttar Dinajpur	530	6382	604	694	6638	778	929	869	921	943	892	937
Dakshin Dinajpur	485	7817	555	594	9315	677	944	946	944	949	957	950
Maldah	660	8985	706	822	9496	881	939	924	938	948	945	948
Jalpaiguri	386	2915	450	459	4766	547	929	917	927	943	932	941
Darjeeling	293	5717	413	353	6924	510	934	868	914	956	917	943
Coochbehar	596	5648	641	673	5455	732	933	951	935	947	965	949
Purulia	325	3009	355	369	3216	405	952	899	947	957	918	953
West Bengal	576	6079	767	676	6798	904	940	858	917	950	893	934

Source: As in Table 3.12

Table 3.17 Rural and Urban SC Population and Workers by Sex in Districts of West Bengal, 1971 & 1981(in thousand)

Rural SC 1971									
District	Person	Male	Female	Total workers		Cultivators		Agricultural labourers	
				Male	Female	Male	Female	Male	Female
Darjeeling	83	44	40	21	8	7	2	2	4
Jalpaiguri	51	299	271	155	15	106	3	20	1
Coochbehar	656	342	315	167	5	128	1	29	1
West Dinajpur	418	218	199	129	7	73	1	39	5
Maldah	262	133	129	62	6	27	1	18	4
Murshidabad	333	170	162	90	9	21	2	49	3
Nadia	433	224	212	103	4	41	4	39	2
24-Parganas	1734	896	838	429	9	157	2	202	3
Howrah	253	130	123	57	2	12	1	29	4
Hooghly	493	235	244	127	17	27	1	85	14
Burdwan	871	449	422	249	33	32	1	137	24
Birbhum	506	257	248	140	16	2	-	12	2
Bankura	544	278	266	148	28	52	4	72	22
Undivided Medinipur	711	364	347	185	24	71	2	95	17
Purulia	247	111	107	59	16	14	1	34	13
West Bengal	8093	4171	3921	2114	200	811	26	927	123

Table 3.17 (Continued)

Urban SC 1971									
District	Person	Male	Female	Total workers		Cultivators		Agricultural labourers	
				Male	Female	Male	Female	Male	Female
Darjeeling	15	8	7	4	0.6	-	-	0.1	-
Jalpaiguri	25	14	12	6	0.4	2	-	0.7	-
Coochbehar	7	11	-	2	0.2	0.2	-	-	-
West Dinajpur	9	5	4	3	0.4	-	-	-	-
Maldah	12	6	6	1	0.1	-	-	-	-
Murshidabad	4	2	2	5	0.8	0.2	-	-	2

Nadia	25	12	12	9	1	0.7	-	2	-
24-Parganas	177	93	79	47	4	2	-	6	-
Howrah	44	25	20	12	7	0.5	-	-	-

Table 3.17 (Continued)

Urban SC 1971									
Districts	Person	Male	Female	Total workers		Cultivators		Agricultural labourers	
				Male	Female	Male	Female	Male	Female
Calcutta	118	79	40	50	4	-	-	0.2	-
Hooghly	49	27	22	13	2	0.4	-	2	-
Burdwan	89	47	42	19	3	1	-	3	1
Birbhum	27	14	13	7	1	0.2	-	2	-
Bankura	29	15	14	6	1	0.1	-	1	-
Undivided Medinipur	36	19	17	9	1	1	-	3	-
Purulia	23	12	11	5	1	-	0.3	-	-
West Bengal	723	413	319	198	23	9	0.3	26	3

Table 3.17 (Continued)

Rural ST 1971									
Districts	Population			Total workers		Cultivators		Agricultural labourers	
	Person	Male	Female	Male	Female	Male	Female	Male	Female
Darjeeling	97	50	47	26	14	8	3	6	3
Jalpaiguri	427	223	204	105	40	35	2	12	2
Coochbehar	10	5	5	3	1	1	0.3	0.7	0.2
West Dinajpur	219	112	107	67	9	41	1	21	7
Maldah	131	66	65	34	5	23	0.4	8	4
Murshidabad	38	19	19	11	4	3	3	0.2	8
Nadia	30	15	14	7	3	3	0.1	4	2
24-Parganas	219	66	63	38	6	12	0.5	23	5
Howrah	2	1	1	0.7	0.3	0.1	-	0.4	0.1
Hooghly	96	49	47	28	20	5	0.4	23	19
Burdwan	218	113	106	61	25	10	1	39	21
Birbhum	124	63	61	35	10	6	1	21	8
Bankura	436	221	215	122	61	41	0.7	54	0.9
Undivided Medinipur	208	105	103	61	19	41	2	14	15
Purulia	311	157	154	90	24	47	3	38	19
West Bengal	2476	1264	1212	689	241	275	21	296	164

Table 3.17 (Continued)

Urban ST 1971									
District	Population			Total workers		Cultivators		Agricultural labourers	
	Person	Male	Female	Male	Female	Male	Female	Male	Female
Darjeeling	11	6	6	2	1	-	-	-	-
Jalpaiguri	1.4	0.9	0.6	0.4	-	-	-	-	-
Coochbehar	0.2	0.1	0.1	0.1	-	-	-	-	-
West Dinajpur	2	1	1	0.5	0.1	0.1	-	-	-

Maldah	-	-	-	-	-	-	-	-	-
Murshidabad	0.9	0.5	0.4	0.3	0.1	-	-	0.2	0.1

Table 3.17 (Continued)

Urban ST 1971									
District	Population			Total workers		Cultivators		Agricultural labourers	
	Person	Male	Female	Male	Female	Male	Female	Male	Female
Nadia	2	1	1	0.6	0.3	-	-	0.3	0.1
24-Parganas	9	5	4	3	1	0.1	-	0.8	0.2
Howrah	1.4	0.8	0.6	0.5	0.1	-	-	0.1	-
Calcutta	2.4	2	0.6	1	0.1	-	-	-	-
Hooghly	4.4	2.3	2.1	1	1	-	-	0.4	0.3
Burdwan	10	5	5	2	0.8	0.2	-	0.8	0.4
Birbhum	1.5	0.8	0.7	0.4	-	0.2	0.1	-	-
Bankura	7	4	3	2	1	0.1	-	1	0.7
Undivided Medinipur	0.9	0.5	0.4	-	0.3	0.1	0.1	0.1	-
Purulia	2	1	1	-	0.5	0.1	-	0.2	0.1
West Bengal	57	32	26	16	6	0.9	0.1	4	2

Source: Census Reports

Table 3.17 (continued)

SC 1981									
District	Rural/ Urban	Population		Main workers		Cultivators		Agricultural labourers	
		Male	Female	Male	Female	Male	Female	Male	Female
Coochbehar	Rural	448	420	247	14	152	2	71	7
	Urban	8	8	3	0.8	-	-	0.2	-
Jalpaiguri	Rural	367	339	199	19	117	3	53	7
	Urban	3	28	16	1	3	-	3	0.1
Darjeeling	Rural	63	57	32	8	13	2	9	2
	Urban	14	12	7	1	-	-	-	-
West Dinajpur	Rural	337	316	185	17	98	2	69	11
	Urban	18	16	8	1	0.8	-	0.9	0.1
Maldah	Rural	171	163	87	12	40	1	28	8
	Urban	5	4	2	0.3	0.1	-	-	-
Murshidabad	Rural	225	212	121	9	30	0.4	59	3
	Urban	23	23	11	2	0.3	-	2	0.1
Nadia	Rural	364	314	182	9	56	0.4	76	3
	Urban	50	50	23	3	1	-	4	0.2
24-Parganas	Rural	1158	1074	557	20	204	3	224	6
	Urban	251	204	119	9	3	0.1	10	6
Calcutta	Urban	92	58	52	4	0.4	-	0.4	-
Howrah	Rural	177	168	84	3	16	0.2	39	0.8
	Urban	58	49	27	1	0.8	-	3	-
Hooghly	Rural	336	325	186	37	43	1	107	31
	Urban	58	49	27	3	0.6	-	3	0.6
Undivided Medinipur	Rural	470	449	230	36	88	4	104	25
	Urban	34	32	15	2	1	-	5	0.5
Bankura	Rural	328	318	174	62	44	7	105	47
	Urban	21	20	10	2	0.3	-	1	0.4
Purulia	Rural	163	153	78	23	29	9	30	14
	Urban	17	16	8	1	0.2	-	1	0.3
Burdwan	Rural	520	492	273	51	47	2	173	40
	Urban	106	95	46	5	2	0.2	6	0.9

Birbhum	Rural	29	286	163	22	44	2	100	17
	Urban	20	19	9	1	0.5	-	2	0.2
West Bengal	Rural	5426	5085	2787	341	1019	15	1245	223
	Urban	806	683	379	40	35	1	41	4

Table 3.17 (continued)

ST 1981									
District	Rural/ Urban	Population		Main workers		Cultivators		Agricultural labourers	
		Male	Female	Male	Female	Male	Female	Male	Female
Coochbehar	Rural	5	5	3	0.6	2	-	0.9	0.3
	Urban	0.2	0.2	-	-	-	-	-	-
Jalpaiguri	Rural	250	237	119	62	36	4	12	4
	Urban	3	2	1	0.2	0.4	-	0.2	-
Darjeeling	Rural	70	66	35	20	15	6	4	2
	Urban	8	7	3	1	-	-	-	-
West Dinajpur	Rural	130	125	76	28	38	5	35	22
	Urban	3	3	1	0.4	0.3	-	0.4	0.2
Maldah	Rural	75	78	43	12	27	2	15	10
	Urban	0.1	0.1	0.1	-	-	-	-	-
Murshidabad	Rural	22	22	13	7	3	0.7	9	6
	Urban	0.5	0.4	0.3	0.1	-	-	0.1	0.1
Nadia	Rural	26	25	14	7	3	0.3	10	6
	Urban	3	3	1.6	0.1	-	-	0.3	0.2
24-Parganas	Rural	85	86	48	16	14	1	28	11
	Urban	16	8	6	2	0.1	-	0.8	0.5
Calcutta	Urban	0.3	1	2	0.2	-	-	-	-
Howrah	Rural	2	1	1	0.8	0.1	-	0.8	0.4
	Urban	2	2	1	0.4	-	-	0.1	0.5
Hooghly	Rural	68	66	39	33	5	2	31	30
	Urban	3	3	2	1	0.1	-	0.5	0.5
Undivided Medinipur	Rural	267	261	143	91	52	18	82	70
	Urban	6	5	3	1	2	-	1	0.7
Bankura	Rural	125	124	64	40	34	15	23	23
	Urban	0.8	0.6	0.4	0.2	-	-	0.1	0.1
Purulia	Rural	175	170	93	41	56	18	27	20
	Urban	1	1	0.7	0.1	0.1	-	0.1	-
Burdwan	Rural	125	121	69	50	11	4	48	42
	Urban	17	15	8	2	0.6	0.1	1	0.7
Birbhum	Rural	72	70	41	22	15	4	24	16
	Urban	2	2	0.9	0.6	0.1	-	0.1	0.4

West Bengal	Rural	1479	1458	803	429	312	81	349	262
	Urban	62	53	31	11	2	0.4	8	3

Source: Census of India 1981

Table 3.18 Scheduled Castes and Scheduled Tribes Population by Sex in Districts of West Bengal, 1991 and 2001

SC/ST	Year	Male/Female/ Total	Burdwan	Birbhum	Bankura	Undivided Medinipur	Paschim Medinipur	Purba Medinipur	Howrah	Hooghly	North 24-Parganas	South 24-Parganas
SC	1991	M	861887	403477	449078	697682	-	-	304375	539788	815260	1019471
		F	798606	380585	430853	664146	-	-	284532	510492	749429	949343
		T	1660493	784062	879931	1361828	-	-	588907	1050280	1564689	1968814
	2001	M	954951	456719	506868	801232	475044	326920	335761	601232	949294	1145310
		F	905803	433175	490540	774373	462296	312077	322946	587649	891103	1073066
		T	1860754	889894	997408	1575605	937340	638997	658707	1188881	1840397	2248376
ST	1991	M	190969	89840	147036	350306	-	-	5398	89176	87332	35706
		F	185064	87661	142870	339330	-	-	4692	87225	82499	34793
		T	376033	177501	289906	689636	-	-	10090	176401	169831	70499
	2001	M	221773	101831	166732	403962	390541	13421	9959	105453	101488	43101
		F	220059	101296	164051	394722	381636	13086	9209	106609	97448	41665
		T	441832	203127	330783	798684	772177	26507	19168	212062	198936	84766

Table 3.18 (continued)

SC/ST	Year	Male/Female/ Total	Kolkata	Nadia	Murshidabad	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
SC	1991	M	159731	579182	327832	290477	180281	247369	539207	109487	580384	221864	8326832
		F	123871	538324	307139	267614	169181	230527	496764	100389	543335	208649	7753779
		T	283602	1117506	634971	558091	349462	477896	1035971	209876	1123719	430513	16080611
	2001	M	150866	700622	360734	348693	222063	284726	642828	132858	636446	237724	9469659
		F	123969	665363	343052	327889	210597	269439	605749	126023	605928	226232	8982896
		T	274835	1365985	703786	676582	432660	554165	1248577	258881	1242374	463956	18452555
ST	1991	M	5083	46324	31205	53644	102654	85963	301566	91776	6957	218020	1938955
		F	3510	44201	30308	50668	100521	85363	287659	87377	6318	209746	1869805
		T	8593	90525	61513	104312	203175	171326	589225	179153	13275	427766	3808760
	2001	M	5471	57475	38518	63123	122442	113537	324250	102287	7425	235097	2223924

		F	4339	56416	37435	61742	119875	113510	317438	101880	6821	228355	2182870
		T	9810	113891	75953	124865	242317	227047	641688	204167	14246	463452	4406794

Source: *Census of India*, 1991 & 2001

Table 3.19 Population in Districts of West Bengal by Religion and Sex, 2001 (in thousand)

District / State	Hindus		Muslims		Christians		Sikhs		Jains		Others	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Darjeeling	641234	596480	45696	39682	49420	49812	1445	784	563	515	2768	2739
Jalpaiguri	1461355	1371874	190222	178973	73746	73908	969	687	512	464	1725	1785
Coochbehar	961161	910696	307569	293342	1124	1038	229	101	1164	1029	254	239
Uttar Dinajpur	655288	607713	592946	563557	6840	6332	178	74	736	671	3021	3061
Dakshin Dinajpur	570802	541773	184614	176433	11047	10992	133	82	122	113	3077	2951
Maldah	834023	787445	839102	797069	4087	4301	207	76	163	130	11021	11329
Murshidabad	1084719	1022750	1908020	1827360	7065	6658	231	171	1537	1397	928	851
Birbhum	998103	946503	542022	515839	3662	3720	193	154	727	681	932	942
Burdwan	2831286	2608766	710371	653762	8112	7885	11834	10186	698	618	22308	22367
Nadia	1744037	1652058	603844	566438	14338	15225	424	275	97	83	2947	2826
North 24-Parganas	3490932	3230488	1122133	1041925	10179	9959	5873	4806	1658	1518	1728	1436
Hooghly	2168708	2047993	389970	373501	2124	2350	1219	1047	1057	970	24542	24533
Bankura	1380500	1312522	124566	115156	1475	1543	67	47	1779	1708	126637	124764
Purulia	1083386	1032651	93387	87307	3516	3492	322	282	1148	1073	114739	112173
Undivided Medinipur	4209222	4015557	557414	531204	10838	11025	1729	1508	849	786	132175	130403
Howrah	1682005	1522072	546705	497678	3313	2971	2111	1668	5001	4584	720	579
Kolkata	1918388	1633886	533005	393764	10986	20532	8595	7004	10690	10169	1211	968
South 24-Parganas	2354354	2194105	1178820	1117147	26765	26070	979	701	130	83	605	537
West Bengal	30069503	28035332	10470406	9770137	257337	257813	36738	29653	28631	26592	451334	444462

Source: *Statistical Abstract* 2005, Bureau of Applied Economics & Statistics, Government of West Bengal.

Table 3.20 Share of Population, Religious Communities, SC, ST, Children and Sex Ratio by Caste in Districts of West Bengal, 1991 and 2001

Indicators		Darjeeling		Jalpaiguri		Coochbehar		Uttar Dinajpur		Dakshin Dinajpur	
		1991	2001	1991	2001	1991	2001	1991	2001	1991	2001
Percentage share in State's population		1.91	2.01	4.11	4.24	3.19	3.09	2.79	3.05	1.81	1.87
Percentage share of major religious communities	Hindus	77.95	76.92	84.81	83.3	76.44	75.5	54.21	51.72	75.32	74.01
	Muslims	4.55	5.31	10.04	10.85	23.34	24.24	45.35	47.36	23.51	24.02
Percentage share of SC		16.15	16.09	36.99	36.71	51.76	50.11	29.04	27.71	28.98	28.78
Percent share of ST		13.78	12.69	21.04	18.87	0.61	0.57	5.35	5.11	16.74	16.12
Percent share of children (0-6)		15.49	12.72	18.28	15.33	18.91	15.62	20.49	21.02	18.77	16.37
Sex ratio(per [illegible])	All	914	937	927	942	935	949	921	938	944	951

	SC	917	949	921	942	936	952	921	940	939	948
	ST	952	996	954	979	908	919	943	978	980	979
	Children of (0-6)	976	962	973	969	967	964	966	965	988	966

Table 3.20 (continued)

Indicators		Maldah		Murshidabad		Birbhum		Burdwan		Nadia	
		1991	2001	1991	2001	1991	2001	1991	2001	1991	2001
Percentage share in State's population		3.87	4.1	6.96	7.32	3.75	3.76	8.89	8.6	5.66	5.74
Percentage share of major religious communities	Hindus	52.25	49.28	38.39	35.92	66.61	64.49	79.69	78.89	74.35	73.75
	Muslims	47.49	49.72	61.4	63.67	33.06	35.08	19.55	19.78	24.92	25.41
Percentage share of SC		18.12	16.84	13.4	12	30.68	29.51	27.44	26.98	29.01	29.66
Percentage share of ST		6.5	6.9	1.3	1.29	6.95	6.74	6.21	6.41	2.35	2.47
Percentage share of children (0-6)		20.82	19.45	20.95	17.8	19.03	16.19	16.22	13.1	16.63	13.17
Sex ratio (per 1000)	All	938	948	943	952	946	950	899	922	936	946
	SC	932	946	937	951	943	948	927	949	929	950
	ST	993	1000	971	972	976	995	969	992	954	982
	Children of (0-6)	960	964	977	972	976	964	959	956	983	972

Table 3.20 (continued)

Indicators		North 24-Parganas		Hooghly		Bankura		Purulia		Paschim Medinipur	
		1991	2001	1991	2001	1991	2001	1991	2001	1991	2001
Percentage share in State's population		10.7	11.14	6.4	6.29	4.12	3.98	3.27	3.16	6.59	6.48
Percentage share of major religious communities	Hindus	75.46	75.23	84.88	83.63	87.15	84.35	90.95	83.42	86.61*	85.58*
	Muslims	24.17	24.22	14.52	15.14	6.63	7.51	5.98	7.12	10.78*	11.33*
Percentage share of SC		21.49	20.6	24.12	23.58	31.37	31.24	19.35	18.29	16.34*	18.05
Percentage share of ST		2.33	2.23	4.05	4.21	10.34	10.36	19.23	18.27	8.28*	13.87
Percentage share of children (0-6)		15.13	11.8	14.83	11.96	16.65	14.37	18.59	16.13	17.68*	14.36*
Sex ratio (per 1000)	All	907	926	917	947	951	952	947	954	949	961

	SC	919	939	946	977	959	968	940	952	952*	973
	ST	945	960	978	1011	972	984	962	971	969*	977
	Children of (0-6)	969	958	960	951	962	953	969	964	953*	951*

Note: * = Figures of Purba & Paschim Medinipur Combined

Table 3.20 (continued)

Indicators		Purba Medinipur		Howrah		Kolkata		South 24-Parganas	
		1991	2001	1991	2001	1991	2001	1991	2001
Percentage share in State's population		5.65	5.51	5.48	5.33	6.46	5.70	8.39	8.61
Percentage share of major religious communities	Hindus	86.81	85.58	77.46	74.98	80.6	77.68	69.12	85.86
	Muslims	10.78	11.33	22.22	24.44	17.72	20.27	29.94	33.24
Percentage share of SC		16.34	14.47	15.79	15.42	6.45	6.01	34.45	32.12
Percentage share of ST		8.28	0.6	0.27	0.45	0.2	0.21	1.23	1.23
Percentage share of children (0-6)		17.68	14.36	15.01	12.01	9.57	8.53	19	15.2
Sex ratio (per 1000)	All	939	947	881	906	799	829	929	937
	SC	952	955	935	962	775	822	931	937
	ST	969	975	869	952	691	793	974	967
	Children of (0-6)	953	951	962	956	955	927	973	964

Source: Publications of 2001 Population Census, Power Dept., B.A.E.& S. *Economic Review*(West Bengal), *Health on March, Human Development Profile 2007,* Govt. of West Bengal

Table 3.21 Distribution of Population by Major Scheduled Languages in Districts of West Bengal, 1991 (in thousand)

District/State	Total population	Scheduled languages								Non-scheduled languages
		Bengali	Hindi	Urdu	Nepali	Oriya	Punjabi	Others	Total	
Bankura	2805	2557	11	2	0	0	0	1	2571	234
Birbhum	2556	2349	41	3	0	1	0	1	2395	161
Burdwan	6051	4839	683	171	7	22	21	13	5756	295
Kolkata	4400	2798	930	520	15	34	25	60	4381	19
Coochbehar	2171	2121	40	0	1	0	0	2	2165	6
Darjeeling	1300	374	186	13	638	3	2	4	1219	81
West Dinajpur	3128	2398	233	241	2	0	0	1	2876	252
Howrah	3730	3195	372	119	3	17	4	15	3725	5
Hooghly	4355	3820	311	83	2	17	2	12	4247	109
Jalpaiguri	2801	1957	440	6	175	5	2	5	2590	210
Maldah	2637	2371	109	10	1	0	0	2	2493	144
Undivided Medinipur	8332	7557	149	70	7	35	4	68	7889	443
Murshidabad	4740	4647	47	3	0	0	0	1	4699	41
Nadia	3852	3786	40	0	1	1	0	2	3830	22
North 24-Parganas	7282	6417	605	176	7	28	9	23	7265	17

South 24-Parganas	5715	5623	66	12	1	4	1	2	5710	5
Purulia	2225	1731	216	26	0	2	1	6	1981	243
West Bengal	68078	58542	4479	1456	860	170	71	215	65793	2285

Source: Census of India,1991

Table 3.22 Literates (in lakh) & Literacy Rate (in percentage) for Rural and Urban Areas in Districts of West Bengal, 1991 and 2001

District		Number of literates 2001			Number of literates 1991			Literacy rate excluding 0-6 population 2001			Literacy rate excluding 0-6 population 1991		
		Person	Male	Female	Person	Male	Female	Person	Male	Female	Person	Male	Female
Darjeeling	T	10.30	5.92	4.38	6.37	3.87	2.49	72.90	81.30	63.90	58.00	67.10	47.80
	R	6.28	3.71	2.57	3.69	2.33	1.35	66.90	77.20	56.10	49.20	60.00	37.50
	U	4.02	2.21	1.80	2.68	1.54	1.14	84.60	89.10	79.70	76.80	81.80	71.00
Jalpaiguri	T	18.39	11.00	7.39	10.32	6.68	3.64	63.60	73.60	52.90	45.10	56.00	33.20
	R	14.07	8.60	5.47	7.52	5.07	2.45	59.70	70.80	48.00	39.70	51.40	27.00
	U	4.32	2.40	1.92	2.80	1.61	1.19	80.70	86.30	74.70	71.10	78.10	63.30
Coochbehar	T	14.09	8.28	5.81	8.06	5.24	2.82	67.20	76.80	57.00	45.80	57.40	33.30
	R	12.35	7.34	5.01	6.91	4.61	2.30	65.20	75.30	54.50	42.90	55.10	29.70
	U	1.74	0.94	0.80	1.15	0.63	0.52	85.90	91.10	80.60	77.20	82.60	71.60
Uttar Dinajpur	T	9.42	5.96	3.46	5.22	3.57	1.64	48.60	59.30	37.20	34.60	45.20	22.90
	R	7.33	4.78	2.55	3.58	2.63	0.95	43.70	55.10	31.40	27.80	39.10	15.40
	U	2.09	1.17	0.92	1.64	0.94	0.69	80.70	85.50	75.40	74.50	80.00	68.10
Dakshin Dinajpur	T	8.12	4.74	3.38	4.64	2.93	1.71	64.50	73.30	55.10	46.40	56.80	35.30
	R	6.64	3.94	2.69	3.52	2.32	1.21	61.30	70.80	51.20	41.00	52.10	29.10
	U	1.49	0.80	0.69	1.12	0.62	0.50	83.90	88.50	79.20	79.90	85.50	74.00
Maldah	T	13.48	8.11	5.38	7.44	4.93	2.51	50.70	59.20	41.70	35.60	45.60	24.90
	R	11.79	7.18	4.61	6.29	4.27	2.01	48.20	57.00	38.90	32.60	42.80	21.60
	U	1.69	0.93	0.77	1.15	0.65	0.50	79.50	85.00	74.00	73.10	79.80	65.80
Murshidabad	T	26.63	15.26	11.37	14.34	8.99	5.35	55.10	61.40	48.30	38.30	46.40	29.60
	R	22.33	12.85	9.49	11.86	7.55	4.31	53.00	59.20	46.40	35.50	43.70	26.80
	U	4.29	2.41	1.88	2.48	1.44	1.04	69.00	76.40	61.50	60.80	69.10	52.10
Birbhum	T	15.75	9.32	6.43	10.05	6.32	3.72	62.20	71.60	52.20	48.60	59.30	37.20
	R	13.95	8.32	5.64	8.74	5.55	3.18	60.60	70.20	50.40	46.60	57.50	35.00
	U	1.80	1.01	0.79	1.31	0.77	0.54	78.40	85.50	70.90	67.40	75.70	58.40
Burdwan	T	42.91	25.02	17.88	31.37	19.10	12.26	71.00	79.30	61.90	61.90	71.10	51.50
	R	25.03	14.66	10.37	18.44	11.27	7.17	66.70	75.70	57.10	56.80	66.70	46.00
	U	17.88	10.37	7.51	12.92	7.83	5.09	78.10	85.00	70.20	70.90	78.20	61.90
Nadia	T	26.69	15.01	11.69	16.87	10.01	6.86	66.60	72.70	60.10	52.50	60.10	44.40
	R	19.48	11.09	8.39	11.31	6.90	4.41	62.30	68.70	55.50	46.10	53.80	37.60
	U	7.21	3.92	3.29	5.56	3.11	2.45	81.50	86.90	75.90	73.50	80.60	66.10
North 24-Parganas	T	62.08	34.71	27.37	41.29	24.35	16.94	78.50	84.40	72.10	66.80	74.70	58.00
	R	24.35	13.91	10.44	15.32	9.50	5.82	69.70	77.20	61.70	53.40	63.80	42.10
	U	37.73	20.80	16.93	25.97	14.85	11.12	85.50	89.90	80.50	78.50	83.90	72.20
Hooghly	T	33.67	19.00	14.67	24.77	14.72	10.06	75.60	83.10	67.70	66.80	75.80	56.90
	R	20.92	11.88	9.04	15.63	9.41	6.22	71.50	80.30	62.60	62.30	72.90	51.10
	U	12.75	7.13	5.63	9.15	5.31	3.84	83.40	88.20	78.00	76.20	81.60	69.80
Bankura	T	19.51	10.85	6.66	12.17	8.01	4.16	63.80	77.20	49.80	52.00	66.80	36.60

	R	15.81	9.89	5.92	10.69	7.14	3.55	62.40	76.30	47.90	50.00	65.20	34.10
	U	1.70	0.96	0.74	1.48	0.87	0.61	80.70	88.50	72.40	73.70	83.40	63.40
Purulia	T	11.99	8.13	3.87	7.84	5.80	2.04	56.10	74.20	37.20	43.30	62.20	23.20
	R	10.29	7.13	3.17	6.59	5.03	1.56	53.80	72.80	33.90	40.30	60.00	19.60
	U	1.70	1.00	0.70	1.25	0.77	0.49	76.00	85.60	65.50	70.60	81.70	58.10

Table 3.22 (continued)

District		Literates 2001			Literates 1991			Literacy rate excluding 0-6 population 2001			Literacy rate excluding 0-6 population 1991		
		Person	Male	Female	Person	Male	Female	Person	Male	Female	Person	Male	Female
Undivided Medinipur	T	62.27	36.10	26.17	47.54	28.69	18.85	75.20	85.30	64.60	69.30	81.30	56.60
	R	54.96	31.96	23.00	4.21	25.50	16.51	74.40	84.80	63.60	68.30	80.70	55.10
	U	7.31	4.14	3.17	5.53	3.19	2.34	81.30	89.20	72.90	78.40	85.90	70.10
Paschim Medinipur	T							70.40	81.30	59.10	65.40	77.50	52.50
	R	-	-	-	-	-	-	68.70	80.20	56.80	63.50	76.40	49.90
	U							82.40	88.70	75.70	77.60	84.70	69.80
Purba Medinipur	T							80.20	89.10	70.70	74.00	85.70	61.50
	R	-	-	-	-	-	-	79.80	89.00	70.20	73.50	85.40	60.90
	U							83.80	90.50	76.30	80.30	88.60	70.80
Howrah	T	29.35	16.66	12.70	2.14	12.92	8.52	77.60	83.70	70.90	67.60	76.10	57.80
	R	13.53	7.66	5.87	9.53	5.80	3.73	73.40	81.30	65.10	61.30	72.20	49.60
	U	15.82	9.00	6.83	11.91	7.12	4.79	81.70	85.80	76.80	73.70	79.60	66.40
Kolkata	T	34.28	19.48	14.81	30.88	18.27	12.61	81.30	84.10	78.00	77.60	81.90	72.10
	U	34.28	19.48	14.81	30.88	18.27	12.61	81.30	84.10	78.00	77.60	81.90	72.10
South 24-Parganas	T	41.29	24.32	16.97	25.51	16.51	9.00	70.20	79.90	59.70	55.10	68.50	40.60
	R	33.45	19.93	13.52	20.77	13.72	7.06	68.10	78.70	56.90	52.30	66.60	36.90
	U	7.84	4.39	3.45	4.73	2.79	1.94	80.30	85.90	74.30	72.00	79.30	63.60
West Bengal	T	478.22	277.85	200.37	326.09	200.92	125.18	69.20	77.60	60.20	57.70	67.80	46.60
	R	312.55	184.81	127.74	202.39	128.60	73.79	64.10	73.80	53.80	50.50	62.10	38.10
	U	165.67	93.04	72.63	123.71	72.32	51.39	81.60	86.50	76.10	75.30	81.20	68.30

Source: Census of India, 1991 and 2001

Table 3.23 Literacy Rate by Region and Sex in Districts of West Bengal, 1951 to 2001 (Per cent)

Districts		1951			1961			1971		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
Darjeeling	T	22.71	33.74	9.73	33.76 (11.05)	46.68 (12.94)	18.44 (8.71)	38.5 (4.72)	48.2 (1.56)	27.2 (8.8)
	R	16.85	27.42	5.09	25.76 (8.91)	39.64 (12.22)	10.17 (5.08)	30.6 (4.81)	41.2 (1.54)	18.8 (8.6)
	U	46.47	56.44	31.79	59.64 (13.17)	67.17 (10.73)	48.94 (17.15)	63.8 (4.15)	69.4 (2.21)	56.6 (7.65)
Jalpaiguri	T	14.26	20.37	6.6	23.21 (8.95)	32.15 (11.78)	12.34 (5.74)	28.6 (5.36)	37.2 (5.03)	18.4 (6.03)
	R	12.17	18.21	4.69	19.63 (7.46)	28.63 (10.42)	8.8 (4.11)	24.7 (5.05)	33.6 (4.96)	14.2 (5.37)
	U	55.85	59.66	49.96	57.61 (1.76)	64.34 (4.68)	48.55 (1.41)	63.2 (5.56)	68.6 (4.21)	56.6 (8)
Cooch Behar	T	17.14	26.1	6.14	25.39	37.43	11.4	26.5	37	14.6

					(8.25)	(11.33)	(5.26)	(1.1)	(0.4)	(3.24)
	R	14.34	23.74	2.77	22.2	34.48	8.09	23.4	34.1	11.4
					(7.86)	(10.74)	(5.32)	(1.17)	(0.39)	(3.3)
	U	61.15	64.24	57.56	65.54	72.08	56.79	65.9	72.6	57.8
					(4.39)	(7.84)	(0.77)	(0.39)	(0.54)	(0.99)

Table 3.23 (Continued)

Districts		1951			1961			1971		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
Uttar Dinajpur	T	14	22.73	3.97	(10.33)	(10.38)	(10.81)	(6.47)	(4.95)	(8.71)
					20.66	31.04	8.9	27	37.6	15.3
	R	12.8	21.48	2.96	(6.66)	(8.31)	(4.93)	(6.38)	(6.55)	(6.41)
					17.7	28.15	5.96	23	33.9	11
	U	46.53	51.34	38.39	(4.9)	(6.67)	(3)	(5.3)	(5.71)	(5.07)
					55.91	63.71	46.08	63.2	69.8	55.3
					(9.38)	(12.37)	(7.69)	(7.32)	(6.13)	(9.26)
Dakshin Dinajpur	T	14	22.73	3.97	20.66	31.04	8.9	27.04	37.6	15.31
					(6.66)	(8.31)	(4.93)	(6.38)	(6.55)	(6.41)
	R	12.8	21.48	2.96	17.7	28.15	5.96	23	33.9	11.03
					(4.9)	(6.67)	(3)	(5.3)	(5.71)	(5.07)
	U	46.53	51.34	38.39	55.91	63.71	46.08	63.23	69.8	55.34
					(9.38)	(12.4)	(7.69)	(7.32)	(6.13)	(9.26)

Table 3.23 (Continued)

Districts		1981			1991			2001		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
Darjeeling	T	47.9	58.14	36.2	57.95	67.07	47.84	72.87	81.28	63.92
		(9.42)	(9.9)	(8.97)	(10.1)	(8.93)	(11.6)	(14.9)	(14.2)	(16.1)
	R	39.6	51.43	26.4	49.17	59.96	37.53	66.92	77.21	56.14
		(8.98)	(10.3)	(7.58)	(9.62)	(8.53)	(1.18)	(17.8)	(17.3)	(18.6)
	U	69.1	74.42	62.6	76.82	81.8	70.98	84.63	89.14	79.68
		(5.33)	(5.04)	(6.03)	(7.7)	(7.38)	(8.36)	(7.81)	(7.34)	(8.7)
Jalpaiguri	T	33.4	42.58	23.3	45.09	56	33.2	63.62	73.64	52.9
		(4.86)	(5.4)	(4.93)	(11.7)	(13.4)	(9.9)	(18.5)	(17.6)	(19.7)
	R	28	37.47	17.5	39.7	51.37	26.99	59.73	70.75	47.97
		(3.28)	(3.88)	(3.31)	(11.7)	(13.9)	(9.51)	(20)	(19.4)	(21)
	U	65.7	72.15	58.2	71.07	78.14	63.29	80.73	86.27	74.74
		(2.48)	(3.6)	(1.69)	(5.42)	(5.99)	(5.05)	(9.66)	(8.13)	(11.5)
Coochbehar	T	34.8	46.13	22.6	45.78	57.35	33.31	67.21	76.83	57.04
		(8.33)	(9.1)	(7.96)	(11)	(11.2)	(10.7)	(21.4)	(19.5)	(23.7)
	R	31.8	43.46	19.3	42.89	55.06	29.74	65.21	75.32	54.49
		(8.46)	(9.37)	(7.87)	(11.1)	(11.6)	(10.5)	(22.3)	(20.3)	(24.8)
	U	73.5	80.56	65.8	77.23	82.63	71.55	85.93	91.11	80.55
		(7.56)	(7.94)	(8.05)	(3.74)	(2.07)	(5.72)	(8.7)	(8.48)	(9)
Uttar Dinajpur	T	(7.52)	(6.91)	(8.59)	-	-	-	(15.1)	(11.4	(19.2)
		31.1	41.47	19.8	34.58	45.24	22.85	48.63	59.27	37.16
	R	(4.01)	(3.88)	(4.52)	(3.53)	(3.77)	(3.02)	(14.1)	(14)	(14.3)
		26.1	36.86	14.5	27.78	39.13	15.41	43.68	55.12	31.43
	U	(3.07)	(3)	(3.48)	(1.71)	(2.27)	(0.9)	(15.9)	(16)	(16)
		68.7	75.51	61	74.49	80	68.07	80.74	85.49	75.38
		(5.46)	(5.67)	(5.69)	(5.8)	(4.49)	(7.04)	(6.25)	(5.49)	(7.31)
sh in Di na	T	31.1	41.5	19.8	46.4	56.75	35.33	64.46	73.3	55.12

		(4.01)	(3.88	(4.52	-	-	-	(18.1)	(16.6)	(19.8)
	R	26.1	36.9	14.5	40.96	52.08	29.05	61.27	70.83	51.16
		(3.07)	(3)	(3.48)	-	-	-	(20.3)	(18.8)	(22.1)
	U	68.7	75.5	61	79.93	85.46	74.02	83.92	88.47	79.17
		(5.46)	(5.67)	(5.69)	-	-	-	(3.99)	(3.01)	(5.15)

Table 3.23 (Continued)

Districts		1951			1961			1971		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
Maldah	T	11.68	18.16	5.04	16.63	25.73	7.08	20.86	30	11.25
					(4.95)	(7.57)	(2.04)	(4.23)	(4.22)	(4.17)
	R	10.56	16.85	4.12	14.9	23.9	5.5	18.84	27.9	9.13
					(4.34)	(7.05)	(1.38)	(3.94)	(3.97)	(3.63)
	U	45.66	55.56	34.31	55.3	64.43	44.59	67.03	74.3	58.8
					(9.64)	(8.87)	(10.3)	(11.7)	(9.86)	(14.2)
Murshidabad	T	14.71	22.02	7.09	19.4	28.3	10.17	23.65	31.9	14.86
					(4.69)	(6.28)	(3.08)	(4.25)	(3.64)	(4.69)
	R	12.66	19.71	5.34	16.67	25.35	7.71	20.9	29.2	12.16
					(4.01)	(5.64)	(2.37)	(4.23)	(3.81)	(4.45)
	U	41.1	50.32	30.6	47.48	57.86	36.15	51.87	60.1	42.91
					(6.38)	(7.54)	(5.55)	(4.39)	(2.26)	(6.67)
Birbhum	T	19.92	31.66	7.64	26.6	38.87	13.87	31.44	41.8	20.64
					(6.68)	(7.21)	(6.23)	(4.84)	(2.97)	(6.77)
	R	18.77	30.27	6.86	24.81	36.99	12.34	29.67	40.2	18.84
					(6.04)	(6.72)	(5.48)	(4.86)	(3.17)	(6.5)
	U	37.63	51.77	20.71	49.59	61.18	35.52	54.04	62.4	44.61
					(12)	(9.41)	(14.8)	(4.45)	(1.26)	(9.09)
Burdwan	T	21.7	32.04	9.47	34.8	45.63	21.75	40.49	49.9	29.59
					(13.1)	(13.6)	(12.3)	(5.69)	(4.25)	(7.84)
	R	17.89	27.7	6.31	29.8	40.62	17.39	34.61	44.2	23.93
					(11.9)	(12.9)	(11.1)	(4.81)	(3.57)	(6.54)
	U	44.04	57.27	28.18	56.37	64.82	43.66	59.56	67	49.74
					(12.3)	(7.55)	(15.5)	(3.19)	(2.16)	(6.08)
Nadia	T	17.42	20.75	13.84	32.54	42.43	21.95	36.95	45.29	28.04
					(15.12)	(21.68)	(8.11)	(4.41)	(2.86)	(6.09)
	R	14.3	18.38	9.93	26.06	35.82	15.65	29.91	38.22	21.08
					(11.76)	(17.44)	(5.72)	(3.85)	(2.4)	(5.43)
	U	31.91	31.86	31.95	60.04	70.3	48.91	65.76	73.94	56.87
					(28.13)	(38.44)	(16.96)	(5.72)	(3.64)	(7.96)

Table 3.23 (Continued)

Districts		1981			1991			2001		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
Maldah	T	26.5	36.1	16.4	35.62	45.61	24.92	50.71	59.24	41.67
		(5.66)	(6.18)	(5.12)	(9.1)	(9.48)	(8.55)	(15.1)	(13.6)	(16.8)
	R	24.3	34	14	32.57	42.8	21.6	48.21	57.03	38.85
		(5.43)	(6.09)	(4.91)	(8.3)	(8.84)	(7.56)	(15.6)	(14.2)	(17.3)
	U	70	77.4	62	73.11	79.81	65.83	79.47	84.95	73.99
		(2.99)	(3.13)	(3.2)	(2.09)	(2.39)	(3.83)	(7.36)	(4.84)	(8.16)
sh id	T	28.8	36.7	20.6	38.28	46.42	29.57	55.06	61.4	48.33

		(5.16)	(4.72)	(5.73)	(9.47)	(9.76)	(8.98)	(16.8)	(15)	(18.8)
	R	26.1	33.9	17.9	35.52	43.68	26.77	52.99	59.23	46.37
		(5.17)	(4.71)	(5.72)	(9.45)	(9.81)	(8.89)	(17.5)	(15.6	(19.6
	U	54.6	63.1	45.8	60.8	69.12	52.12	69.03	76.35	61.49
		(2.73)	(2.99)	(2.93)	(6.2)	(6.01)	(6.28)	(8.23)	(7.23	(9.37

Table 3.23 (Continued)

Birbhum	T	38.5	48.5	28	48.56	59.26	37.17	62.16	71.57	52.21
		(7.02)	(6.68)	(7.32)	(10.1)	(10.7)	(9.21)	(13.6)	(12.3)	(15)
	R	36.7	46.8	26.2	46.6	57.52	35	60.55	70.18	50.35
		(7.04)	(6.63)	(7.4)	(9.89)	(10.7)	(8.76)	(14)	(12.7)	(15.4)
	U	57.6	67	47.4	67.42	75.69	58.36	78.39	85.5	70.9
		(3.6)	(4.59)	(2.75)	(9.78)	(8.66)	(11)	(110)	(9.81)	(12.5)
Burdwan	T	47.9	57.5	37	61.88	71.12	51.46	71	79.3	61.93
		(7.4)	(7.62)	(7.44)	(14)	(13.6)	(14.4)	(9.12)	(8.18)	(10.5)
	R	42	51.6	31.6	56.83	66.69	45.95	66.69	75.72	57.08
		(7.36)	(7.36)	(7.68)	(14.9)	(15.4)	(14.3)	(9.86)	(8.81)	(11.1)
	U	61.8	70.5	50.8	70.86	78.19	61.92	78.05	84.99	70.15
		(2.19)	(3.56)	(1.01)	(9.11)	(7.65)	(11.2)	(7.19)	(6.8)	(8.23)
Nadia	T	41.89	49.78	33.5	52.53	60.05	44.42	66.55	72.67	60.06
		(4.94)	(4.49)	(5.46)	(10.64)	(10.27)	(10.92)	(14.02)	(12.62)	(15.64)
	R	34.81	42.7	26.41	46.06	53.84	37.56	62.32	68.7	55.5
		(4.9)	(4.48)	(5.33)	(11.25)	(11.14)	(11.15)	(16.26)	(14.86)	(17.94)
	U	66.77	74.91	58.24	73.53	80.64	66.13	81.51	86.89	75.92
		(1.01)	(0.97)	(1.37)	(6.76)	(5.73)	(7.89)	(7.98)	(6.25)	(9.79)

Table 3.23 (Continued)

Districts		1951			1961			1971		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
North 24-Parganas	T	27.83	40.41	12.29	38.16	50.79	23.1	44.63	55.74	31.81
					(10.33)	(10.38)	(10.81)	(6.47)	(4.95)	(8.71)
	R	23.74	38.73	6.91	28.08	42.79	11.95	34.06	47.3	19.68
					(4.03)	(4.06)	(5.04)	(5.98)	(4.51)	(7.73)
	U	39.18	44.39	30.75	58.79	65.38	49.43	63.02	69.31	54.94
					(19.61)	(20.99)	(18.68)	(4.23)	(3.93)	(5.51)
Hooghly	T	27.84	39.91	13.79	40.92	53.88	26.07	45.58	56.34	33.39
					(13.08)	(13.97)	(12.28)	(4.66)	(2.46)	(7.32)
	R	23.53	36.83	9.14	34.62	49.37	18.87	39.81	51.91	26.82
					(11.09)	(12.54)	(9.73)	(5.19)	(2.54)	(7.95)
	U	43.87	49.8	34.82	58.02	64.74	48.65	60.56	66.87	52.33
					(14.15)	(14.94)	(13.83)	(2.54)	(2.13)	(3.68)
Bankura	T	16.06	24.04	7.51	27.15	42.4	11.49	31.02	44.14	17.16
					(11.09)	(18.36)	(3.98)	(3.87)	(1.74)	(5.67)
	R	15.81	24.43	6.64	25.38	40.61	9.84	29.27	42.54	15.32
					(9.57)	(16.18)	(3.2)	(3.89)	(1.93)	(5.48)
	U	19.12	19.36	18.83	49.28	63.86	33	51.8	62.93	39.6
					(30.16)	(44.5)	(14.17)	(2.52)	(0.93)	(6.6)
Purulia	T	-	-	-	20.54	34.43	5.9	25.12	39.78	9.7
					-	-	-	(4.58)	(5.35)	(3.8)
	R	-	-	-	18.21	31.95	3.81	22.49	37.28	7.04

					-	-	-	(4.28)	(5.33)	(3.23)
	U	-	-	-	52.87	67.27	36.27	53.82	65.91	40.03
					-	-	-	(0.95)	(1.36)	(3.76)

Table 3.23 (Continued)

Districts		1951			1961			1971		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
Undivided Medinipur	T	21.33	29.54	12.23	32.26 (10.93)	49 (19.46)	14.48 (2.25)	38.47 (6.21)	53.02 (4.02)	22.88 (8.4)
	R	20.6	28.65	11.69	30.45 (9.85)	47.41 (18.76)	12.63 (0.94)	36.74 (6.29)	51.59 (4.18)	20.97 (8.34)
	U	31.94	42.7	20.13	53.14 (21.2)	66.15 (23.45)	37.48 (17.35)	58.58 (5.44)	68.96 (2.81)	46.39 (8.91)
Howrah	T	33.02	44.86	17.57	42.93 (9.91)	55.5 (10.64)	26.86 (9.29)	47.13 (4.2)	57.61 (2.11)	34.04 (7.18)
	R	27.11	41.28	11.28	35.23 (8.12)	51.74 (10.46)	17.44 (6.26)	38.63 (3.4)	50.97 (0.77)	25.1 (7.66)
	U	45.64	51.13	35.68	53.69 (8.05)	59.89 (8.76)	43.54 (7.86)	58.07 (4.38)	65.11 (5.22)	47.65 (4.11)

Table 3.23 (Continued)

Districts		1981			1991			2001		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
North 24-Parganas	T	52.15 (7.52)	62.65 (6.91)	40.4 (8.59)	66.81 (14.66)	74.72 (12.07)	57.99 (17.59)	78.49 (11.68)	84.35 (9.63)	72.13 (14.14)
	R	40.32 (6.26)	53.27 (5.97)	26.44 (6.76)	53.36 (13.04)	63.78 (10.51)	42.12 (15.68)	69.69 (16.33)	77.2 (13.42)	61.71 (19.59)
	U	69.95 (6.93)	76.04 (6.73)	62.67 (7.73)	78.48 (8.53)	83.93 (7.89)	72.22 (9.55)	85.45 (6.97)	89.93 (6)	80.51 (8.29)
Hooghly	T	54.65 (9.07)	64.63 (8.29)	43.55 (10.16)	66.78 (12.13)	75.77 (11.14)	56.9 (13.35)	75.59 (8.81)	83.05 (7.28)	67.72 (10.82)
	R	48.38 (8.57)	59.57 (7.66)	36.43 (9.61)	62.29 (13.91)	72.85 (13.28)	51.08 (14.65)	71.52 (9.23)	80.25 (7.4)	62.58 (11.5)
	U	69.2 (8.64)	75.65 (8.78)	61.32 (8.99)	76.16 (6.96)	81.57 (5.92)	69.76 (8.44)	83.39 (7.23)	88.19 (6.620	78.01 (8.25)
Bankura	T	43.05 (12.03)	58.06 (13.92)	27.35 (10.19)	52.04 (8.99)	66.75 (8.69)	36.55 (9.2)	63.84 (11.8)	77.21 (0.46)	49.8 (13.25)
	R	41.31 (12.04)	56.61 (14.07)	26.34 (10.02)	50.01 (8.7)	65.17 (8.56)	34.06 (8.72)	62.44 (12.43)	76.27 (11.1)	47.92 (13.86)
	U	63.7 (11.9)	75.19 (12.26)	51.48 (11.88)	73.7 (10)	83.35 (8.16)	63.36 (11.88)	80.66 (6.96)	88.49 (5.14)	72.42 (9.06)
Purulia	T	33.67 (8.55)	51.31 (11.53)	15.09 (5.39)	43.29 (9.62)	62.17 (10.86)	23.24 (8.15)	56.14 (12.85)	74.18 (12.01)	37.15 (13.91)
	R	30.88 (8.39)	49.01 (11.73)	11.92 (4.88)	40.32 (9.44)	59.98 (10.97)	19.57 (7.65)	53.82 (13.5)	72.82 (12.84)	33.91 (14.34)
	U	61.71 (7.89)	73.78 (7.87)	48.2 (8.17)	70.58 (8.87)	81.7 (7.92)	58.09 (9.89)	75.96 (5.38)	85.58 (3.88)	65.45 (7.36)
Medinipur	T	48.52 (10.05)	62.93 (9.91)	33.3 (10.42)	69.32 (20.8)	81.27 (18.34)	56.63 (23.33)	75.17 (5.85)	85.25 (3.98)	64.63 (8)

	R	46.86	61.69	31.28	68.27	80.73	55.13	74.42	84.76	63.63
		(10.12)	(10.1)	(10.31)	(21.41)	(19.04)	(23.85)	(6.15)	(4.03)	(8.5)
	U	66.04	75.59	55.29	78.42	85.86	70.12	81.34	89.21	72.92
		(7.46)	(6.63)	(8.9)	(12.38)	(10.27)	(14.83)	(2.92)	(3.35)	(2.8)

Table 3.23 (Continued)

Districts		1981			1991			2001		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
Paschim Medinipur	T	-	-	-	65.40	77.50	52.50	70.40	81.30	59.10
		-	-	-	-	-	-	(5.0)	(3.8)	(6.6)
	R	-	-	-	63.50	76.40	49.90	68.70	80.20	56.80
		-	-	-	-	-	-	(5.2)	(3.8)	(6.9)
	U	-	-	-	77.60	84.70	69.80	82.40	88.70	75.70
		-	-	-	-	-	-	(4.8)	(4.0)	(5.9)
Purba Medinipur	T	-	-	-	74.00	85.70	61.50	80.20	89.10	70.70
		-	-	-	-	-	-	(6.2)	(3.4)	(9.2)
	R	-	-	-	73.50	85.40	60.90	79.80	89.00	70.20
		-	-	-	-	-	-	(6.3)	(3.6)	(9.3)
	U	-	-	-	80.30	88.60	70.80	83.80	90.50	76.30
		-	-	-	-	-	-	(3.5)	(1.9)	(5.5)
Howrah	T	57.73	67.75	46.06	67.62	76.11	57.83	77.64	83.68	70.93
		(10.6)	(10.14)	(12.02)	(11.43)	(9.8)	(13.08)	(12.11)	(9.09)	(15.52)
	R	49.85	62.41	36.53	61.28	72.21	49.61	73.39	81.3	65.13
		(11.22)	(11.44)	(11.43)	(11.43)	(9.8)	(13.08)	(12.11)	(9.09)	(15.52)
	U	67.01	73.48	58.6	73.72	79.63	66.41	81.68	85.82	76.8
		(8.94)	(8.37)	(10.95)	(6.71)	(6.13)	(7.81)	(7.96)	(6.21)	(10.39)

Table 3.23 (Continued)

Districts		1951			1961			1971		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
Kolkata	T	52.98	55.52	47.91	64.98	68.51	58.95	65.5	68.67	60.34
					(12)	(12.99)	(11.04)	(0.52)	(0.16)	(1.39)
South 24-Parganas	T	27.83	40.41	12.29	38.16	50.79	23.1	44.63	55.74	31.81
					(10.33)	(10.38)	(10.81)	(6.47)	(4.95)	(8.71)
	R	23.74	38.73	6.91	28.08	42.79	11.95	34.06	47.3	19.68
					(4.34)	(4.06)	(5.04)	(5.98)	(4.51)	(7.73)
	U	39.18	44.39	30.75	58.79	65.38	49.43	63.02	69.31	54.94
					(19.61)	(20.99)	(18.68)	(4.23)	(3.93)	(5.51)
West Bengal	T	24.95	34.65	13.18	34.46	46.57	20.27	38.9	49.6	26.6
					(9.51)	(11.92)	(7.09)	(4.4)	(3)	(6.29)
	R	18.77	28.91	7.55	25.84	38.91	11.73	30.6	42.3	18.1
					(7.07)	(10)	(4.18)	(4.79)	(3.36)	(6.32)
	U	45.74	50.96	37.1	59.55	65.95	50.02	6.25	68.2	54.1

					(13.81)	(14.99)	(12.92)	(2.7)	(2.24)	(4.09)

Table 3.23 (Continued)

Districts		1981			1991			2001		
		Person	Male	Female	Person	Male	Female	Person	Male	Female
Kolkata	T	74.14	78.09	68.45	77.61	81.94	72.09	81.31	84.07	77.95
		(8.64)	(9.42)	(8.11)	(3.47)	(3.85)	(3.64)	(3.7)	(2.13)	(5.86)
South 24-Parganas	T	52.15	62.65	40.4	55.1	68.45	40.57	70.16	79.89	59.73
		(7.52)	(6.91)	(8.59)	-	-	-	(15.06)	(11.44)	(19.16)
	R	40.32	53.27	26.44	52.3	66.6	36.89	68.13	78.68	56.89
		(6.260	(5.97)	(6.76)	-	-	-	(15.83)	(12.080	(200
	U	69.95	76.04	62.67	72.02	79.26	63.64	80.33	85.85	74.25
		(6.93)	(6.73)	(7.73)	-	-	-	(8.31)	(6.59)	(10.61)
West Bengal	T	46.3	57.04	34.4	57.7	67.81	46.56	69.22	77.58	60.22
		(7.46)	(7.47)	(7.87)	(11.4	(10.8)	(12.1)	(11.5)	(9.77)	(13.7)
	R	37.9	49.71	25.3	50.5	62.05	38.12	64.06	73.75	53.82
		(7.27)	(7.44)	(7.29)	(12.6)	(12.3)	(12.8)	(13.6)	(11.7)	(15.7)
	U	68.7	75.2	60.7	75.27	81.19	68.25	81.63	86.49	76.14
		(6.49)	(7.01)	(6.61)	(6.53)	(5.99)	(7.53)	(6.36)	(5.3)	(7.89)

Source: Bureau of Applied Economics & Statistics, Government of West Bengal, *Statistical Abstract*

Notes: - 1 *Up to 1971 Literacy rate is calculated excluding the 0-4 age population. From 1981 onwards Literacy rate is calculated excluding the 0-6 age population.

2 Up to 1981 the literacy rate for Uttar and Dakshin Dinajpur is commons both the districts were under the erstwhile West Dinajpur but up to 1991. The figures for 1991 for 1991 have been recast.

3 Up to 1981 the literacy rate for North and South 24-Parganas are the As both the districts were under undivided 24-Parganas.

4. ( ) Figures within parenthesis indicate decadal percentage point increase in literacy rate.

Table 3.24 Literacy Rate among SCs by Sex in Districts of West Bengal, 1991 & 2001 **(**Per cent)

District / State	2001					1991				
	Male	Female	Total	Rural	Urban	Male	Female	Total	Rural	Urban
Burdwan	63.74	39.59	51.99	49.71	58.53	47.49	24.69	36.57	34.44	43.23
Birbhum	57.75	33.05	45.74	44.83	57.95	38.47	16.13	27.66	26.71	39.95
Bankura	58.22	27.11	42.92	42.22	54.78	40.27	13.08	26.96	26.16	38.25
Undivided Medinipur	76.88	49.84	63.57	62.92	70.93	68.66	39.75	54.56	54.11	59.34
Howrah	70.5	51.4	61.13	57.16	70.39	55.98	32.87	44.87	39.91	56.12
Hooghly	67.26	44.73	56.1	52.96	70.37	53.78	27.80	40.66	37.71	5.56
North	79.59	61.41	70.79	67.89	76.17	64.72	41.21	53.51	49.72	61.71
South	79.63	54.21	67.36	66.31	78.63	64.99	33.44	49.79	48.75	63.27
Kolkata	77.25	62.26	70.54	-	70.54	63.51	47.25	56.53	-	56.53
Nadia	71.76	53.94	63.09	61.77	69.21	55.03	34.78	45.32	43.04	55.71
Murshidabad	58.05	39.24	48.91	46.76	62.6	40.54	24.42	32.79	30.75	46.00
Uttar Dinajpur	63.49	35.71	50.06	48.31	69.34	45.72	19.06	33.05	31.43	53.84
Dakshin Dinajpur	66.35	42.09	54.55	53.54	65.64					
Maldah	62.75	38.87	51.17	49.99	67.69	46.63	20.18	33.89	32.94	50.56
Jalpaiguri	73.37	49.62	61.87	61.13	68.37	54.82	26.57	-	40.52	47.74

Darjeeling	73.91	50.31	62.43	59.93	72.03	58.14	33.25	46.30	41.73	61.82
Coochbehar	75.82	52.29	64.35	63.94	74.88	54.31	26.87	41.17	40.44	60.94
Purulia	63.01	26.35	45.15	44.47	50.08	48.93	13.47	31.81	30.80	40.33
West Bengal	70.54	46.9	59.04	57.09	68.99	54.55	28.87	42.21	39.98	53.98

Source: Census of India 1991 & 2001

Table 3.25 Literacy Rate among STs by Sex in Districts of West Bengal, 1991 & 2001 (Per cent)

District/ State	1991					2001				
	Male	Female	Total	Rural	Urban	Male	Female	Total	Rural	Urban
Burdwan	36.70	14.83	25.98	25.58	27.69	55.36	28.19	41.83	40.83	45.41
Birbhum	23.63	5.63	14.76	14.63	19.90	44.17	18.17	31.2	31.09	35.78
Bankura	50.41	13.88	32.43	32.27	55.74	67.84	31.13	49.6	49.47	73.68
Undivided Medinipur	55.57	24.56	40.27	40.08	47.84	62.92	30.83	47.05	46.58	61.48
Howrah	51.01	31.95	42.36	18.72	57.65	61.16	42.19	52.06	34.13	66.21
Hooghly	42.11	13.83	28.14	27.90	32.30	59.23	31.94	45.45	44.77	55.04
North 24-Parganas	36.73	13.08	25.32	22.88	43.34	58.38	33.27	46.09	42.57	64.76
South 24-Parganas	36.43	12.14	24.30	23.81	42.54	56.33	29.88	43.29	41.91	62.4
Kolkata	64.30	42.00	55.41	-	55.41	83.66	67.07	76.39	-	76.39
Nadia	33.53	12.63	23.40	21.33	38.83	51.78	29.2	40.63	39.27	51.78
Murshidabad	25.95	10.60	18.39	17.367	42.57	46.17	25.01	35.79	34.89	57.95
Uttar Dinajpur	28.42	9.10	18.88	18.28	46.14	39.51	17.63	28.68	27.82	63.71
Dakshin Dinajpur						55.14	30.22	42.82	42.05	70.53
Maldah	25.07	6.42	15.78	15.44	53.06	44.72	19.63	32.16	31.78	66.1
Jalpaiguri	31.69	12.52	22.28	21.95	48.27	54.24	30.67	42.59	42.1	61.1
Darjeeling	47.54	30.77	39.38	34.13	75.89	65.07	45.85	55.48	50.91	84.76
Coochbehar	44.89	19.31	32.93	31.50	60.96	66.38	43.3	55.31	53.59	75.21
Purulia	43.91	10.55	27.61	27.39	48.91	61.26	23.4	42.64	42.33	62.61
West Bengal	40.07	14.98	27.78	26.95	42.53	57.38	29.15	43.4	42.35	58.67

Source: As in Table 3.23

3.2.2 Economic Livelihoods

As per Census of India 2001, North 24-Parganas district recorded the largest number of workers with 23.03 lakh male and 3.21 lakh female main working population and 1.99 lakh male and 1.66 lakh female marginal workers. This district was followed by Burdwan with 16.28 lakh main male, 2.74 lakh main female, and 2.93 lakh male and 2.56 lakh female marginal workers. Darjeeling district registered the lowest number of workers – 4.03 lakh male workers and 1.66 lakh female workers. South 24-Parganas district registered in 2001 the largest number of rural male workers (15.46 lakh) followed by Bankura (15.15 lakh), the smallest rural male workers being recorded in Darjeeling district (2.67 lakh). In this year Paschim Medinipur district recorded the largest number of rural female workers (6.4 lakh) followed by Maldah (4.39 lakh), the smallest rural female workers being recorded in Howrah district (1.07 lakh). The largest number of male urban workers (14.52 lakh) was witnessed by Kolkata district followed by North 24-Parganas district (13.65 lakh), the smallest urban male workers being registered in Dakshin Dinajpur district (0.49 lakh). Kolkata district also recorded the largest number of female urban workers (2.66 lakh) followed by North 24-Parganas district (2.49 lakh) (Table 3.26 to Table 3.28).

Among the districts, Bankura recorded the highest overall work participation rate (WPR) (44.7 per cent) followed closely by Purulia (44.5 per cent). South 24-Parganas with WPR 32.5 per cent had the lowest work participation rate in 2001 census. The WPR for scheduled castes varied from the highest of 50.0 per cent in Bankura to the lowest of 33.9 per cent in South 24-Parganas. Bankura also had the highest WPR (53.9 per cent) for the scheduled tribes and Kolkata the lowest ST WPR (38.3 per cent) (Table 3.29).

Kolkata recorded the highest proportion of main workers to total workers (94.5 per cent) followed by North 24-Parganas (87.8 per cent), the lowest being registered by Purulia (57.3 per cent) in 2001 census. In respect of general caste, the respective districts were Kolkata (94.7 per cent), North 24-Parganas (89.5 per cent) and Purulia (60.3 per cent) and as regards SCs, the respective districts were Kolkata (92.8 per cent), Nadia (86.6 per cent) and Purulia (52.9 per cent) and in case of STs, the respective districts were Kolkata (91.4 per cent), Nadia (85.7 per cent) and Purulia (52.2 per cent). Conversely, among the districts Purulia recorded the highest proportion of marginal workers to total workers (42.7 per cent) followed by Bankura (33.8 per cent), the lowest being registered by Kolkata (5.5 per cent) in 2001 census. In respect of general caste, the respective districts were Purulia (39.7 per cent), Bankura and undivided Medinipur (30.8 per cent) and Kolkata (5.3 per cent) and as regards SCs, the respective districts were Purulia (47.1 per cent), Burdwan (38.7 per cent) and Kolkata (7.2 per cent) and in case of STs, the respective districts were Purulia (47.8 per cent), Bankura (41.3 per cent) and Kolkata (8.6 per cent).

As per Census of India 2001 main workers are classified into cultivators, agricultural workers, household industry workers and other workers. The soft version of the Census as developed by Directorate of Census Operation classifies main workers into a number of elaborate categories like cultivators, agricultural workers, plantation, livestock, fishing, hunting and allied activities; mining and quarrying; household industry; non-household industry; electricity, gas and water supply; construction, wholesale and retail trade; hotel and restaurants; transport, storage and communication; financial intermediaries& real estate, renting and business activities; and public administration and defence, compulsory social security; education; health and social work; Other community, social and personal service activities; private households with employed persons and extra-territorial organization and bodies. The data on these categories are shown in Table 3.30.

Among the districts the percentage of cultivators was lowest in Kolkata (which is a fully urban district). The proportion of cultivators in other districts varied from 5.2 per cent in Howrah to 31.3 per cent in Purulia. Among the scheduled castes, this proportion varied from the lowest of 7.4 per cent in Howrah to the highest of 43.2 per cent in Coochbehar district. Among the scheduled tribes, Howrah had the lowest (0.8 per cent) while Purulia had the highest proportion of cultivators (32.1 per cent).

The proportion of agricultural labourers in total main workers is an important indicator of development, a factor influencing the poverty scenario. As per 2001 Census seven districts of the State recorded increase in the share of agricultural labourers. Of these seven districts five were in North Bengal. The highest percentage of agricultural labourers was recorded in Uttar Dinajpur district (39.7 per cent) while the lowest percentage being registered in Kolkata district (0.3 per cent). Among the scheduled castes, Bankura district had the highest proportion of agricultural labourers (59.5 per cent) followed by Birbhum (57.6 per cent) and Burdwan (51.9 per cent) while Kolkata recorded the lowest percentage (1.4 per cent) led by Darjeeling (14.6 per cent). Among the scheduled tribes Hooghly district had the highest percentage (78.4 per cent) followed by Murshidabad (76.6 per cent) while Kolkata registered the lowest (0.7 per cent) led by Darjeeling (13.4 per cent). In nine districts more than 30 per cent of workers among the scheduled tribes were engaged as agricultural labourers as per 2001 Census.

Among the districts, Murshidabad recorded the highest proportion of household industry (HHI) main workers (17.64 per cent) followed by Maldah (12.66 per cent), the lowest being registered by Jalpaiguri (1.68 per cent) in 2001 census. In respect of proportion of male HHI main workers, the respective districts were Howrah (8.58 per cent), Murshidabad (7.38 per cent) and Jalpaiguri (1.49 per cent) and as regards female proportion of these workers, the respective districts were Murshidabad (64.38 per cent), Maldah (43.22 per cent) and Jalpaiguri (2.42 per cent). Kolkata recorded the highest proportion of other main workers to total workers (96.3 per cent) followed by Howrah (73.1 per cent), the lowest being registered by Purulia (25.2 per cent) in 2001 census. In respect of general caste, the respective districts were Kolkata (96.5 per cent), North 24-Parganas (76.8 per cent) and Purulia (28.2 per cent) and as regards SCs, the respective districts were Kolkata (93.5 per

cent), Darjeeling (69.0 per cent) and Coochbehar (20.8 per cent). Among the STs, Kolkata recorded the highest proportion of other main workers (98.0 per cent) followed by Howrah (78.9 per cent), the lowest being registered by Maldah (7.2 per cent) in 2001 census (Table 3.31 & Table 3.32).

Table 3.26 Working Population by Sex in Districts of West Bengal, 1991 and 2001

District/State	Main workers				Marginal workers				Total workers	
	Male		Female		Male		Female		Male	Female
	2001	1991	2001	1991	2001	1991	2001	1991	2001	2001
Burdwan	1628180	1579942	274154	218188	292764	16769	256143	39947	1920944	530297
Birbhum	713072	677430	118627	100052	126802	11354	169996	58312	839874	288623
Bankura	759045	728895	185171	192696	169391	15658	313665	69998	928436	498836
Purba Medinipur	940575	-	122215	-	277736	-	278984	-	1218311	401199
Paschim Medinipur	1203238	4486279	264084	510936	258022	-	406203	168257	1461260	670287
Undivided Medinipur	2143813	2150609	386299	384841	535758	73422	685187	323470	2679571	1071486
Howrah	1109164	1036903	115808	52330	142969	7330	70933	12785	1252133	186741
Hooghly	1309037	1181933	219003	149211	154173	6447	177274	18530	1463210	396277
North 24-Parganas	2302768	1897198	320584	156114	198724	11128	166084	31053	2501492	486668
South 24-Parganas	1510870	1411582	167260	79613	336620	35264	228010	90425	1847490	395270
Kolkata	1388550	1311642	235229	13326	62998	5512	30957	1823	1451548	266186
Nadia	1214530	1029267	191194	80564	86229	5435	123752	14931	1300759	314946
Murshidabad	1377177	1243707	295134	180782	159492	12306	173371	53850	1536669	468505
Uttar Dinajpur	585710	540405	130773	82862	67967	4663	151074	32593	653677	281847
Dakshin Dinajpur	385677	335074	85510	64449	42795	2594	98746	16549	428472	184256
Maldah	754687	688115	212456	20293	133140	12635	240423	67784	887827	452879
Jalpaiguri	816528	720479	208905	162290	98872	29114	178831	48451	915400	387736
Darjeeling	359110	317733	119741	120515	43860	2409	46731	4190	402970	166472

Coochbehar	639791	597823	114520	65601	58759	3444	153635	31014	698550	268155
Purulia	497262	981479	148244	221816	181760	20560	300222	150925	679022	448466
West Bengal	19494971	17989505	3528612	2591543	2893073	262414	3565034	1071312	22388044	7093646

Source: As in Table 3.24

Table 3.27 Working Rural Population in Districts of West Bengal, 1991 and 2001

District/ State	Main workers				Marginal workers				Total workers	
	Male		Female		Male		Female		Male	Female
	2001	1991	2001	1991	2001	1991	2001	1991	2001	2001
Burdwan	1049801	1057955	197974	177393	215528	12336	223380	35289	1265329	421354
Birbhum	649167	621739	106734	93609	122015	10970	166532	57553	771182	273266
Bankura	699340	671872	174252	184548	165160	15268	309193	69209	1515450	144197
Purba Medinipur	857588	1950007*	109836	361266*	263660	69264*	273561	316253*	1121248	383397
Paschim Medinipur	1055141		241246		245990		398894		1301131	640140
Howrah	503820	512520	55719	23911	97708	5018	51089	11661	601528	106808
Hooghly	858704	821988	153169	118479	122881	5107	159605	17210	981585	312774
North 24-Parganas	1018297	938756	120208	65099	118353	6210	117081	27996	1136650	237289
South 24-Parganas	1242530	1221680	134659	66874	303593	32485	215150	89365	1546123	349779
Nadia	956242	813348	125629	50534	72130	4237	105868	10319	1028372	231497
Murshidabad	1202131	1124527	219112	145975	147778	11320	149526	51858	1349909	368638
Uttar Dinajpur	511841	479610	118725	75766	63728	4336	147689	32058	575569	266414
Dakshin Dinajpur	339023	297877	75106	59655	40409	2418	95822	16125	379432	170928
Maldah	694698	643106	201597	14780	130248	12441	237702	67645	824946	439299
Jalpaiguri	660430	602064	183246	146868	90336	14557	172277	47645	750766	355523
Darjeeling	229942	216787	93481	104473	36794	1762	43022	3860	266736	136503
Coochbehar	582198	557071	103547	58943	55861	3153	151705	30558	638059	255252
Purulia	440972	931829	140475	216870	175844	20560	296980	150925	616816	437455
West Bengal	13619407	130022025	2495703	2091043	2456141	231442	3326270	1035529	16075548	5421973

Source: As in Table 3.24
Note: * = Undivided Medinipur

Table 3.28 Working Urban Population According to Livelihood Classes in Districts of West Bengal, 1991 and 2001

District / State	Main workers				Marginal workers				Total workers	
	Male		Female		Male		Female		Male	Female
	2001	1991	2001	1991	2001	1991	2001	1991	2001	2001
Burdwan	578379	521987	76180	40795	77236	4433	32763	4658	655615	108943
Birbhum	63905	55691	11893	6443	4787	384	3464	759	68692	15357
Bankura	59705	57023	10919	8148	4231	390	4472	789	864500	483445

Purba Medinipur	82987	200602*	12379	23575*	14076	4158*	5423	7217*	97063	17802
Paschim Medinipur	148097		22838		12032		7309		160129	30147
Howrah	605344	524383	60089	28419	45261	2312	19844	1124	650605	79933
Hooghly	450333	359945	65834	30732	31292	1340	17669	1320	481625	83503
North 24-Parganas	1284471	958442	200376	91015	80371	4918	49003	3057	1364842	249379

Note: * = Undivided Medinipur

Table 3.28 (continued)

District / State	Main workers				Marginal workers				Total workers	
	Male		Female		Male		Female		Male	Female
	2001	1991	2001	1991	2001	1991	2001	1991	2001	2001
South 24-Parganas	268340	189902	32601	12739	33027	2779	12890	1060	301337	45491
Kolkata	-	1311642	-	13326	-	5512	-	1823	-	-
Nadia	258288	215919	65565	30030	14099	1198	17884	4612	272387	83449
Murshidabad	175046	119180	76022	34807	11714	986	23845	1992	186760	99867
Uttar Dinajpur	73869	60795	12048	7096	4239	327	3385	535	78108	15433
Dakshin Dinajpur	46654	37197	10404	4794	2386	176	2924	424	49040	13328
Maldah	59989	45009	10859	5513	2892	194	2721	139	62881	13580
Jalpaiguri	156098	118415	25659	15422	8536	14557	6554	806	164634	32213
Darjeeling	129168	100946	26260	16042	7066	647	3709	330	136234	29969
Coochbehar	57593	40752	10973	6658	2898	291	1930	456	60491	12903
Purulia	56290	49650	7769	4946	5916	-	3242	-	62206	11011
West Bengal	6013142	4967480	935548	500500	411790	30972	245277	35783	6424932	1180825

Source: As in Table 3.24

Table 3.29 Work Participation Rate in Districts of West Bengal, 2001 (Per cent)

Districts	Rural male	Rural female	Urban male	Urban female	Districts	Rural male	Rural female	Urban male	Urban female
Darjeeling	47.9	47.1	25.7	10.7	North 24-Parganas	54.1	12	53.8	10.8
Jalpaiguri	52.2	49.7	26.2	8.8	South 24-Parganas	51.6	12.4	53.1	8.8
Coochbehar	55.1	23.3	52.7	11.6	Hooghly	57.7	18.9	54.1	10.5
Uttar Dinajpur	52.1	25.5	50.2	11.1	Bankura	57	33.5	53	13.4
Dakshin Dinajpur	56.6	26.9	48.8	13.8	Purulia	52.9	39.2	46.8	9
Maldah	52.7	29.6	50.8	11.6	Paschim Medinipur	55.0*	24.3*	50.6*	10.1*
Murshidabad	51.3	14.7	50.2	27.7	Purba Medinipur	55.0*	24.3*	50.6*	10.1*
Birbhum	54.5	20.3	51.8	12.2	Howrah	55.5	10.3	56.2	8

Burdwan	56.5	20	48.6	9.1	Kolkata	0	0	58.1	12.8
Nadia	55.1	13.2	54.6	17.4					

Source: Government of West Bengal (2007)

Table 3.30 Classification of Workers by Sex and Residence in Districts of West Bengal, 2001

State/Districts	Total/Rural /Female	Total workers			Total cultivators		
		Persons	Males	Females	Persons	Males	Females
Darjeeling	Total	571153	403074	168079	88194	57871	30323
	Rural	405153	267335	137818	87411	57423	29988
	Urban	166000	135739	30261	783	448	335
Jalpaiguri	Total	1303423	916993	386430	269944	202976	66968
	Rural	1105483	751408	354075	266790	200306	66484
	Urban	197940	165585	32355	3154	2670	484
Coochbehar	Total	961388	692650	268738	361840	277339	84501
	Rural	887631	631765	255866	361060	276637	84423
	Urban	73757	60885	12872	780	702	78
Uttar Dinajpur	Total	931642	650377	281265	276731	219228	57503
	Rural	839193	572991	266202	275326	217985	57341
	Urban	92449	77386	15063	1405	1243	162
Dakshin Dinajpur	Total	613429	428148	185281	189814	159967	29847
	Rural	550632	378837	171795	189122	159355	29767
	Urban	62797	49311	13486	692	612	80
Maldah	Total	1335326	887889	447437	279276	244231	35045
	Rural	1259803	825713	434090	278552	243659	34893
	Urban	75523	62176	13347	724	572	152
Murshidabad	Total	2021956	1537328	484628	375172	356631	18541
	Rural	1734099	1349632	384467	371434	353125	18309
	Urban	287857	187696	100161	3738	3506	232
Birbhum	Total	1130526	841473	289053	260955	230925	30030
	Rural	1045827	772482	273345	259938	230019	29919
	Urban	84699	68991	15708	1017	906	111
Burdwan	Total	2480532	1936761	543771	361687	328749	32938
	Rural	1713729	1279239	434490	348786	318342	30444
	Urban	766803	657522	109281	12901	10407	2494
Nadia	Total	1612477	1299147	313330	320464	291242	29222
	Rural	1254253	1025178	229075	315084	286299	28785
	Urban	358224	273969	84255	5380	4943	437
North 24-Parganas	Total	2991118	2505885	485233	300930	279269	21661
	Rural	1377134	1139540	237594	291453	271613	19840
	Urban	1613984	1366345	247639	9477	7656	1821
Hooghly	Total	1864084	1467839	396245	277901	240556	37345
	Rural	1298444	985586	312858	273317	236592	36725

	Urban	565640	482253	83387	4584	3964	620
Bankura	Total	1436678	936019	500659	439957	331925	108032
	Rural	1357439	872094	485345	438988	331005	107983
	Urban	79239	63925	15314	969	920	49
Puruliya	Total	1121372	674792	446580	352712	231336	121376
	Rural	1047970	612730	435240	351384	230321	121063
	Urban	73402	62062	11340	1328	1015	313

Table 3.30 (Continued)

State/Districts	Total/Rural /Female	Total workers			Total cultivators		
		Persons	Males	Females	Persons	Males	Females
Medinipur	Total	3740171	2675604	1064567	1054924	833304	221620
	Rural	3437006	2420265	1016741	1044535	824148	220387
	Urban	303165	255339	47826	10389	9156	1233
Howrah	Total	1435440	1249504	185936	74935	68623	6312
	Rural	710335	604191	106144	72337	66716	5621
	Urban	725105	645313	79792	2598	1907	691
Kolkata	Total	1719286	1450832	268454	6376	3758	2618
	Urban	1719286	1450832	268454	6376	3758	2618
South 24-Parganas	Total	2268437	1865267	403170	362110	297280	64830
	Rural	1920679	1563742	356937	360331	295873	64458
	Urban	347758	301525	46233	1779	1407	372
West Bengal	Total	29538438	22419582	7118856	5653922	4655210	998712
	Rural	21944810	16052728	5892082	5585848	4599418	986430
	Urban	7593628	6366854	1226774	68074	55792	12282

Table 3.30 (Continued)

State/Districts	Total/ Rural/ Urban	Agricultural labourers			Workers in plantation, livestock, forestry, fishing, hunting and allied activities		
		Persons	Males	Females	Persons	Males	Females
Darjeeling	Total	58350	35990	22360	83008	41947	41061
	Rural	57787	35597	22190	79830	39785	40045
	Urban	563	393	170	3178	2162	1016
Jalpaiguri	Total	230163	130406	99757	266181	134115	132066
	Rural	226593	128127	98466	260125	130065	130060
	Urban	3570	2279	1291	6056	4050	2006
Coochbehar	Total	285426	170204	115222	19145	10562	8583
	Rural	284231	169233	114998	18195	9790	8405
	Urban	1195	971	224	950	772	178
Uttar Dinajpur	Total	371034	226123	144911	32919	17967	14952
	Rural	368502	224446	144056	30805	16685	14120
	Urban	2532	1677	855	2114	1282	832
Dakshin Dinajpur	Total	222005	129423	92582	23090	7479	15611
	Rural	220260	128472	91788	21440	6235	15205
	Urban	1745	951	794	1650	1244	406

Maldah	Total	411862	271588	140274	71470	38115	33355
	Rural	411171	271074	140097	69700	36675	33025
	Urban	691	514	177	1770	1440	330
Murshidabad	Total	561874	518921	42953	46027	30946	15081
	Rural	554975	512667	42308	41155	26620	14535
	Urban	6899	6254	645	4872	4326	546
Birbhum	Total	416949	281094	135855	28705	14135	14570
	Rural	414439	279323	135116	27825	13485	14340
	Urban	2510	1771	739	880	650	230

Table 3.30 (Continued)

State/Districts	Total/ Rural/ Urban	Agricultural labourers			Workers in plantation, livestock, forestry, fishing, hunting and allied activities		
		Persons	Males	Females	Persons	Males	Females
Burdwan	Total	734022	501736	232286	77511	36342	41169
	Rural	706908	482647	224261	65615	27290	38325
	Urban	27114	19089	8025	11896	9052	2844
Nadia	Total	375541	340712	34829	59822	25186	34636
	Rural	366429	332724	33705	54590	21370	33220
	Urban	9112	7988	1124	5232	3816	1416
North 24-Parganas	Total	406931	347539	59392	84185	51812	32373
	Rural	392616	335322	57294	66745	37230	29515
	Urban	14315	12217	2098	17440	14582	2858
Hooghly	Total	452114	308740	143374	58108	21527	36581
	Rural	441982	301299	140683	48960	13775	35185
	Urban	10132	7441	2691	9148	7752	1396
Bankura	Total	503214	260099	243115	58515	22300	36215
	Rural	501186	258864	242322	57155	21370	35785
	Urban	2028	1235	793	1360	930	430
Puruliya	Total	406223	173011	233212	26730	17230	9500
	Rural	404561	172144	232417	24830	15550	9280
	Urban	1662	867	795	1900	1680	220
Undivided Medinipur	Total	1192363	767977	424386	141922	45829	96093
	Rural	1172601	752392	420209	135940	42655	93285
	Urban	19762	15585	4177	5982	3174	2808
Howrah	Total	146492	131632	14860	27274	13327	13947
	Rural	139513	125300	14213	22180	9125	13055
	Urban	6979	6332	647	5094	4202	892
Kolkata	Total	4378	3278	1100	6222	5482	740
South 24-Parganas	Total	584016	481763	102253	92726	58092	34634

	Rural	576763	475279	101484	90050	55800	34250
	Urban	7253	6484	769	2676	2292	384
West Bengal	Total	7362957	5080236	2282721	1203560	592393	611167
	Rural	7240517	4984910	2255607	1115140	523505	591635
	Urban	122440	95326	27114	88420	68888	19532

Table 3.30 (Continued)

State/Districts	Total/ Rural/ Urban	Mining and quarrying			Household industry		
		Persons	Males	Females	Persons	Males	Females
Darjeeling	Total	6995	3933	3062	14988	9472	5516
	Rural	6605	3605	3000	10970	6810	4160
	Urban	390	328	62	4018	2662	1356
Jalpaiguri	Total	4026	3161	865	25193	13929	11264
	Rural	3180	2445	735	19775	10665	9110
	Urban	846	716	130	5418	3264	2154
Coochbehar	Total	255	236	19	38182	18008	20174
	Rural	215	200	15	35320	16580	18740
	Urban	40	36	4	2862	1428	1434
Uttar Dinajpur	Total	242	218	24	36724	10830	25894
	Rural	130	130	0	33550	9140	24410
	Urban	112	88	24	3174	1690	1484
Dakshin Dinajpur	Total	136	132	4	28350	11437	16913
	Rural	100	100	0	23830	9335	14495
	Urban	36	32	4	4520	2102	2418
Maldah	Total	2075	1982	93	203716	42626	161090
	Rural	1795	1710	85	199460	40490	158970
	Urban	280	272	8	4256	2136	2120
Murshidabad	Total	5475	5196	279	425213	119259	305954
	Rural	4985	4720	265	308445	78575	229870
	Urban	490	476	14	116768	40684	76084
Birbhum	Total	16098	14095	2003	77782	27557	50225
	Rural	15540	13565	1975	74250	26075	48175
	Urban	558	530	28	3532	1482	2050
Burdwan	Total	108558	100985	7573	124469	57096	67373
	Rural	27830	25535	2295	95575	42440	53135
	Urban	80728	75450	5278	28894	14656	14238
Nadia	Total	703	657	46	187568	89996	97572
	Rural	315	295	20	124850	58380	66470
	Urban	388	362	26	62718	31616	31102
North 24-Parganas	Total	3956	3789	167	133631	64728	68903
	Rural	970	955	15	89625	41590	48035
	Urban	2986	2834	152	44006	23138	20868

Hooghly	Total	2727	2650	77	94631	44919	49712
	Rural	1215	1190	25	76495	36125	40370
	Urban	1512	1460	52	18136	8794	9342

Table 3.30 (Continued)

State/Districts	Total/ Rural/ Urban	Mining and quarrying			Household industry		
		Persons	Males	Females	Persons	Males	Females
Bankura	Total	6949	5444	1505	89520	36769	52751
	Rural	6725	5230	1495	81150	31845	49305
	Urban	224	214	10	8370	4924	3446
Puruliya	Total	8907	7709	1198	78578	35497	43081
	Rural	6905	5845	1060	76950	34335	42615
	Urban	2002	1864	138	1628	1162	466
Undivided Medinipur	Total	5231	4650	581	274406	97614	176792
	Rural	4465	3930	535	266830	93380	173450
	Urban	766	720	46	7576	4234	3342
Howrah	Total	1607	1550	57	164286	114457	49829
	Rural	585	560	25	98620	64145	34475
	Urban	1022	990	32	65666	50312	15354
Kolkata	Total	3316	3080	236	52748	40558	12190
	Urban	3316	3080	236	52748	40558	12190
South 24- Parganas	Total	1564	1524	40	145066	84908	60158
	Rural	840	830	10	122960	67220	55740
	Urban	724	694	30	22106	17688	4418
West Bengal	Total	178820	160991	17829	2195051	919660	1275391
	Rural	82400	70845	11555	1738655	667130	1071525
	Urban	96420	90146	6274	456396	252530	203866

Table 3.30 (Continued)

State/Districts	Total/ Rural/ Urban	Non-household industry			Electricity, gas and water supply		
		Persons	Males	Females	Persons	Males	Females
Darjeeling	Total	25751	22358	3393	4779	4029	750
	Rural	14295	12110	2185	2895	2325	570
	Urban	11456	10248	1208	1884	1704	180

Jalpaiguri	Total	81402	70056	11346	4172	3921	251
	Rural	60710	51440	9270	1830	1765	65
	Urban	20692	18616	2076	2342	2156	186
Coochbehar	Total	46539	37079	9460	1531	1446	85
	Rural	38915	30795	8120	775	750	25
	Urban	7624	6284	1340	756	696	60
Uttar Dinajpur	Total	44495	28332	16163	1650	1582	68
	Rural	35285	20470	14815	650	630	20
	Urban	9210	7862	1348	1000	952	48

Table 3.30 (Continued)

State/Districts	Total/ Rural/ Urban	Non-household industry			Electricity, gas and water supply		
		Persons	Males	Females	Persons	Males	Females
Dakshin Dinajpur	Total	30351	20926	9425	787	756	31
	Rural	24385	15800	8585	425	410	15
	Urban	5966	5126	840	362	346	16
Maldah	Total	90247	43313	46934	3602	3448	154
	Rural	79365	34685	44680	2640	2540	100
	Urban	10882	8628	2254	962	908	54
Murshidabad	Total	142670	92256	50414	6219	5992	227
	Rural	112360	69080	43280	3425	3360	65
	Urban	30310	23176	7134	2794	2632	162
Birbhum	Total	59696	43700	15996	4587	4391	196
	Rural	49430	35080	14350	3605	3475	130
	Urban	10266	8620	1646	982	916	66
Burdwan	Total	226698	186142	40556	14769	14048	721
	Rural	106580	76950	29630	3675	3550	125
	Urban	120118	109192	10926	11094	10498	596
Nadia	Total	177742	126881	50861	4142	3969	173
	Rural	104960	74205	30755	1700	1655	45
	Urban	72782	52676	20106	2442	2314	128
North 24-Parganas	Total	545045	465972	79073	15376	14697	679
	Rural	146945	111000	35945	2350	2285	65
	Urban	398100	354972	43128	13026	12412	614
Hooghly	Total	318858	285310	33548	8827	8469	358
	Rural	155790	134470	21320	3355	3245	110
	Urban	163068	150840	12228	5472	5224	248
Bankura	Total	68533	50391	18142	5046	4893	153
	Rural	59165	42505	16660	4190	4075	115
	Urban	9368	7886	1482	856	818	38
Puruliya	Total	39548	31246	8302	4020	3811	209
	Rural	32130	24350	7780	2340	2235	105
	Urban	7418	6896	522	1680	1576	104
Undivided Medinipur	Total	227943	190407	37536	8245	7989	256
	Rural	190165	155625	34540	5795	5655	140
	Urban	37778	34782	2996	2450	2334	116
Howrah	Total	413937	384255	29682	4560	4421	139

	Rural	169805	155545	14260	1430	1395	35
	Urban	244132	228710	15422	3130	3026	104
Kolkata	Total	291996	265070	26926	11180	10512	668
	Urban	291996	265070	26926	11180	10512	668
South 24- Parganas	Total	295922	267042	28880	5047	4877	170
	Rural	202320	180620	21700	2505	2425	80
	Urban	93602	86422	7180	2542	2452	90
West Bengal	Total	3127373	2610736	516637	108539	103251	5288
	Rural	1582605	1224730	357875	43585	41775	1810
	Urban	1544768	1386006	158762	64954	61476	3478

Table 3.30 (Continued)

State/Districts	Total/Rural /Urban	Construction			Wholesale and retail trade		
		Persons	Males	Females	Persons	Males	Females
Darjeeling	Total	31775	27957	3818	65885	57358	8527
	Rural	19965	17305	2660	24745	20180	4565
	Urban	11810	10652	1158	41140	37178	3962
Jalpaiguri	Total	53712	47655	6057	132244	123365	8879
	Rural	40150	35805	4345	74690	68255	6435
	Urban	13562	11850	1712	57554	55110	2444
Coochbehar	Total	21541	20237	1304	68599	63878	4721
	Rural	18545	17475	1070	47625	43800	3825
	Urban	2996	2762	234	20974	20078	896
Uttar Dinajpur	Total	15425	14771	654	62424	58886	3538
	Rural	10725	10415	310	31980	29350	2630
	Urban	4700	4356	344	30444	29536	908
Dakshin Dinajpur	Total	8368	8101	267	40782	38011	2771
	Rural	5830	5625	205	25130	22995	2135
	Urban	2538	2476	62	15652	15016	636
Maldah	Total	48169	47078	1091	91753	84162	7591
	Rural	44625	43710	915	73105	66440	6665
	Urban	3544	3368	176	18648	17722	926
Murshidabad	Total	95357	94448	909	167705	155462	12243
	Rural	81685	80930	755	126455	115790	10665
	Urban	13672	13518	154	41250	39672	1578
Birbhum	Total	31431	29570	1861	88151	80874	7277
	Rural	24875	23640	1235	67245	61150	6095
	Urban	6556	5930	626	20906	19724	1182
Burdwan	Total	101966	95058	6908	273223	255396	17827
	Rural	38610	36480	2130	119805	109790	10015
	Urban	63356	58578	4778	153418	145606	7812
Nadia	Total	47823	46689	1134	185670	173310	12360
	Rural	30995	30495	500	111900	103060	8840
	Urban	16828	16194	634	73770	70250	3520
North 24-Parganas	Total	151030	145245	5785	487681	458008	29673
	Rural	52720	51025	1695	140735	130730	10005
	Urban	98310	94220	4090	346946	327278	19668
Hooghly	Total	69093	66896	2197	220923	206072	14851

	Rural	29925	29270	655	110705	102330	8375
	Urban	39168	37626	1542	110218	103742	6476
	Total	27765	25360	2405	84439	78018	6421
Bankura	Rural	22595	20650	1945	67125	61670	5455
	Urban	5170	4710	460	17314	16348	966
	Total	23578	21179	2399	60282	55309	4973
Purulia	Rural	20360	18285	2075	43150	39165	3985
	Urban	3218	2894	324	17132	16144	988

Table 3.30 (Continued)

State/Districts	Total/Rural /Urban	Construction			Wholesale and retail trade		
		Persons	Males	Females	Persons	Males	Females
	Total	94462	90545	3917	250201	230901	19300
Undivided Medinipur	Rural	73720	71115	2605	192415	176895	15520
	Urban	20742	19430	1312	57786	54006	3780
	Total	53713	52211	1502	215168	201589	13579
Howrah	Rural	26375	25875	500	77850	70815	7035
	Urban	27338	26336	1002	137318	130774	6544
Kolkata	Total	73194	69686	3508	407292	380682	26610
	Urban	73194	69686	3508	407292	380682	26610
	Total	94391	91726	2665	261084	236991	24093
South 24-Parganas	Rural	70905	69060	1845	199190	179335	19855
	Urban	23486	22666	820	61894	57656	4238
	Total	1042793	994412	48381	3163506	2938272	225234
West Bengal	Rural	612605	587160	25445	1533850	1401750	132100
	Urban	430188	407252	22936	1629656	1536522	93134

Table 3.30 (Continued)

State/Districts	Total/ Rural/ Urban	Hotels and restaurants			Transport, storage and communications		
		Persons	Males	Females	Persons	Males	Females
	Total	8023	6395	1628	29681	28405	1276
Darjeeling	Rural	2725	2065	660	11425	11005	420
	Urban	5298	4330	968	18256	17400	856
	Total	9869	8687	1182	67760	66255	1505
Jalpaiguri	Rural	6105	5295	810	43020	42435	585
	Urban	3764	3392	372	24740	23820	920
	Total	3974	3645	329	38221	37790	431
Coochbehar	Rural	2900	2625	275	31345	31110	235
	Urban	1074	1020	54	6876	6680	196
Uttar Dinajpur	Total	4953	4411	542	25707	25438	269
	Rural	3215	2835	380	16295	16140	155

	Urban	1738	1576	162	9412	9298	114
Dakshin Dinajpur	Total	2226	1991	235	17445	17208	237
	Rural	1430	1245	185	11345	11230	115
	Urban	796	746	50	6100	5978	122
Maldah	Total	6705	5976	729	36026	35543	483
	Rural	5145	4560	585	26260	26015	245
	Urban	1560	1416	144	9766	9528	238
Murshidabad	Total	9653	9146	507	49175	48421	754
	Rural	6235	5890	345	34375	33885	490
	Urban	3418	3256	162	14800	14536	264

Table 3.30 (Continued)

State/Districts	Total/ Rural/ Urban	Hotels and restaurants			Transport, storage and communications		
		Persons	Males	Females	Persons	Males	Females
Birbhum	Total	7161	6552	609	33961	33395	566
	Rural	5255	4820	435	24675	24285	390
	Urban	1906	1732	174	9286	9110	176
Burdwan	Total	20295	18947	1348	115353	112708	2645
	Rural	8425	7915	510	43935	43360	575
	Urban	11870	11032	838	71418	69348	2070
Nadia	Total	11677	10757	920	68056	66988	1068
	Rural	6415	5905	510	41830	41380	450
	Urban	5262	4852	410	26226	25608	618
North 24-Parganas	Total	31516	28713	2803	215749	210206	5543
	Rural	8560	7735	825	66715	66130	585
	Urban	22956	20978	1978	149034	144076	4958
Hooghly	Total	14283	13273	1010	84327	82081	2246
	Rural	6565	6195	370	39225	38585	640
	Urban	7718	7078	640	45102	43496	1606
Bankura	Total	8235	7580	655	28083	27235	848
	Rural	6535	6010	525	20165	19525	640
	Urban	1700	1570	130	7918	7710	208
Puruliya	Total	6274	6068	206	30337	28686	1651
	Rural	4990	4860	130	18095	17130	965
	Urban	1284	1208	76	12242	11556	686
Undivided Medinipur	Total	28031	25178	2853	129970	126761	3209
	Rural	21765	19690	2075	86090	85025	1065
	Urban	6266	5488	778	43880	41736	2144
Howrah	Total	16552	15672	880	95091	92450	2641
	Rural	6400	6110	290	26015	25580	435
	Urban	10152	9562	590	69076	66870	2206

Kolkata	Total	38068	35272	2796	176868	169924	6944
	Urban	38068	35272	2796	176868	169924	6944
South 24-Parganas	Total	20929	19301	1628	122624	120636	1988
	Rural	15665	14415	1250	91420	90350	1070
	Urban	5264	4886	378	31204	30286	918
West Bengal	Total	248424	227564	20860	1364434	1330130	34304
	Rural	118330	108170	10160	632230	623170	9060
	Urban	130094	119394	10700	732204	706960	25244

Table 3.30 (Continued)

State/Districts	Total/ Rural/ Urban	Financial intermediation & real estate, renting and business activities			Other categories*		
		Persons	Males	Females	Persons	Males	Females
Darjeeling	Total	49583	30111	19472	104141	77248	26893
	Rural	36895	19945	16950	49605	39180	10425
	Urban	12688	10166	2522	54536	38068	16468
Jalpaiguri	Total	41260	30584	10676	117497	81883	35614
	Rural	29810	20900	8910	72705	53905	18800
	Urban	11450	9684	1766	44792	27978	16814
Coochbehar	Total	13624	8917	4707	62511	43309	19202
	Rural	9580	5525	4055	38925	27245	11680
	Urban	4044	3392	652	23586	16064	7522
Uttar Dinajpur	Total	8178	6577	1601	51160	36014	15146
	Rural	4280	3235	1045	28450	21530	6920
	Urban	3898	3342	556	22710	14484	8226
Dakshin Dinajpur	Total	6511	4793	1718	43564	27924	15640
	Rural	4065	2745	1320	23270	15290	7980
	Urban	2446	2048	398	20294	12634	7660
Maldah	Total	13447	11223	2224	76978	58604	18374
	Rural	9195	7555	1640	58790	46600	12190
	Urban	4252	3668	584	18188	12004	6184
Murshidabad	Total	28454	22960	5494	108962	77690	31272
	Rural	19780	15310	4470	68790	49680	19110
	Urban	8674	7650	1024	40172	28010	12162
Birbhum	Total	17571	14056	3515	87479	61129	26350
	Rural	12995	9930	3065	65755	47635	18120
	Urban	4576	4126	450	21724	13494	8230
Burdwan	Total	74685	60256	14429	247296	169298	77998
	Rural	31495	23680	7815	116490	81260	35230
	Urban	43190	36576	6614	130806	88038	42768
Nadia	Total	32679	27487	5192	140590	95273	45317
	Rural	16985	13845	3140	78200	55565	22635
	Urban	15694	13642	2052	62390	39708	22682
North 24-Parganas	Total	182670	156424	26246	432418	279483	152935

	Rural	30900	23920	6980	86800	60005	26795
	Urban	151770	132504	19266	345618	219478	126140
Hooghly	Total	69559	61486	8073	192733	125860	66873
	Rural	23575	20340	3235	87335	62170	25165
	Urban	45984	41146	4838	105398	63690	41708
Bankura	Total	18332	13644	4688	98090	72361	25729
	Rural	14010	9860	4150	78450	59485	18965
	Urban	4322	3784	538	19640	12876	6764
Purulia	Total	15807	10984	4823	68376	52726	15650
	Rural	11415	7700	3715	50860	40810	10050
	Urban	4392	3284	1108	17516	11916	5600

Table 3.30 (Continued)

State/Districts	Total/ Rural/ Urban	Financial intermediation & real estate, renting and business activities			Other categories*		
		Persons	Males	Females	Persons	Males	Females
Undivided Medinipur	Total	54054	44689	9365	278419	209760	68659
	Rural	39440	31645	7795	203245	158110	45135
	Urban	14614	13044	1570	75174	51650	23524
Howrah	Total	74108	65537	8571	147717	103780	43937
	Rural	19530	16685	2845	49695	36340	13355
	Urban	54578	48852	5726	98022	67440	30582
Kolkata	Total	227480	192734	34746	420168	270796	149372
	Urban	227480	192734	34746	420168	270796	149372
South 24-Parganas	Total	76453	63840	12613	206505	137287	69218
	Rural	45215	36720	8495	142515	95815	46700
	Urban	31238	27120	4118	63990	41472	22518
West Bengal	Total	1004455	826302	178153	2884604	1980425	904179
	Rural	359165	269540	89625	1299880	950625	349255
	Urban	645290	556762	88528	1584724	1029800	554924

Note: * = Public Administration and Defence, Compulsory Social Security; Education; Health and Social Work; Other Community, Social and Personal Service Activities; Private Households with Employed Persons; Extra-Territorial Organizations and Bodies.
Source: Census of India, 2001

Table 3.31 Percentage of Main and Marginal Workers to Total Workers by Sex in Districts of West Bengal, 2001

District / State	Region	Percentage of main workers to total workers			Percentage of marginal workers to total workers		
		Persons	Males	Females	Persons	Males	Females
Darjeeling	Total	83.71	88.98	71.08	16.29	11.02	28.92
	Rural	79.86	86.24	67.49	20.14	13.76	32.51
	Urban	93.11	94.38	87.43	6.89	5.62	12.57
Jalpaiguri	Total	78.50	89.05	53.46	21.50	10.95	46.54
	Rural	76.05	87.78	51.15	23.95	12.22	48.85
	Urban	92.18	94.82	78.64	7.82	5.18	21.36
Coochbehar	Total	77.81	91.49	42.54	22.19	8.51	57.46
	Rural	76.52	91.15	40.42	23.48	8.85	59.58
	Urban	93.29	95.09	84.77	6.71	4.91	15.23

Uttar Dinajpur	Total	76.46	89.64	45.98	23.54	10.36	54.02
	Rural	74.71	88.92	44.11	25.29	11.08	55.89
	Urban	92.33	94.90	79.11	7.67	5.10	20.89
Dakshin Dinajpur	Total	76.91	90.07	46.51	23.09	9.93	53.49
	Rural	75.23	89.40	43.97	24.77	10.60	56.03
	Urban	91.71	95.23	78.84	8.29	4.77	21.16
Maldah	Total	72.10	85.01	46.47	27.90	14.99	53.53
	Rural	70.84	84.22	45.40	29.16	15.78	54.60
	Urban	92.98	95.48	81.32	7.02	4.52	18.68
Murshidabad	Total	83.16	89.70	62.41	16.84	10.30	37.59
	Rural	82.38	89.10	58.78	17.62	10.90	41.22
	Urban	87.85	93.99	76.34	12.15	6.01	23.66

Table 3.31 (Continued)

District / State	Region	Percentage of main workers to total workers			Percentage of marginal workers to total workers		
		Persons	Males	Females	Persons	Males	Females
Birbhum	Total	73.86	84.92	41.68	26.14	15.08	58.32
	Rural	72.56	84.20	39.69	27.44	15.80	60.31
	Urban	89.93	93.01	76.41	10.07	6.99	23.59
Burdwan	Total	77.41	84.82	51.05	22.59	15.18	48.95
	Rural	73.45	82.76	46.02	26.55	17.24	53.98
	Urban	86.28	88.81	71.04	13.72	11.19	28.96
Nadia	Total	86.80	93.30	59.85	13.20	6.70	40.15
	Rural	85.64	92.87	53.28	14.36	7.13	46.72
	Urban	90.88	94.93	77.72	9.12	5.07	22.28
North 24-Parganas	Total	87.84	92.17	65.49	12.16	7.83	34.51
	Rural	82.92	89.76	50.13	17.08	10.24	49.87
	Urban	92.04	94.18	80.24	7.96	5.82	19.76
Hooghly	Total	82.27	89.59	55.16	17.73	10.41	44.84
	Rural	78.32	87.67	48.86	21.68	12.33	51.14
	Urban	91.34	93.51	78.79	8.66	6.49	21.21
Bankura	Total	66.17	81.86	36.85	33.83	18.14	63.15
	Rural	64.80	80.98	35.72	35.20	19.02	64.28
	Urban	89.71	93.83	72.55	10.29	6.17	27.45
Purulia	Total	57.04	73.05	32.83	42.96	26.95	67.17
	Rural	54.87	71.24	31.84	45.13	28.76	68.16
	Urban	87.91	90.98	71.12	12.09	9.02	28.88
Undivided Medinipur	Total	67.22	79.94	35.26	32.78	20.06	64.74
	Rural	65.42	78.86	33.42	34.58	21.14	66.58
	Urban	87.72	90.22	74.40	12.28	9.78	25.60
Paschim Medinipur	Total	68.84	82.34	39.40	31.16	17.66	60.60
	Rural	66.78	81.09	37.69	33.22	18.91	62.31
	Urban	89.84	92.49	75.76	10.16	7.51	24.24
Purba Medinipur	Total	65.62	77.20	30.46	34.38	22.80	69.54
	Rural	64.30	76.49	28.65	35.70	23.51	71.35
	Urban	83.02	85.50	69.54	16.98	14.50	30.46

Howrah	Total	85.09	88.72	60.71	14.91	11.28	39.29
	Rural	79.00	84.01	50.46	21.00	15.99	49.54
	Urban	91.05	93.12	74.34	8.95	6.88	25.66
Kolkata	Total	94.50	95.62	88.47	5.50	4.38	11.53
	Urban	94.50	95.62	88.47	5.50	4.38	11.53
South 24-Parganas	Total	74.52	81.56	41.97	25.48	18.44	58.03
	Rural	72.39	80.17	38.32	27.61	19.83	61.68
	Urban	86.28	88.75	70.16	13.72	11.25	29.84
West Bengal	Total	77.98	87.07	49.37	22.02	12.93	50.63
	Rural	73.42	84.55	43.08	26.58	15.45	56.92
	Urban	91.18	93.42	79.57	8.82	6.58	20.43

Table 3.31 (Continued)

District / State	Region	Percentage of main cultivators to main workers			Percentage of marginal cultivators to marginal workers		
		Persons	Males	Females	Persons	Males	Females
Darjeeling	Total	14.36	14.04	15.33	20.99	16.94	24.70
	Rural	21.02	21.67	19.39	23.79	20.27	26.68
	Urban	0.43	0.30	1.07	1.02	0.85	1.37
Jalpaiguri	Total	20.51	22.70	11.85	21.45	17.56	23.62
	Rural	24.62	27.72	13.35	22.58	19.05	24.46
	Urban	1.55	1.61	1.15	2.12	1.60	2.76
Coochbehar	Total	38.85	41.02	26.81	33.39	29.51	34.88
	Rural	42.67	45.03	29.57	34.17	31.04	35.32
	Urban	1.08	1.17	0.62	0.73	0.87	0.51
Uttar Dinajpur	Total	32.32	34.99	20.29	21.21	22.63	20.58
	Rural	36.51	39.80	22.27	21.86	23.96	20.96
	Urban	1.50	1.63	0.72	1.73	1.19	2.42
Dakshin Dinajpur	Total	35.07	39.03	17.37	17.19	22.27	15.01
	Rural	39.79	44.26	19.74	17.81	23.51	15.44
	Urban	1.13	1.25	0.59	0.85	1.15	0.60
Maldah	Total	25.54	30.25	8.45	8.95	11.94	7.30
	Rural	27.48	32.76	8.85	9.06	12.16	7.36
	Urban	0.93	0.90	1.06	1.40	1.32	1.48
Murshidabad	Total	20.71	24.50	3.40	7.93	11.84	4.53
	Rural	24.12	27.82	4.48	8.78	12.66	5.17
	Urban	1.41	1.92	0.24	0.51	1.13	0.22
Birbhum	Total	26.42	29.03	10.94	13.65	18.51	9.99
	Rural	28.96	31.77	12.10	14.01	19.17	10.19
	Urban	1.16	1.28	0.48	1.58	1.70	1.43
Burdwan	Total	16.37	18.16	5.80	8.44	10.35	6.33
	Rural	24.21	27.40	7.33	9.68	12.81	6.73
	Urban	1.46	1.41	1.85	3.09	2.98	3.35
Nadia	Total	20.55	23.04	4.45	15.42	13.72	16.59
	Urban	1.56	1.84	0.46	0.92	1.19	0.72
	Rural	26.31	28.83	6.60	18.05	16.10	19.37

	Total	10.42	11.44	2.97	7.47	7.63	7.29
North 24-Parganas	Rural	23.21	25.13	6.67	11.24	12.45	10.04
	Urban	0.59	0.56	0.76	0.58	0.55	0.64
	Total	15.46	17.13	5.40	12.35	10.01	14.37
Hooghly	Rural	22.90	25.64	7.42	14.36	12.38	15.86
	Urban	0.81	0.82	0.70	0.84	0.80	0.92
	Total	33.30	36.94	18.18	25.39	28.79	23.56
Bankura	Rural	35.89	39.96	19.32	25.81	29.44	23.87
	Urban	1.28	1.45	0.40	0.69	1.29	0.12

Table 3.31 (Continued)

State/Districts	Region	Percentage of main cultivators to main workers			Percentage of marginal cultivators to marginal workers		
		Persons	Males	Females	Persons	Males	Females
	Total	38.00	38.11	37.62	22.76	23.90	22.08
Purulia	Rural	42.11	42.86	39.75	23.09	24.53	22.24
	Urban	1.35	1.41	0.93	5.17	3.95	7.27
	Total	30.41	32.87	16.36	23.69	24.26	23.25
Undivided Medinipur	Rural	33.63	36.43	17.92	24.26	25.19	23.56
	Urban	3.14	3.41	1.40	5.46	5.20	6.00
	Total	5.22	5.49	2.59	5.22	5.52	4.64
Howrah	Rural	10.96	11.66	4.39	7.25	7.81	6.21
	Urban	0.34	0.28	0.96	0.55	0.53	0.58
Kolkata	Total/ Urban	0.36	0.25	0.99	0.61	0.48	0.89
	Total	15.97	16.67	9.67	15.95	12.70	20.71
South 24-Parganas	Rural	19.31	20.13	11.75	17.33	14.02	21.98
	Urban	0.49	0.44	0.92	0.62	0.66	0.53
	Total	19.78	21.43	10.62	16.88	16.29	17.36
West Bengal	Rural	27.92	30.45	14.36	18.66	18.81	18.54
	Urban	0.85	0.84	0.89	1.42	1.41	1.44

Table 3.31 (Continued)

District / State	Region	Percentage of main agricultural labourers to total main workers			Percentage of marginal agricultural labourers to total marginal workers		
		Persons	Males	Females	Persons	Males	Females
	Total	6.54	6.66	6.20	29.09	27.26	30.75
Darjeeling	Rural	9.57	10.26	7.86	32.88	32.49	33.21
	Urban	0.22	0.18	0.37	2.00	2.07	1.87
	Total	13.13	12.60	15.23	34.19	27.40	37.97
Jalpaiguri	Rural	15.69	15.30	17.09	35.77	29.63	39.04
	Urban	1.36	1.25	2.00	7.05	3.60	11.33
	Total	25.19	23.16	36.44	45.48	39.82	47.64
Coochbehar	Rural	27.61	25.35	40.16	46.41	41.56	48.19
	Urban	1.28	1.30	1.17	6.40	7.39	4.90
	Total	34.44	32.19	44.56	57.32	57.05	57.44
Uttar Dinajpur	Rural	38.82	36.56	48.63	58.94	60.10	58.44
	Urban	2.22	1.86	4.46	8.94	7.86	10.30

Dakshin Dinajpur	Total	30.22	27.44	42.68	56.07	55.52	56.31
	Rural	34.16	31.02	48.24	57.73	58.29	57.50
	Urban	1.90	1.61	3.18	12.51	8.29	15.98
Maldah	Total	25.63	27.04	20.49	44.32	50.69	40.78
	Rural	27.59	29.29	21.58	44.91	51.72	41.17
	Urban	0.73	0.73	0.73	3.36	2.85	3.93
Murshidabad	Total	27.02	31.57	6.27	31.60	52.79	13.18
	Rural	31.38	35.74	8.19	34.91	56.35	15.02
	Urban	2.36	3.13	0.58	2.66	6.44	0.86

Table 3.31 (Continued)

District / State	Region	Percentage of main agricultural labourers to total main workers			Percentage of marginal agricultural labourers to total marginal workers		
		Persons	Males	Females	Persons	Males	Females
Birbhum	Total	30.16	29.33	35.07	55.88	56.35	55.53
	Rural	33.00	32.04	38.74	57.17	58.11	56.47
	Urban	1.88	1.88	1.92	12.62	11.76	13.73
Burdwan	Total	24.12	21.92	37.16	48.34	48.18	48.52
	Rural	35.72	32.99	50.13	56.56	60.46	52.88
	Urban	2.06	1.84	3.75	12.81	11.37	16.17
Nadia	Total	23.47	25.42	10.85	22.12	37.45	11.52
	Rural	29.87	31.63	16.09	25.32	43.16	13.14
	Urban	2.35	2.68	1.07	4.45	7.41	2.26
North 24-Parganas	Total	11.79	12.38	7.50	26.71	31.37	21.24
	Rural	26.12	26.96	18.91	40.10	51.02	29.34
	Urban	0.77	0.79	0.65	2.21	2.56	1.63
Hooghly	Total	19.71	17.60	32.42	45.33	50.59	40.82
	Rural	29.03	26.15	45.26	52.15	61.97	44.68
	Urban	1.38	1.21	2.52	6.17	6.36	5.84
Bankura	Total	27.91	23.53	46.12	48.95	47.02	49.98
	Rural	30.03	25.39	48.93	49.60	47.95	50.48
	Urban	1.65	1.54	2.23	10.50	7.88	12.96
Purulia	Total	18.97	15.57	30.44	59.13	52.95	62.87
	Rural	21.03	17.49	32.15	59.98	54.35	63.32
	Urban	0.68	0.65	0.92	13.75	8.92	22.02
Undivided Medinipur	Total	24.52	22.87	33.89	46.98	51.94	43.12
	Rural	26.95	25.15	37.06	47.68	53.24	43.47
	Urban	3.99	4.03	3.70	24.59	25.19	23.38
Howrah	Total	7.27	7.63	3.68	26.97	33.34	14.66
	Rural	15.09	15.93	7.12	36.76	46.00	19.78
	Urban	0.62	0.62	0.57	4.46	5.82	1.51
Kolkata	Total	0.23	0.21	0.34	0.68	0.54	0.95

	Urban	0.23	0.21	0.34	0.68	0.54	0.95
South 24-Parganas	Total	19.45	20.35	11.35	44.17	50.07	35.50
	Rural	23.39	24.44	13.80	47.44	54.48	37.52
	Urban	1.17	1.18	1.01	7.88	9.78	3.20
West Bengal	Total	19.64	19.18	22.14	43.67	46.06	41.74
	Rural	27.59	27.11	30.18	47.92	52.66	44.41
	Urban	1.13	1.11	1.23	6.63	7.00	6.02

Table 3.31 (Continued)

District/ State	Region	Percentage of household industry main workers to total main workers			Percentage of household industry marginal workers to total marginal workers		
		Persons	Males	Females	Persons	Males	Females
Darjeeling	Total	2.36	2.28	2.60	3.98	2.90	4.96
	Rural	2.44	2.53	2.23	3.76	2.66	4.65
	Urban	2.19	1.84	3.89	5.56	4.04	8.62
Jalpaiguri	Total	1.68	1.49	2.42	2.87	1.76	3.48
	Rural	1.56	1.39	2.17	2.51	1.60	2.99
	Urban	2.20	1.88	4.17	9.03	3.57	15.80
Coochbehar	Total	3.84	2.54	11.04	4.43	3.23	4.89
	Rural	3.89	2.57	11.24	4.26	3.14	4.67
	Urban	3.31	2.21	9.13	11.84	4.95	22.35
Uttar Dinajpur	Total	2.95	1.63	8.90	7.15	1.94	9.47
	Rural	2.99	1.57	9.13	6.98	1.76	9.20
	Urban	2.69	2.05	6.66	12.38	4.77	21.93
Dakshin Dinajpur	Total	4.15	2.71	10.58	6.20	2.30	7.87
	Rural	3.91	2.50	10.25	5.60	2.19	7.02
	Urban	5.87	4.27	12.92	21.94	4.17	36.59
Maldah	Total	12.66	4.24	43.22	21.97	7.99	29.74
	Rural	13.27	4.31	44.89	22.05	8.06	29.75
	Urban	4.84	3.36	12.95	16.10	4.98	28.64
Murshidabad	Total	17.64	7.38	64.38	37.78	11.01	61.05
	Rural	14.42	5.52	61.81	33.52	8.31	56.90
	Urban	35.79	20.11	71.98	75.07	46.23	88.80
Birbhum	Total	5.12	3.28	16.03	11.86	3.24	18.34
	Rural	5.34	3.41	16.90	11.76	3.20	18.10
	Urban	2.96	1.99	8.18	14.94	4.27	28.82
Burdwan	Total	4.30	3.02	11.89	7.47	2.54	12.91
	Rural	4.84	3.48	12.02	7.62	2.53	12.41
	Urban	3.29	2.19	11.55	6.80	2.56	16.65
Nadia	Total	10.38	6.92	32.76	19.85	7.00	28.73
	Rural	8.68	5.64	32.38	17.57	6.44	25.18
	Urban	16.02	11.63	33.46	32.37	9.95	48.97
North 24-Parganas	Total	3.44	2.45	10.62	11.89	4.11	21.00
	Rural	5.14	3.55	18.73	13.16	4.48	21.71
	Urban	2.14	1.58	5.76	9.55	3.57	19.26

	Total	4.10	3.06	10.30	9.63	3.02	15.31
Hooghly	Rural	4.95	3.77	11.60	9.29	2.90	14.15
	Urban	2.42	1.71	7.28	11.54	3.51	25.76
	Total	5.22	4.05	10.09	8.21	3.40	10.80
Bankura	Rural	4.90	3.73	9.64	7.97	3.31	10.45
	Urban	9.20	7.75	17.05	22.43	6.99	36.92
	Total	7.45	5.71	13.32	6.42	4.05	7.85
Purulia	Rural	8.07	6.21	13.94	6.45	4.10	7.85
	Urban	1.90	1.79	2.70	4.51	2.72	7.57

Table 3.31 (Continued)

District/ State	Region	Percentage of household industry main workers to total main workers			Percentage of household industry marginal workers to total marginal workers		
		Persons	Males	Females	Persons	Males	Females
Undivided Medinipur	Total	5.56	3.57	16.90	10.98	3.97	16.45
	Rural	5.99	3.81	18.20	11.12	4.03	16.49
	Urban	1.94	1.54	4.50	6.51	2.74	14.21
Howrah	Total	9.77	8.58	21.50	21.00	13.75	34.98
	Rural	12.47	10.46	31.53	19.21	11.46	33.44
	Urban	7.48	6.99	12.44	25.12	18.74	38.95
Kolkata	Total/ Urban	2.61	2.51	3.17	11.01	9.05	15.02
South 24-Parganas	Total	5.53	4.57	14.21	8.91	4.48	15.43
	Rural	5.49	4.32	16.27	8.79	4.23	15.21
	Urban	5.73	5.76	5.54	10.28	6.74	19.00
West Bengal	Total	6.22	3.99	18.59	11.73	4.85	17.26
	Rural	6.71	4.11	20.61	11.27	4.41	16.35
	Urban	5.08	3.72	13.34	15.67	7.46	29.39

Source: Census of India, 2001

Table 3.32 Percentage of Workers by Categories and Castes in Districts of West Bengal, 2001

District	Percentage of main workers to total workers				Percentage of marginal workers to total workers				Percentage of cultivators to total workers			
	Total	General	SC	ST	Total	General	SC	ST	Total	General	SC	ST
Darjeeling	84.1	85.3	83.0	79.5	15.9	14.7	17.0	20.5	15.5	14.7	13.4	21.6
Jalpaiguri	78.7	82.9	76.5	74.2	21.3	17.1	23.5	25.8	20.7	14.5	30.6	15.1
Coochbehar	78.0	80.0	76.3	75.2	22.0	20.0	23.7	24.8	37.4	31.0	43.2	28.6
Uttar Dinajpur	76.6	77.2	75.6	75.2	23.4	22.8	24.4	24.8	29.6	30.6	29.2	21.8
Dakshin Dinajpur	76.9	80.7	75.2	70.4	23.1	19.3	24.8	29.6	31.0	32.8	31.3	26.3
Maldah	72.1	73.0	72.2	64.6	27.9	217?	27.8	35.4	20.8	18.9	23.9	31.3
Murshidabad	83.4	83.7	82.6	75.5	16.6	16.3	17.4	24.5	18.7	20.0	11.6	8.6
Birbhum	73.7	79.1	67.1	64.8	26.3	20.9	32.9	35.2	23.1	28.8	14.3	20.5
Burdwan	77.6	83.2	69.3	66.7	24.4	16.8	38.7	33.3	14.8	19.3	7.7	7.2
Nadia	87.0	87.3	86.6	85.7	13.0	12.7	13.4	14.3	19.8	22.0	16.0	8.8
North 24-Parganas	87.8	89.5	83.6	72.5	12.2	10.5	16.4	27.5	10.1	9.0	13.9	9.1

Hooghly	82.2	85.9	75.0	70.6	17.8	14.1	25.0	29.4	14.9	17.3	10.6	6.5
Bankura	66.2	69.2	64.2	58.7	33.8	30.8	35.8	41.3	30.8	41.2	14.9	31.9
Purulia	57.3	60.3	52.9	52.2	42.7	39.7	47.1	47.8	31.3	35.2	16.6	32.1
Undivided Medinipur	67.5	69.2	65.2	59.3	32.5	30.8	34.8	40.7	28.1	31.1	21.4	18.6
Howrah	85.1	86.5	78.7	68.9	14.9	13.5	21.3	31.1	5.2	4.8	7.4	0.8
Kolkata	94.5	94.7	92.8	91.4	5.5	5.3	7.2	8.6	0.4	0.4	0.0	0.4
South 24-Parganas	74.8	76.1	73.0	61.3	25.2	23.9	27.0	38.7	16.1	14.9	18.7	13.7
West Bengal	71.8	80.9	74.0	65.7	21.9	19.1	26.0	34.3	19.2	19.3	18.6	19.5

Table 3.32(Continued)

District	Percentage of agricultural labourers to total workers				Percentage of household industry workers to total workers				Percentage of other workers to total workers			
	Total	General	SC	ST	Total	General	SC	ST	Total	General	SC	ST
Darjeeling	10.2	8.6	14.6	13.4	2.8	3.0	3.0	1.7	71.5	73.8	69.0	24.2
Jalpaiguri	17.7	12.2	26.7	12.0	2.1	2.5	2.4	0.6	59.6	70.8	40.4	63.3
Coochbehar	29.5	25.9	32.7	37.1	4.1	4.9	3.3	1.0	29.0	38.2	20.8	72.2
Uttar Dinajpur	39.7	35.0	55.1	63.1	3.7	4.2	3.3	0.8	27.1	30.2	23.4	33.3
Dakshin Dinajpur	36.2	22.8	38.0	65.0	4.9	5.8	5.7	1.6	27.9	38.7	25.0	14.3
Maldah	30.7	25.7	39.0	58.0	15.6	18.9	8.3	2.1	32.8	36.6	28.8	7.2
Murshidabad	28.0	25.7	36.7	76.6	20.4	21.7	13.8	2.0	32.9	32.6	37.8	8.6
Birbhum	36.9	20.6	57.6	61.4	6.5	9.0	3.3	2.3	33.5	41.5	24.8	12.9
Burdwan	29.9	13.9	51.9	67.8	4.9	5.9	4.0	1.8	50.4	61.0	36.4	15.8
Nadia	23.2	20.8	24.3	65.0	11.4	10.9	13.6	2.7	45.5	46.3	46.1	23.2
North 24-Parganas	13.6	10.0	20.9	55.4	4.4	4.2	5.8	1.1	71.9	76.8	59.5	23.5
Hooghly	25.3	10.4	48.7	78.4	5.2	6.1	3.8	0.7	55.6	66.2	36.9	14.4
Bankura	35.3	14.7	59.5	53.7	5.8	7.7	4.1	3.2	28.1	36.4	21.5	11.2
Purulia	36.0	27.9	47.9	49.7	7.5	8.7	5.9	5.2	25.2	28.2	29.5	12.9
Undivided	31.8	25.1	44.1	63.3	7.4	7.6	7.1	6.8	32.7	37.2	27.4	11.3
Howrah	10.2	8.8	23.3	16.4	11.5	11.3	12.8	3.9	73.1	76.2	56.4	78.9
Kolkata	0.3	0.2	1.4	0.7	3.1	3.0	4.7	0.9	96.3	96.5	93.5	98.0
South 24-Parganas	26.0	22.8	30.4	63.5	6.1	6.6	5.3	1.0	51.7	55.6	45.7	21.8
West Bengal	25.0	17.3	38.0	53.2	7.4	8.4	5.8	3.0	48.5	55.0	37.5	19.5

Source: Census of India, 2001

3.3 Economic Enterprises and Employment

Under the 5th Economic Census, a complete enumeration of entrepreneurial activities other than crop production and plantation in rural and urban areas of the country was carried out in 2005. Information was collected on various aspects of each establishment, viz. its location, description of activity, nature of operation, type of ownership, social group of owner, power/fuel used, registration status, source of finance, number of persons by gender usually working in the establishment, etc.

Relevant concepts:

Enterprise: An enterprise is an economic transactor with autonomy in respect of financial and investment decision making, as well as authority and responsibility for allocating resources for production of goods and services. It may be engaged in one or more economic activities at one or more locations.

Establishment: Establishment is defined as an enterprise or part of an enterprise that is situated in a single location in which one or predominantly one kind of economic activity is carried out. It is an economic unit under a single legal entity.

Own Account Establishments: An establishment without any hired worker on a fairly regular basis is termed as an own account establishment. It is normally run by the members of the household**.**

Establishments with hired workers: It is of two types:

1. *Directory establishment*: An establishment with hired workers employing 6 or more persons daily on fairly regular basis is termed as Directory Establishment.
2. *Non Directory establishment:* An establishment with hired workers engaging less than 6 persons daily on a fairly regular basis is termed as Non Directory establishment.

Agricultural Establishment: An agricultural establishment for the purpose of economic census was defined as one engaged in livestock production, agricultural services, hunting, trapping & game propagation, forestry, and logging, fishing (corresponding to groups 012,013,014,015,020 and 050 of NIC-2004).

Non-agricultural Establishment: Establishments engaged in economic activities other than those carried out by agricultural establishments are termed as non-agricultural establishments.

Nature of operation: If the entrepreneurial activity is carried on throughout the year more or less regularly then it is treated as perennial activity. If the activity of the establishment is confined to a particular season, the same is called a non-perennial activity or seasonal activity.

Economic enterprises and employment: Number of rural economic enterprises in 2005 was highest in Murshidabad district followed by South 24-Parganas, the lowest being registered in Darjeeling. In urban areas, the respective districts on the above were Kolkata, North 24-Parganas and Purulia and in rural areas and urban areas combined the respective districts were North 24-Parganas, South 24-Parganas and Darjeeling. Murshidabad recorded the highest number of persons employed in rural enterprises followed by South 24-Parganas. In urban areas, Kolkata registered the highest number of persons employed followed by North 24-Parganas, the smallest being registered by Dakshin Dinajpur. In rural and urban areas combined the respective districts on the above were Kolkata, North 24-Parganas and Dakshin Dinajpur. Proportion of rural enterprises to total number of enterprises was highest in Purba Mediniur district followed by Maldah district, the lowest being registered in Darjeeling district. Proportion of rural employment to total employment in these enterprises was highest in Maldah district followed by Purba Medinipur district, the lowest being registered in North 24-Parganas district. Proportion of urban enterprises to total number of enterprises was highest in Kolkata district followed by Darjeeling district, the lowest proportion being registered in Purba Medinipur district. Proportion of urban employment to total employment in these enterprises was highest in Kolkata district followed by North 24-Parganas district, the lowest being registered in Maldah district.

Hooghly recorded the highest proportion of hired workers to total workers in rural enterprises (62.57 per cent) followed by Darjeeling (51.3 per cent). In urban areas, Hooghly registered the highest proportion of hired workers (69.27 per cent) followed by Purba Medinipur (66.54 per cent), the lowest proportion being registered by Murshidabad (22.54 per cent). In rural and urban areas combined the respective districts were Hooghly (65.89 per cent), Kolkata (60.0 per cent) and Murshidabad (16.15 per cent). Murshidabad registered the highest proportion of adult female workers to total workers in rural enterprises (33.43 per cent) followed by Darjeeling (31.55 per cent). In urban areas, Murshidabad registered the highest proportion of adult female workers (29.91 per cent) followed by Darjeeling (15.67 per cent), the lowest being registered by Purulia (6.28 per cent). In rural and urban areas combined the respective districts were Murshidabad (32.61 per cent), Maldah (27.33 per cent) and Hooghly (10.22 per cent).

Growth rate of enterprises and employment: Average annual growth rate of enterprises during 1998 to 2005 in rural areas was highest in Murshidabad (8.57 per cent), followed by Maldah (7.82 per cent). In urban areas it was highest in South 24-Parganas (9.44 per cent) followed by Dakshin Dinajpur (9.12 per cent) and in rural and urban areas combined Murshidabad recorded the highest growth rate (7.91 per cent) followed by Maldah (6.75 per cent). Average annual growth rate of employment during this period in rural areas was highest

in Murshidabad (4.88 per cent), followed by Dakshin Dinajpur (4.61 per cent). In urban areas it was highest in South Dinajpur (6.01 per cent) followed by Jalpaiguri (3.33 per cent) and in rural and urban areas combined Dakshin Dinajpur recorded the highest growth rate (4.95 per cent) followed by Jalpaiguri (4.03 per cent).

Rural and urban employment: Number of persons and females usually working in non-agricultural own account rural establishments in 2005 was largest in Murshidabad followed by South 24-Parganas, the smallest number being registered in Darjeeling. In urban areas, the respective districts on the above were North 24-Parganas, Kolkata and Purulia and in rural areas and urban areas combined the respective districts on the above were North 24-Parganas, South 24-Parganas and Darjeeling (Table 3.35). Number of persons usually working in non-agricultural rural establishments was largest in Murshidabad followed by North 24-Parganas, the smallest number being registered in Darjeeling. Number of females usually working in non-agricultural rural establishments was largest in Murshidabad followed by South 24-Parganas, the smallest being registered in Darjeeling, and number of children usually working in non-agricultural rural establishments was largest in Murshidabad followed by Maldah, the smallest number being registered in Darjeeling. In urban areas, number of persons and females usually working in non-agricultural rural establishments was largest in Kolkata followed by North 24-Parganas, the smallest number being registered in Coochbehar. In rural areas and urban areas combined the respective districts on the above were Kolkata, North 24-Parganas and Uttar Dinajpur.

Number as well as percentage of hired workers in non-agricultural rural establishments was largest in Murshidabad followed by North 24-Parganas, the smallest proportion being registered in Uttar Dinajpur. In urban areas, that was largest in Kolkata followed by North 24-Parganas, the smallest proportion being registered in Uttar Dinajpur. In rural areas and urban areas combined the respective districts on the above were Kolkata, North 24-Parganas and Uttar Dinajpur (Table 3.39). Number of persons usually working in non-agricultural rural own account establishments (OAE) was largest in Murshidabad followed by South 24-Parganas, the smallest number being registered in Darjeeling and that in establishments with hired workers was largest in Murshidabad followed by North 24-Parganas, the smallest number being registered in Darjeeling and that in all rural non-agricultural establishments was largest in Murshidabad followed by South 24-Parganas, the smallest number being registered in Darjeeling. In urban areas, number of persons usually working in non-agricultural OAE was largest in North 24-Parganas followed by Kolkata, the smallest number being registered in Coochbehar and in establishments with hired workers as well as in all urban non-agricultural establishments that was largest in Kolkata followed by North 24-Parganas, the smallest number being registered in Coochbehar. In rural areas and urban areas combined number of persons usually working in non-agricultural own account establishments (OAE) was largest in Murshidabad followed by South 24-Parganas, the smallest number being registered in Coochbehar and in establishments with hired workers it was largest in Kolkata followed by North 24-Parganas, the smallest number being registered in Uttar Dinajpur.

Size of employment: Number of persons usually working in non-agricultural establishments employing persons 1-5 and 6-9 was largest in Kolkata followed by North 24-Parganas, the smallest number being in Uttar Dianjpur while for employing 10 -14 that was largest in North 24-Parganas followed by Murshidabad, the smallest number being registered in Uttar Dinajpur. And that employing persons 200-499 and 500 and above was largest in Kolkata followed by Burdwan, the smallest number being registered in Dakshin Dinajpur. In all non-agricultural establishments Kolkata recorded the largest number of workers followed by North 24-Parganas, the smallest number being registered in Uttar Dinajpur. Distribution of non-agricultural own account establishments by size class of employment shows that number of establishments employing persons 1-5 was largest in North 24-Parganas followed by Murshidabad, the smallest number being registered in Darjeeling while that employing 6-9 was largest in South 24-Parganas followed by Murshidabad, the smallest number being registered in Darjeeling and that employing 10 and above was largest in Paschim Medinipur followed by South 24-Parganas, the smallest proportion being registered by Uttar Dinajpur. Proportion of non-agricultural own account establishments employing 1-5 workers to total number of all classes of establishments was highest in Uttar Dinajpur district followed by Coochbehar district, the lowest proportion being registered in Murshidabad district. Proportion of these establishments employing 6-9 workers was highest in Murshidabad district followed by South 24-Parganas district, the lowest proportion being registered in Uttar Dinajpur district and that employing 10 workers and more was highest in Paschim Medinipur district followed by Howrah, the lowest proportion being recorded in Uttar Dinajpur and Purba Medinipur. Number of persons usually working in non-agricultural

own account establishments employing persons 1-5 and 6-9 was largest in Murshidabad followed by South 24-Parganas followed by while that employing 10 and above was largest in South 24-Parganas followed by Paschim Medinipur, the smallest being registered in Uttar Dinajpur. Proportion of non-agricultural own account establishments employing 1-5 workers to total number of all classes of establishments was highest in Uttar Dinajpur district followed by Purba Medinipur district, the lowest proportion being registered in Howrah district. Proportion of these establishments employing 6-9 workers was highest in Murshidabad district followed by South 24-Parganas district, the lowest proportion being registered in Uttar Dinajpur district and that employing 10 workers and above was highest in Howrah district followed by South 24-Parganas, the lowest proportion being recorded in Murshidabad.

Number of adult males usually working in agricultural establishments in 2005 was largest in North 24-Parganas followed by Maldah, the smallest number being registered by Kolkata. Number of child males usually working in agricultural establishments was largest in Maldah followed by Murshidabad, the smallest number being registered in Kolkata. Number of all males usually working in agricultural establishments was largest in Maldah followed by North 24-Parganas, the smallest number being registered in Kolkata. Number of adult, child and total females usually working in agricultural establishments was largest in Maldah followed by Murshidabad, the smallest number being registered in Kolkata. Number of total adults usually working in agricultural establishments was largest in Maldah followed by North 24-Parganas, the smallest number being registered in Kolkata. Number of total children usually working in agricultural establishments was largest in Maldah followed by Murshidabad, the smallest number being registered in Kolkata. Number of all persons usually working in agricultural establishments was largest in Maldah followed by North 24-Parganas, the smallest number being registered in Kolkata. Number of adult males usually working in non-agricultural establishments was largest in Kolkata followed by North 24-Parganas, the smallest number being registered in Uttar Dinajpur. Number of child males usually working in non-agricultural establishments was largest in Kolkata followed by North 24-Parganas, the smallest number being registered in Bankura. Number of all males usually working in non-agricultural establishments was largest in Kolkata followed by Burdwan, the smallest number being registered in North 24-Parganas. Number of adult females usually working in non-agricultural establishments was largest in Kolkata followed by North 24-Parganas, the smallest number being registered in Uttar Dinajpur. Number of female children usually working in non-agricultural establishments was largest in Coochbehar followed by Murshidabad, the smallest number being registered in Uttar Dinajpur. Number of total females usually working in non-agricultural establishments was largest in Kolkata followed by North 24-Parganas, the smallest number being registered in Uttar Dinajpur. Number of all adults and all children and all workers usually working in non-agricultural establishments was largest in Kolkata followed by North 24-Parganas, the smallest number being registered in Uttar Dinajpur.

Number of adult male hired workers usually working in non-agricultural establishments in 2005 was largest in North 24-Parganas followed by Burdwan, the smallest number being registered in Darjeeling. Number of male children hired workers usually working in non-agricultural establishments was largest in Murshidabad followed by South 24-Parganas, the smallest number being registered in Uttar Dinajpur. Number of all male hired workers usually working in non-agricultural establishments was largest in Murshidabad followed by North 24-Parganas, the smallest number being registered in Uttar Dinajpur. Number of adult female hired workers usually working in non-agricultural establishments was largest in Kolkata followed by North 24-Parganas, the smallest being registered in Uttar Dinajpur. Number of female children and all female hired workers usually working in non-agricultural establishments was largest in Kolkata followed by North 24-Parganas, the smallest number being registered in Uttar Dinajpur. Number of all adults and all children and all hired workers usually working in non-agricultural establishments was largest in Kolkata followed by North 24-Parganas, the smallest number being registered in Uttar Dinajpur. Number of adult male hired workers usually working in agricultural and non-agricultural establishments was largest in Maldah followed by Hooghly, the smallest being registered in Uttar Dinajpur. Number of male children hired workers usually working in non-agricultural and agricultural establishments was largest in Murshidabad followed by North 24-Parganas, the smallest being registered in Uttar Dinajpur. Number of all male hired workers usually working in non-agricultural and agricultural establishments was largest in Murshidabad followed by North 24-Parganas, the smallest being registered in North Dinajpur. Number of adult female hired workers usually working in non-agricultural and agricultural

establishments was largest in North 24-Parganas followed by Burdwan, the smallest number being registered in Birbhum. Number of female children and all female hired workers usually working in non-agricultural and agricultural establishments was largest in Kolkata followed by North 24-Parganas, the smallest being registered in Uttar Dinajpur. Number of all adult hired workers usually working in non-agricultural establishments was largest in Maldah followed by North 24-Parganas, the smallest number being registered in Kolkata. Number of all children and total hired workers usually working in non-agricultural and agricultural establishments was largest in Kolkata followed by North 24-Parganas (Table 3.33 to Table 3.46).

Table 3.33 Number of Enterprises and Persons Employed by Region (Excluding Crop Production and Plantation) in Districts of West Bengal, 2005

District	Number of enterprises			Total number employed		
	Rural	Urban	Combined	Rural	Urban	Combined
Darjeeling	30203(42.42)	41005(57.58)	71208(100)	83514(43.66)	107773(56.34)	191287(100)
Jalpaiguri	121722(76.83)	36700(23.17)	158422(100)	265628(75.00)	88538(25.00)	354166(100)
Coochbehar	99228(85.42)	16936(14.58)	116164(100)	145705(79.16	38349(20.84)	184054(100)
Uttar Dinajpur	61957(75.69)	19903(24.31)	81860(100)	99629(71.20)	40305(28.80)	139934(100)
Dakshin Dinajpur	63012(77.58)	18211(22.42)	81223(100)	101752(74.45)	34920(25.55)	136672(100)
Maldah	183648(90.08)	20232(9.92)	203880(100)	303835(87.73)	42487(12.27)	346322(100)
Murshidabad	357077(81.69)	80012(18.31)	437089(100)	569474(76.85)	171572(23.15)	741046(100)
Birbhum	107509(83.26)	21614(16.74)	129123(100)	191019(79.25)	50005(20.75)	241024(100)
Burdwan	188751(61.31)	119126(38.69)	307877(100)	361979(48.47)	384767(51.53)	746746(100)
Nadia	168056(68.81)	76181(31.19)	244237(100)	263933(62.72)	156863(37.28)	420796(100)
North 24 Parganas	229025(46.63)	262081(53.37)	491106(100)	373388(36.19)	658375(63.81)	1031763
Hooghly	151532(62.83)	89659(37.17)	241191(100)	262846(50.54)	257230(49.46)	520076(100)
Bankura	118876(87.03)	17711(12.97)	136587(100)	217491(82.86)	44990(17.17)	262481(100)
Purulia	72608(82.74)	15146(17.26)	87754(100)	141490(76.33)	43879(23.67)	185369(100)
Paschim Medinipur	206935(83.92)	39665(16.08)	246600(100)	377598(80.42)	91931(19.58)	469529(100)
Howrah	101069(47.35)	112369(52.65)	213438(100)	211881(39.58)	323425(60.42)	535306(100)
Kolkata	0	368019(100)	368019(100)	0	1592763(100)	1592763(100)
South 24 Parganas	316647(80.05)	78894(19.95)	395541(100)	538876(73.20)	197342(26.80)	736218(100)
Purba Medinipur	253273(92.31)	21096(7.69)	274369(100)	411344(85.26)	71130(14.74)	482474(100)
West Bengal	2831128(66.0)	1454560(33.9)	4285688(100)	4921382(52.8)	4396644(47.2)	9318026(100)
India	25809350 (61.27)	16314499 (38.74)	42123849 (100)	50185441 (50.71)	48782201 (49.29)	98967642 (100)

Source:Economic Census,Government of West Bengal,2005.
Note: ( ) Figures within parentheses indicate percentage share to total.

Table 3.34 Percentage of Hired Workers and Adult Female Workers by Residence to Total Workers (Excluding Crop Production and Plantation)

District	Percentage of hired workers to total workers	Percentage of adult female workers to total workers

	Rural	Urban	Combined	Rural	Urban	Combined
Darjeeling	51.13	56.34	54.07	31.55	15.67	22.6
Jalpaiguri	48.28	51.33	49.05	22.19	10.12	19.17
Coochbehar	36.13	51.61	39.36	14.37	6.92	12.82
Uttar Dinajpur	31.01	43.02	34.47	16.47	9	14.32
Dakshin Dinajpur	32.26	39.95	34.23	18.41	10.06	16.28
Maldah	20.18	46.85	23.97	29.46	12.11	27.33
Murshidabad	14.23	22.54	16.15	33.43	29.91	32.61
Birbhum	36.75	51.93	39.9	16.48	9.09	14.95

Table 3.34 (continued)

District	Percentage of hired workers to total workers			Percentage of adult female workers to total workers		
	Rural	Urban	Combined	Rural	Urban	Combined
Burdwan	41.8	65.89	54.22	15.04	7.76	11.29
Nadia	27.29	44.59	33.74	14.39	12.19	13.57
North 24 Parganas	32.97	57.44	48.59	12.17	10.68	11.22
Hooghly	62.57	69.27	65.89	12.37	8.02	10.22
Bankura	33.64	54.55	37.22	18.24	13.56	17.44
Purulia	30.37	60.66	37.54	22.54	6.28	18.7
Paschim Medinipur	30.03	55.27	34.97	24.66	10.82	21.95
Howrah	40.2	59.05	51.59	16.4	6.7	10.59
Kolkata	0	60	60	0	12.26	12.26
South 24 Parganas	25.87	48.61	31.97	17.4	9.07	15.17
Purba Medinipur	28.37	66.54	33.97	15.25	6.89	14.02
West Bengal	32.17	57.17	43.97	19.89	11.27	15.82
India	41.6	63.6	52.4	24.3	14	19.3

Source: As in Table 3.33

Table 3.35 Average Annual Growth Rate of Enterprises and Employment by Region, 1998 to 2005 (Excluding Crop Production and Plantation)

District	Growth rate of enterprises			Growth rate of employment		
	Rural	Urban	Combined	Rural	Urban	Combined
Darjeeling	4.61	3.82	4.15	(-)0.38	0.27	(-)0.02
Jalpaiguri	6.94	2.03	5.63	4.28	3.33	4.03
Cochbehar	2.88	0.46	2.5	0.65	(-)2.16	0.01
Uttar Dinajpur	3.58	3.31	3.51	1.29	0.36	1.01
Dakshin Dinajpur	5.74	9.12	6.43	4.61	6.01	4.95
Maldah	7.82	(-)0.33	6.75	3.39	(-)1.11	2.74
Murshidabad	8.57	5.32	7.91	4.88	1.33	3.97
Birbhum	3.91	3.31	3.81	1.63	0.19	1.32
Burdwan	6.07	1.07	3.9	2.05	(-)2.68	(-)0.61
Nadia	4.41	0.79	3.17	(-)1.25	(-)0.8	(-)1.08
North 24 Parganas	4.89	5.04	4.97	2.39	1.39	1.74
Hooghly	2.55	3.03	2.73	(-)0.97	(-)2.46	(-)1.73

Bankura	1.49	(-)1.62	1.04	0.09	(-)2.92	(-)0.48
Purulia	2.67	0.76	2.32	(-)1.32	(-)4.08	(-)2.03
Paschim Medinipur	2.24	0.35	2	0.31	(-)1.7	(-)0.06
Howrah	5.57	2.44	3.83	2.64	(-)5.25	(-)2.7
Kolkata	0	2.02	2.02	0	2.02	2.02
South 24 Parganas	6	9.44	6.62	2.74	1.95	2.52
Purba Medinipur	0	0	0	0	0	0
West Bengal	4.77	2.9	4.1	1.7	0	0.87
India	5.53	3.71	4.8	3.33	1.68	2.49

Source: Economic Census, Government of West Bengal, 1998 and 2005.

Table 3.36 Number of Persons Usually Working in Non-Agricultural Own Account Establishments by Location, 2005

District	Rural				Urban			
	Total employment	Females	Children	Employment rate	Total employment	Females	Children	Employment rate
Coochbehar	63657	4142	411	1.14	11095	439	26	1.16
Jalpaiguri	97607	8433	943	1.18	25431	1455	107	1.23
Darjeeling	24586	5645	331	1.38	27876	3837	194	1.25
Uttar Dinajpur	51899	8362	1136	1.21	16008	822	109	1.17
Dakshin Dinajpur.	47544	7488	799	1.22	13118	1214	91	1.19
Maldah	150739	44730	7055	1.36	16029	1170	148	1.13
Murshidabad	349346	124072	18056	1.4	100029	34581	7660	1.77
Nadia	150173	19245	1028	1.17	59194	6142	457	1.19
North 24-Parganas	176919	16328	1447	1.16	178352	12238	935	1.16
South 24-Parganas	305588	45477	11293	1.37	65178	4531	391	1.35
Kolkata	-	-	-		147768	9702	1059	1.17
Howrah	87596	14763	1962	1.41	64814	4603	828	1.34
Hooghly	73957	5642	261	1.19	50382	2602	129	1.22
Purba Medinipur	198746	23290	1715	1.24	15827	1199	105	1.23
Paschim Medinipur	173003	38436	2635	1.38	27794	1877	107	1.18
Bankura	104975	18008	1646	1.28	13055	1178	87	1.27
Purulia	76271	16974	911	1.46	10540	373	48	1.2
Burdwan	144287	15802	1360	1.19	76760	3396	644	1.18
Birbhum	87955	10546	1166	1.22	15830	795	35	1.16
West Bengal	2364848	427383	54155	1.28	935080	92154	13160	1.25

Table 3.36 (Continued)

District	Combined				District	Combined			
	Total employment	Females	Children	Employment rate		Total employment	Females	Children	Employ-ment Rate
Coochbehar	74752	4581	437	1.07	Kolkata	147768	9702	1059	1.96
Jalpaiguri	123038	9888	1050	1.11	Howrah	152410	19366	2790	1.17
Darjeeling	52462	9482	525	1.37	Hooghly	124339	8244	390	1.3

Uttar Dinajpur	67907	9184	1245	1.03	Purba Medinipur	214573	24489	1820	1.02
Dakshin Dinajpur.	60662	8702	890	1.1	Paschim Medinipur	200797	40313	2742	1.02
Maldah	166768	45900	7203	0.93	Bankura	118030	19186	1733	1
Murshidabad	449375	158653	25716	1.1	Purulia	86811	17347	959	1
Nadia	209367	25387	1485	1.21	Burdwan	221047	19198	2004	1.13
North 24-Parganas	355271	28566	2382	1.39	Birbhum	103785	11341	1201	1.03
South 24-Parganas	370766	50008	11684	0.99	West Bengal	3299928	519537	67315	1.1

*Source:*As in Table 3.33.

Table 3.37 Distribution of Non-Agricultural Own Account Establishments by Size Class of Employment in Districts of West Bengal, 2005

Districts	Number of establishments by size class of employment			
	1-5	6-9	10 & above	All classes
Coochbehar	65150 (99.71)	151 (0.23)	38 (0.06)	65339 (100)
Jalpaiguri	103038 (99.70)	225 (0.22)	80 (0.08)	103343 (100)
Darjeeling	39908 (99.60)	128 (0.32)	32 (0.08)	40068 (100)
Uttar Dinajpur	56346 (99.82)	88 (0.16)	15 (0.03)	56449 (100)
Dakshin Dinajpur.	49933 (99.68)	133 (0.27)	29 (0.06)	50095 (100)
Maldah	123835 (99.34)	771 (0.62)	48 (0.04)	124654 (100)
Murshidabad	302711 (99.05)	2789 (0.91)	112 (0.04)	305612 (100)
Nadia	177876 (99.62)	601 (0.34)	73 (0.04)	178550 (100)
North 24-Parganas	305191 (99.63)	959 (0.31)	184 (0.06)	306334 (100)
South 24-Parganas	269371 (99.12)	2096 (0.77)	305 (0.11)	271772 (100)
Kolkata	125762 (99.58)	442 (0.35)	91 (0.07)	126295 (100)_
Howrah	109470 (99.10)	834 (0.76)	155 (0.14)	110459 (100)
Hooghly	102491 (99.28)	615 (0.60)	125 (0.12)	103231 (100)
Purba Medinipur	172851 (99.66)	537 (0.31)	51 (0.03)	173439 (100)
Paschim Medinipur	148300 (99.31)	602 (0.40)	433 (0.29)	149335 (100)
Bankura	91869 (99.63)	290 (0.31)	53 (0.06)	92212 (100)
Purulia	60452 (99.19)	453 (0.74)	42 (0.07)	60947 (100)
Burdwan	185893 (99.66)	480 (0.26)	158 (0.08)	18653191 (100)
Birbhum	85752 (99.69)	211 (0.25)	52 (0.06)	86015 (100)
West Bengal	2576199 (99.44)	12405 (0.48)	2073 (0.08)	2590680 (100)

*Source:*As in Table 3.33.

Note: ( ) Figures within parentheses indicate percentage share to all classes.

Table 3.38 Number of Persons Usually Working in Non-Agricultural Own Account Establishment by Size Class of Employment, 2005

Districts	Number of workers by size class of employment			
	1-5	6-9	10 & above	All classes
Coochbehar	72730 (97.30)	1123 (1.50)	899 (1.20)	74752 (100)
Jalpaiguri	118342 (96.18)	1696 (1.38)	3000 (2.44)	123038 (100)
Darjeeling	50910 (97.04)	963 (1.84)	589 (1.12)	52462 (100)
Uttar Dinajpur	66894 (98.51)	637 (0.94)	376 (0.55)	67907 (100)
Dakshin Dinajpur.	58968 (97.21)	1039 (1.71)	655 (1.08)	60662 (100)
Maldah	160519(96.25)	5383 (3.23)	866 (0.52)	166768 (100)
Murshidabad	428320 (95.31)	18974 (4.22)	2081 (0.46)	449375 (100)
Nadia	203119 (97.02)	4479 (2.14)	1769 (0.84)	209367 (100)
North 24-Parganas	343225 (96.61)	7147 (2.01)	4899 (1.38)	355271 (100)

South 24-Parganas	344454 (92.90)	15124 (4.08)	11188 (3.02)	370766 (100)
Kolkata	141771 (95.94)	3192 (2.16)	2805 (1.90)	147768 (100)
Howrah	140953 (92.48)	6090 (4.00)	5367 (3.52)	152410 (100)
Hooghly	116029 (93.32)	4802 (3.86)	3508 (2.82)	124339 (100)
Purba Medinipur	209146 (97.47)	4006 (1.87)	1421 (0.66)	214573 (100)
Paschim Medinipur	190762 (95.00)	4387 (2.18)	5648 (2.81)	200797 (100)
Bankura	114210 (96.76)	2052 (1.74)	1768 (1.50)	118030 (100)
Purulia	82949 (95.55	3109 (3.58)	753 (0.87)	86811 (100)
Burdwan	213987 (96.81)	3530 (1.60)	3530 (1.60)	221047 (100)
Birbhum	101038 (97.35)	1572 (1.510	1175 (1.13)	103785 (100)
West Bengal	3158326 (95.71)	89305 (2.71)	52297 (1.58)	3299928 (100)

*Source:*As in Table 3.33.
Note: As in Table 3.37

Table 3.39 Employment in Non-agricultural Establishments (with hired workers) by Location in Districts of West Bengal, 2005

District	Rural			Urban			Combined		
	Total	Female	Child	Total	Female	Child	Total	Female	Child
Coochbehar	113370	26598	9138	30529	2402	1116	143899	29000	10254
Jalpaiguri	130038	25770	6871	82889	9053	1913	212927	34823	8784
Darjeeling	57788	15692	2746	96549	15363	3060	154337	31055	5806
Uttar Dinajpur	58885	9366	4433	27397	2604	676	86282	11970	5109
Dakshin Dinajpur.	78309	15258	11617	31243	3017	3192	109552	18275	14809
Maldah	150999	32177	17711	32481	4398	1203	183480	16575	18914
Murshidabad	254653	58942	22030	98152	16030	6043	352805	74972	28073
Nadia	128600	22139	9303	109957	15261	5271	238557	37400	14574
North 24-Parganas	242207	29795	14511	560518	56607	15866	802725	86402	30377
South 24-Parganas	238757	43091	14461	140059	12444	2964	378816	55535	17425
Kolkata	-	-	-	1246079	131929	36031	1246079	131929	36031
Howrah	139895	21194	9190	283447	17992	5354	423342	39186	14544
Hooghly	206231	24924	7461	217307	18110	4727	423538	43034	12188
Purba Medinipur	213860	32168	10513	59587	4020	1097	273447	36188	11610
Paschim Medinipur	157686	27079	5875	55891	5861	1050	213577	32940	6925
Bankura	115339	16995	4889	37349	4720	1469	152688	21715	6358
Purulia	98028	15616	5405	40801	3103	626	138829	18719	6031
Burdwan	236916	38641	12538	325913	26575	9402	562829	65216	21940
Birbhum	112278	20000	6644	39674	3868	602	151952	23868	7246
West Bengal	2733839	475445	175336	3515822	353357	101662	6249661	828802	276998

*Source:*As in Table 3.33.

Table 3.40 Number and Percentage Share of Hired Workers in Non-agricultural Establishments by Location in Districts of West Bengal, 2005

District	Rural		Urban		Combined	
	Number	Percentage share	Number	Percentage share	Number	Percentage Share
Coochbehar	101252	4.49	24168	0.82	125420	2.41
Jalpaiguri	110494	4.90	67196	2.28	177690	3.41
Darjeeling	50685	2.25	78622	2.67	129307	2.48

Uttar Dinajpur	48463	2.15	21401	0.73	69864	1.34
Dakshin Dinajpur.	62483	2.77	24859	0.84	87342	1.68
Maldah	123877	5.49	26866	0.91	150743	2.90
Murshidabad	210076	9.31	79714	2.70	289790	5.57
Nadia	98039	4.34	84952	2.88	182991	3.52
North 24-Parganas	197296	8.74	472949	16.04	670245	12.88
South 24-Parganas	192011	5.51	114936	3.90	306947	5.90
Kolkata	-	-	1041224	35.32	1041224	20.00
Howrah	111468	4.94	239480	8.12	350948	6.74
Hooghly	182151	8.07	194485	6.60	376636	7.24

Table 3.40 (Continued)

District	Rural		Urban		Combined	
	Number	Percentage share	Number	Percentage share	Number	Percentage share
Purba Medinipur	173180	7.67	52334	1.78	225514	4.33
Paschim Medinipur	128518	5.69	45389	1.54	173907	3.34
Bankura	97096	4.30	30677	1.04	127773	2.45
Purulia	81451	3.61	34655	1.18	116106	2.23
Burdwan	194887	8.63	281480	9.55	476.67	9.15
Birbhum	93609	4.15	32762	1.11	126371	2.43
West Bengal	2257036	100.00	2948149	100.00	5205185	100.00

Source: As in Table 3.33.

Table 3.41 Persons Working in Non-Agricultural Establishments by Type and Location in Districts of West Bengal, 2005

District Employment	Rural			Urban			Combined		
	OAE	Establishment with hired workers	Total	OAE	Establishment with hired workers	Total	OAE	Establishment with hired workers	Total
Coochbehar	63657	113370	177027	11095	30529	41624	7452	143899	218651
Jalpaiguri	97607	130038	227645	25431	82889	108320	123038	212927	335965
Darjeeling	24586	57788	82374	27876	96549	124425	52462	154337	206799
Uttar Dinajpur	51899	58885	110784	16008	27397	43405	67907	86282	154189
Dakshin Dinajpur	47544	78309	125853	13118	31243	44361	60662	109552	170214
Maldah	150739	150999	301738	16029	32481	48510	166768	183480	350248
Murshidabad	349346	254653	603999	100029	98152	198181	449375	352805	802180
Nadia	150173	128600	278773	59194	109957	169151	209367	238557	447924
North 24-Parganas	176919	242207	419126	178352	560518	738870	355271	802725	1157996
South 24-Parganas	305588	238757	544345	65178	140059	205237	370766	378816	749582
Kolkata	-	-	-	147768	1246079	1393847	147768	1246079	1393847
Howrah	87596	139895	227491	64814	283447	348261	152410	423342	575752
Hooghly	73957	206231	280188	50382	217307	267689	124339	423538	547877
Purba Medinipur	198746	213860	412606	15827	59587	75414	214573	273447	488020

Paschim Medinipur	173003	157686	330689	27794	55891	83685	200797	213577	414374
Bankura	104975	115339	220314	13055	37349	50404	118030	152688	270718
Purulia	76271	98028	174299	10540	40801	51341	86811	138829	225640
Burdwan	144287	236916	381203	76760	325913	402673	221047	562829	783876
Birbhum	87955	112278	200233	15830	39674	55504	103785	151952	255737
West Bengal	2364848	2733839	5098687	935080	3515822	4450902	3299928	6249661	9549589

Source: As in Table 3.33.

Table 3.42 Number of Persons Usually Working in Non-Agricultural Establishments with Hired Workers by Employment Size Class in Districts of West Bengal, 2005

District	Employment size										
	1-5	6-9	10-14	15-19	20-24	25-29	30-99	100-199	200-499	500 or more	All
Coochbehar	65065	14836	11160	2394	2676	1124	19969	14030	10970	1675	143899
Jalpaiguri	86607	30497	10235	4561	4139	3087	29703	16846	14145	13107	212927
Darjeeling	58455	23163	9975	4053	3738	2455	25026	15907	7740	3825	154337
Uttar Dinajpur	44786	11677	4657	2255	1750	1109	9285	4228	3735	2800	86282
Dakshin Dinajpur	54130	13571	8669	3055	2521	1448	14465	8182	2976	535	109552
Maldah	87396	21840	15271	3219	2816	1407	28988	12528	7156	2859	183480
Murshidabad	157070	48820	39634	5437	5153	2306	58773	18855	14697	2060	352805
Nadia	132751	40050	7703	5187	4504	3890	25155	8619	7107	3591	238557
North 24-Parganas	324569	122127	52365	12131	13632	8049	101938	44821	29673	93420	802725
South 24-Parganas	190475	67066	19324	7540	6049	4101	38423	14087	13455	18296	375516
Kolkata	521203	245851	28867	15390	15206	10032	87327	73641	109544	139018	1246079
Howrah	206100	81727	15429	7845	6161	4812	34137	15600	11402	40129	423342
Hooghly	206312	61633	19179	6926	6617	4260	47057	13391	8178	49985	423538
Purba Medinipur	118549	46872	23057	6147	6098	3768	36699	9521	4676	18060	273447
Paschim Medinipur	120781	27448	10447	5504	4897	3283	24620	8790	4715	3092	213577
Bankura	72211	19971	7879	4016	4445	3079	22796	9974	4855	3462	152688
Purulia	55778	18146	13819	4395	3098	2065	21819	4486	6464	8759	138829
Burdwan	218529	64617	22167	11488	10590	6970	65975	27724	36494	98272	562829
Birbhum	69566	20302	10291	5504	5184	4070	23325	8252	5458	0	151952
West Bengal	2790333	980214	330128	117047	109274	71215	715480	329482	303443	502945	6249661

Source: As in Table 3.33.

Table 3.43 Employment in Agricultural Establishments with Hired Workers by Sex and Age Group in Districts of West Bengal, 2005

District	Male			Female			Combined		
	Adult	Child	Total	Adult	Child	Total	Adult	Child	Total
Coochbehar	7631	391	8022	2669	565	3234	10300	956	11256
Jalpaiguri	6835	566	7401	2697	407	3104	9532	973	10505
Darjeeling	4174	299	4473	1232	385	1317	5406	684	6090

Uttar Dinajpur	2011	93	2104	227	81	308	2238	174	2412
Dakshin Dinajpur.	3558	432	3990	832	689	1521	4390	1121	5511
Maldah	18040	2241	20281	7819	1999	9818	25859	4240	30099
Murshidabad	11317	1162	12479	2997	954	3951	14314	2116	16430
Nadia	3035	119	3154	494	261	755	3529	380	3909
North 24-Parganas	18913	615	19528	2712	529	3241	21625	1144	22769
South 24-Parganas	15127	537	15664	1649	479	2128	16776	1016	17792
Kolkata	686	5	671	28	3	31	714	8	722
Howrah	2837	86	2923	277	45	322	3114	13	3245
Hooghly	15192	255	15447	2706	457	3163	17898	712	18610

Table 3.43 (continued)

District	Male			Female			Combined		
	Adult	Child	Total	Adult	Child	Total	Adult	Child	Total
Purba Medinipur	12146	483	12629	1583	372	1955	13729	855	14581
Paschim Medinipur	8905	397	9302	2613	204	2817	11518	601	12119
Bankura	5973	195	6168	1451	357	1808	7424	552	7976
Purulia	2944	147	3091	572	116	688	3516	263	3779
Burdwan	10172	650	10822	2506	512	3018	12678	1162	13840
Birbhum	6241	541	6782	1808	229	2037	8049	770	8819
West Bengal	155737	9214	164951	36872	8644	45516	192609	17858	210467

Source: As in Table 3.33.

Table 3.44 Employment in Non-Agricultural Establishments with Hired Workers by Gender of Workers and Age Group in Districts of West Bengal, 2005

District	Male			Female			Combined		
	Adult	Child	Total	Adult	Child	Total	Adult	Child	Total
Coochbehar	104645	4421	109066	29000	58833	34833	133645	10254	143899
Jalpaiguri	169320	4694	174014	34823	4090	38913	204143	8784	212927
Darjeeling	117476	3321	120797	31055	2485	33540	148531	5806	154337
Uttar Dinajpur	69203	3040	72243	11970	2069	14039	81173	5109	86282
Dakshin Dinajpur	76468	5477	81945	18275	9332	27607	94743	14809	109552
Maldah	127991	9058	137049	36575	9856	46431	164566	18914	183480
Murshidabad	249760	14147	263907	74972	13926	88898	324732	28073	352805
Nadia	186583	5940	192523	37400	8634	46034	223983	14574	238557
North 24-Parganas	685946	17301	70324	86402	13076	99478	772348	30377	802725
South 24-Parganas	305856	11490	317346	55535	5935	61470	361391	17425	378816
Kolkata	1078119	28187	1106306	131929	7844	139773	1210048	36031	1246079

Howrah	369612	9307	378919	39186	5237	44423	408798	14544	426642
Hooghly	368316	5176	373492	43034	7012	50046	411350	12188	423538
Purba Medinipur	225649	7206	232855	36188	4404	40592	261837	11610	273447
Paschim Medinipur	173712	4864	178576	32940	2061	35001	206652	6925	213577
Bankura	124615	2820	127435	21715	3538	25253	146330	6358	152688
Purulia	114079	3688	117767	18719	2343	21062	132798	6031	138829
Burdwan	475673	13032	488705	65216	8908	74124	540889	21940	562829
Birbhum	120838	3943	124781	23868	3303	27171	144706	7246	151952
West Bengal	5143861	157112	5300973	828802	119886	948688	5972663	276998	6249661

Source: As in Table 3.33.

Table 3.45 Number of Hired Workers in Non-Agricultural Establishments by Gender and Age Group in Districts of West Bengal, 2005

District	Male			Female			Combined		
	Adult	Child	Total	Adult	Child	Total	Adult	Child	Total
Coochbehar	70376	30876	101252	21298	2870	24168	91674	33746	125420
Jalpaiguri	82825	27669	110494	58078	9118	67196	140903	36787	177690
Darjeeling	35512	15173	50685	63381	15241	78622	98893	30414	129307
Uttar Dinajpur	38384	10079	48463	18736	2665	21401	57120	12744	69864
Dakshin Dinajpur	42405	20078	62483	20048	4811	24859	62453	24889	87342
Maldah	89065	34812	123877	22268	4598	26866	111333	39410	150743
Murshidabad	153705	56371	210076	64324	15390	79714	218029	71761	289790
Nadia	74205	23834	98039	69042	15910	84952	143247	39744	182991
North 24-Parganas	165346	31950	197296	414443	58506	472949	579789	90456	670245
South 24-Parganas	151148	40863	192011	103178	11758	114936	254326	52621	306947
Kolkata	-	-	-	914735	126489	1041224	914735	126489	1041224
Howrah	90860	20608	111468	221468	18012	239480	312328	38620	350948
Hooghly	155047	27104	182151	174828	19657	194485	329875	46761	376636
Purba Medinipur	141526	31654	173180	48252	4082	52334	189778	35736	225514
Paschim Medinipur	102723	25795	128518	39685	5704	45389	142408	31499	173907
Bankura	79150	17946	97096	25642	5035	30677	104792	22981	127773
Purulia	66807	14644	81451	31459	3196	34655	98266	17840	116106
Burdwan	155192	39695	194887	253089	28391	281480	408281	68086	476367
Birbhum	72461	21148	93609	28851	3911	32762	101312	25059	126371
West Bengal	1766737	490299	2257036	2592805	355344	2948149	4359542	845643	5205185

Source: As in Table 3.33.

Table 3.46 Number of Hired Workers in Agricultural and Non-Agricultural Establishment by Sex and Age Group, 2005

District	Male			Female			Combined		
	Adult	Child	Total	Adult	Child	Total	Adult	Child	Total
Coochbehar	10223	101252	111475	122	24168	24290	10345	125420	135765
Jalpaiguri	8198	110494	118692	434	67196	67630	8632	177690	186322
Darjeeling	3670	50685	54355	662	78622	79284	4332	129307	133639
Uttar Dinajpur	1623	48463	50086	175	21401	21576	1798	69864	71662
Dakshin Dinajpur	3665	62483	66148	344	24859	25203	4009	87342	91351
Maldah	22328	123877	146205	171	26866	27037	22499	150743	173242
Murshidabad	10299	210076	220375	1104	79714	80818	11403	289790	301193
Nadia	2346	98039	100385	507	84952	85459	2853	182991	185844

North 24-Parganas	12786	197296	210082	4313	472949	477262	17099	670245	687344
South 24-Parganas	12417	192011	204428	777	114936	115713	13194	306947	320141
Kolkata	-	-	-	598	1041224	1041822	598	1041224	1041822
Howrah	1629	111468	113097	895	239480	240375	2524	350948	353472
Hooghly	14397	182151	196548	2316	194485	196801	16713	376636	393349
Purba Medinipur	10382	173180	183562	190	52334	52524	10572	225514	236086
Paschim Medinipur	8193	128518	136711	570	45389	45959	8763	173907	182670
Bankura	5823	97096	102919	187	30677	30864	6010	127773	133783
Purulia	2781	81451	84232	300	34655	34955	3081	116106	119187
Burdwan	7018	194887	201905	2684	281480	284164	9702	47637	186069
Birbhum	5653	93609	99262	84	32762	32846	5737	126371	132108
West Bengal	143431	2257036	2400467	16433	2948149	2964582	159864	5205185	5365049

Source: As in Table 3.33.

Chapter 4

AGRICULTURE AND ALLIED DEVELOPMENT IN DISTRICTS OF WEST BENGAL

This chapter presents database on different aspects of agricultural and allied development in districts of West Bengal. It starts with database on contributions of agriculture and allied sectors to district domestic product followed by that of cropped area, agricultural production and yield, corresponding agricultural index number, factors contributing to agricultural development of districts like land reforms, irrigation, fertilizer consumption, and harvest price, cold storage and warehousing, and finally agri-allied development.

Evaluation Wing of the Directorate of Agriculture, Government of West Bengal maintains and publishes data on estimates of area and production of principal agricultural crops across districts of West Bengal and the office of the Principal Agricultural Officer maintains data on the same for individual districts. *District Statistical Handbook, Statistical Abstract and Economic Review* published by Bureau of Applied Economics and Statistics, Government of West Bengal publish regularly the relevant data. These data have been used as database of this chapter.

4.1 Contribution of Agriculture to District Domestic Product

Contribution of agriculture to State domestic product is measured by its percentage share which at both current and constant prices decreased in West Bengal from 28 per cent to 21-22 per cent during 1999-2000 to 2005-06. Estimated mandays generated in winter rice was the highest followed by summer rice in the State during 1993-94 to 2006-07 (Table 4.1 & Table 4.2).

The share of agriculture in district domestic product for the period from 1995-96 to 2004-2005 is calculated in respect of each district. Kolkata district is not considered because of its full urban nature. The contribution of agriculture to DDP is found to be highest in Coochbehar followed by Dakshin Dinajpur and Uttar Dinajpur, the lowest share being registered in Howrah. Thus from the ranking made on the basis of the share in 2004-2005, it is seen that first three ranks are occupied by North Bengal districts. During this period all the districts of West Bengal recorded decline in the share of agriculture in district domestic product (DDP) (Table 4.3).

Table 4.1 State Domestic Product (SDP) in Agriculture and Its Share to Total SDP of West Bengal, 1998-99 to 2005-06

Year	SDP at current price (Rs crores)		SDP at constant price (1999-00) (Rs crores)	
	Agricultural sector	Total	Agricultural sector	Total
1999-2000	34341.09 (27.52)	124808.33 (100)	34341.09 (27.52)	124808.33 (100)
2000-01	33350.18 (25.28)	131907.16 (100)	33864.30 (26.21)	129222.32 (100)
2001-02	35658.31 (24.78)	143910.35 (100)	37268.71 (26.88)	138639.00 (100)
2002-03	35769.20 (23.29)	153578.27 (100)	36170.47 (25.21)	143496.07 (100)
2003-04	40095.62 (23.24)	172540.17 (100)	37343.62 (24.70)	151203.97 (100)
2004-05	40397.62 (21.37)	188997.67 (100)	37588.03 (23.34)	161014.61 (100)
2005-06	43725.86 (20.58)	212453.07 (100)	38232.84 (22.08)	173047.06 (100)

Source: Government of West Bengal (2007, 2008), *State Domestic Product and District Domestic Product of West Bengal*, Bureau of Applied Economics and Statistics.
Note: Figures in the parentheses indicate percentage share to total.

Table 4.2 Estimated Mandays Generated in Agricultural Sector in West Bengal, 1993-94 to 2006-07

Crop	Mandays (million days)				
	1993-94	1998-99	2004-05	2005-06	2006-07
Autumn Rice	78.25	61.63	46.52	41.78	41.16
Winter Rice	600.72	564.01	572.10	575.8	560.27
Summer Rice	250.81	348.11	330.33	331.67	336.3
Wheat	53.71	64.31	70.02	64.18	61.36
Pulses	20.44	15.48	17.20	16.92	16.69
Oilseeds	53.23	49.31	67.31	64.35	70.34
Jute	118.80	153.02	142.29	139.73	148.72
Sugarcane	6.68	17.52	10.17	9.77	10.78
Potato	65.58	90.37	91.04	100.67	115.86
Fruits	12.04	14.55	16.96	16.86	18.71
Vegetables	57.80	92.10	101.55	107.18	103.92
Others*	42.87	52.53	61.04	58.53	67.65
Total	1360.93	1522.94	1526.89	1527.44	1551.76

* Includes Tea, Betelvine, Drugs & Narcotics, Spices, Mesta, and Cotton etc.
Source: Directorate of Agriculture, Government of West Bengal .

Table 4.3 Share of Agriculture in District Domestic Product (DDP) in Districts of West Bengal, 1995-96 to 2004-05
[At constant prices (1993-94)] (Per cent)

District	1995-96	1996-97	1997-98	1998-99	1999-20	2000-01	2001-02	2002-03	2003-04	2004-05	Rank 2004-05
Burdwan	26.59	26.83	27.18	26.72	24.89	20.43	23.26	22.87	21.49	19.71	14
Birbhum	42.94	43.34	44.75	45.4	41.85	33.83	38.91	38.31	36.91	36.61	5
Bankura	45.15	44.84	46.18	41.39	40.77	37.82	41.11	37.46	36.36	36.85	4
Purba Medinipur	34.25	35.10	35.16	32.48	21.58	28.56	31.52	23.80	21.40	19.53	15
Paschim Medinipur							-	38.32	36.24	35.60	8
Howrah	12.35	12.33	12.79	11.67	11.68	7.91	11.54	11.55	11.26	10.51	18
Hooghly	30.84	30.97	29.01	27.53	26.24	23.36	27.13	22.40	24.43	23.06	13
North 24-Parganas	19.36	18.79	19.36	19.62	18.71	14.36	17.08	15.36	14.42	13.39	17
South 24-Parganas	20.78	21.57	19.58	19.38	19.93	16.8	19.02	17.72	17.66	15.96	16
Nadia	43.82	40.58	40.81	39.46	37.66	34.07	39.71	39.30	37.54	35.44	9
Murshidabad	38.94	38.56	38.33	36.84	34.87	31.62	39.24	37.00	37.73	36.23	7
Uttar Dinajpur	46.97	47.29	46.48	45.84	44.15	40.24	42.19	44.89	45.03	41.15	3
Dakshin Dinajpur	43.57	42.28	43.65	43.44	41.49	42.84	46.87	45.42	44.55	41.69	2
Maldah	48.08	45.87	48.42	44.57	43.59	41.53	40.27	34.68	34.11	35.04	10
Jalpaiguri	38.70	38.11	39.35	37.89	38.24	33.41	38.83	38.82	37.22	36.37	6
Darjeeling	27.16	24.54	34.5	33.52	32.13	23.7	30.86	30.23	29.39	28.98	12
Coochbehar	50.77	49.99	50.37	49.38	48.07	44.26	44.16	43.02	44.87	45.92	1
Purulia	35.39	33.68	39.36	32.62	33.87	24.35	32.88	28.32	30.97	30.01	11
West Bengal	28.99	28.88	29.23	27.75	26.8	22.87	26.88	25.21	24.70	22.08	-

Source: As in Table 4.1

4.2 Cropped Area

This section presents data on proportion of cultivable area, net cropped area, gross cropped area, cropping intensity, and area under different crops across different districts of the State.

Proportion of cultivable area: Percentage of cultivable area to total area during 2004-05 was highest in Uttar Dinajpur followed by Dakshin Dinajpur, the lowest percentage being registered in South 24-Parganas district. Cultivable area per agricultural worker was highest in Darjeeling district followed by Jalpaiguri and Purulia, the lowest being registered in Hooghly district (Table 4.4).

Net Cropped Area and Gross Cropped Area and Cropping Intensity

During 1977-78 to 2007-08 West Bengal recorded decline in net cropped area but increase in gross cropped area and cropping intensity. Districts like Jalpaiguri, and Darjeeling registered increase in the net cropped area. During 2007-08 Paschim Medinipur witnessed the largest net cropped area (559 thousand hectares) followed by Burdwan (452 thousand hectares), while Howrah district recorded the smallest net cropped area (81 thousand hectares). During 1977-78 to 2007-08 this district registered decrease in gross cropped area. During 2007-08 Murshidabad district registered the largest gross cropped area (976 thousand hectares) followed by Paschim Medinipur (939 thousand hectares), while Howrah district (163 thousand hectares) recorded the smallest gross cropped area. During 1977-78 to 2007-08 all the districts excepting Darjeeling and Uttar Dinajpur recorded increase in cropping intensity. During 2007-08 Hooghly district witnessed the highest cropping intensity (246 per cent) followed by Murshidabad (245 per cent), while Purulia district recorded the lowest cropping intensity (123 per cent) (Table 4.5 to Table 4.7).

Area under Crops

During 1977-78 to 2006-07 West Bengal recorded increase in area under total rice and boro rice, but decline in area under pulses and foodgrains. Districts of the State also presented differential scenario in these crops. While Burdwan, Birbhum, Bankura. Howrah, Hooghly, South 24-Paranas, Nadia, Murshidabad, Jalpaiguri, and Purulia recorded increase in the area under rice cultivation during 1977-78 to 2007-08, districts like Purba Medinipur, North 24-Parganas Uttar Dianjpur, Dakshin Dinajpur Maldah, Jalpaiguri, Darjeeling and Coochbehar registered decrease in the same. During 2007-08 Paschim Medinipur district recorded the largest area under rice (650.2 thousand hectares) followed by Burdwan (635.8 thousand hectares), the smallest area being registered in Darjeeling (32.2 thousand hectares) while Burdwan district recorded the largest area under boro rice followed by Purba Medinipur and Paschim Medinipur, the smallest area being registered in Darjeeling. During 1977-78 to 2006-07 Purba Medinipur recorded decrease in area under boro rice while other districts experienced increase in the same. This district registered increase in area under pulses while other districts recorded decrease. During 2007-08 Murshidabad district recorded the largest area under pulses (51.5 thousand hectares) followed by Nadia (36.4 thousand hectares), the smallest area being registered in Bankura (0.3 thousand hectares). During 1977-78 to 2006-07 Burdwan, Paschim Medinipur, Howrah, Hooghly, South 24-Parganas, Uttar Dinajpur, Purulia and Murshidabad recorded increase in area under foodgrains while other districts experienced decrease in the same. During 2007-08 Paschim Medinipur district recorded the largest area under foodgrains (662.8 thousand hectares) followed by Burdwan (639.8 thousand hectares), the smallest area being registered in Darjeeling (62.6 thousand hectares). During 1977-78 to 2006-07 the whole of West Bengal and all the districts excepting Purba Medinipur and Uttar Dinajpur recorded increase in area under oilseeds. During 2006-07 Nadia district recorded the largest area under oilseeds (107.1 thousand hectares) followed by Paschim Medinipur (96.4 thousand hectares), the smallest area being registered in Darjeeling (0.5 thousand hectares). During 1977-78 to 2006-07 the whole of West Bengal and many districts recorded increase under jute. During 2006-07 Murshidabad district recorded the largest area under jute followed by Nadia. During 1977-78 to 2006-07 the whole of West Bengal and districts excepting Purba Medinipur and Dakshin Dinajpur recorded increase under potato. During 2006-07 Hooghly district recorded the largest area under potato (96.7 thousand hectares) followed by Paschim Medinipur (79.4 thousand hectares), the lowest area being registered in Purulia (1.5 thousand hectares) (Table 4.8 to Table 4.14).

During 2002-03 to 2006-07 the whole of West Bengal and many districts excepting Dakshin Dinajur recorded increase under fruits. During 2006-07 Maldah district recorded the largest area under fruits (28.8 thousand hectares) followed by Murshidabad (24.0 thousand hectares), the smallest area being registered in

Howrah (2.5 thousand hectares). During 2002-03 to 2006-07 the whole of West Bengal recorded increase under vegetables but Bankura, Purba Medinipur, Pachim Medinipur, Howrah, and Japaiguri registered decrease while other districts recorded increase in the same. During 2006-07 Murshidabad (81.2 thousand hectares) district recorded the largest area under vegetables followed by Nadia (80.2 thousand hectares), the smallest area being registered in Darjeeling (21.6 thousand hectares) (Table 4.15 and Table 4.16).

Percentage of area under different crops across districts of the State present different scenario. Percentage of area under rice varied between 78.17 in Purulia and 16.32 in Darjeeling while that under boro rice varied between 26.71 in Purba Medinipur and 0.36 in Purulia. Percentage of area under pulses varied between 5.55 in Nadia and 0.07 in Bankura while that under foodgrains varied between 85.92 in Purulia and 32.32 in Darjeelijng. Percentage of area under oilseeds varied between 15.27 in Nadia and 0.26 in Darjeeling while that under jute varied between 18.62 in Nadia and 0.00 in Purulia. Percentage of area under potato varied between 18.05 in Hooghly and 0.42 in Purulia. That under fruits varied between 6.03 in Darjeeling and 0.65 in Bankura while that under vegetables varied between 14.85 in Dakshin Dinajpur and 4.54 in Paschim Medinipur (Table 4.17).

Table 4.4 Percentage of Cultivable Area to Total Area and Cultivable Area per Agricultural Worker in Districts of West Bengal , 2004-05

Districts	Percentage of cultivable area to total area (2004-05)	Cultivable area per agricultural worker (2004-05) (hectares)	Districts	Percentage of cultivable area to total area (2004-05)	Cultivable area per agricultural worker (2004-05) (hectares)
Darjeeling	48.5	1.08	Nadia	77.88	0.44
Jalpaiguri	57.55	0.72	North 24 -Parganas	69.15	0.38
Coochbehar	77.32	0.4	South 24-Parganas	41.28	0.42
Uttar Dinajpur	88.35	0.43	Hooghly	70.37	0.35
Dakshin Dinajpur	86.41	0.47	Bankura	55.97	0.56
Maldah	76.09	0.41	Purulia	68.05	0.72
Murshidabad	76.15	0.43	Paschim Medinipur	62.14	0.51
Birbhum	74.1	0.49	Purba Medinipur	74.21	0.51
Burdwan	66.62	0.42	Howrah	64.53	0.40

Source: Statistical Abstract, Government of West Bengal

Table 4.5 Net Cropped Area in Districts of West Bengal, 1977-78 to 2007-08 (thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas	South 24 -Parganas
1977-78	495.77	351.01	367.17	851.76	NA	NA	93.09	234.62	102.89	NA	NA
1978-79	498.17	349.95	355.98	857.02	NA	NA	93.93	234.90	700.86	NA	NA
1979-80	463.12	335.90	339.16	850.63	NA	NA	95.52	231.57	680.44	NA	NA
1980-81	471.12	341.85	379.51	861.96	NA	NA	96.74	234.39	693.43	NA	NA
1981-82	494.27	336.99	363.88	872.06	NA	NA	94.51	234.90	687.44	NA	NA
1982-83	449.61	332.43	345.75	837.93	NA	NA	92.19	229.22	689.86	NA	NA
1983-84	467.85	334.78	359.61	864.71	NA	NA	93.90	231.28	678.63	NA	NA
1984-85	485.58	336.23	374.32	907.40	NA	NA	87.88	227.37	683.92	NA	NA
1985-86	462.68	332.63	390.53	901.81	N.A	N.A	89.38	226.32	NA	248.61	381.62
1986-87	460.76	317.92	374.23	881.45	NA	NA	92.31	222.55	619.10	NA	NA
1988-89	466.33	339.31	332.37	848.64	NA	NA	80.75	222.63	NA	264.95	385.84

Table 4.5 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas	South 24-Parganas
1990-91	460.25	343.39	391.22	846.34	NA	NA	84.81	221.8	NA	281.83	398.88
1994-95	473.90	310.00	379.23	837.63	NA	NA	98.49	228.95	NA	260.55	408.69
1995-96	465.69	311.52	365.66	844.65	NA	NA	85.60	227.84	NA	256.08	398.07
1996-97	467.10	316.74	364.31	841.45	NA	NA	77.40	223.22	NA	262.48	405.17
1997-98	475.67	331.11	358.27	838.77	NA	NA	75.50	225.94	NA	258.47	397.35
1998-99	466.33	339.31	332.37	848.64	NA	NA	80.75	222.63	NA	264.95	385.84
1999-00	456.75	330.62	349.52	854.26	NA	NA	88.09	225.71	NA	262.04	387.61
2000-01	477.49	337.52	344.07	874.24	377.08	497.17	87.04	230.54	NA	259.87	378.29
2001-02	472.96	320.32	383.34	859.90	373.46	486.44	80.14	225.91	NA	277.23	381.86
2002-03	469.75	326.85	357.14	849.90	304.64	545.26	83.13	223.96	NA	264.38	380.10
2003-04	466.63	311.45	348.13	862.57	297.29	565.28	47.11	225.17	NA	257.45	383.46
2004-05	457.80	320.17	338.17	849.62	297.50	552.12	84.90	219.73	NA	265.51	378.26
2005-06	454.94	319.96	335.58	845.78	294.06	551.72	81.65	218.82	N.A	260.54	370.37
2006-07	458.51	317.67	344.66	846.77	291.15	555.62	82.19	220.52	NA	259.98	372.79
2007-08	452.00	318.00	345.00	852.00	293.00	559.00	81.00	220.00	NA	259.00	372.00
Rank	2	7	5	-	9	1	18	14	-	12	4

Table 4.5 (Continued)

Year	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	323.74	425.90	462.28	NA	NA	297.64	318.79	48.17	262.07	312.54	5547.49
1978-79	322.21	428.52	453.66	NA	NA	288.89	320.25	46.15	264.51	300.11	5519.11
1979-80	322.39	428.68	462.57	NA	NA	280.52	323.05	44.67	259.87	262.98	5381.87
1980-81	320.34	426.80	468.39	NA	NA	283.89	317.67	45.73	264.44	301.89	5508.15
1981-82	321.04	427.81	467.24	NA	NA	278.84	323.17	45.59	263.28	296.22	5509.24
1982-83	316.63	415.42	463.92	NA	NA	279.16	314.44	46.03	259.21	282.79	5354.59
1983-84	318.46	422.22	464.42	NA	NA	280.40	319.50	45.39	266.73	292.93	5440.81
1984-85	316.07	424.22	473.64	NA	NA	278.60	320.58	45.34	258.30	276.06	5515.51
1985-86	316.89	414.93	456.53	NA	NA	287.74	262.98	128.06	245.98	336.70	5474.39
1986-87	311.94	404.83	461.25	NA	NA	261.86	259.32	136.92	285.50	335.75	5405.89
1988-89	300.87	408.32	447.16	NA	NA	286.57	322.93	141.67	248.07	383.84	5440.25
1990-91	287.2	404.57	424.31	NA	NA	254.55	341.33	137.56	247.49	336.89	5463.42
1994-95	300.26	407.65	449.30	NA	NA	286.12	321.53	143.40	248.89	329.00	5463.59
1995-96	297.80	407.19	453.96	NA	NA	283.52	321.51	145.83	259.01	337.99	5461.92
1996-97	294.46	407.15	447.62	NA	NA	284.80	324.13	144.70	246.70	350.28	5463.13

Table 4.5 (Continued)

Year	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1997-98	293.15	408.30	443.99	NA	NA	286.59	322.83	144.71	249.09	353.32	5465.06
1998-99	300.87	408.32	447.16	257.35	189.81	286.57	322.93	141.67	248.07	343.84	5440.25
1999-00	309.33	418.00	452.93	260.54	192.39	281.28	333.16	147.99	246.12	328.13	5471.71
2000-01	298.50	393.04	463.87	273.41	190.46	222.91	336.51	136.88	264.92	311.69	5417.38
2001-02	306.86	406.45	464.26	272.51	191.75	223.11	366.92	146.46	270.03	335.83	5521.58
2002-03	380.10	406.46	469.82	275.21	194.61	228.48	329.84	143.11	253.54	256.94	5354.20
2003-04	383.46	403.82	465.80	272.58	193.22	232.26	337.46	143.00	257.00	339.14	5427.67
2004-05	378.26	404.57	458.18	269.60	188.58	227.60	340.00	143.86	254.16	331.79	5374.70
2005-06	291.99	401.37	458.18	270.23	187.95	221.54	336.64	141.77	246.94	308.64	5294.70
2006-07	290.00	402.30	452.63	277.60	175.03	211.40	335.73	142.36	248.27	310.24	5296.00
2007-08	289.00	399.00	462.00	277.00	185.00	210.00	335.00	141.00	248.00	313.00	5296.00
Rank	10	3	-	11	16	15	6	17	13	8	

Source: Govt. of West Bengal, Directorate of Agriculture (2006, 2007, 2008)
Note: NA= Not applicable.

Table 4.6 Gross Cropped Area in Districts of West Bengal, 1980-81 to 2007-08 (thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24 -Parganas	South 24 -Parganas
1980-81	683.70	450.00	447.00	1074.90	NA	NA	129.20	371.50	431.20	449.10
1985-86	707.25	444.60	460.31	1144.53	NA	NA	150.82	395.05	447.99	470.16
1988-89	882.63	514.32	500.64	1369.49	NA	NA	170.86	489.73	545.95	549.52
1990-91	745.04	494.63	542.18	1271.92	NA	NA	172.04	450.24	459.71	508.73
1995-96	771.83	490.33	539.54	1392.59	NA	NA	157.37	491.76	460.53	508.12
1997-98	846.57	474.08	550.80	1387.91	NA	NA	176.41	495.95	513.01	533.73
1998-99	882.63	514.32	500.64	1369.49	NA	NA	170.86	489.73	545.95	549.52
1999-00	872.84	515.51	523.17	1418.99	NA	NA	181.66	495.86	548.09	571.84
2000-01	788.68	458.67	499.24	1438.55	NA	NA	165.34	396.38	513.69	538.79
2001-02	874.76	533.68	539.23	1418.20	639.56	778.64	167.41	518.92	579.23	543.02
2002-03	859.77	537.28	427.46	1386.90	486.06	900.84	176.50	517.58	506.80	539.76
2003-04	865.08	516.71	441.20	1429.33	515.12	914.21	190.04	524.15	481.85	562.73
2004-05	837.14	532.99	460.51	1436.47	513.90	922.57	182.79	520.66	471.77	505.30
2005-06	825.03	514.49	493.85	1447.18	515.30	931.88	170.99	528.67	495.91	507.60
2006-07	852.18	549.73	551.04	1519.27	552.56	966.71	164.02	535.78	516.21	539.09
2007-08	832.00	561.00	566.00	1461.00	522.00	939.00	163.00	541.00	520.00	531.00
Rank	3	7	5	-	11	2	18	9	12	10

Table 4.6 (Continued)

Year	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1980-81	535.30	677.20	709.20	NA	NA	396.20	435.70	141.60	417.80	312.00	7661.60
1985-86	575.49	713.36	730.74	NA	NA	401.59	468.62	138.44	431.87	356.34	8037.16
1988-89	731.36	840.50	757.64	NA	NA	437.28	493.99	178.13	497.58	350.02	9309.64
1990-91	659.81	741.55	681.77	NA	NA	488.53	463.09	171.94	454.8	357.3	8662.28
1995-96	702.25	773.80	723.43	NA	NA	461.19	461.90	173.81	494.56	369.53	8972.54
1997-98	735.33	800.87	726.60	NA	NA	439.32	485.45	178.46	502.41	386.13	9233.03
1998-99	731.36	840.50	757.64	467.24	290.40	437.28	493.99	178.13	497.58	350.02	9309.64
1999-00	769.12	879.05	784.69	486.43	298.26	440.13	510.92	173.67	498.57	361.24	9545.06
2000-01	721.63	754.94	800.20	501.04	299.16	459.56	560.74	186.34	508.43	325.42	9116.60
2001-02	851.76	914.59	812.28	512.10	300.18	444.39	552.96	175.45	496.70	356.23	9778.81
2002-03	858.40	927.37	812.28	513.78	298.50	445.69	577.64	176.71	474.91	285.37	9510.42
2003-04	820.45	972.04	841.21	532.93	308.28	449.41	549.57	176.24	484.21	357.10	9661.32
2004-05	758.13	958.22	813.43	501.96	311.47	456.66	563.76	176.20	494.28	354.62	9522.93
2005-06	730.46	937.78	797.21	497.34	299.87	439.82	561.80	239.77	512.38	329.64	9532.61
2006-07	701.34	946.79	773.51	470.49	303.02	396.83	550.46	192.46	486.87	358.95	9634.54
2007-08	698.00	976.00	819.00	497.00	322.00	391.00	564.00	196.00	547.00	385.00	9751.00
Rank	4	1	-	13	16	14	6	17	8	15	

Source and Note: As in Table 4.5

Table 4.7 Cropping Intensity in Districts of West Bengal, 1980-81 to 2007-08 (Per cent)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24 -Parganas	South 24 -Parganas
1980-81	145.12	131.64	117.78	124.70	NA	NA	133.55	158.50	127.00	-
1985-86	147.09	132.29	124.53	133.47	NA	NA	161.53	171.54	180.00	123.00
1988-89	189.27	151.58	150.63	161.37	NA	NA	211.59	219.97	-	142.42
1990-91	161.88	144.04	138.59	150.28	NA	NA	202.85	202.99	163.12	127.54
1995-96	165.74	157.40	147.55	164.87	NA	NA	183.84	215.84	179.84	127.65
1997-98	177.97	143.18	153.74	165.47	NA	NA	233.66	219.51	198.48	134.32
1998-99	189.27	151.58	150.63	161.37	NA	NA	211.59	219.97	206.06	142.42
1999-00	191.10	155.92	149.68	166.11	NA	NA	206.22	219.69	209.16	147.53
2000-01	165.08	135.89	145.10	164.55	NA	NA	189.84	171.94	198.00	142.00
2001-02	184.95	166.61	140.67	NA	171.25	160.07	210.14	229.70	209.00	142.00
2002-03	183.03	164.38	119.69	NA	159.55	165.21	212.32	231.10	192.00	142.00
2003-04	185.39	165.90	126.73	NA	173.27	161.73	208.00	232.78	187.00	147.00
2004-05	182.86	166.47	136.18	NA	176.10	167.10	215.30	236.95	178.00	134.00
2005-06	181.35	160.80	147.16	NA	175.24	168.90	209.42	241.60	190.34	137.05
2006-07	185.86	173.05	159.88	NA	189.78	173.99	199.57	242.96	198.56	144.61
2007-08	184.00	176.00	164.00	NA	178.00	168.00	202.00	246.00	201.00	143.00
Rank	8	11	15	-	10	14	5	1	6	16
AGR	0.99	1.25	1.45	1.60	0.66	0.83	1.90	2.04	2.16	0.63

Table 4.7 (Continued)

Year	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1980-81	167.10	158.67	151.41	NA	NA	139.61	137.15	309.64	157.99	103.35	139.10
1985-86	183.77	168.81	156.98	NA	NA	136.15	203.06	365.47	176.29	120.45	147.00
1988-89	243.08	205.84	169.43	NA	NA	152.59	152.97	125.74	200.58	91.19	171.13
1990-91	229.74	183.29	160.68	NA	NA	191.92	135.67	124.99	183.77	106.06	158.55
1995-96	235.81	190.03	159.36	NA	NA	162.67	143.67	119.76	190.94	109.33	164.27
1997-98	250.84	196.15	163.65	NA	NA	153.29	150.37	123.32	201.70	109.29	168.95
1998-99	243.08	205.84	NA	181.56	153.00	152.59	152.97	125.74	200.58	101.80	171.13
1999-00	248.64	210.30	NA	186.70	155.03	156.47	153.36	117.35	202.57	110.09	174.44
2000-01	242.00	192.00	NA	183.00	157.00	206.16	166.63	136.13	191.92	104.41	168.28
2001-02	278.00	225.00	NA	188.00	157.00	199.18	150.70	119.79	183.94	106.07	177.10
2002-03	276.00	228.00	NA	187.00	153.00	195.07	175.13	123.48	187.31	111.06	177.63
2003-04	267.00	241.00	NA	196.00	160.00	193.49	162.85	123.24	188.41	105.30	178.00
2004-05	253.00	237.00	NA	186.00	165.00	200.64	165.81	122.48	194.48	106.88	177.18
2005-06	250.16	233.65	NA	184.04	159.55	198.53	166.89	169.12	207.49	106.80	180.04
2006-07	241.84	235.35	NA	169.48	173.12	187.71	163.96	135.19	196.11	115.70	181.92
2007-08	241.00	245.00	NA	179.00	175.00	186.00	169.00	139.00	220.00	123.00	184.00
Rank	3	2	-	9	12	7	13	17	4	18	
AGR	1.64	2.02	1.35	-0.14	1.44	1.23	0.86	-2.04	1.45	0.70	1.20

AGR= Annual Growth Rate (%)
Source and Note: As in Table 4.5

Table 4.8 Area under Rice in Districts of West Bengal, 1977-78 to 2007-08 (thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North24 -Parganas
1977-78	535.6	367.1	391.3	939.3	NA	NA	95.4	237.9	657.3	NA
1978-79	448.3	325.2	362.1	884.4	NA	NA	98.6	256.1	612.9	NA
1979-80	459.8	335.8	324.9	890.6	NA	NA	89.7	216.4	635.0	NA
1980-81	549.4	356.6	380.9	903.3	NA	NA	90.3	253.2	639.8	NA
1981-82	493.0	335.6	363.8	898.3	NA	NA	94.5	242.6	642.4	NA
1982-83	436.7	308.1	319.1	900.0	NA	NA	88.4	214.0	657.7	NA
1983-84	536.7	344.5	359.3	977.9	NA	NA	109.0	259.1	694.1	NA
1984-85	545.8	346.4	375.7	907.5	NA	NA	83.2	223.2	649.8	NA
1985-86	538.9	335.9	380.3	925.3	NA	NA	103.5	242.5	640.9	NA
1986-87	524.0	309.9	360.5	958.5	NA	NA	115.7	230.1	648.6	NA
1987-88	563.5	346.8	365.4	957.5	NA	NA	114.4	256.6	NA	295.9
1988-89	542.1	353.5	386.7	964.4	NA	NA	118.0	262.6	NA	291.5
1989-90	545.8	351.6	407.1	967.3	NA	NA	114.2	255.7	NA	294.1
1990-91	560.6	376.7	434.8	1024.9	NA	NA	133.1	275.3	NA	287.4
1991-92	560.4	335.2	413.9	1065.5	NA	NA	133.3	271.8	NA	289.9
1992-93	543.6	335.6	414.7	1022.2	NA	NA	133.3	262.1	NA	294.3
1993-94	605.8	371.2	418.5	1067.0	NA	NA	140.7	284.1	NA	299.2

Table 4.8 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North24 -Parganas
1994-95	605.5	352.5	420.5	1065.0	NA	NA	118.8	287.7	NA	288.2
1995-96	615.4	389.4	437.5	1080.4	NA	NA	120.3	301.4	NA	292.7
1996-97	626.3	350.4	421.4	1089.4	NA	NA	116.2	259.5	NA	289.9
1997-98	653.6	368.5	437.3	1070.9	NA	NA	124.8	292.1	NA	306.3
1998-99	700.7	399.3	386.0	1045.9	NA	NA	124.2	290.9	NA	335.4
1999-00	678.4	394.1	412.1	1106.6	497.0	609.6	134.1	311.8	NA	331.2
2000-01	582.6	318.2	395.6	1108.5	528.3	580.2	113.3	199.3	NA	273.9
2001-02	660.1	394.1	436.5	1076.6	510.6	566.0	122.6	311.1	NA	331.5
2002-03	647.5	401.5	320.4	1044.9	402.7	642.2	131.3	304.7	NA	287.4
2003-04	655.5	376.3	320.5	1073.7	422.3	651.4	141.4	298.2	NA	267.5
2004-05	634.2	387.9	346.8	1071.5	416.2	655.3	133.0	304.0	NA	265.2
2005-06	639.0	368.5	386.9	1068.8	414.8	654.0	125.5	310.3	NA	277.1
2006-07	642.8	383.4	406.9	1122.6	430.2	692.4	116.8	299.2	NA	278.0
2007-08	635.8	394	416.8	1046.6	396.4	650.2	117.8	301.8	NA	273.6
Rank	2	6	3	-	5	1	17	9	-	12
AGR	0.62	0.24	0.22	0.38	-2.25	0.74	0.78	0.90	-0.15	-0.38

Table 4.8 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	223.8	316.0	478.0	NA	NA	258.0	298.8	44.7	306.2	275.3	5424.7
1978-79	NA	195.0	211.7	385.8	NA	NA	211.8	230.2	36.8	260.8	245.7	4765.4
1979-80	NA	211.2	315.5	432.9	NA	NA	211.1	257.7	42.1	261.2	220.8	4904.7
1980-81	NA	208.4	302.6	457.3	NA	NA	202.9	264.7	43.1	272.7	251.0	5176.2
1981-82	NA	230.6	336.6	488.2	NA	NA	223.2	277.7	42.8	294.5	246.2	5210.0
1982-83	NA	207.5	287.2	439.6	NA	NA	216.1	251.8	40.9	285.5	208.9	4861.5
1983-84	NA	232.2	331.7	468.7	NA	NA	221.6	272.1	44.3	286.6	234.8	5372.6
1984-85	NA	211.8	303.2	461.6	NA	NA	213.8	279.8	44.0	297.0	261.7	5198.5
1985-86	NA	183.2	275.1	429.3	NA	NA	201.2	254.0	41.2	279.2	248.2	5078.7
1986-87	NA	263.6	301.9	472.0	NA	NA	250.1	279.2	49.3	324.2	288.4	5376.0
1987-88	384.7	271.3	356.8	465.1	NA	NA	251.4	261.2	48.0	274.4	262.6	5475.6
1988-89	410.6	262.3	366.2	487.1	NA	NA	257.4	270.9	52.9	338.5	257.3	5622.0
1989-90	411.9	283.4	348.6	465.5	NA	NA	246.1	268.9	62.1	320.1	271.9	5614.3
1990-91	417.9	285.0	353.9	477.8	NA	NA	263.8	275.4	55.3	305.7	285.3	5812.9
1991-92	424.1	258.8	338.8	463.1	NA	NA	248.9	262.4	47.8	314.4	291.0	5719.3
1992-93	424.7	280.1	360.2	473.4	NA	NA	236.8	264.0	45.2	315.4	289.0	5694.6
1993-94	434.8	291.6	357.2	466.8	NA	NA	242.3	253.1	43.9	305.1	294.2	5875.5
1994-95	437.2	288.3	345.8	465.7	NA	NA	241.0	241.5	45.0	274.0	296.0	5772.7
1995-96	424.9	299.9	341.2	486.3	NA	NA	270.2	252.4	39.6	301.3	300.5	5953.4
1996-97	426.1	289.4	337.0	480.9	NA	NA	231.0	248.1	36.6	293.8	304.6	5800.6

Table 4.8 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1997-98	430.3	304.0	345.3	459.0	NA	NA	231.8	244.8	35.5	273.7	322.4	5900.3
1998-99	448.3	305.1	363.0	481.0	NA	NA	227.5	246.2	36.4	282.4	231.8	5904.1
1999-00	456.0	319.8	388.1	501.8	284.4	217.4	230.7	257.8	35.7	292.2	300.0	6150.4
2000-01	425.9	229.2	224.1	493.9	283.2	210.7	221.7	260.8	34.2	291.9	262.2	5435.3
2001-02	429.7	341.6	395.1	490.9	279.6	211.3	213.3	256.1	36.0	279.2	294.7	6069.1
2002-03	433.8	341.7	406.7	492.5	284.0	208.5	214.0	275.2	36.6	273.1	230.2	5842.1
2003-04	447.4	309.7	403.4	508.0	295.6	212.4	208.6	240.2	35.3	276.3	294.6	5856.6
2004-05	397.3	286.1	410.7	485.6	269.2	216.4	217.3	250.1	35.0	269.3	289.6	5783.6
2005-06	395.9	265.4	404.2	491.8	280.1	211.7	218.6	248.5	34.5	280.5	266.9	5782.9
2006-07	415.0	250.3	395.1	441.4	256.3	185.1	154.2	229.7	31.4	239.5	280.6	5687.0
2007-08	392.5	240.7	398.4	479.0	281.1	197.9	147.3	236.1	32.2	293.5	313.7	5719.8
Rank	7	13	4	-	11	15	16	14	18	10	8	-
AGR	0.10	0.25	0.87	0.01	-0.15	-1.12	-1.43	-0.70	-0.93	-0.14	0.46	0.18

Source and *Note:* As in Table 4.7

Table 4.9 Area under Boro Rice in Districts of West Bengal, 1977-78 to 2006-07 (thousand hectares)

Year	Burdwan	Birbhum	Bankura	Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	65.8	23.2	4.4	52.4	NA	NA	8.5	44.8	37.7	NA
1978-79	99.9	27.8	11.2	78.9	NA	NA	20.1	63.4	48.1	NA
1979-80	30.6	9.5	1.8	52.5	NA	NA	10.7	29.9	42.1	NA
1980-81	93.9	23.7	5.6	47.8	NA	NA	6.4	56.9	34.3	NA
1981-82	33.9	8.0	4.7	64.0	NA	NA	9.1	41.3	44.4	NA
1982-83	36.4	8.3	5.6	84.7	NA	NA	13.6	42.2	68.2	NA
1983-84	89.7	20.1	12.4	113.9	NA	NA	22.6	58.5	82.0	NA
1984-85	90.5	13.4	6.7	97.6	NA	NA	20.1	43.6	67.3	NA
1985-86	97.5	18.7	14.5	104.1	NA	NA	23.2	49.7	64.6	NA
1986-87	105.7	42.7	26.2	147.2	NA	NA	25.5	48.6	91.0	NA
1987-88	141.0	28.0	24.2	149.2	NA	NA	37.8	60.6	NA	64.8
1988-89	108.4	29.7	14.4	133.9	NA	NA	34.8	57.9	NA	74.5
1989-90	109.4	33.9	31.5	135.8	NA	NA	34.5	50.3	NA	75.8
1990-91	118.9	37.1	41.4	196.7	NA	NA	46.0	69.1	NA	77.1
1991-92	126.7	27.3	36.1	208.3	NA	NA	54.6	68.5	NA	79.7
1992-93	94.2	20.6	38.9	187.6	NA	NA	54.6	51.5	NA	81.3
1993-94	158.0	57.2	43.4	216.0	NA	NA	52.5	77.8	NA	85.0
1994-95	160.5	34.4	44.5	217.0	NA	NA	44.7	88.4	NA	82.9
1995-96	176.9	66.9	56.9	223.5	NA	NA	46.1	97.5	NA	90.0
1996-97	170.1	31.3	28.2	227.8	NA	NA	44.8	65.7	NA	89.2
1997-98	201.1	50.2	44.6	241.9	NA	NA	49.4	91.8	NA	98.1
1998-99	249.5	77.5	77.8	279.4	NA	NA	49.3	94.2	NA	112.0
1999-00	229.0	77.6	46.5	286.5	161.5	125.0	58.3	112.0	NA	125.5

Table 4.9 (Continued)

Year	Burdwan	Birbhum	Bankura	Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
2000-01	219.7	51.4	39.3	267.9	168.7	99.2	48.4	88.9	NA	109.1
2001-02	218.5	79.6	57.1	239.6	150.9	88.7	47.4	108.2	NA	100.2
2002-03	216.2	79.5	37.9	233.5	123.5	110.0	53.4	98.2	NA	88.7
2003-04	215.5	70.6	35.3	254.7	137.6	117.1	55.3	94.8	NA	83.8
2004-05	200.4	74.0	39.6	259.9	138.2	121.7	49.1	103.4	NA	89.3
2005-06	207.2	48.8	55.1	262.4	140.5	121.9	50.9	107.7	NA	96.7
2006-07	209.8	64.5	50.4	285.5	147.6	137.9	39.3	96.3	NA	89.7
Rank	1	11	12	-	2	3	14	6	-	7
AGR	7.55	6.14	36.05	15.34	-1.23	1.47	12.49	3.96	15.71	2.02

Table 4.9 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	20.9	15.3	6.6	NA	NA	27.7	-	-	0.8	0.6	308.7
1978-79	NA	28.9	25.1	8.0	NA	NA	28.6	-	-	1.0	0.9	441.9
1979-80	NA	26.4	18.6	5.3	NA	NA	24.9	-	-	1.1	0.4	253.8
1980-81	NA	26.9	22.6	5.9	NA	NA	22.1	0.1	-	0.1	0.2	346.5
1981-82	NA	36.1	26.1	9.0	NA	NA	21.7	-	-	0.1	0.4	298.8
1982-83	NA	31.0	22.0	7.6	NA	NA	22.2	0.1	-	0.4	N.A	342.6
1983-84	NA	48.9	33.1	13.8	NA	NA	24.7	0.1	-	0.2	0.3	520.3
1984-85	NA	52.5	33.3	13.0	NA	NA	31.0	0.2	-	0.2	1.3	470.7
1985-86	NA	57.0	37.2	14.8	NA	NA	30.3	0.1	-	0.4	0.2	512.3
1986-87	NA	70.4	43.6	26.0	NA	NA	48.7	0.5	-	2.2	1.1	679.4
1987-88	33.5	82.2	59.7	46.7	NA	NA	56.9	1.4	-	5.2	1.1	792.2
1988-89	34.6	65.5	58.8	43.2	NA	NA	54.9	0.6	-	8.7	0.5	720.5
1989-90	35.3	86.6	55.8	66.9	NA	NA	51.5	0.6	-	9.2	1.2	756.9
1990-91	39.4	94.1	55.5	53.7	NA	NA	55.9	0.7	0.2	7.7	2.9	896.1
1991-92	48.0	95.7	59.9	54.4	NA	NA	61.5	1.6	-	9.7	2.4	934.4
1992-93	47.9	97.6	59.0	61.2	NA	NA	54.2	1.8	0.1	11.0	1.2	860.7
1993-94	50.5	97.0	63.6	61.6	NA	NA	61.6	0.2	0.4	10.8	2.3	1045.0
1994-95	51.0	102.7	68.0	70.0	NA	NA	62.9	2.8	0.2	11.7	1.6	1043.3
1995-96	51.9	106.8	74.8	82.2	NA	NA	63.3	3.3	0.1	17.3	2.6	1160.1
1996-97	51.6	102.7	77.8	80.2	60.5	19.7	65.4	3.7	0.1	16.6	1.1	1056.4
1997-98	54.7	121.3	82.8	82.2	64.5	17.7	68.0	4.4	0.1	16.3	3.0	1206.9
1998-99	80.9	125.2	133.7	129.5	93.2	36.3	71.5	6.6	0.4	29.5	3.6	1450.5
1999-00	27.0	133.7	100.1	129.5	93.2	36.3	71.5	6.6	0.4	29.5	3.6	1474.3
2000-01	83.5	147.7	108.5	129.8	92.4	37.4	71.0	6.7	0.5	28.4	1.0	1401.8
2001-02	82.3	156.1	112.5	131.3	93.7	37.6	70.6	21.2	1.0	28.2	1.2	1455.0
2002-03	76.1	158.9	115.2	132.5	95.7	36.8	65.1	20.9	1.6	27.7	0.7	1406.1
2003-04	77.3	118.8	130.9	136.5	98.6	37.9	62.7	15.1	1.2	35.8	1.8	1390.1

Table 4.9 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
2004-05	55.9	109.9	140.4	128.7	88.5	40.2	64.7	19.8	1.2	38.8	1.3	1376.4
2005-06	54.7	107.5	137.7	130.7	89.3	41.4	67.5	19.3	1.3	33.2	1.2	1381.9
2006-07	76.9	101.1	137.3	131.5	89.2	42.3	67.6	18.3	1.5	30.0	1.3	1401.2
Rank	9	5	4	-	8	13	10	16	17	15	11	
AGR	6.82	13.23	27.50	65.26	4.74	11.47	4.97	700.00	40.63	125.86	4.02	12.20

Source and *Note:* As in Table 4.7

Table 4.10 Area under Total Pulses in Districts of West Bengal, 1977-78 to 2007-08 (Thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	25.6	36.5	10.6	59.7	NA	NA	12.2	7.9	43.8	NA
1978-79	21.0	30.9	11.5	60.7	NA	NA	12.4	8.8	64.4	NA
1979-80	20.4	30.8	7.8	55.1	NA	NA	12.5	10.8	55.8	NA
1980-81	17.0	28.9	7.9	55.6	NA	NA	15.6	8.4	50.0	NA
1981-82	11.3	17.5	7.5	43.7	NA	NA	6.5	7.5	31.6	NA
1982-83	9.3	20.2	6.0	24.7	NA	NA	7.1	7.0	25.9	NA
1983-84	10.1	19.9	6.0	32.3	NA	NA	11.2	7.2	31.9	NA
1984-85	11.6	18.7	5.1	38.9	NA	NA	12.9	7.4	36.9	NA
1985-86	13.2	20.4	6.2	41.9	NA	NA	15.0	6.4	44.2	NA
1986-87	9.0	10.4	6.1	22.8	NA	NA	8.0	1.2	24.6	NA
1987-88	4.7	22.4	5.5	33.7	NA	NA	6.2	1.6	NA	16.2
1988-89	6.4	10.2	4.4	18.9	NA	NA	3.5	2.0	NA	7.6
1989-90	5.5	9.9	3.3	27.5	NA	NA	5.6	3.0	NA	17.8
1990-91	2.8	8.6	2.7	22.2	NA	NA	4.5	0.8	NA	15.6
1991-92	1.6	9.8	3.7	20.9	NA	NA	1.9	0.6	NA	12.7
1992-93	1.4	8.1	3.5	19.0	NA	NA	1.5	0.5	NA	12.2
1993-94	1.7	9.9	2.6	19.4	NA	NA	1.5	0.4	NA	12.3
1994-95	2.1	9.3	1.0	15.9	NA	NA	1.0	0.9	NA	6.0
1995-96	1.6	12.0	3.0	17.0	NA	NA	0.6	0.7	NA	7.4
1996-97	7.9	12.6	3.6	18.3	NA	NA	0.5	0.7	NA	11.1
1997-98	7.6	11.6	2.5	15.3	NA	NA	0.7	0.3	NA	9.7
1998-99	7.0	9.6	0.9	16.2	NA	NA	0.5	0.7	NA	9.3
1999-00	5.6	10.7	1.2	12.3	NA	NA	0.3	1.3	NA	9.5
2000-01	5.4	20.2	1.3	20.8	9.3	11.5	0.4	1.5	NA	12.9
2001-02	4.9	18.7	0.8	15.2	7.5	7.7	0.4	0.4	NA	9.0
2002-03	2.7	15.4	1.5	12.8	2.9	9.9	0.4	0.7	NA	7.8
2003-04	3.3	16.5	1.1	14.3	5.6	8.7	0.2	0.6	NA	6.6
2004-05	1.5	15.7	0.4	16.9	9.2	7.7	0.2	0.9	NA	7.5
2005-06	1.3	18.5	0.8	17.3	10.4	6.9	0.4	2.5	NA	11.4
2006-07	3.4	20.6	0.4	16.7	10.8	5.9	1.1	1.7	NA	13.6
2007-08	1.5	17.8	0.3	16.6	11	5.6	0.6	0.4	NA	9.2
Rank	13	4	18	-	7	10	16	17	-	8

Table 4.10 (Continued)

Year	South 24-Parganas	Nadia	Murshi-dabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	96.1	127.1	44.0	NA	NA	59.8	9.4	1.5	8.2	21.9	564.4
1978-79	NA	90.1	115.4	46.0	NA	NA	63.2	13.0	1.5	15.0	16.4	561.0
1979-80	NA	99.9	111.3	44.5	NA	NA	64.7	11.5	2.2	16.1	15.9	559.3
1980-81	NA	101.0	108.9	40.4	NA	NA	56.1	7.9	1.4	8.1	17.1	524.3
1981-82	NA	83.0	103.7	38.8	NA	NA	52.6	10.9	1.7	6.8	17.0	440.1
1982-83	NA	74.9	102.4	44.3	NA	NA	53.3	9.5	1.2	7.2	14.4	407.3
1983-84	NA	78.3	94.2	30.0	NA	NA	48.0	7.0	0.9	6.3	14.0	397.3
1984-85	NA	60.6	86.5	27.7	NA	NA	45.0	7.4	1.0	5.6	12.4	377.7
1985-86	NA	70.6	96.0	29.6	NA	NA	43.8	7.2	1.0	7.8	17.6	421.0
1986-87	NA	96.8	69.5	16.9	NA	NA	47.0	6.4	1.5	12.1	21.2	353.5
1987-88	10.9	78.2	59.4	26.9	NA	NA	58.7	4.1	1.1	9.2	23.9	362.8
1988-89	7.6	79.0	57.2	21.9	NA	NA	54.0	2.8	1.3	9.1	23.0	308.9
1989-90	14.8	77.2	30.6	21.1	NA	NA	61.5	3.8	1.2	10.6	24.2	326.7
1990-91	12.1	73.8	53.0	22.6	NA	NA	59.2	4.9	1.0	9.4	20.8	314.0
1991-92	11.4	60.3	37.6	18.9	NA	NA	55.3	2.9	1.8	9.7	20.8	269.9
1992-93	8.7	63.4	49.0	23.4	NA	NA	53.1	2.9	3.2	9.0	18.1	276.0
1993-94	10.7	55.8	43.6	22.4	NA	NA	52.5	3.1	2.1	11.8	19.2	269.0
1994-95	7.9	48.6	40.7	29.6	NA	NA	35.4	3.8	1.4	9.3	14.5	227.4
1995-96	5.4	45.6	41.8	19.2	NA	NA	28.5	2.5	1.9	9.5	15.8	212.7
1996-97	6.9	46.3	44.6	21.1	NA	NA	26.9	4.9	1.8	9.6	17.7	234.6
1997-98	5.1	41.0	43.0	17.0	NA	NA	28.8	6.7	1.9	7.9	18.8	221.9
1998-99	3.7	38.2	41.0	11.9	NA	NA	23.3	6.0	1.7	11.8	17.8	203.7
1999-00	7.6	53.7	42.6	11.9	7.9	4.0	25.0	6.1	1.8	8.9	15.6	214.1
2000-01	8.7	57.0	59.3	13.2	9.1	4.1	36.1	6.6	1.9	10.5	18.7	274.5
2001-02	8.9	66.8	51.5	10.8	7.4	3.4	30.5	3.8	2.1	11.3	14.0	249.1
2002-03	9.2	66.8	52.9	11.2	7.7	3.5	32.5	5.0	2.0	8.2	12.7	241.8
2003-04	10.3	60.5	65.0	12.6	8.3	4.3	29.8	5.3	1.7	8.4	15.7	251.9
2004-05	9.4	42.4	63.8	6.2	5.1	1.1	29.8	5.0	2.2	7.9	16.6	226.4
2005-06	8.9	46.4	55.1	5.9	5.1	0.8	25.5	4.1	2.1	9.1	13.2	222.6
2006-07	10.1	38.9	52.0	5.3	4.7	0.6	26.1	4.1	2.0	8.8	14.3	219.6
2007-08	15.2	36.4	51.5	3.6	2.7	0.9	24.3	4.1	1.1	5.9	12.4	200.9
Rank	5	2	1	-	12	15	3	11	14	9	6	-

Source and Note: As in Table 4.5

Table 4.11 Area under Foodgrains in Districts of West Bengal, 1977-78 to 2007-08 (Thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	589.3	464.6	429.8	1024.6	NA	NA	111.4	264.0	714.3	NA
1978-79	497.2	414.2	403.1	972.3	NA	NA	116.0	282.1	686.6	NA
1979-80	507.2	426.6	347.6	967.4	NA	NA	107.2	245.4	712.0	NA
1980-81	577.9	407.7	401.8	969.3	NA	NA	106.7	268.0	699.4	NA

Table 4.11 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1981-82	513.2	370.1	383.3	950.7	NA	NA	101.5	256.6	681.4	NA
1982-83	455.9	346.3	335.2	933.0	NA	NA	96.1	227.6	695.0	NA
1983-84	558.5	386.5	378.3	1021.0	NA	NA	120.6	270.1	736.4	NA
1984-85	568.3	379.4	396.0	958.4	NA	NA	97.2	236.5	696.8	NA
1985-86	562.4	375.0	401.3	979.1	NA	NA	119.4	254.4	692.0	NA
1986-87	540.2	351.2	384.6	996.4	NA	NA	124.6	241.7	687.7	NA
1987-88	580.8	400.2	385.0	997.1	NA	NA	121.2	268.1	NA	325.2
1988-89	553.5	381.0	398.5	993.4	NA	NA	121.7	265.7	NA	309.5
1989-90	556.7	380.1	420.7	1005.9	NA	NA	120.0	260.7	NA	322.3
1990-91	566.1	400.5	448.6	1054.2	NA	NA	137.7	276.9	NA	311.9
1991-92	564.7	356.5	429.0	1091.4	NA	NA	135.3	274.5	NA	311.6
1992-93	548.3	355.2	428.9	1047.9	NA	NA	135.1	264.0	NA	314.6
1993-94	609.7	396.1	432.5	1097.7	NA	NA	142.4	285.6	NA	318.9
1994-95	611.1	377.8	429.6	1093.0	NA	NA	120.4	289.0	NA	300.7
1995-96	621.2	421.1	448.3	1111.4	NA	NA	121.7	303.2	NA	307.2
1996-97	638.8	382.8	433.6	1117.6	NA	NA	117.1	261.6	NA	307.7
1997-98	666.4	401.7	448.0	1102.0	NA	NA	126.3	293.1	NA	322.8
1998-99	711.3	431.0	393.4	1077.4	NA	NA	125.2	292.2	NA	353.8
1999-00	680.7	425.9	420.0	1129.7	502.4	627.3	135.0	314.0	NA	348.3
2000-01	594.5	365.9	406.9	1144.6	538.3	606.3	114.7	202.4	NA	300.4
2001-02	670.0	440.6	449.2	1109.8	518.7	591.1	123.6	312.6	NA	357.1
2002-03	655.2	444.8	330.5	1069.2	405.6	663.6	132.0	306.0	NA	304.9
2003-04	664.3	423.4	332.0	1101.1	428.0	673.1	142.1	299.3	NA	285.2
2004-05	640.7	433.0	356.7	1101.2	425.9	675.3	133.7	305.3	NA	278.5
2005-06	642.7	417.4	395.6	1099.9	425.8	674.1	126.2	313.1	NA	295.9
2006-07	649.1	436.1	414.5	1147.8	441.5	706.3	118.4	302.4	NA	298.6
2007-08	639.8	444.4	421.3	1070.7	407.9	662.8	119	302.8	NA	289.8
Rank	2	4	5	-	7	1	17	12	-	13
AGR	0.29	-0.14	-0.07	0.15	-2.35	0.71	0.23	0.49	-0.41	-0.54

Table 4.11 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	365.7	559.6	580.4	NA	NA	376.8	345.0	84.4	358.2	309.0	6577.3
1978-79	NA	336.5	453.4	491.5	NA	NA	332.9	284.0	75.8	327.0	284.3	5957.3
1979-80	NA	361.0	551.0	537.0	NA	NA	336.7	310.9	82.9	333.3	247.6	6074.0
1980-81	NA	356.1	513.3	542.0	NA	NA	309.4	286.8	86.1	295.3	279.5	6099.3
1981-82	NA	345.8	525.7	565.6	NA	NA	363.0	300.7	86.0	311.2	270.8	5975.9
1982-83	NA	325.4	486.3	530.0	NA	NA	309.9	276.5	83.4	307.7	232.2	5640.6

Table 4.11 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1983-84	NA	371.1	535.5	550.6	NA	NA	318.3	298.2	86.3	310.0	265.4	6207.0
1984-85	NA	331.0	502.2	536.5	NA	NA	306.5	308.1	83.1	326.3	287.8	6017.1
1985-86	NA	310.3	472.5	502.3	NA	NA	289.0	284.0	74.0	303.3	282.9	5902.3
1986-87	NA	413.3	485.8	534.1	NA	NA	352.1	315.2	105.9	373.6	339.3	6245.7
1987-88	398.0	401.6	518.7	541.0	NA	NA	361.3	296.9	80.6	321.8	309.3	6306.8
1988-89	418.7	383.7	521.5	546.1	NA	NA	367.5	299.7	89.7	372.6	299.7	6322.5
1989-90	427.6	407.6	508.6	526.3	NA	NA	358.7	298.1	110.3	357.3	321.9	6373.8
1990-91	430.6	405.3	503.9	529.0	NA	NA	374.1	295.8	105.1	331.9	324.2	6495.8
1991-92	435.7	357.9	462.3	509.6	NA	NA	349.7	280.5	89.4	339.0	326.9	6314.0
1992-93	433.4	387.2	503.5	525.8	NA	NA	346.7	284.5	84.9	339.6	323.3	6322.9
1993-94	445.5	401.5	497.1	522.2	NA	NA	356.3	273.7	82.9	337.8	331.5	6531.4
1994-95	445.1	386.6	493.7	529.1	NA	NA	337.5	268.3	82.1	306.2	323.7	6393.9
1995-96	430.5	393.4	498.9	543.0	NA	NA	355.5	278.5	75.4	329.9	336.0	6575.2
1996-97	433.1	385.5	508.6	536.1	NA	NA	319.1	278.2	65.0	325.8	336.3	6446.9
1997-98	436.5	397.5	513.9	516.7	NA	NA	321.2	277.8	76.2	304.3	352.8	6558.0
1998-99	453.3	395.5	528.9	537.5	NA	NA	308.3	281.3	75.2	314.5	260.4	6538.7
1999-00	465.7	426.0	557.9	557.9	327.3	230.6	310.4	292.3	71.3	318.2	328.6	6787.9
2000-01	437.8	347.2	421.0	556.2	331.1	225.1	313.7	296.6	64.0	328.2	298.8	6192.9
2001-02	439.8	467.6	585.7	552.7	328.5	224.2	299.4	289.1	66.4	316.9	326.6	6807.1
2002-03	444.2	467.5	595.6	555.2	333.7	221.5	300.9	302.9	66.7	308.6	255.2	6539.1
2003-04	460.0	432.2	607.1	584.1	356.9	227.2	303.6	277.5	66.7	307.2	326.0	6611.8
2004-05	410.0	385.4	609.5	557.0	330.0	227.0	313.8	286.5	65.9	297.7	319.9	6494.8
2005-06	408.3	360.7	592.2	557.4	335.5	221.9	302.5	283.5	65.1	307.4	295.3	6463.8
2006-07	427.0	341.3	582.3	507.0	310.9	196.1	238.2	261.9	62.2	267.7	308.4	6363.4
2007-08	410.4	327.7	578.9	544.4	335	209.4	230.9	269.1	62.6	323.2	335.4	6370.4
Rank	6	10	3	-	9	16	15	14	18	11	8	
AGR	0.16	-0.35	0.11	-0.21	0.29	-1.15	-1.29	-0.73	-0.86	-0.33	0.28	-0.10

Source and *Note:* As in Table 4.7

Table 4.12 Area under Oilseeds in Districts of West Bengal, 1977-78 to 2006-07 (thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	8.2	4.1	10.1	5.6	NA	NA	2.1	7.3	4.6	NA
1978-79	9.7	3.8	5.6	6.4	NA	NA	2.1	5.0	5.7	NA
1979-80	17.5	6.4	9.1	4.6	NA	NA	-	6.3	5.4	NA
1980-81	41.7	24.2	23.8	21.5	NA	NA	6.5	21.6	15.8	NA
1981-82	41.0	13.5	11.2	11.6	NA	NA	2.1	12.3	9.3	NA
1982-83	31.7	11.8	9.3	8.1	NA	NA	2.2	17.1	6.8	NA
1983-84	31.5	14.6	11.0	10.2	NA	NA	1.2	14.3	10.9	NA
1984-85	33.9	19.4	21.0	11.0	NA	NA	1.6	10.3	13.8	NA
1985-86	42.0	36.1	23.1	27.3	NA	NA	5.0	19.6	25.5	NA

Table 4.12 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1986-87	27.0	41.0	16.9	16.6	NA	NA	1.4	21.2	17.2	NA
1987-88	26.0	46.3	28.4	25.4	NA	NA	2.1	13.8	68.4	NA
1988-89	56.8	55.2	21.7	35.7	NA	NA	6.7	24.3	NA	43.1
1989-90	56.7	55.8	27.1	42.8	NA	NA	4.2	28.8	NA	35.3
1990-91	64.9	50.3	38.3	52.0	NA	NA	3.8	34.3	NA	34.8
1991-92	63.2	40.4	39.3	65.4	NA	NA	5.6	42.1	NA	38.6
1992-93	54.7	36.2	35.6	59.6	NA	NA	6.5	28.6	NA	43.2
1993-94	55.5	32.3	34.4	65.9	NA	NA	5.2	41.9	NA	43.9
1994-95	54.7	27.4	27.4	76.1	NA	NA	6.3	32.6	NA	41.2
1995-96	39.0	21.7	27.8	84.1	NA	NA	3.2	34.2	NA	31.6
1996-97	4.03	21.7	29.0	73.1	NA	NA	2.6	48.9	NA	32.4
1997-98	39.9	20.7	21.8	81.5	NA	NA	3.7	33.1	NA	42.1
1998-99	35.0	28.4	30.6	67.2	NA	NA	3.2	25.6	NA	38.8
1999-00	41.1	29.8	27.7	63.1	22.7	40.4	4.0	26.4	NA	42.1
2000-01	56.2	37.4	27.5	72.5	24.9	47.6	5.3	33.6	NA	48.3
2001-02	57.9	39.1	25.0	77.2	22.0	55.2	4.4	33.6	NA	51.9
2002-03	48.5	36.4	25.5	76.5	11.0	65.5	2.6	26.1	NA	37.8
2003-04	59.9	39.5	48.2	95.6	17.8	77.8	5.8	37.6	NA	40.0
2004-05	56.1	42.5	32.1	104	18.0	86.0	5.4	33.3	NA	40.1
2005-06	42.0	36.8	26.5	103.5	19.0	84.5	5.6	31.2	NA	44.6
2006-07	56.5	38.3	42.2	117.6	21.2	96.4	6.7	35.2	NA	47.0
Rank	4	8	6	-	13	2	17	10	-	5
AGR	20.31	28.76	10.96	68.97	-0.94	19.80	7.55	13.18	138.70	0.50

Table 4.12 (Continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	10.4	16.6	13.8	NA	NA	7.5	1.7	0.1	1.7	0.2	107.8
1978-79	NA	10.6	15.5	13.7	NA	NA	6.3	2.3	0.1	3.0	0.4	84.7
1979-80	NA	7.3	13.6	11.2	NA	NA	6.4	2.5	0.1	2.1	0.4	99.0
1980-81	NA	33.0	45.2	44.0	NA	NA	18.3	7.4	1.0	10.0	3.4	317.4
1981-82	NA	15.5	19.7	13.2	NA	NA	6.0	2.9	0.3	2.8	0.3	175.8
1982-83	NA	21.7	21.0	17.1	NA	NA	8.2	3.7	0.2	2.1	0.1	122.2
1983-84	NA	19.1	19.2	24.0	NA	NA	9.8	4.2	0.3	2.2	0.5	195.6
1984-85	NA	35.7	21.7	28.0	NA	NA	10.7	4.1	0.3	1.7	0.5	129.2
1985-86	NA	38.6	44.9	58.5	NA	NA	20.0	12.5	1.5	11.1	4.9	371.0
1986-87	NA	59.9	38.5	23.2	NA	NA	13.8	3.0	0.1	2.1	2.4	206.2
1987-88	NA	37.2	60.3	43.7	NA	NA	23.8	5.2	0.2	1.7	0.5	435.4
1988-89	3.1	61.8	61.2	58.5	NA	NA	31.5	11.5	1.7	14.1	6.0	492.5
1989-90	2.8	54.3	60.0	56.7	NA	NA	30.4	12.5	1.7	12.7	6.7	488.5
1990-91	4.2	59.3	55.6	55.0	NA	NA	28.7	12.3	1.8	10.3	7.6	513.2

Table 4.12 (Continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1991-92	5.9	76.2	68.6	60.3	NA	NA	35.3	10.5	1.5	11.8	8.9	573.6
1992-93	3.9	75.2	54.8	64.3	NA	NA	25.6	11.8	1.0	11.8	9.1	521.9
1993-94	5.4	74.2	58.8	60.2	NA	NA	20.2	10.9	1.7	13.6	8.2	532.3
1994-95	8.3	83.9	56.9	63.9	NA	NA	20.1	12.0	1.3	11.9	6.0	530.9
1995-96	3.5	92.4	52.5	56.2	NA	NA	17.0	12.8	1.0	13.2	6.4	496.6
1996-97	3.5	82.1	68.5	49.8	NA	NA	25.9	11.5	0.6	13.4	5.7	509.1
1997-98	6.4	85.8	55.4	49.9	38.9	11.0	22.0	12.5	1.1	14.0	8.2	508.1
1998-99	5.0	92.2	59.7	54.7	37.1	17.6	22.8	11.5	0.3	12.9	5.9	493.1
1999-00	5.9	88.3	61.6	59.9	39.3	20.6	22.2	11.4	0.3	14.0	4.5	502.3
2000-01	5.7	108.9	71.1	68.0	45.4	22.6	35.7	12.4	0.4	12.6	2.8	598.6
2001-02	4.5	108.3	68.9	69.0	46.5	22.5	35.5	11.4	0.4	13.8	3.3	604.2
2002-03	7.0	109.0	67.5	66.4	42.5	23.9	35.4	10.5	0.4	15.3	3.5	568.4
2003-04	8.7	105.7	92.6	65.7	42.6	23.1	38.5	13.5	0.6	29.6	3.5	685.0
2004-05	8.0	107.7	91.8	64.9	41.4	23.5	39.3	13.8	0.4	30.0	3.7	673.1
2005-06	13.1	102.5	92.8	63.7	40.1	23.6	39.0	13.3	0.4	22.5	5.6	643.5
2006-07	12.1	107.1	92.3	62.0	37.8	24.2	40.3	13.7	0.5	22.6	9.0	703.4
Rank	15	1	3	-	9	11	7	14	18	12	16	
AGR	16.13	32.06	15.72	12.04	-0.31	13.33	15.08	24.34	13.79	42.39	151.72	19.05

Source and *Note:* As in Table 4.7

Table 4.13 Area under Jut e in Districts of West Bengal, 1977-78 to 2006-07 (thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	15.4	0.6	1.7	12.2	NA	NA	4.4	40.7	56.4	NA
1978-79	17.6	0.5	2.2	14.7	NA	NA	5.9	37.1	63.8	NA
1979-80	13.1	0.2	1.3	16.9	NA	NA	4.3	28.5	50.6	NA
1980-81	17.3	0.3	1.9	21.6	NA	NA	6.2	35.3	74.6	NA
1981-82	15.3	0.4	1.1	12.6	NA	NA	5.7	25.9	56.1	NA
1982-83	12.0	0.2	0.7	10.5	NA	NA	3.4	25.5	45.4	NA
1983-84	11.3	0.3	0.8	10.6	NA	NA	3.1	24.8	42.8	NA
1984-85	12.6	0.1	0.2	11.1	NA	NA	2.7	23.8	43.3	NA
1985-86	20.0	0.9	1.2	19.5	NA	NA	5.0	39.6	52.5	NA
1986-87	15.6	0.8	1.9	14.8	NA	NA	3.2	26.7	59.4	NA
1987-88	9.4	0.3	0.3	10.3	NA	NA	2.4	22.4	NA	52.6
1988-89	9.2	0.1	1.0	10.3	NA	NA	2.3	20.6	NA	24.0
1989-90	8.9	0.1	0.8	8.9	NA	NA	2.9	22.5	NA	27.0
1990-91	13.7	0.2	0.4	10.0	NA	NA	3.5	31.4	NA	37.3
1991-92	14.6	0.3	0.5	11.3	NA	NA	3.3	34.8	NA	39.4
1992-93	12.1	0.3	0.3	10.6	NA	NA	2.0	22.2	NA	34.8
1993-94	7.3	0.3	0.6	8.7	NA	NA	2.1	30.5	NA	34.9
1994-95	9.1	0.3	0.4	10.4	NA	NA	2.7	25.0	NA	41.7
1995-96	10.2	0.2	0.3	10.7	5.6	4.1	3.3	23.0	NA	38.0

Table 4.13 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1996-97	12.2	0.7	0.1	9.4	NA	NA	5.0	42.6	NA	49.6
1997-98	16.5	0.2	0.6	8.9	NA	NA	7.4	32.3	NA	52.6
1998-99	15.8	0.2	0.4	8.7	NA	NA	5.0	34.5	NA	58.5
1999-00	15.0	0.2	0.3	8.3	5.4	2.9	4.2	31.6	NA	57.1
2000-01	10.5	0.1	0.4	7.7	4.8	2.9	6.8	29.9	NA	55.8
2001-02	18.7	0.4	0.1	8.2	5.4	2.8	4.7	32.7	NA	61.4
2002-03	17.8	0.5	less than 50	9.1	1.8	7.3	4.0	34.0	NA	60.6
2003-04	11.8	0.1	less than 50	8.0	2.1	5.9	7.1	34.7	NA	54.8
2004-05	12.4	0.4	0.3	6.4	0.9	5.5	6.2	31.4	NA	50.9
2005-06	15.3	0.2	0.003	6.6	1.4	5.2	3.3	31.0	NA	48.2
2006-07	13.8	0.4	0.035	6.6	1.5	5.1	3.8	31.6	NA	60.4
Rank	10	16	17	-	14	11	12	7	-	4
AGR	-0.36	-1.15	-3.38	-1.58	-6.66	2.22	-0.47	-0.77	0.59	0.78

Table 4.13 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	92.5	79.8	72.3	NA	NA	25.5	33.8	2.7	40.6	N.A	478.6
1978-79	NA	107.5	84.1	77.9	NA	NA	31.1	43.5	3.3	48.7	N.A	537.9
1979-80	NA	93.5	70.9	77.0	NA	NA	29.9	49.8	4.1	64.3	N.A	543.3
1980-81	NA	117.5	83.4	85.2	NA	NA	31.5	55.5	4.7	75.4	N.A	610.4
1981-82	NA	101.5	78.7	75.7	NA	NA	31.8	44.3	2.8	54.0	N.A	505.9
1982-83	NA	88.6	68.0	59.2	NA	NA	20.6	43.5	2.7	58.6	N.A	438.8
1983-84	NA	101.7	75.8	60.0	NA	NA	25.0	42.7	3.2	61.4	N.A	463.5
1984-85	NA	122.2	93.4	80.2	NA	NA	32.8	46.7	2.8	62.9	N.A	534.8
1985-86	NA	136.8	124.5	107.4	NA	NA	44.3	69.9	2.5	76.1	N.A	730.7
1986-87	NA	98.3	94.8	65.0	NA	NA	24.1	49.6	3.7	60.4	0.1	517.5
1987-88	3.0	89.9	74.7	44.7	NA	NA	9.4	44.3	3.0	56.8	0.2	423.7
1988-89	0.9	96.4	82.7	44.4	NA	NA	20.5	45.1	2.6	55.2	less than 50 hectares	415.3
1989-90	1.5	105.8	95.9	33.8	NA	NA	18.1	35.7	5.0	59.6	NA	426.5
1990-91	1.7	116.6	105.8	45.9	NA	NA	27.5	40.6	3.7	61.9	NA	500.2
1991-92	2.5	141.6	94.4	70.9	NA	NA	35.1	43.6	3.7	77.4	NA	573.4
1992-93	0.7	119.5	93.7	65.2	NA	NA	24.5	42.5	2.6	62.3	NA	493.3
1993-94	1.7	103.0	103.8	57.7	NA	NA	22.2	37.6	2.5	62.3	NA	475.2
1994-95	1.0	112.0	116.6	58.0	NA	NA	25.5	41.3	2.6	61.3	NA	507.9
1995-96	1.0	113.8	125.4	46.4	NA	NA	23.3	37.8	1.6	81.8	NA	515.8
1996-97	0.9	132.6	138.5	69.0	57.8	11.2	25.4	47.0	1.8	85.3	NA	620.1
1997-98	0.9	134.4	135.4	73.1	59.4	13.7	25.6	49.7	2.3	101.6	NA	641.6
1998-99	2.0	126.7	140.4	72.1	61.2	10.9	25.3	45.8	2.4	74.3	NA	612.1
1999-00	0.5	128.8	141.6	71.3	57.7	13.6	23.9	47.7	2.3	81.1	NA	613.9
2000-01	1.8	130.3	141.0	74.1	59.0	15.1	24.0	44.3	2.2	84.1	NA	613.0
2001-02	1.2	138.7	143.0	80.2	63.1	17.1	27.7	46.3	2.9	85.6	NA	651.8

Table 4.13 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
2002-03	1.4	139.7	143.9	79.7	62.5	17.2	27.9	42.8	3.0	71.7	NA	636.1
2003-04	3.2	130.6	154.0	83.7	64.9	18.8	27.8	39.4	2.7	62.5	NA	620.4
2004-05	0.8	115.2	131.6	81.8	63.5	18.3	23.7	39.9	2.4	65.8	NA	569.2
2005-06	1.4	120.2	127.6	70.1	53.8	16.3	22.1	40.1	2.5	69.9	NA	558.9
2006-07	0.6	130.6	134.9	70.8	53.2	17.6	23.2	42.3	2.4	73.1	NA	594.8
Rank	15	2	1	-	5	9	8	6	13	3	-	
AGR	-4.21	1.42	2.38	-0.07	-0.80	5.71	-0.31	0.87	-0.38	2.76	-	0.84

Source and *Note:* As in Table 4.7

Table 4.14 Area under Potato in Districts of West Bengal, 1977-78 to 2006-07 (thousand hectares)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1977-78	22.9	7.6	5.6	16.0	NA	NA	3.8	29.8	5.4	NA
1978-79	31.0	8.6	8.3	20.8	NA	NA	5.6	37.7	7.7	NA
1979-80	25.5	6.4	4.5	14.6	NA	NA	1.9	31.1	4.4	NA
1980-81	24.5	6.8	6.8	15.6	NA	NA	1.9	33.0	4.8	NA
1981-82	26.1	6.5	5.4	16.0	NA	NA	1.7	36.3	5.4	NA
1982-83	24.9	5.5	4.0	15.1	NA	NA	3.1	35.3	4.3	NA
1983-84	31.4	7.1	9.8	22.8	NA	NA	3.6	40.5	5.6	NA
1984-85	32.2	8.3	7.8	22.6	NA	NA	3.9	40.8	6.1	NA
1985-86	27.3	6.3	7.7	21.9	NA	NA	3.1	40.3	6.0	NA
1986-87	30.6	10.6	10.6	31.3	NA	NA	3.7	42.5	5.9	NA
1987-88	36.8	11.6	10.4	33.0	NA	NA	4.9	49.7	NA	4.3
1988-89	39.4	11.0	9.7	38.8	NA	NA	4.7	50.7	NA	3.2
1989-90	39.6	12.7	12.8	38.9	NA	NA	3.8	62.9	NA	3.2
1990-91	38.0	8.1	19.4	33.6	NA	NA	3.6	58.3	NA	3.4
1991-92	35.3	7.0	18.7	53.5	NA	NA	3.3	68.3	NA	4.1
1992-93	33.1	7.2	13.3	53.2	NA	NA	2.2	65.7	NA	4.2
1993-94	31.9	8.4	15.8	54.8	NA	NA	3.0	67.6	NA	5.9
1994-95	32.5	6.9	15.9	56.2	NA	NA	5.6	59.5	NA	3.7
1995-96	235.0	9.4	20.6	55.2	NA	NA	4.9	81.9	NA	3.5
1996-97	41.1	10.7	22.0	69.2	NA	NA	6.6	103.0	NA	6.3
1997-98	40.9	10.0	18.9	62.1	NA	NA	8.7	79.1	NA	6.2
1998-99	40.1	12.5	25.6	70.1	NA	NA	7.1	80.0	NA	7.9
1999-00	45.2	14.1	26.0	73.1	22.8	50.3	9.6	73.8	NA	7.5
2000-01	42.1	12.8	21.5	60.4	20.6	39.8	9.2	80.6	NA	8.5
2001-02	40.6	12.6	20.0	69.2	22.1	47.1	7.3	79.5	NA	7.1
2002-03	51.3	11.5	22.8	71.6	4.6	67.0	10.8	93.2	NA	7.1
2003-04	45.5	9.8	15.7	63.9	2.8	61.1	6.7	90.3	NA	6.4
2004-05	42.4	11.2	25.9	60.2	3.5	56.7	6.1	88.0	NA	6.0
2005-06	43.4	13.8	28.1	74.5	3.2	71.3	7.3	92.2	NA	5.7
2006-07	59.4	16.5	35.6	84.1	4.7	79.4	8.6	96.7	NA	6.6
Rank	3	7	4	-	14	2	9	1	-	12
AGR	5.50	4.04	18.47	14.68	-11.34	8.26	4.36	7.74	1.03	2.82

Table 4.14 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	3.3	6.2	8.6	NA	NA	2.4	4.3	4.0	7.8	1.4	126.1
1978-79	NA	4.3	8.3	10.3	NA	NA	2.5	5.4	3.7	5.5	1.7	161.4
1979-80	NA	1.9	5.7	7.2	NA	NA	1.2	1.5	3.7	1.8	Less than 50	108.4
1980-81	NA	2.0	6.9	4.9	NA	NA	1.1	1.2	4.6	1.2	0.3	115.6
1981-82	NA	2.3	6.0	5.0	NA	NA	1.2	1.7	4.6	1.8	0.3	120.3
1982-83	NA	2.6	6.3	5.2	NA	NA	1.2	1.7	4.4	2.1	0.2	115.9
1983-84	NA	2.9	6.1	6.0	NA	NA	1.2	1.6	4.0	2.8	0.4	145.8
1984-85	NA	3.0	6.3	6.7	NA	NA	1.4	2.5	3.8	3.1	0.3	148.8
1985-86	NA	2.1	6.2	6.3	NA	NA	1.5	2.4	3.8	3.1	0.4	138.4
1986-87	NA	6.6	8.2	4.0	NA	NA	1.1	3.1	4.2	9.5	1.2	173.1
1987-88	1.0	1.2	6.6	4.5	NA	NA	2.2	3.4	5.0	4.1	1.2	179.9
1988-89	0.8	1.4	4.4	7.7	NA	NA	1.5	3.7	7.1	3.9	0.8	188.8
1989-90	1.1	1.8	4.4	7.4	NA	NA	1.3	5.3	4.9	4.6	1.5	206.2
1990-91	1.1	1.9	6.3	4.3	NA	NA	1.5	4.1	4.2	5.3	1.4	194.5
1991-92	1.3	2.5	6.1	5.8	NA	NA	1.8	5.2	8.8	6.4	0.9	229.0
1992-93	1.3	3.6	7.4	5.8	NA	NA	1.7	7.0	5.5	7.9	1.7	220.8
1993-94	1.2	3.1	6.5	5.8	NA	NA	2.0	7.5	6.8	8.7	1.2	230.9
1994-95	1.5	3.0	5.8	6.5	NA	NA	1.7	10.2	6.0	6.8	0.9	232.3
1995-96	1.2	2.6	7.0	6.6	NA	NA	1.8	11.1	4.9	8.6	1.6	255.9
1996-97	1.2	4.8	7.5	8.1	NA	NA	2.0	14.4	5.8	10.7	0.9	314.3
1997-98	1.4	5.3	7.0	7.0	4.1	2.9	2.3	12.6	6.9	14.2	1.4	284.0
1998-99	1.3	4.8	8.6	9.1	6.0	3.1	2.5	14.5	6.9	25.7	1.5	318.2
1999-00	5.4	3.7	8.7	8.9	5.5	3.4	2.5	14.5	7.1	14.3	1.4	315.8
2000-01	3.8	3.5	8.9	11.5	6.7	4.8	2.4	14.3	7.1	12.2	0.9	299.7
2001-02	4.3	4.4	7.6	11.0	6.3	4.7	2.5	14.3	7.3	11.2	0.9	299.8
2002-03	3.5	4.1	8.8	15.3	10.5	4.8	2.6	24.6	7.2	13.4	1.5	349.3
2003-04	3.7	3.9	7.4	12.2	8.7	3.5	2.5	20.9	6.8	10.7	2.0	308.4
2004-05	3.2	4.3	10.3	10.5	7.6	2.9	2.5	24.8	6.7	16.9	1.6	320.6
2005-06	2.1	5.5	10.3	11.4	8.4	3.0	2.5	25.6	6.6	24.1	1.3	354.4
2006-07	4.1	5.6	10.6	10.8	8.0	2.8	2.7	33.6	6.7	24.1	1.5	407.9
Rank	15	13	8	-	10	16	17	5	11	6	18	
AGR	16.32	2.40	2.45	0.88	10.57	-0.38	0.43	23.50	2.33	7.21	0.25	7.71

Source and *Note:* As in Table 4.7

Table 4.15 Area under Fruits in Districts of West Bengal, 2001-02 to 2006-07 (thousand hectares)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
2001-02	5.74	2.7	2.0	7.4	3.29	2.9	11.7	14.4
2002-03	6.03	2.9	2.1	7.6	3.31	3.00	11.91	15.26
2003-04	7.2	3.4	3.6	7.8	3.8	3.1	12.2	17.0
2004-05	7.4	3.5	3.6	8.1	3.9	3.2	12.4	17.2
2005-06	7.6	3.6	3.7	8.4	4.1	2.9	12.2	17.9
2006-07	7.6	3.9	3.6	8.1	11.3	2.5	11.9	18.2
Rank	12	15	16	11	7	18	5	3

Table 4.15 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
2001-02	6.7	7.4	18.2	5.7	5.7	26.8	10.1	10.3	3.9	2.6	147.5
2002-03	6.8	8.28	18.45	6.11	5.61	27.12	10.6	10.50	4.16	2.55	152.2
2003-04	7.2	10.6	19.8	7.0	3.8	27.7	9.2	10.5	4.5	2.7	160.9
2004-05	7.5	12.2	19.7	7.3	3.8	28.2	10.2	10.9	4.6	2.8	166.3
2005-06	8.1	12.5	21.7	8.1		28.6	10.3	11.1	5.1	2.9	172.7
2006-07	8.3	14.8	24.0	8.2	4.6	28.8	10.7	11.6	5.3	3.6	187.1
Rank	9	4	2	10	11	1	8	6	13	17	-

Source: Directorate of Food Processing Industries and Horticulture, Government of West Bengal

Table 4.16 Area under Vegetables in Districts of West Bengal, 2001-02 to 2006-07

(thousand hectares)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
2001-02	45.9	40.8	58.1	47.10	51.91	16.1	48.5	64.5
2002-03	50.32	42.79	59.60	50.89	52.16	16.37	50.53	65.06
2003-04	53.0	44.8	50.4	49.0	43.9	15.7	53.8	63.1
2004-05	53.6	45.4	50.8	49.8	45.3	15.9	54.2	63.6
2005-06	53.6	46.2	51.6	51.12	43.85	13.3	52.6	64.4
2006-07	57.2	48.4	50.8	47.3	43.9	13.5	52.9	67.3
Rank	5	11	10	12	14	18	7	3

Table 4.16 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
2001-02	57.38	74.8	67.6	23.2	43.3	48.7	46.9	20.5	44.1	38.6	837.9
2002-03	57.82	78.62	69.05	29.51	43.59	49.87	53.08	20.82	46.94	38.85	827.75
2003-04	60.7	77.5	69.9	29.9	43.9	50.4	49.1	21.6	50.8	32.5	859.90
2004-05	61.3	78.4	71.0	30.4	42.3	50.7	49.8	21.9	51.2	33.0	868.40
2005-06	64.3	79.1	77.8	33.5	45.2	50.5	51.8	21.9	51.7	33.22	889.8
2006-07	66.7	80.2	81.2	34.6	45.0	54.8	52.5	21.6	51.3	34.1	903.6
Rank	4	2	1	15	13	6	8	17	9	16	-

Source: Directorate of Agriculture, Government of West Bengal

Table 4.17 Percentage of Area under Different Crops to Total Cropped Area in Districts of West Bengal , 2006-07

District	Total rice	Boro rice	Pulses	Foodgrains	Oilseeds	Jute	Potato	Fruits	Vegetables
Burdwan	75.43	24.62	0.40	76.17	6.63	1.62	6.97	0.89	6.71
Birbhum	69.74	11.73	3.75	79.33	6.97	0.07	3.00	0.71	8.80
Bankura	73.84	9.15	0.07	75.22	7.66	0.01	6.46	0.65	9.22
Purba Medinipur	77.86	26.71	1.95	79.90	3.84	0.27	0.85	1.47	8.56
Paschim Medinipur	71.62	14.26	0.61	73.06	9.97	0.53	8.21	1.17	4.54
Howrah	71.21	23.96	0.67	72.19	4.08	2.32	5.24	1.52	8.23
Hooghly	55.84	17.97	0.32	56.44	6.57	5.90	18.05	2.22	9.87
North 24 –Parganas	53.85	17.38	2.63	57.84	9.10	11.70	1.28	3.53	13.04
South 24-Parganas	76.98	14.26	1.87	79.21	2.24	0.11	0.76	1.54	12.37
Nadia	35.69	14.42	5.55	48.66	15.27	18.62	0.80	2.11	11.44
Murshidabad	41.73	14.50	5.49	61.50	9.75	14.25	1.12	2.53	8.58
Uttar Dinajpur	54.48	18.96	1.00	66.08	8.03	11.31	1.70	1.74	7.35
Dakshin Dinajpur	61.09	13.96	0.20	64.72	7.99	5.81	0.92	1.52	14.85
Maldah	38.86	17.04	6.58	60.03	10.16	5.85	0.68	7.26	13.81
Jalpaiguri	41.73	3.32	0.74	47.58	2.49	7.68	6.10	1.94	9.54
Darjeeling	16.32	0.78	1.04	32.32	0.26	1.25	3.48	6.03	11.22
Coochbehar	49.19	6.16	1.81	54.98	4.64	15.01	4.95	1.09	10.54
Purulia	78.17	0.36	3.98	85.92	2.51	0.00	0.42	1.00	9.50
West Bengal	59.03	14.54	2.28	66.05	7.30	6.17	4.23	1.94	9.38

Source: As in Table 4.5.

4.3 Agricultural Production:

During 1977-78 to 2006-07 West Bengal recorded increase in production of total rice, boro rice, foodgrains, potato, jute, fruits and vegetables but registered decline in production of pulses. Districts of the State also presented differential scenario in production of these crops. While Burdwan, Birbhum, Bankura. Howrah, Hooghly, South 24-Paranas, Nadia, Murshidabad, Jalpaiguri, and Purulia recorded increase in production of rice during 1977-78 to 2007-08, Purba Medinipur registered decrease in the same. During 2007-08 Burdwan district recorded the largest production of rice (1858.6 thousand tonnes) followed by Paschim Medinipur (1798.9 thousand tonnes), the smallest being registered in Darjeeling (59.5 thousand tonnes). During 1977-78 to 2006-07 Uttar Dinajpur recorded decrease in production of boro rice while other districts experienced increase in the same. During 2006-07 Burdwan district recorded the largest production of boro rice followed by Murshidabad, the smallest being registered in Darjeeling. During 1977-78 to 2006-07 Birbhum and Maldah registered increase in production of pulses while other districts recorded increase in the same during this period. During 2007-08 Murshidabad district recorded the largest production of pulses (41.7 thousand tonnes) followed by Nadia (28.8 thousand tonnes), the smallest production being registered in Howrah. During 1977-78 to 2006-07 Purba Medinipur district recorded decrease in production of foodgrains while other districts experienced increase in the same. During 2007-08 Burdwan district recorded the largest production of foodgrains (1866.3 thousand tonnes) followed by Paschim Medinipur (1820.3 thousand tonnes), the smallest production being registered in Darjeeling (116.5 thousand tonnes). During 1977-78 to 2006-07 the whole of West Bengal and all the districts excepting Uttar Dinajpur recorded increase in production of oilseeds. During 2006-07 Nadia district recorded the largest production of oilseeds followed by Paschim Medinipur, the smallest production being registered in Darjeeling. During the same period Bankura, South 24-Parganas, Purulia and Purba Medinipur registered decrease in production of jute while other districts recorded increase. During 2006-07 Murshidabad district recorded the largest production of jute followed by Nadia, the smallest production being registered in Bankura. During 1977-78 to 2006-07 the whole of West Bengal and districts excepting Purba Medinipur and Paschim Medinipur recorded increase in production of potato. During 2006-07 Hooghly district recorded the largest production of potato followed by Burdwan, the smallest production being registered in Purulia (Table 4.18 to Table 4.24).

During 2002-03 to 2006-07 the whole of West Bengal and many districts excepting Dakshin Dinajpur recorded increase in production of fruits. In 2006-07 Nadia district recorded the largest production of fruits followed by North 24-Parganas, the smallest production being registered in Howrah. During 2002-03 to 2006-07 the whole of West Bengal recorded increase of production of vegetables but Purba Medinipur and Howrah registered decrease. During 2006-07 Murshidabad district recorded the largest production of vegetables followed by Nadia, the smallest production being registered in Howrah (Table 4.25 and Table 4.26).

Table 4.18 Production of Rice in Districts of West Bengal, 1977-78 to 2007-08 (thousand tonnes)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1977-78	884.6	678.9	611.1	1221.1	NA	NA	139.9	557.0	912.2	NA
1978-79	1009.4	580.4	512.3	1115.8	NA	NA	80.2	346.7	1031.9	NA
1979-80	827.4	541.2	343.9	993.5	NA	NA	120.9	357.2	729.5	NA
1980-81	1002.7	585.8	592.5	1255.5	NA	NA	151.4	509.3	923.6	NA
1981-82	708.8	464.9	391.1	876.0	NA	NA	100.0	375.2	637.7	NA

Table 4.18 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1982-83	717.1	233.6	290.0	798.2	NA	NA	112.8	314.8	631.4	NA
1983-84	1078.8	619.8	586.1	1358.1	NA	NA	182.1	475.2	1002.3	NA
1984-85	1059.4	619.6	588.1	1404.9	NA	NA	158.2	472.9	1052.1	NA
1985-86	1013.0	578.3	679.8	1458.3	NA	NA	189.5	479.2	884.2	NA
1986-87	1198.8	583.3	625.3	1498.8	NA	NA	191.9	458.9	844.5	NA
1987-88	1241.2	735.4	694.9	1732.2	NA	NA	220.3	509.0	NA	633.6
1988-89	1406.9	870.6	779.3	1866.2	NA	NA	247.3	584.7	NA	647.3
1989-90	1376.2	807.7	831.3	1882.4	NA	NA	229.2	565.3	NA	673.5
1990-91	1420.4	813.1	843.8	1529.3	NA	NA	232.5	610.7	NA	646.9
1991-92	1532.6	768.5	949.8	2259.8	NA	NA	325.8	689.1	NA	742.8
1992-93	1406.3	784.0	877.0	2066.3	NA	NA	270.6	601.1	NA	707.5
1993-94	1641.6	823.4	975.5	2097.4	NA	NA	259.9	699.6	NA	749.2
1994-95	1694.3	799.0	912.6	2283.8	NA	NA	218.2	750.4	NA	680.1
1995-96	1668.5	823.0	1057.1	2119.1	NA	NA	180.0	688.8	NA	660.3
1996-97	175.2	912.4	1056.5	2382.7	NA	NA	215.7	648.6	NA	679.0
1997-98	1938.2	1079.8	1210.2	2330.7	NA	NA	242.6	773.1	NA	685.5
1998-99	2152.1	1240.9	941.0	2085.0	NA	NA	235.2	745.1	NA	863.0
1999-00	1859.1	1042.5	997.0	NA	1056.2	1362.8	295.8	766.9	NA	830.3
2000-01	1571.4	796.5	993.4	NA	1240.2	1344.2	224.2	503.7	NA	641.0
2001-02	1930.6	1157.4	1222.4	NA	1269.7	1441.1	287.6	847.7	NA	855.4
2002-03	1931.4	1146.6	929.5	NA	973.2	1551.7	281.1	778.9	NA	751.6
2003-04	2008.1	1110.3	867.0	NA	1008.4	1508.2	332.5	793.2	NA	701.6
2004-05	1892.9	1088.0	958.5	NA	1065.4	1736.8	305.5	857.6	NA	686.6
2005-06	1968.5	1116.3	1013.4	NA	786.7	1629.6	286.0	849.9	NA	717.3
2006-07	1966.9	1199.4	1138.0	NA	1045.3	1798.7	243.5	846.8	NA	725.9
2007-08	1858.6	1220.7	1173.6	NA	821.8	1798.9	259.2	845.1	NA	744.6
Rank	1	3	4	-	7	2	17	6	-	9
AGR	3.7	2.7	3.1	3.4	-2.8	4.0	2.8	1.7	-0.8	0.9

Table 4.18 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	307.6	465.2	481.6	NA	NA	295.3	284.9	52.3	257.9	345.0	7494.6
1978-79	NA	238.1	353.7	385.0	NA	NA	234.1	224.3	38.8	239.9	286.4	6676.9
1979-80	NA	291.8	463.2	394.9	NA	NA	243.4	204.4	39.1	188.6	147.6	5886.6
1980-81	NA	280.7	421.8	486.4	NA	NA	287.4	294.7	52.8	277.7	343.3	7465.6
1981-82	NA	329.0	450.9	420.4	NA	NA	251.5	252.9	50.1	280.4	242.0	5832.6
1982-83	NA	234.7	265.6	405.9	NA	NA	260.9	181.6	37.1	241.8	134.5	4949.2
1983-84	NA	359.7	489.4	512.7	NA	NA	317.3	277.7	59.8	310.6	310.6	7940.3
1984-85	NA	396.8	477.7	512.3	NA	NA	330.1	282.4	54.4	313.8	369.1	8092.5
1985-86	NA	376.0	435.6	529.6	NA	NA	330.4	261.0	48.9	291.3	435.8	7991.0
1986-87	NA	508.5	463.8	651.1	NA	NA	415.8	244.6	60.5	335.1	389.4	8463.0
1987-88	566.8	493.2	532.6	492.5	NA	NA	343.9	293.7	46.1	313.8	422.6	9271.8
1988-89	658.7	583.9	757.7	649.7	NA	NA	404.2	280.2	55.3	403.4	364.5	10559.8
1989-90	411.9	283.4	348.6	465.5	NA	NA	246.1	268.9	74.2	422.7	427.7	10923.6
1990-91	509.7	695.1	785.3	768.4	NA	NA	498.3	249.7	64.6	401.9	372.8	10436.5
1991-92	782.4	682.0	764.4	751.0	NA	NA	455.8	361.8	72.3	398.2	417.9	11954.2
1992-93	760.8	673.3	818.8	805.0	NA	NA	435.0	345.5	62.6	405.0	426.6	11445.4
1993-94	705.7	857.7	998.1	929.2	NA	NA	552.0	322.0	69.8	421.2	440.9	1211.9
1994-95	795.7	815.0	1062.7	920.1	NA	NA	514.7	271.3	66.1	340.5	504.4	12235.9
1995-96	667.7	721.0	738.1	805.0	NA	NA	561.4	311.9	50.4	383.4	477.2	11887.0
1996-97	790.6	710.5	908.9	930.2	NA	NA	553.1	38.8	51.4	400.7	483.1	12636.8
1997-98	355.2	747.3	896.8	919.4	NA	NA	559.5	310.5	39.5	369.1	609.3	13236.6
1998-99	749.7	848.3	994.0	1043.3	NA	NA	286.1	39.3	39.3	368.9	341.6	13316.4
1999-00	932.8	816.8	871.3	NA	567.5	423.3	519.4	379.1	51.4	439.8	547.7	13759.7
2000-01	866.9	650.0	548.2	NA	628.6	467.3	523.1	384.1	52.9	517.3	475.0	12428.0
2001-02	1003.7	958.7	1085.4	NA	554.4	425.3	536.2	410.1	59.2	466.7	745.1	15256.7
2002-03	940.7	999.1	1072.8	NA	587.2	462.0	546.0	432.4	60.6	457.6	486.8	14389.2
2003-04	969.6	840.1	1113.6	NA	699.9	519.6	572.6	397.6	64.8	515.4	639.7	14662.2
2004-05	912.3	763.7	1194.4	NA	650.3	550.6	661.5	366.1	47.9	473.1	673.7	14884.9
2005-06	845.3	732.4	1189.5	NA	692.3	519.3	636.1	394.6	58.6	545.5	528.9	14510.8
2006-07	911.1	677.6	1030.6	NA	589.7	446.4	470.6	418.9	58.6	445.7	731.3	14745.9
2007-08	796.8	683.0	1142.4	NA	683.5	492.0	480.4	372.4	59.5	518.8	738.2	14719.5
Rank	8	12	5	-	11	14	15	16	18	13	10	
AGR	2.0	4.1	4.9	5.6	2.6	2.0	2.1	1.0	0.5	3.4	3.8	3.2

Source and *Note:* As in Table 4.7

Table 4.19 Production of Jute in Districts of West Bengal, 1977-78 to 2006-07 (thousand bales of 180 Kgs each)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	141.9	4.6	15.2	116.7	NA	NA	27.4	407.8	492.5	NA
1978-79	174.0	2.9	19.0	122.0	NA	NA	44.5	403.2	564.1	NA
1979-80	111.0	1.9	11.9	167.3	NA	NA	42.1	321.1	428.1	NA

Table 4.19 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1980-81	208.8	2.6	20.8	257.1	NA	NA	53.2	363.0	651.0	NA
1981-82	222.1	4.7	9.6	137.2	NA	NA	53.2	331.6	567.3	NA
1982-83	148.4	2.5	8.7	131.4	NA	NA	35.8	315.0	467.9	NA
1983-84	6.1	1.3	7.7	2.3	NA	NA	NA	0.2	7.0	NA
1984-85	122.1	1.9	2.8	125.5	NA	NA	34.6	291.2	340.5	NA
1985-86	281.8	12.7	13.3	249.9	NA	NA	57.5	579.8	574.2	NA
1986-87	196.3	9.0	22.4	164.7	NA	NA	6.4	47.2	668.0	NA
1987-88	132.1	3.8	3.1	130.4	NA	NA	6.4	254.5	652.0	613.8
1988-89	147.3	1.6	14.7	131.7	NA	NA	10.1	386.1	290.1	278.1
1989-90	115.8	1.3	10.8	125.7	NA	NA	32.8	322.1	NA	326.7
1990-91	188.8	2.7	5.7	140.1	NA	NA	46.6	447.9	NA	436.0
1991-92	210.3	4.4	8.4	178.6	NA	NA	55.1	597.3	NA	494.2
1992-93	192.8	4.0	4.1	164.2	NA	NA	28.4	296.8	NA	450.5
1993-94	134.5	5.9	10.6	152.0	NA	NA	15.6	521.3	NA	445.1
1994-95	157.8	6.5	7.1	181.0	NA	NA	32.1	406.3	NA	531.9
1995-96	152.1	3.3	4.3	135.9	NA	NA	53.6	401.0	NA	519.3
1996-97	214.6	13.4	2.3	155.3	NA	NA	74.8	789.4	NA	755.1
1997-98	290.3	6.8	11.6	150.5	NA	NA	116.9	588.5	NA	677.5
1998-99	233.8	3.1	7.6	156.0	NA	NA	87.4	594.7	NA	815.8
1999-00	242.5	4.4	5.2	NA	90.9	59.4	71.7	558.8	NA	790.5
2000-01	190.4	2.0	6.9	NA	93.0	49.6	101.3	532.0	NA	776.9
2001-02	400.9	7.7	2.4	NA	118.9	48.2	80.9	623.5	NA	886.6
2002-03	326.3	9.9	0.6	NA	27.6	118.4	69.5	648.2	NA	973.2
2003-04	215.1	1.6	0.2	NA	31.2	77.9	131.2	650.0	NA	965.1
2004-05	222.7	7.0	5.2	NA	11.7	72.5	108.1	633.6	NA	888.5
2005-06	282.4	3.3	0.1	NA	21.0	74.9	61.4	603.9	NA	821.8
2006-07	229.6	6.2	0.6	NA	26.5	70.8	70.2	-	NA	1118.8
Rank	8	15	16	-	13	10	11	-	-	3
AGR	2.1	1.2	-3.3	1.6	-10.1	2.7	5.4	1.7	4.0	4.3

Table 4.19 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	722.7	619.2	163.1	NA	NA	261.3	172.5	9.9	184.8	NA	3464.9
1978-79	NA	928.1	590.4	437.3	NA	NA	193.6	300.2	14.9	328.9	NA	4123.9
1979-80	NA	744.0	549.6	373.4	NA	NA	185.8	352.4	25.3	464.1	NA	3778.2
1980-81	NA	816.4	486.2	463.7	NA	NA	163.1	388.1	26.9	541.8	NA	4442.7
1981-82	NA	1081.5	732.6	444.8	NA	NA	223.7	314.9	12.4	337.8	NA	4473.4
1982-83	NA	823.0	671.2	312.7	NA	NA	131.1	327.8	18.5	388.0	NA	3782.2
1983-84	NA	22.4	8.4	30.0	NA	NA	3.5	10.4	0.4	26.6	7.8	134.1

Table 4.19 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1984-85	NA	1171.5	918.6	38.8	NA	NA	220.9	292.5	19.5	404.5	NA	4333.8
1985-86	NA	2034.6	1519.4	672.5	NA	NA	342.5	506.5	34.3	510.6	0.2	7389.8
1986-87	NA	1111.9	1069.3	382.6	NA	NA	170.5	310.6	31.2	428.2	1.8	4950.4
1987-88	38.2	926.6	48.7	162.7	NA	NA	35.9	356.8	25.8	427.7	1.9	3637.6
1988-89	12.0	1160.4	1000.3	347.7	NA	NA	187.8	395.1	20.4	437.4	Less than 50 bales	4530.7
1989-90	17.3	1462.8	1288.9	276.5	NA	NA	163.6	318.4	42.4	498.2	-	5003.3
1990-91	20.9	1542.5	1379.5	299.1	NA	NA	218.7	266.7	22.4	478.7	NA	5496.3
1991-92	43.9	1928.9	1183.3	498.9	NA	NA	323.3	284.4	26.2	535.5	-	6372.7
1992-93	8.3	1571.2	1137.9	471.5	NA	NA	254.5	332.4	20.4	410.2	-	5347.2
1993-94	21.0	1551.8	1428.9	499.0	NA	NA	186.1	155.5	17.3	424.4	-	5569.0
1994-95	15.5	1491.0	1522.4	425.9	NA	NA	268.2	355.0	22.3	50.8	-	5934.4
1995-96	13.5	1366.4	1534.9	366.2	NA	NA	234.1	251.8	16.9	618.0	-	5671.3
1996-97	14.5	1775.5	1867.6	NA	461.7	97.9	254.6	364.8	16.2	648.5	-	7506.0
1997-98	10.3	1721.8	1791.6	NA	476.6	135.3	271.9	395.7	20.0	884.5	-	7549.7
1998-99	26.4	1682.5	1982.8	NA	462.3	86.5	188.5	394.9	21.3	630.0	-	7373.6
1999-00	7.7	1810.7	1943.3	NA	508.4	124.8	239.5	403.1	22.5	710.3	-	7593.7
2000-01	18.1	1702.8	1901.5	NA	457.5	146.1	248.1	401.5	18.1	782.6	-	7428.4
2001-02	16.6	2030.6	2010.0	NA	611.1	182.5	370.8	510.3	30.9	904.3	-	8836.2
2002-03	16.7	1925.4	1997.1	NA	584.3	184.0	372.4	483.8	28.8	739.3	-	8505.5
2003-04	50.7	1868.2	2070.5	NA	666.5	220.5	341.9	394.7	29.1	652.3	-	8366.7
2004-05	12.2	1714.9	1963.3	NA	632.7	208.9	324.1	397.2	27.4	623.2	-	7853.2
2005-06	19.6	1806.4	1865.6	NA	644.9	185.6	298.1	505.1	31.0	764.2	-	7989.2
2006-07	7.8	1886.9	1972.1	NA	650.0	204.6	341.3	446.7	31.4	761.9	-	8411.5
Rank	14	2	1	-	5	9	7	6	12	4	-	-
AGR	-4.2	5.6	7.5	6.9	4.1	10.9	1.1	5.5	7.5	10.8	-18.9	4.9

Source and *Note:* As in Table 4.7

Table 4.20 Production of Boro Rice in Districts of West Bengal, 1977-78 to 2006-07 (thousand tonnes)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	183.8	72.9	11.0	146.1	NA	NA	25.5	133.5	115.8	NA
1978-79	282.7	90.6	26.9	227.5	NA	NA	63.4	183.6	146.6	NA
1979-80	80.0	21.0	4.1	144.8	NA	NA	30.0	88.4	118.0	NA
1980-81	216.4	55.7	8.5	136.3	NA	NA	15.0	134.0	102.2	NA
1981-82	80.3	18.3	6.9	171.3	NA	NA	21.4	100.6	120.5	NA
1982-83	94.4	18.3	10.7	229.1	NA	NA	35.3	99.6	178.7	NA
1983-84	226.9	49.1	26.9	258.6	NA	NA	57.6	147.8	221.8	NA
1984-85	225.0	36.5	14.0	252.7	NA	NA	51.4	120.9	181.6	NA
1985-86	232.0	49.1	34.4	298.9	NA	NA	67.0	132.8	197.4	NA
1986-87	302.8	122.9	81.2	451.1	NA	NA	78.1	130.2	273.7	NA

Table 4.20 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1987-88	424.8	85.9	76.2	464.6	NA	NA	119.4	179.4	NA	219.7
1988-89	303.9	82.2	42.9	341.4	NA	NA	99.8	120.6	NA	244.0
1989-90	325.2	101.4	88.3	366.3	NA	NA	99.9	142.9	NA	249.8
1990-91	325.1	105.6	112.3	601.2	NA	NA	132.0	189.4	NA	239.7
1991-92	391.2	84.8	110.3	583.2	NA	NA	187.5	198.4	NA	254.7
1992-93	298.7	61.5	114.7	523.8	NA	NA	152.5	161.9	NA	258.0
1993-94	506.7	160.8	136.1	658.8	NA	NA	146.6	238.3	NA	268.3
1994-95	493.8	95.2	112.6	574.2	NA	NA	102.5	250.8	NA	242.2
1995-96	535.4	171.3	171.0	665.4	NA	NA	116.0	251.3	NA	276.3
1996-97	579.5	94.4	86.1	689.6	NA	NA	122.6	196.7	NA	276.2
1997-98	691.7	158.9	135.6	643.3	NA	NA	135.1	245.7	NA	135.7
1998-99	882.3	272.1	157.8	810.2	NA	NA	134.8	292.4	NA	241.7
1999-00	773.6	238.3	126.4	NA	440.4	364.0	170.3	296.6	NA	345.5
2000-01	839.3	176.9	130.9	NA	510.8	299.4	132.8	261.1	NA	341.7
2001-02	719.6	229.9	140.0	NA	456.8	248.7	125.3	294.6	NA	316.3
2002-03	650.3	227.7	113.1	NA	399.5	316.1	140.6	246.2	NA	276.6
2003-04	699.2	220.0	105.8	NA	460.3	335.7	151.9	270.0	NA	265.3
2004-05	609.4	219.5	103.0	NA	417.1	370.4	132.1	317.2	NA	276.2
2005-06	558.4	154.9	127.1	NA	433.2	361.9	133.6	289.5	NA	283.9
2006-07	721.9	223.4	139.2	NA	471.4	436.4	110.8	298.8	NA	271.8
Rank	1	11	12	-	3	4	14	6	-	7
AGR	10.1	7.1	40.2	21.6	1.0	2.8	11.5	4.3	15.2	1.2

Table 4.20 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	65.2	46.1	14.0	NA	NA	65.4	N.A	-	1.3	1.4	882.0
1978-79	NA	97.9	71.5	14.8	NA	NA	54.6	N.A	-	1.6	1.9	1263.6
1979-80	NA	80.7	54.4	11.8	NA	NA	44.8	N.A	-	1.8	0.5	680.3
1980-81	NA	73.1	55.8	9.2	NA	NA	58.1	0.3	0.9	0.3	0.3	865.2
1981-82	NA	89.9	71.7	17.7	NA	NA	57.4	N.A	-	0.3	0.9	757.2
1982-83	NA	87.3	52.0	16.3	NA	NA	64.6	0.4	-	0.9	N.A	887.6
1983-84	NA	144.4	82.1	33.0	NA	NA	80.5	0.2	-	0.5	0.7	1330.2
1984-85	NA	152.8	92.8	30.9	NA	NA	106.8	0.6	-	0.5	3.5	1270.0
1985-86	NA	182.0	96.6	37.0	NA	NA	98.0	0.5	1.0	1.2	0.5	1427.2
1986-87	NA	24.1	134.3	74.3	NA	NA	159.6	1.6	-	5.2	2.8	2058.8
1987-88	102.6	267.4	196.4	134.7	NA	NA	199.8	4.1	-	11.6	2.7	2489.3
1988-89	99.6	207.6	182.0	70.2	NA	NA	133.3	0.6	0.1	21.1	0.6	1951.2
1989-90	96.6	199.4	139.3	172.4	NA	NA	172.4	2.7	-	25.8	2.7	2261.2
1990-91	113.5	306.9	176.6	151.7	NA	NA	182.1	7.2	0.5	18.5	7.2	2664.4

Table 4.20 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1991-92	134.7	185.1	135.3	167.1	NA	NA	205.2	4.8	-	23.0	4.8	2862.5
1992-93	123.8	185.3	156.1	187.5	NA	NA	155.6	3.1	5.4	27.8	3.1	2575.0
1993-94	117.8	206.2	161.6	201.3	NA	NA	216.2	5.6	4.4	26.2	5.6	3241.5
1994-95	122.8	122.8	361.2	215.1	NA	NA	189.8	6.1	6.1	26.9	3.1	3013.0
1995-96	139.8	351.0	368.6	219.0	NA	NA	203.5	7.4	0.2	35.1	5.9	3417.3
1996-97	150.7	150.7	344.8	266.8	NA	NA	204.9	7.7	0.3	40.4	2.0	3294.9
1997-98	176.9	291.5	171.1	220.3	NA	NA	207.4	12.9	0.4	38.9	7.8	3569.5
1998-99	516.4	367.9	338.4	126.8	NA	NA	253.6	19.1	1.4	83.1	4.1	4922.0
1999-00	216.3	454.5	337.3	NA	273.5	99.7	225.1	16.0	1.0	81.0	8.7	4468.4
2000-01	226.2	506.4	382.5	NA	290.5	116.2	235.1	14.2	1.2	73.7	2.4	4541.3
2001-02	235.8	534.5	383.7	NA	266.5	100.9	239.5	48.9	2.1	69.7	2.1	4414.9
2002-03	212.3	552.8	360.5	NA	265.3	96.5	234.0	38.4	2.6	64.5	1.6	4198.6
2003-04	219.9	397.4	431.1	NA	274.1	110.6	222.4	28.9	2.5	90.2	4.1	4289.4
2004-05	184.2	366.5	513.4	NA	263.9	118.9	237.2	34.1	2.2	89.0	2.8	4257.1
2005-06	157.0	349.8	473.7	NA	252.1	113.4	231.2	43.3	2.4	78.2	2.8	4047.0
2006-07	229.9	352.1	475.7	NA	263.8	133.9	258.7	43.0	3.2	83.4	3.3	4520.6
Rank	10	5	2	-	8	13	9	16	18	15	17	-
AGR	6.5	15.2	32.1	38.4	-0.5	4.9	10.2	547.4	9.8	217.8	4.7	14.2

Source and Note: As in Table 4.7

Table 4.21 Production of Total Pulses in Districts of West Bengal, 1977-78 to 2007-08 (thousand tonnes)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1977-78	11.7	11.4	4.7	26.9	NA	NA	6.0	4.1	21.9	NA
1978-79	8.2	6.3	4.2	25.6	NA	NA	8.2	3.2	22.8	NA
1979-80	8.2	7.1	3.1	24.7	NA	NA	6.1	4.8	24.3	NA
1980-81	7.6	5.4	3.7	15.9	NA	NA	6.7	3.3	23.1	NA
1981-82	5.2	5.2	3.0	21.4	NA	NA	3.7	3.5	15.7	NA
1982-83	4.5	3.4	2.6	11.9	NA	NA	3.9	2.5	13.5	NA
1983-84	5.3	4.8	3.0	15.5	NA	NA	6.1	3.2	19.5	NA
1984-85	6.2	4.4	2.3	17.7	NA	NA	5.7	2.7	21.6	NA
1985-86	8.0	6.0	3.4	21.3	NA	NA	9.3	3.3	18.0	NA
1986-87	4.2	2.2	3.0	10.0	NA	NA	4.2	0.7	9.4	NA
1987-88	3.0	6.1	2.5	19.5	NA	NA	3.4	0.8	14.8	9.4
1988-89	3.7	3.7	1.8	15.1	NA	NA	2.5	1.4	6.5	4.1
1989-90	4.7	6.1	1.7	21.3	NA	NA	2.6	1.9	NA	11.3
1990-91	1.4	5.4	1.4	19.1	NA	NA	2.2	0.5	NA	8.6
1991-92	1.0	5.3	1.8	13.0	NA	NA	0.9	0.4	NA	8.2
1992-93	1.1	6.0	2.0	17.0	NA	NA	1.0	0.2	NA	8.6
1993-94	1.1	8.1	1.8	16.5	NA	NA	0.9	0.2	NA	6.2

Table 4.21 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1994-95	1.2	7.1	0.4	9.8	NA	NA	0.5	0.5	NA	3.4
1995-96	0.9	13.9	1.7	12.8	NA	NA	0.4	0.4	NA	5.0
1996-97	4.6	12.9	2.0	15.4	NA	NA	0.3	0.6	NA	7.4
1997-98	4.8	10.5	1.2	13.4	NA	NA	0.4	0.2	NA	6.0
1998-99	3.9	8.6	0.4	10.6	NA	NA	0.2	0.5	NA	6.4
1999-00	4.1	10.5	0.7	10.2	5.3	4.9	0.2	1.2	NA	6.1
2000-01	6.0	16.8	0.9	NA	11.3	8.8	0.4	1.0	NA	10.4
2001-02	3.5	17.9	0.4	NA	9.3	5.1	0.2	0.3	NA	4.8
2002-03	2.4	13.6	0.6	NA	4.4	6.7	0.4	0.4	NA	5.2
2003-04	2.4	18.1	0.6	NA	8.4	6.9	0.2	0.3	NA	4.6
2004-05	1.3	12.4	0.4	NA	11.3	4.8	0.1	0.6	NA	5.1
2005-06	1.1	14.4	0.4	NA	11.2	4.3	0.3	2.3	NA	8.0
2006-07	1.3	15.9	0.2	NA	13.0	3.4	0.5	1.2	NA	7.8
2007-08	0.8	18.2	0.3	NA	8.5	4.3	0.4	0.2	NA	6.5
Rank	13	4	17	-	6	9	15	18	-	7

Table 4.21 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	39.3	68.0	18.8	NA	NA	23.2	4.6	1.2	4.1	8.8	255.1
1978-79	NA	22.0	41.5	17.5	NA	NA	22.5	5.4	1.0	7.2	6.4	202.1
1979-80	NA	35.5	43.9	16.1	NA	NA	28.4	5.2	1.6	8.1	3.6	232.4
1980-81	NA	43.6	45.6	19.8	NA	NA	37.3	4.5	0.9	4.7	7.1	238.2
1981-82	NA	24.6	48.5	12.6	NA	NA	20.4	6.2	1.2	4.2	7.7	191.1
1982-83	NA	26.6	46.1	13.9	NA	NA	20.9	3.7	0.6	4.7	5.0	164.2
1983-84	NA	39.4	57.6	10.2	NA	NA	21.5	3.4	0.5	4.2	7.3	201.5
1984-85	NA	30.6	35.8	8.2	NA	NA	15.6	3.5	0.5	3.9	5.8	171.5
1985-86	NA	32.2	47.9	10.5	NA	NA	16.3	3.8	0.5	4.6	7.5	203.2
1986-87	NA	35.6	85.1	5.9	NA	NA	23.2	2.8	0.9	6.4	9.7	149.3
1987-88	5.4	39.4	31.3	9.4	NA	NA	38.8	2.2	0.7	5.3	8.4	182.0
1988-89	2.4	44.2	33.8	8.7	NA	NA	31.3	1.8	0.9	5.6	10.4	181.4
1989-90	8.0	48.9	30.6	10.5	NA	NA	42.3	2.6	0.6	6.6	12.7	212.4
1990-91	3.2	49.7	29.6	10.9	NA	NA	38.5	2.9	0.6	5.7	13.7	193.4
1991-92	6.3	38.0	25.0	11.5	NA	NA	45.0	2.1	0.7	6.5	9.3	175.0
1992-93	3.6	43.1	44.7	13.0	NA	NA	37.3	1.9	1.2	6.0	12.2	198.9
1993-94	6.8	26.2	31.4	16.1	NA	NA	36.2	2.0	1.2	7.0	9.1	170.8
1994-95	4.8	31.1	33.1	15.0	NA	NA	65.4	1.5	0.8	4.6	4.8	135.0
1995-96	3.2	30.7	36.4	8.1	NA	NA	15.1	1.2	0.9	4.7	7.0	142.5
1996-97	4.9	33.2	37.6	13.1	NA	NA	21.0	3.8	1.1	7.0	8.0	172.9
1997-98	3.0	22.6	36.3	11.6	NA	NA	20.8	4.3	1.4	4.9	11.3	152.7
1998-99	2.2	26.8	35.9	8.1	NA	NA	9.2	2.7	1.1	5.7	4.0	126.5

Table 4.21 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1999-00	5.3	30.1	36.7	6.3	3.7	2.6	11.3	3.5	1.3	6.0	8.1	141.6
2000-01	6.9	44.2	56.3	NA	4.6	2.5	29.6	4.4	1.2	7.0	7.2	219.5
2001-02	6.6	38.4	34.7	NA	10.7	2.2	25.6	1.9	1.3	5.7	6.5	175.1
2002-03	8.2	53.0	30.5	NA	3.5	2.2	23.9	2.3	1.4	5.0	4.2	167.9
2003-04	6.8	51.9	61.8	NA	4.2	2.6	26.8	3.0	1.5	5.2	6.3	211.6
2004-05	5.7	35.0	43.7	NA	2.7	0.4	27.1	2.6	1.2	4.5	8.4	167.3
2005-06	5.9	38.5	47.1	NA	2.6	0.3	21.7	2.0	1.2	8.2	4.5	174.5
2006-07	6.4	28.2	36.1	NA	2.7	0.2	22.4	2.1	1.2	4.8	6.2	154.3
2007-08	10.6	28.8	41.7	NA	1.5	0.4	24.2	2.2	0.7	3.7	4.9	158.0
Rank	5	2	1	-	12	16	3	11	14	10	8	-

Source and Note: As in Table 4.7

Table 4.22 Production of Total Foodgrains in Districts of West Bengal, 1977-78 to 2007-08 (thousand tonnes)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	1058.6	819.4	665.7	1297.6	NA	NA	153.4	500.4	969.2	NA
1978-79	1072.3	689.3	566.4	1192.0	NA	NA	99.5	384.1	1104.8	NA
1979-80	786.3	650.6	367.0	104.0	NA	NA	134.2	389.6	785.2	NA
1980-81	1028.4	634.9	613.8	1289.2	NA	NA	159.6	524.7	963.8	NA
1981-82	732.7	500.1	410.0	913.7	NA	NA	104.5	391.5	667.4	NA
1982-83	744.1	365.2	309.2	824.6	NA	NA	117.8	331.2	671.1	NA
1983-84	1111.4	682.4	615.9	1392.8	NA	NA	189.0	487.6	1050.3	NA
1984-85	1091.2	670.9	622.2	1445.2	NA	NA	166.4	488.8	1099.4	NA
1985-86	1043.4	627.9	714.2	1504.7	NA	NA	201.1	494.3	930.7	NA
1986-87	1208.5	645.8	660.0	1532.6	NA	NA	197.4	478.6	889.7	NA
1987-88	1270.0	801.9	725.4	1764.1	NA	NA	224.8	430.6	NA	673.6
1988-89	1421.7	908.9	793.5	1898.7	NA	NA	250.1	588.6	NA	676.7
1989-90	1388.2	850.2	851.6	1924.3	NA	NA	232.0	569.6	NA	703.1
1990-91	1427.5	844.1	866.6	1558.7	NA	NA	234.9	612.7	NA	674.2
1991-92	1538.9	796.9	967.3	2280.7	NA	NA	326.8	694.2	NA	771.3
1992-93	1412.7	814.3	901.3	2095.5	NA	NA	272.0	604.8	NA	735.6
1993-94	1646.7	873.5	933.8	2135.5	NA	NA	261.1	701.5	NA	773.7
1994-95	1703.0	842.9	994.1	2321.5	NA	NA	219.2	752.0	NA	698.5
1995-96	1678.4	881.8	1072.6	2131.9	NA	NA	181.7	691.2	NA	676.3
1996-97	1756.7	925.3	1058.6	2398.1	NA	NA	216.6	652.0	NA	700.7
1997-98	1943.0	1090.3	1211.4	2344.1	NA	NA	243.6	775.5	NA	703.4
1998-99	2156.0	1249.5	941.4	2095.6	NA	NA	236.2	746.6	NA	887.4
1999-00	1869.0	1110.3	1010.7	NA	1062.6	1386.3	296.6	769.6	NA	852.7
2000-01	1592.9	892.1	1016.7	NA	1253.3	1385.4	226.7	508.4	NA	685.2
2001-02	1945.8	1247.9	1248.3	NA	1280.2	1481.7	288.8	850.3	NA	894.4
2002-03	1945.1	1241.2	941.9	NA	977.6	1576.2	282.0	780.1	NA	778.3
2003-04	2023.7	1208.3	888.2	NA	1017.1	1538.9	333.7	794.7	NA	732.5
2004-05	1904.6	1175.6	974.7	NA	1077.8	1767.3	306.7	859.0	NA	704.2

Table 4.22 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
2005-06	1974.9	1206.8	1028.2	NA	798.9	1657.0	286.6	853.0	NA	741.6
2006-07	1974.9	1299.6	1153.6	NA	1059.4	1819.3	244.9	851.3	NA	750.7
2007-08	1866.3	1334.4	1182.8	NA	831.7	1820.3	260.8	846.8	NA	769.7
Rank	1	4	5	-	8	2	17	6	-	12
AGR	2.5	2.1	2.6	2.9	-2.7	3.9	2.3	2.3	-0.9	0.7

Table 4.22 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	467.0	818.8	605.8	NA	NA	429.7	348.2	105.3	358.5	372.0	8970.5
1978-79	NA	377.4	647.9	508.8	NA	NA	347.2	292.5	91.4	351.4	319.1	8044.5
1979-80	NA	437.0	754.1	475.4	NA	NA	365.1	255.1	89.9	282.7	159.1	7062.1
1980-81	NA	398.6	600.0	602.4	NA	NA	386.3	319.7	98.8	303.8	357.9	8281.0
1981-82	NA	433.7	651.0	493.2	NA	NA	336.7	274.3	95.7	300.1	254.3	8559.2
1982-83	NA	380.9	524.2	521.2	NA	NA	363.0	206.1	92.6	274.1	143.0	5869.2
1983-84	NA	598.4	824.2	649.6	NA	NA	454.2	309.1	115.2	349.2	340.6	9170.1
1984-85	NA	614.0	805.2	619.9	NA	NA	451.6	311.7	123.5	351.5	390.2	9256.9
1985-86	NA	580.6	746.4	631.6	NA	NA	448.0	299.4	113.7	326.1	465.7	9127.9
1986-87	NA	680.3	710.3	719.0	NA	NA	524.9	282.8	269.4	383.5	428.0	9610.8
1987-88	575.5	655.4	768.3	581.2	NA	NA	462.6	353.6	104.7	367.8	446.0	10305.5
1988-89	662.3	757.6	1003.9	725.0	NA	NA	542.8	315.8	126.1	449.2	394.4	11515.1
1989-90	715.0	779.0	953.8	858.3	NA	NA	569.0	354.1	171.7	472.1	464.5	11856.5
1990-91	513.9	830.1	995.0	846.8	NA	NA	633.2	275.2	121.1	432.4	403.7	11270.1
1991-92	789.1	809.2	973.1	828.2	NA	NA	600.5	385.2	228.3	433.4	433.3	12856.4
1992-93	764.5	806.3	1072.1	885.1	NA	NA	574.5	374.0	175.9	434.0	466.5	12389.1
1993-94	712.6	883.9	1029.5	945.3	NA	NA	706.6	350.0	213.4	459.3	474.4	13100.8
1994-95	800.6	846.1	1095.8	935.1	NA	NA	652.4	340.6	205.3	383.5	524.4	13279.0
1995-96	671.2	864.0	1055.1	884.1	NA	NA	682.4	340.0	148.0	418.5	509.0	12886.2
1996-97	795.8	869.8	1278.7	1016.3	NA	NA	702.8	318.7	119.1	441.9	506.7	13757.8
1997-98	639.8	888.2	1217.8	1013.5	NA	NA	735.8	361.2	148.6	407.7	630.4	14354.3
1998-99	754.2	983.2	1312.8	1129.8	NA	NA	638.0	336.2	135.3	407.0	358.3	14367.5
1999-00	941.0	967.5	1204.0	NA	660.2	448.1	657.2	439.2	113.3	480.3	577.0	14845.6
2000-01	879.5	843.5	979.8	NA	721.1	495.0	688.7	441.5	114.6	574.6	516.2	13815.2
2001-02	1012.7	1116.4	1439.8	NA	649.3	451.8	704.2	462.0	124.5	519.9	783.2	16501.2
2002-03	951.3	1179.9	1395.7	NA	675.7	485.2	705.1	477.8	110.3	509.6	509.6	15522.6
2003-04	981.5	1034.1	1530.2	NA	821.2	544.6	756.1	455.8	113.8	559.7	675.1	16009.2
2004-05	924.5	907.1	1499.8	NA	806.7	573.4	855.7	432.1	109.3	522.6	706.2	16107.3
2005-06	856.7	875.8	1534.6	NA	827.5	537.6	791.2	451.2	106.6	600.5	558.6	15688.0
2006-07	921.4	819.3	1372.5	NA	741.2	472.6	635.5	477.6	108.3	511.6	760.6	15974.8
2007-08	812.8	829.8	1518.2	NA	846.0	523.7	667.3	439.4	116.5	610.0	784.0	16060.5
Rank	10	9	3	-	7	15	13	16	18	14	11	-
AGR	2.1	2.6	2.8	4.1	3.5	2.1	1.8	0.9	0.4	2.3	3.7	2.6

Source and Note: As in Table 4.7

Table 4.23 Production of Total Oilseeds in Districts of West Bengal, 1977-78 to 2006-07 (thousand tonnes)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1977-78	8.6	5.7	9.9	6.0	NA	NA	2.7	7.2	4.7	NA
1978-79	10.0	3.8	5.7	7.0	NA	NA	3.1	5.0	5.8	NA
1979-80	17.6	6.5	8.9	5.0	NA	NA	2.1	5.9	5.6	NA
1980-81	28.1	13.8	11.9	9.4	NA	NA	4.0	12.0	8.5	NA
1981-82	41.1	14.2	10.9	12.6	NA	NA	3.3	12.1	9.7	NA
1982-83	31.9	7.7	9.7	8.4	NA	NA	2.4	18.1	7.9	NA
1983-84	31.7	15.0	11.6	13.6	NA	NA	2.4	15.4	12.8	NA
1984-85	24.1	20.2	21.5	14.9	NA	NA	1.8	10.9	14.8	NA
1985-86	36.6	24.3	17.1	13.4	NA	NA	1.7	18.2	18.9	NA
1986-87	27.6	42.5	17.3	22.6	NA	NA	1.5	24.5	20.8	NA
1987-88	86.6	47.2	28.7	33.3	NA	NA	8.7	58.0	43.2	38.0
1988-89	48.6	46.9	16.5	32.4	NA	NA	3.6	24.3	33.8	31.0
1989-90	52.3	53.2	20.1	39.9	NA	NA	3.1	28.7	NA	37.5
1990-91	53.6	39.4	33.6	44.9	NA	NA	2.3	34.1	NA	35.1
1991-92	40.8	22.5	26.4	37.8	NA	NA	4.9	39.3	NA	37.4
1992-93	39.6	25.5	29.1	54.6	NA	NA	5.8	29.6	NA	42.9
1993-94	38.0	30.6	20.6	52.4	NA	NA	3.4	42.8	NA	45.4
1994-95	40.7	18.5	18.2	56.0	NA	NA	4.0	27.5	NA	39.9
1995-96	27.3	16.8	18.4	72.4	NA	NA	1.9	27.2	NA	25.9
1996-97	35.3	24.5	20.3	66.5	NA	NA	1.9	31.4	NA	34.2
1997-98	29.0	19.3	21.2	68.9	NA	NA	2.7	27.1	NA	31.8
1998-99	29.8	27.7	19.5	55.4	NA	NA	2.1	20.9	NA	30.6
1999-00	35.9	27.7	17.1	NA	26.8	29.2	2.5	16.1	NA	37.9
2000-01	58.4	42.1	21.2	NA	30.2	52.7	4.3	31.5	NA	45.7
2001-02	44.5	38.8	18.0	NA	30.0	49.5	3.7	27.6	NA	37.7
2002-03	43.0	36.5	19.5	NA	16.9	56.8	2.9	22.0	NA	33.9
2003-04	55.4	43.1	34.8	NA	31.3	76.5	6.0	39.4	NA	40.0
2004-05	40.8	33.0	18.6	NA	27.3	78.4	4.4	34.8	NA	35.8
2005-06	42.1	34.3	19.4	NA	31.6	79.6	7.2	36.6	NA	48.7
2006-07	46.7	38.7	26.5	NA	36.7	99.4	9.3	39.9	NA	44.6
Rank	4	8	10	-	9	2	15	7	-	5
AGR	15.3	20.0	5.8	39.2	5.3	34.3	8.4	15.7	81.9	2.4

Table 4.23 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	11.0	16.4	13.2	NA	NA	7.6	1.9	0.1	1.8	0.8	97.8
1978-79	NA	11.0	15.3	14.2	NA	NA	6.4	2.7	0.2	3.2	1.2	94.7
1979-80	NA	8.4	14.8	10.7	NA	NA	6.6	3.1	0.4	2.5	0.8	99.0
1980-81	NA	16.7	20.4	11.2	NA	NA	7.2	2.8	0.4	2.9	1.0	150.4

Table 4.23 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1981-82	NA	18.4	25.0	14.3	NA	NA	5.7	3.3	0.7	3.7	0.7	175.8
1982-83	NA	24.7	24.3	21.8	NA	NA	8.3	4.3	0.6	4.8	0.5	176.2
1983-84	NA	23.2	22.1	26.0	NA	NA	10.0	5.4	0.6	4.0	1.8	195.6
1984-85	NA	39.3	24.1	30.8	NA	NA	11.2	6.2	0.7	2.8	1.9	236.2
1985-86	NA	29.5	27.9	133.0	NA	NA	10.6	4.6	0.7	3.4	2.3	233.6
1986-87	NA	32.8	33.3	23.1	NA	NA	13.3	3.9	0.3	4.3	3.5	263.6
1987-88	5.2	62.1	53.3	47.1	NA	NA	22.2	7.3	0.4	3.4	4.3	503.7
1988-89	2.8	52.3	55.6	48.9	NA	NA	19.3	5.8	1.1	8.0	6.4	403.2
1989-90	2.7	50.2	48.3	40.5	NA	NA	22.9	5.6	1.0	6.3	5.7	418.0
1990-91	4.9	63.8	50.4	49.9	NA	NA	21.7	7.6	1.3	5.3	5.6	453.5
1991-92	6.4	66.1	49.4	41.8	NA	NA	24.4	8.3	0.8	8.0	6.4	450.7
1992-93	4.0	69.6	38.8	42.5	NA	NA	8.9	9.3	0.5	6.1	4.0	410.8
1993-94	3.8	64.8	45.0	39.8	NA	NA	11.0	5.4	1.0	7.8	4.0	415.8
1994-95	6.1	82.7	50.7	42.7	NA	NA	12.5	5.3	0.6	6.9	6.4	414.3
1995-96	2.5	82.9	44.6	27.4	NA	NA	9.4	5.2	0.4	6.2	2.3	370.8
1996-97	2.4	88.3	56.5	33.0	NA	NA	19.4	4.5	0.3	6.7	3.0	428.1
1997-98	5.0	75.6	44.9	NA	21.2	7.2	17.7	5.6	0.4	6.1	3.0	386.6
1998-99	3.5	77.2	50.2	NA	20.7	11.6	14.3	6.6	0.1	6.7	2.2	379.1
1999-00	5.5	79.2	51.6	NA	22.1	16.4	20.0	6.4	0.2	9.1	2.2	505.9
2000-01	4.0	100.0	72.1	NA	32.4	21.0	38.1	7.6	0.2	7.7	1.5	570.7
2001-02	4.6	80.1	58.6	NA	29.7	17.1	37.0	6.3	0.3	7.2	2.3	493.0
2002-03	7.0	104.4	55.6	NA	21.8	14.4	26.3	5.9	0.2	6.9	1.8	475.8
2003-04	6.9	105.3	96.6	NA	32.3	20.9	36.4	8.3	0.3	16.1	2.1	651.7
2004-05	10.3	91.6	79.3	NA	25.1	19.3	33.4	8.9	0.2	13.4	2.2	556.8
2005-06	14.9	99.2	97.8	NA	27.8	17.6	42.3	8.6	0.2	12.1	3.3	623.3
2006-07	15.2	102.6	86.2	NA	20.7	13.5	40.7	7.8	0.3	12.0	4.7	645.4
Rank	12	1	3	-	11	13	6	16	18	14	17	-
AGR	24.6	28.7	14.7	7.9	-0.3	9.7	15.0	10.7	6.9	19.5	16.8	19.3

Source and Note: As in Table 4.7

Table 4.24 Production of Potato in Districts of West Bengal, 1977-78 to 2006-07 (thousand tonnes)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1977-78	447.0	90.9	90.4	256.0	NA	NA	66.7	567.0	70.8	NA
1978-79	574.5	90.1	137.8	304.8	NA	NA	91.3	732.6	95.6	NA
1979-80	606.4	77.4	86.9	227.5	NA	NA	40.0	726.2	56.8	NA
1980-81	479.0	58.3	115.9	252.3	NA	NA	39.5	762.8	80.8	NA
1981-82	548.7	85.3	76.5	262.1	NA	NA	31.5	712.3	57.6	NA
1982-83	630.3	76.1	94.8	271.1	NA	NA	67.5	819.3	57.9	NA
1983-84	773.4	108.1	192.2	472.9	NA	NA	74.7	1051.7	94.6	NA
1984-85	784.2	130.4	155.5	478.9	NA	NA	100.1	1088.0	99.0	NA

Table 4.24 (Continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1985-86	604.1	98.9	165.2	400.4	NA	NA	61.6	1083.1	91.7	NA
1986-87	666.1	152.6	254.8	663.4	NA	NA	100.9	1201.9	104.4	NA
1987-88	899.0	224.3	262.8	736.1	NA	NA	125.9	1145.4	NA	70.8
1988-89	1002.6	204.6	233.8	952.0	NA	NA	108.8	1377.1	NA	122.5
1989-90	957.3	230.6	324.2	934.7	NA	NA	108.9	1574.2	NA	53.9
1990-91	1017.0	171.9	510.5	763.6	NA	NA	101.6	1486.1	NA	58.8
1991-92	705.9	127.3	433.1	1277.8	NA	NA	72.0	1775.2	NA	72.1
1992-93	911.0	165.5	347.7	1129.5	NA	NA	52.3	1601.7	NA	67.2
1993-94	912.6	190.7	443.8	1288.9	NA	NA	87.3	1630.3	NA	96.3
1994-95	903.0	141.8	405.8	1411.4	NA	NA	137.7	1898.8	NA	65.1
1995-96	1019.4	231.9	452.8	1527.9	NA	NA	145.5	2079.3	NA	77.3
1996-97	1243.2	261.0	574.3	1956.0	NA	NA	197.3	3024.6	NA	152.5
1997-98	909.8	180.9	387.7	1574.5	NA	NA	194.9	1520.3	NA	131.4
1998-99	917.8	248.3	530.7	1515.5	NA	NA	141.9	1645.6	NA	166.9
1999-00	1242.1	329.9	637.8	NA	530.2	1332.1	219.3	1725.7	NA	159.8
2000-01	1115.0	266.6	571.3	NA	441.7	1154.9	246.9	2337.7	NA	187.0
2001-02	1217.3	273.2	522.9	NA	488.0	1335.4	198.4	2356.4	NA	138.1
2002-03	1423.1	279.9	444.1	NA	82.0	1841.8	301.8	783.6	NA	163.4
2003-04	1235.0	206.6	370.7	NA	48.5	1547.5	177.3	2411.0	NA	144.2
2004-05	1132.5	214.3	539.0	NA	56.7	1268.7	150.1	1807.9	NA	126.0
2005-06	921.2	282.9	650.2	NA	56.9	1519.6	214.1	2350.1	NA	127.3
2006-07	845.5	141.2	456.4	NA	49.6	843.7	74.8	1065.7	NA	113.9
Rank	2	7	5	-	15	3	13	1	-	9
AGR	3.1	1.9	14.0	23.4	-12.9	-5.2	0.4	3.0	5.3	3.2

Table 4.24 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	53.0	82.7	60.4	NA	NA	24.4	28.2	25.1	34.4	14.1	1910.7
1978-79	NA	70.1	108.0	86.8	NA	NA	20.2	39.3	25.2	50.8	17.1	2444.2
1979-80	NA	25.2	79.0	20.6	NA	NA	5.8	8.3	27.4	6.3	0.8	1994.6
1980-81	NA	25.9	73.3	27.1	NA	NA	6.0	6.3	33.5	7.3	4.8	1971.8
1981-82	NA	29.8	72.7	35.4	NA	NA	8.4	10.1	35.9	11.5	6.4	1984.5
1982-83	NA	40.0	83.8	35.7	NA	NA	7.7	9.6	37.7	13.0	5.5	2319.7
1983-84	NA	48.7	87.3	54.4	NA	NA	11.0	15.3	38.3	25.1	10.2	3063.9
1984-85	NA	51.5	88.6	56.7	NA	NA	11.6	20.6	36.1	15.7	8.4	3135.3
1985-86	NA	26.5	97.6	39.3	NA	NA	10.2	15.6	36.9	18.5	8.5	2757.6
1986-87	NA	115.4	113.9	27.1	NA	NA	11.3	17.7	28.3	63.1	21.7	3542.6
1987-88	11.0	17.9	116.2	35.5	NA	NA	19.9	31.2	42.8	30.7	17.5	3787.0
1988-89	21.5	36.6	76.3	60.8	NA	NA	14.1	26.3	61.2	38.2	11.7	4348.1

Table 4.24 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1989-90	15.0	40.8	77.4	58.6	NA	NA	11.2	49.4	35.3	41.3	18.8	4531.6
1990-91	15.6	34.4	107.6	31.7	NA	NA	20.4	49.2	39.7	57.2	16.5	4481.8
1991-92	12.4	43.8	119.7	44.3	NA	NA	25.5	77.9	54.2	91.8	9.9	4942.9
1992-93	16.3	67.4	145.5	21.5	NA	NA	16.1	70.8	75.3	74.2	17.1	4779.1
1993-94	16.3	51.6	114.4	32.5	NA	NA	20.4	74.8	76.5	120.4	14.8	5171.6
1994-95	24.6	48.0	111.3	69.5	NA	NA	22.8	156.5	53.4	100.1	9.9	5558.9
1995-96	23.7	59.3	139.4	61.1	NA	NA	30.7	174.6	60.3	172.4	21.7	6258.0
1996-97	26.4	111.9	159.0	112.2	NA	NA	31.9	320.4	71.6	217.9	12.1	8472.3
1997-98	27.5	112.9	141.5	NA	70.3	40.8	41.8	238.9	98.6	257.7	19.9	5949.4
1998-99	19.6	98.6	169.8	NA	98.2	41.8	42.0	258.8	88.2	583.1	22.8	6689.6
1999-003	92.9	65.9	178.3	NA	102.2	46.9	45.0	329.2	90.5	336.2	18.3	7482.3
2000-01	78.6	93.1	213.7	NA	133.4	87.8	42.8	308.9	97.2	281.7	12.8	7673.1
2001-02	83.5	106.2	174.4	NA	116.3	66.5	44.5	314.9	98.6	275.1	12.7	7822.4
2002-03	62.0	99.6	203.2	NA	202.9	87.2	55.5	483.2	113.1	250.3	25.8	6902.5
2003-04	75.5	95.7	170.7	NA	167.3	65.0	52.2	459.3	102.7	262.1	30.3	7621.6
2004-05	74.5	108.3	245.6	NA	150.7	56.0	48.8	577.2	98.1	427.9	24.3	7106.6
2005-06	32.9	147.5	178.6	NA	167.1	59.3	38.5	348.6	108.5	242.9	16.5	7462.5
2006-07	62.8	120.2	106.7	NA	109.8	42.1	46.1	574.2	110.4	273.1	15.8	5051.9
Rank	14	8	12	-	11	17	16	4	10	6	18	-
AGR	24.8	4.4	1.0	4.5	6.2	0.4	3.1	66.8	11.7	23.9	0.4	5.7

Source and Note: As in Table 4.7

Table 4.25 Production of Fruits in Districts of West Bengal, 2001-02 to 2006-07 (thousand tonnes)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
2001-02	65.1	39.8	28.4	97.1	48.12	44.2	153.9	198.1
2002-03	61.8	39.3	27.3	127.9	46.5	43.2	140.6	215.8
2003-04	69.7	37.7	34.3	137.5	60.3	46.5	148.9	244.9
2004-05	72.0	39.7	36.8	144.4	65.4	47.9	161.9	249.8
2005-06	75.2	44.4	43.1	142.5	71.13	52.1	145.2	297.3
2006-07	71.8	52.5	43.8	129.6	82.8	36.7	158.3	268.8
Rank	13	14	15	10	12	18	7	2

Table 4.25 (Continued)

Year	South 24-Parganas	Nadia	Murshidabad	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
2001-02	103.4	99.6	190.4	-	95.5	290.7	181.1	-	58.8	31.1	1985.5
2002-03	104.8	95.2	110.4	89.10	90.2	102.7	226.6	173.6	61.8	28.7	1785.6
2003-04	120.1	161.7	211.6	107.9	38.1	128.5	198.0	171.7	65.1	33.6	2016.1
2004-05	125.0	169.4	192.8	113.5	39.0	189.5	202.1	176.8	67.1	35.4	2128.3
2005-06	141.7	184.8	233.9	-	42.7	196.5	210.1	-	73.5	39.4	2301.7
2006-07	142.3	428.4	250.5	142.8	41.5	236.9	221.8	205.0	88.7	38.4	2640.5
Rank	9	1	3	8	16	4	5	6	11	17	-

Source: Directorate of Food Processing Industries and Horticulture, Government of West Bengal

Table 4.26 Production of Vegetables in Districts of West Bengal, 2001-02 to 2006-07 (thousand tonnes)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
2001-02	504.8	438.1	-	529.6	542.3	187.9	-	810.3
2002-03	533.5	455.3	721.1	521.5	566.9	192.6	618.3	837.8
2003-04	563.2	534.0	762.9	496.7	590.4	176.9	598.1	771.8
2004-05	566.8	543.7	775.3	502.9	606.0	181.0	597.9	779.4
2005-06	639.1	566.2	-	395.4	575.2	168.2	-	765.7
2006-07	658.2	577.6	855.6	440.5	592.4	159.6	634.0	874.6
Rank	9	12	5	15	11	18	10	4

Table 4.26 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
2001-02	736.3	987.1	1015.4	-	516.7	617.2	535.3	-	626.9	446.6	10252.9
2002-03	763.2	997.9	1024.1	364.58	526.8	620.3	594.4	203.6	652.9	441.1	10635.9
2003-04	740.1	1017.6	1042.5	296.4	518.2	612.1	698.4	223.6	833.5	442.3	10918.9
2004-05	752.7	1036.8	1049.0	296.4	522.2	625.3	705.6	225.4	840.2	453.3	11059.6
2005-06	811.9	1077.1	1152.8	-	553.7	635.5	732.8	-	938.4	471.4	11556.8
2006-07	818.6	1117.6	1190.5	382.6	562.7	745.3	800.1	237.9	896.1	543.9	12087.9
Rank	6	2	1	16	13	8	7	17	3	14	-

Source: As in Table 4.5

4.4 Agricultural Productivity

During 1977-78 to 2006-07 West Bengal recorded increase in yield per acre of total rice, boro rice, pulses, foodgrains, potato, jute, fruits and vegetables. Districts of the State, however, presented somewhat differential scenario in yield per acre of these crops. While all the districts excepting Purba Medinipur recorded increase in yield per acre of rice during 1977-78 to 2007-08, during 2007-08 Maldah district recorded the highest yield per acre of rice (3261 kg.) followed by Birbhum (3098 kg.), the lowest yield being registered in Purulia (1449kg.). During 1977-78 to 2006-07 North24-Parganas, South 24-Parganas, Howrah and Jalpaiguri districts recorded decrease in yield per acre of boro rice while other districts experienced increase in the same. During 2006-07 Maldah district recorded the highest yield per acre of boro rice followed by Nadia, the lowest being registered in Darjeeling district. During 1977-78 to 2006-07 Paschim Medinipur, Howrah, South Dinajpur and Jalpaiguri registered decrease in yield per acre of pulses while other districts recorded increase in the same during this period. During 2007-08 Birbhum district recorded the highest yield per acre of pulses (1019kg.) followed by Maldah (1000kg.), the lowest yield being registered in Purulia (392 kg.). During 1977-78 to 2006-07 Purba Medinipur district recorded decrease in yield per acre of foodgrains while other districts experienced increase in the same. During 2007-08 Birbhum district recorded the highest yield per acre of foodgrains (3002 kg.) followed by Burdwan (2917 kg.), the lowest yield being registered in Jalpaiguri (1633 kg.). During 1977-78 to 2006-07 the whole of West Bengal and all the districts except Dakshin Dinajpur recorded increase in yield per acre of oilseeds. During 2006-07 Purba Medinipur district recorded the highest yield per acre of oilseeds followed by Howrah, the lowest productivity being registered in Purulia. During 1977-78 to 2006-07 the whole of West Bengal and all the districts except Purba Medinipur, Paschim Medinipur and South 24-Parganas registered increase in yield per acre of jute. During 2007-08 Hooghly district recorded the highest yield per acre of jute followed by North 24-Parganas, the lowest productivity being registered in Coochbehar. During 1977-78 to 2006-07 the whole of West Bengal and all districts except Burdwan, Birbhum, Bankura, Purba Medinipur, Paschim Medinipur, Howrah, Hooghly, Murshidabad and Uttar Dinajpur recorded increase of yield per acre of potato. During 2006-07 Nadia district recorded the highest yield per acre of potato followed by North 24-Parganas, the lowest yield being registered in Birbhum (Table 4.27 to Table 4.33).

Table 4.27 Yield of Rice in Districts of West Bengal, 1977-78 to 2007-08 (Kilogram per hectare)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	1838	1849	1562	1300	NA	NA	1466	1921	1388	NA
1978-79	2252	1785	1415	1262	NA	NA	813	1354	1683	NA
1979-80	1799	1612	1058	1116	NA	NA	1348	1651	1149	NA
1980-81	1825	1643	1556	1390	NA	NA	1677	2011	2954	1674
1981-82	1438	1385	1075	977	NA	NA	1058	1547	993	NA
1982-83	1642	1047	909	887	NA	NA	1274	1471	960	NA
1983-84	2010	1799	1631	1389	NA	NA	1671	1834	144	NA
1984-85	1941	1820	1567	1548	NA	NA	1901	2119	1619	NA
1985-86	1880	1722	1788	1576	NA	NA	1831	1976	1380	NA
1986-87	2275	1883	1734	1564	NA	NA	1657	1993	1302	NA
1987-88	2203	2121	1901	1809	NA	NA	1926	1983	NA	2141
1988-89	2595	2463	2015	1935	NA	NA	2096	2227	NA	2220
1989-90	2521	2297	2042	1946	NA	NA	2008	2211	NA	2290
1990-91	2534	2158	1941	1492	NA	NA	1747	2218	NA	2250
1991-92	2735	2292	1941	2121	NA	NA	2446	2536	NA	2562

Table 4.27 (continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1992-93	2587	2366	2294	2021	NA	NA	2030	2293	NA	2404
1993-94	2710	2243	2115	1966	NA	NA	1847	2462	NA	2503
1994-95	2798	2266	2181	2144	NA	NA	1836	2609	NA	2360
1995-96	2711	2113	2416	1936	NA	NA	1495	2285	NA	2256
1996-97	2781	2449	2465	2168	NA	NA	1857	2500	NA	2342
1997-98	2952	2768	2738	2150	NA	NA	1943	2647	NA	2238
1998-99	3062	2975	2407	1966	NA	NA	1895	2561	NA	2573
1999-00	2740	2645	2419	2186	2125	2235	2206	2459	NA	2507
2000-01	2687	2503	2511	NA	2348	2317	1979	2527	NA	2340
2001-02	2925	2937	2801	NA	2487	2546	2344	2725	NA	2581
2002-03	2983	2856	2901	NA	2417	2417	2142	2556	NA	2615
2003-04	3063	2951	2705	NA	2388	2315	2351	2660	NA	2623
2004-05	2985	2805	2764	NA	2560	2651	2297	2821	NA	2589
2005-06	3081	3029	2619	NA	1896	2492	2278	2739	NA	2589
2006-07	3060	3128	2797	NA	2429	2598	2084	2830	NA	2611
2007-08	2923	3098	2815	NA	2074	2767	2199	2800	NA	2722
Rank	3	2	6	-	13	8	12	7	-	9
AGR	2.0	2.3	2.7	3.2	-0.3	3.0	1.7	1.5	-0.7	1.4

Table 4.27 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	1374	1472	1008	NA	NA	1145	953	1170	842	1253	1382
1978-79	NA	1221	1671	998	NA	NA	1105	974	1054	920	1167	1401
1979-80	NA	1382	1468	912	NA	NA	1135	793	992	722	668	1200
1980-81	1280	1347	1394	1064	NA	NA	1416	1113	1225	1018	1368	1442
1981-82	NA	1427	1340	861	NA	NA	1127	911	1171	952	983	1120
1982-83	NA	1131	925	923	NA	NA	1208	721	908	847	644	1018
1983-84	NA	1549	1476	1094	NA	NA	1431	1021	1350	1084	1322	1478
1984-85	NA	1873	1576	1110	NA	NA	1544	1009	1238	1057	1410	1557
1985-86	NA	2052	1583	1234	NA	NA	1642	1028	1187	1043	1756	1573
1986-87	NA	1929	1537	1379	NA	NA	1663	876	1229	1034	1350	1574
1987-88	1473	1818	1493	1059	NA	NA	1368	1125	962	1144	1609	1693
1988-89	1604	2226	2069	1334	NA	NA	1570	1034	1045	1192	1417	1878
1989-90	1711	2326	2121	1658	NA	NA	1800	1179	1195	1321	1573	1946
1990-91	1220	2539	2219	1608	NA	NA	1866	907	1168	1315	1307	1795
1991-92	1845	2635	2256	1622	NA	NA	1831	1379	1513	1266	1436	2090
1992-93	1791	2403	2273	1700	NA	NA	1837	1309	1386	1284	1476	2010
1993-94	1623	2592	2217	1839	NA	NA	2277	1272	1590	1381	1498	2061
1994-95	1820	2431	2294	1821	NA	NA	2136	1123	1469	1242	1704	2120
1995-96	1572	2404	2163	1655	NA	NA	2078	1236	1274	1272	1588	1997
1996-97	1855	2455	2617	1934	NA	NA	2395	1117	1057	1364	1586	2179
1997-98	1476	2458	2597	2003	NA	NA	2414	1268	1112	1349	1890	2243

Table 4.27 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1998-99	1672	2765	2739	2169	NA	NA	2147	1162	1079	1306	1474	2255
1999-00	2046	2554	2245	NA	1995	1947	2252	1471	1443	1505	1826	2237
2000-01	2036	2836	2446	NA	2220	2218	2360	1473	1549	1772	1812	2287
2001-02	2336	2806	2747	NA	1983	2013	2513	1601	1645	1672	2528	2514
2002-03	2169	2924	2638	NA	2067	2215	2545	1571	1653	1676	2114	2463
2003-04	2167	2713	2760	NA	2368	2447	2745	1655	1835	1866	2172	2504
2004-05	2296	2669	2908	NA	2416	2544	3045	1464	1371	1757	2326	2574
2005-06	2135	2760	2943	NA	2472	2453	2910	1588	1698	1945	1981	2509
2006-07	2195	2707	2609	NA	2301	2412	3051	1824	1866	1862	2607	2593
2007-08	2030	2837	2867	NA	2432	2486	3261	1578	1844	1768	1449	2573
Rank	14	5	4	-	11	10	1	17	15	16	18	-
AGR	1.9	3.5	3.2	5.5	2.7	3.5	6.2	2.2	1.9	3.7	0.5	2.9

Source and Note: As in Table 4.7

Table 4.28 Yield of Boro Rice in Districts of West Bengal, 1977-78 to 2006-07 (Kilogram per hectare)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	2793	3142	2500	2788	NA	NA	3000	2980	3071	NA
1978-79	2830	3259	2402	2883	NA	NA	3154	2896	3048	NA
1979-80	2611	2219	2239	2758	NA	NA	2803	2960	2803	NA
1980-81	2305	2350	1518	2851	NA	NA	2344	2355	2980	2969
1981-82	2371	2276	1493	2675	NA	NA	2351	2434	2712	NA
1982-83	2593	2198	1902	1706	NA	NA	289	2360	2620	NA
1983-84	2529	2446	2173	2271	NA	NA	2549	2527	2704	NA
1984-85	2487	2723	2098	2580	NA	NA	2555	2772	2699	NA
1985-86	2378	2623	2370	2871	NA	NA	2895	2673	3053	NA
1986-87	2865	2880	2097	3066	NA	NA	3062	2678	3006	NA
1987-88	3013	3069	3147	3114	NA	NA	3159	2959	NA	3391
1988-89	2776	2787	2980	2551	NA	NA	2867	2084	NA	3274
1989-90	2262	2181	2036	1665	NA	NA	1970	2054	NA	3286
1990-91	2392	2848	2731	3057	NA	NA	2874	2744	NA	3108
1991-92	2520	2476	2408	2800	NA	NA	2083	2627	NA	3193
1992-93	2367	2583	2208	2792	NA	NA	1911	2142	NA	3172
1993-94	2522	2858	2375	3051	NA	NA	2139	2296	NA	3154
1994-95	3047	95	113	2646	574	103	251	242	NA	2921
1995-96	3026	2558	3007	3046	3025	2915	2517	2578	NA	3069
1996-97	3407	3012	3052	3027	2739	2995	3094	2921	NA	3431
1997-98	3440	3169	3040	2659	-	-	2735	2677	NA	2751
1998-99	3536	3509	2673	2900	-	-	2737	3082	NA	3728
1999-00	3378	3071	2724	NA	2725	2912	2919	2648	NA	3072
2000-01	3819	3440	3331	NA	3027	3018	2745	2937	NA	3133
2001-02	3293	2885	2455	NA	3027	2804	2643	2772	NA	3158

Table 4.28 (continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
2002-03	3008	2865	2981	NA	3235	2874	2636	2506	NA	3118
2003-04	3245	3118	3003	NA	3346	2867	2745	2846	NA	3166
2004-05	3041	2966	2597	NA	3018	3043	2692	3067	NA	3091
2005-06	2695	3173	2307	NA	3084	2969	2624	2688	NA	2937
2006-07	3442	3462	2760	NA	3195	3165	2816	3104	NA	3031
Rank	5	4	15	-	6	7	13	9	-	10
AGR	0.80	0.35	0.36	0.19	1.57	0.79	-0.21	0.14	-0.24	-0.56

Table 4.28 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	3120	3013	2121	NA	NA	2361	-	-	1625	2333	2857
1978-79	NA	3387	2849	1850	NA	NA	1909	-	-	1600	2111	2859
1979-80	NA	3105	2925	2231	NA	NA	1801	-	-	1636	1377	2680
1980-81	3020	2717	2469	1559	NA	NA	2629	3000	-	3000	1500	2497
1981-82	NA	2493	2753	1960	NA	NA	2647	-	1800	2436	2469	2534
1982-83	NA	2815	2330	2159	NA	NA	2913	2711	-	2711	N.A	2591
1983-84	NA	2953	2481	2390	NA	NA	3254	2929	-	2929	2414	2557
1984-85	NA	2097	2785	2387	NA	NA	3443	3116	-	3116	2574	2698
1985-86	NA	3191	2598	2500	NA	NA	3237	2967	-	2967	2644	2786
1986-87	NA	3421	3082	2860	NA	NA	3280	3113	-	2394	2460	3030
1987-88	3062	3254	3289	2887	NA	NA	3515	2983	-	2221	2374	3142
1988-89	2880	3170	3094	1626	NA	NA	2427	2102	2102	2413	1305	2708
1989-90	2730	2145	3212	1246	NA	NA	3344	3166	-	2813	1304	1445
1990-91	2881	3261	3180	2825	NA	NA	3254	2865	3001	2407	901	2973
1991-92	2803	2635	3092	1340	NA	NA	3339	2489	-	2372	1035	1627
1992-93	2587	2646	3141	1536	NA	NA	2874	2917	2917	2540	974	1719
1993-94	2332	2848	3242	1777	NA	NA	3508	2298	3174	2423	1143	1683
1994-95	2409	3517	3166	216.2	NA	NA	3019	2205	2978	2287	1848	3013
1995-96	2694	3288	3589	2665	NA	NA	3217	2252	2801	2029	2256	2946
1996-97	2910	2817	3134	3102	2884	2435	2898	-	-	-	1898	3119
1997-98	2483	3105	3563	NA	2654	2694	3141	2873	2816	2694	2382	2958
1998-99	2988	4126	4037	NA	3907	3471	3549	2918	3500	3072	1323	3393
1999-00	2809	3401	3368	NA	2933	2748	3148	2419	2712	2749	2418	3031
2000-01	2710	3429	3525	NA	3144	3108	3312	2112	2587	2591	2399	3240
2001-02	2868	3423	3413	NA	2846	2681	3391	2303	2045	2469	1800	3034
2002-03	2791	3479	3131	NA	2773	2620	3596	1833	1601	2324	2092	2986
2003-04	2842	3344	3291	NA	2781	2921	3544	1913	2060	2524	2280	3086
2004-05	3296	3336	3658	NA	2982	2960	3670	1721	1910	2294	2094	3093
2005-06	2869	3253	3441	NA	2824	2740	3423	2239	1870	2372	2308	2928
2006-07	2988	3483	3464	NA	2957	3163	3825	2347	2071	2775	2484	3226
Rank	11	2	3		12	8	1	17	18	14	16	-
AGR	-0.13	0.40	0.52	2.43	0.09	1.68	2.14	-0.84	0.60	2.44	0.22	0.45

Source and Note: As in Table 4.7

Table 4.29 Yield of Total Pulses in Districts of West Bengal, 1980-81 to 2007-08 (Kilogram per hectare)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24 -Parganas
1980-81	509	429	458	286	NA	NA	569	500	445
1985-86	667	515	565	554	NA	NA	620	547	585
1986-87	511	548	525	452	NA	NA	526	583	-
1987-88	702	554	491	608	NA	NA	548	500	647
1988-89	630	632	452	798	NA	NA	704	790	580
1989-90	830	621	520	777	NA	NA	466	654	635
1990-91	497	626	516	860	NA	NA	494	539	553
1991-92	576	541	498	620	NA	NA	500	531	654
1992-93	741	741	555	894	NA	NA	673	396	704
1993-94	619	815	674	851	NA	NA	625	583	506
1994-95	587	763	389	612	NA	NA	485	591	574
1995-96	573	1158	587	752	NA	NA	692	591	670
1996-97	572	1030	552	841	NA	NA	624	748	671
1997-98	634	899	499	871	NA	NA	499	747	611
1998-99	549	903	504	652	NA	NA	756	620	693
1999-00	731	974	572	NA	1116	659	605	856	643
2000-01	1110	832	705	NA	1219	761	952	662	806
2001-02	731	956	530	NA	1246	659	544	592	539
2002-03	900	883	431	NA	1500	672	826	541	667
2003-04	730	1092	604	NA	1499	792	861	579	695
2004-05	858	788	799	NA	1237	629	462	689	604
2005-06	880	785	580	NA	1075	624	748	955	702
2006-07	396	773	551	NA	1205	577	548	701	576
2007-08	530	1019	881	NA	779	776	802	619	715
Rank	15	1	3		7	8	5	13	9

Table 4.29 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1980-81	495	469	604	486	NA	NA	608	520	714	484	404	454
1985-86	707	633	675	486	NA	NA	813	542	500	590	455	628
1986-87	-	570	626	503	NA	NA	677	453	600	529	491	564
1987-88	489	697	379	379	NA	NA	823	537	636	576	372	626
1988-89	303	840	680	480	NA	NA	646	622	777	613	468	675
1989-90	543	663	590	493	NA	NA	687	674	527	623	527	627
1990-91	262	673	558	485	NA	NA	650	603	550	607	660	616
1991-92	553	630	558	610	NA	NA	813	717	379	675	449	648
1992-93	421	680	664	555	NA	NA	703	676	541	667	671	721
1993-94	636	470	913	722	NA	NA	691	626	563	596	475	635
1994-95	607	640	719	508	NA	NA	463	387	533	493	327	593
1995-96	602	674	815	419	NA	NA	532	467	490	496	444	670
1996-97	705	718	870	620	NA	NA	779	762	618	727	452	737

Table 4.29 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1997-98	595	553	845	553	NA	NA	723	653	694	619	599	688
1998-99	593	700	877	481	NA	NA	414	448	647	483	227	621
1999-00	696	560	861	533	477	643	453	566	714	679	520	661
2000-01	791	774	951	NA	506	598	820	672	646	663	388	800
2001-02	736	574	675	NA	1437	643	840	519	606	504	461	703
2002-03	886	794	577	NA	456	630	738	461	695	608	329	694
2003-04	658	858	950	NA	508	608	902	560	925	614	402	840
2004-05	609	827	684	NA	524	392	909	514	589	562	506	739
2005-06	663	832	854	NA	505	429	852	495	624	892	339	784
2006-07	641	724	693	NA	571	402	861	505	609	551	437	703
2007-08	696	791	809	NA	553	471	1000	521	629	625	392	786
Rank	10	6	4	-	14	17	2	16	11	12	18	-

Source and Note: As in Table 4.7

Table 4.30 Yield of Total Foodgrains in Districts of West Bengal, 1980-81 to 2007-08 (Kilogram per hectare)

Year	Burdwan	Birbhum	Bankura	Undivided Mednipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
1980-81	1780	1557	1528	1330	NA	NA	1496	1958	1561
1985-86	1855	1674	1780	1537	NA	NA	1684	1948	1555
1986-87	2237	1839	1716	1539	NA	NA	1584	1980	-
1987-88	2187	2004	1884	1769	NA	NA	1855	1979	2070
1988-89	2568	2386	1991	1911	NA	NA	2053	2216	2186
1989-90	2493	2238	2024	1913	NA	NA	1934	2186	2181
1990-91	2522	2108	1932	1479	NA	NA	1705	2212	2161
1991-92	2735	2235	2255	2090	NA	NA	2417	2529	2475
1992-93	2576	2293	2101	1998	NA	NA	2013	2291	2338
1993-94	2701	2205	2159	1945	NA	NA	1834	2456	2426
1994-95	2787	2231	2314	2124	NA	NA	1820	2602	2323
1995-96	2702	2094	2393	1918	NA	NA	1492	2280	2201
1996-97	2750	2417	2442	2145	NA	NA	1850	2492	2278
1997-98	2916	2714	2704	2127	NA	NA	1929	2638	2179
1998-99	3031	2899	2393	1945	NA	NA	1887	2555	2512
1999-00	2772	2607	2407	2162	2115	2210	2198	2451	2448
2000-01	2679	2438	2499	2306	2328	2285	1977	2512	2281
2001-02	2904	2832	2779	2487	2468	2507	2337	2720	2505
2002-03	2969	2791	2850	2392	2410	2375	2137	2550	2553
2003-04	3046	2854	2675	2331	2376	2286	2348	2655	2568
2004-05	2972	2715	2732	2574	2531	2617	2293	2814	2529
2005-06	3073	2891	2599	NA	1876	2458	2271	2724	2506
2006-07	3043	2980	2783	NA	2399	2576	2068	2815	2513
2007-08	2917	3002	2807	NA	2039	2747	2192	2797	2655
Rank	2	1	4	-	14	6	13	5	7
AGR	2.37	3.44	3.10	3.90	-0.45	3.04	1.72	1.59	2.60

Table 4.30 (continued)

Year	South 24 -Parganas	Nadia	Murshi-dabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1980-81	1239	1119	1169	1111	NA	NA	1249	1118	1148	1029	1280	1358
1985-86	1187	1871	1580	1257	NA	NA	1249	1054	1532	1075	1646	1546
1986-87	-	1646	1462	1346	NA	NA	1491	897	2544	1026	1261	1539
1987-88	1446	1632	1481	1074	NA	NA	1280	1204	1299	1143	1442	1634
1988-89	1582	1975	1924	1328	NA	NA	1478	1054	1409	1205	1316	1821
1989-90	1672	1912	1875	1631	NA	NA	1586	1188	1557	1321	1484	1860
1990-91	1194	2048	1974	1601	NA	NA	1693	931	1151	1303	1245	1735
1991-92	1811	2260	2105	1625	NA	NA	1717	1373	2556	1279	1325	2036
1992-93	1764	2082	2130	1683	NA	NA	1657	1315	2072	1278	1443	1959
1993-94	1599	2202	2071	1810	NA	NA	1983	1278	2574	1360	1431	2006
1994-95	1799	2189	2220	1767	NA	NA	1933	1135	2501	1253	1620	2077
1995-96	1559	2196	2115	1628	NA	NA	1919	1221	1964	1269	1515	1960
1996-97	1837	2256	2514	1896	NA	NA	2202	1146	1831	1356	1507	2134
1997-98	1466	2235	2370	1962	NA	NA	2291	1300	1951	1340	1787	2189
1998-99	1664	2486	2482	2102	NA	NA	2070	1195	1798	1294	1376	2197
1999-00	2020	2271	2158	1981	2018	1943	2117	1520	1589	1510	1756	2187
2000-01	2009	2429	2328	2189	2178	2199	2195	1489	1790	1750	1728	2231
2001-02	2302	2387	2458	1996	1976	2015	2352	1598	1875	1640	2398	2424
2002-03	2141	2524	2343	2108	2025	2190	2343	1578	1654	1653	1997	2374
2003-04	2134	2393	2520	2349	2301	2397	2490	1643	1708	1822	2071	2421
2004-05	2255	2354	2461	2485	2444	2526	2727	1508	1660	1755	2208	2480
2005-06	2098	2428	2591	NA	2466	2423	2615	1592	1638	1953	1891	2427
2006-07	2158	2401	2357	NA	2384	2410	2667	1823	1741	1911	2466	2510
2007-08	1981	2532	2622	NA	2525	2501	2890	1633	1861	1887	2338	2521
Rank	15	9	8	-	10	11	3	18	17	16	12	-
AGR	2.22	4.68	4.60	5.15	3.59	4.10	4.87	1.71	2.30	3.09	3.06	3.17

Source and Note: As in Table 4.7

Table 4.31 Yield of Total Oilseeds in Districts of West Bengal, 1977-78 to 2006-07 (Kilogram per hectare)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24 -Parganas
1980-81	674	570	500	437	NA	NA	615	558	547
1985-86	867	671	745	542	NA	NA	351	932	741
1988-89	857	849	756	908	NA	NA	540	1008	719
1989-90	922	953	742	932	NA	NA	738	997	1071
1990-91	825	785	880	864	NA	NA	606	994	1010
1991-92	644	558	673	1037	NA	NA	869	934	968
1992-93	724	704	817	917	NA	NA	885	1036	992
1993-94	680	940	590	790	NA	NA	650	1020	1030
1994-95	743	671	660	736	NA	NA	629	843	968
1995-96	700	774	663	-	NA	NA	611	797	821
1996-97	877	1132	699	909	NA	NA	714	642	890

Table 4.31 (continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24 -Parganas
1997-98	727	934	666	845	NA	NA	725	821	757
1998-99	852	793	638	823	NA	NA	659	816	789
1999-00	874	930	615	NA	1179	725	627	611	899
2000-01	1038	1125	771	NA	1212	1107	803	939	944
2001-02	769	993	719	NA	1365	897	827	822	727
2002-03	886	1003	766	NA	1544	867	1116	844	895
2003-04	926	1091	721	NA	1756	983	1026	1048	999
2004-05	726	776	580	NA	1516	912	816	1044	892
2005-06	1001	932	733	NA	1657	942	1278	1172	1091
2006-07	827	1011	627	NA	1733	1031	1380	1132	949
Rank	11	6	12	-	1	5	2	4	9
AGR	0.87	2.98	0.98	4.91	6.71	6.03	4.78	3.96	2.83

Table 4.31 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1980-81	462	506	451	255	NA	NA	393	378	400	290	294	474
1985-86	711	761	622	391	NA	NA	530	394	425	309	644	630
1988-89	895	847	908	837	NA	NA	618	495	602	566	1080	819
1989-90	964	924	812	714	NA	NA	753	448	588	496	578	856
1990-91	1133	1074	906	907	NA	NA	754	619	728	516	752	884
1991-92	1084	867	721	693	NA	NA	694	785	558	679	713	786
1992-93	1004	926	708	661	NA	NA	348	793	546	515	434	787
1993-94	700	870	760	680	NA	NA	540	490	560	570	490	780
1994-95	737	988	878	671	NA	NA	616	444	403	550	422	780
1995-96	709	896	850	487	NA	NA	552	406	349	470	355	747
1996-97	666	947	1024	667	NA	NA	862	388	459	500	529	841
1997-98	790	881	809	NA	545	652	803	449	406	438	349	761
1998-99	694	838	841	NA	556	658	631	577	432	522	412	769
1999-00	935	897	837	NA	561	797	900	562	521	654	495	808
2000-01	704	918	1014	NA	714	931	1067	615	491	609	545	953
2001-02	1009	740	851	NA	639	761	1040	555	577	524	698	816
2002-03	1002	957	824	NA	514	601	743	563	568	451	522	837
2003-04	793	996	1043	NA	758	906	946	619	518	544	593	951
2004-05	1283	851	864	NA	606	823	849	644	527	446	605	827
2005-06	1147	968	1053	NA	694	745	1081	643	482	539	587	969
2006-07	1251	958	934	NA	547	557	1009	565	520	533	519	917
Rank	3	8	10	-	15	14	7	13	17	16	18	-
AGR	6.57	3.44	4.12	10.10	0.04	-1.62	6.03	1.90	1.15	3.22	2.94	3.59

Source and Note: As in Table 4.7

Table 4.32 Yield of Jute in Districts of West Bengal, 1977-78 to 2006-07 (Kilogram per hectare)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	1656	1471	1651	1722	NA	NA	1127	1802	1572	NA
1978-79	1780	1057	1577	1492	NA	NA	1355	1958	1591	NA
1979-80	1528	1777	1703	1782	NA	NA	1786	2029	1523	NA
1980-81	2173	1561	1971	2142	NA	NA	1544	1854	1570	1577
1981-82	2610	2354	1531	1960	NA	NA	1688	2304	1820	NA
1982-83	228	2362	2362	2254	NA	NA	1895	2227	1857	NA
1983-84	2340	2266	2266	2136	NA	NA	2048	2169	1837	NA
1984-85	1750	2164	2164	2043	NA	NA	2284	2200	1415	NA
1985-86	2540	2572	2007	2303	NA	NA	2068	2633	1933	NA
1986-87	2266	2101	2156	2095	NA	NA	2050	2344	2032	NA
1987-88	2522	2205	2205	2272	NA	NA	2680	2043	NA	2100
1988-89	2885	2585	2612	2297	NA	NA	779	3 366	NA	2099
1989-90	2331	2471	2471	2533	NA	NA	2057	2581	NA	2181
1990-91	2480	2520	2520	2518	NA	NA	2398	2569	NA	2106
1991-92	2603	2855	2855	2845	NA	NA	2984	3089	NA	2259
1992-93	2878	2704	2704	2804	NA	NA	2500	2407	NA	2333
1993-94	3298	3440	3440	3142	NA	NA	1327	3082	NA	2295
1994-95	3112	3344	3344	3169	NA	NA	2169	2929	NA	2299
1995-96	2695	2970	2970	2517	NA	NA	2965	3137	NA	2444
1996-97	3164	3506	3506	1654	NA	NA	2707	3334	NA	2740
1997-98	3161	3568	3568	3038	NA	NA	2839	3278	NA	2320
1998-99	2655	3195	3195	3212	NA	NA	2452	3101	NA	2509
1999-00	2905	3409	3409	3263	NA	NA	3098	3179	NA	2493
2000-01	3262	3384	3384	NA	3438	3105	2693	2302	NA	2506
2001-02	3850	3749	3749	NA	3983	3109	3110	3429	NA	2599
2002-03	3308	3316	3316	NA	2819	2925	3092	3431	NA	2891
2003-04	3296	3245	3254	NA	2651	2381	3341	3368	NA	3172
2004-05	3218	3204	3204	NA	2383	2383	3128	3636	NA	3143
2005-06	3307	3269	3269	NA	2603	2588	3326	3506	NA	3069
2006-07	2995	3197	3197	NA	3197	2462	3289	3335	NA	3335
Rank	7	4	5	-	6	11	3	1	-	2
AGR	2.79	4.05	3.23	4.07	-1.17	-3.45	6.62	2.93	3.25	3.10

Table 4.32 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	1406	1397	967	NA	NA	1138	920	662	819	NA	1303
1978-79	NA	1555	1264	1010	NA	NA	1120	1242	810	1215	NA	1380
1979-80	NA	1433	1395	873	NA	NA	1120	1264	1096	1300	NA	1348
1980-81	1487	1251	1049	979	NA	NA	932	1258	1030	1294	-	1310

Table 4.32 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1981-82	NA	1919	1676	1050	NA	NA	1265	1280	792	1125	NA	1591
1982-83	NA	1672	1777	950	NA	NA	1143	1357	1219	1193	NA	1552
1983-84	NA	1591	1753	1116	NA	NA	1343	1271	1062	1184	NA	1544
1984-85	NA	1725	1771	871	NA	NA	1213	1127	1210	1157	NA	1458
1985-86	NA	2236	2198	1127	NA	NA	1391	1305	1229	1208	2572	1820
1986-87	NA	2036	2032	1058	NA	NA	1273	1129	1534	1274	2156	1723
1987-88	2291	1854	1175	655	NA	NA	689	1449	1564	1355	2205	1544
1988-89	2340	2167	2178	1411	NA	NA	1651	1577	1431	1424	2585	1962
1989-90	2021	2489	2419	1471	NA	NA	1625	1606	1535	1505	2471	2111
1990-91	2264	2381	2345	1174	NA	NA	1429	1183	1073	1393	-	1978
1991-92	3215	2453	2257	1267	NA	NA	1654	1172	1289	1246	-	2000
1992-93	2131	2367	2185	1301	NA	NA	1872	1408	1386	1184	-	1951
1993-94	2273	2713	2479	1557	NA	NA	1508	743	1233	1226	-	2110
1994-95	2740	2398	2351	1321	NA	NA	1892	1546	1521	1494	-	2102
1995-96	2484	2162	2203	1420	NA	NA	1811	1199	1865	1363	-	1978
1996-97	2754	2410	2426	NA	1438	1564	1804	1399	1639	1368	-	2178
1997-98	1955	2306	2381	NA	1445	1785	1908	1433	1602	1568	-	2119
1998-99	2398	2390	2542	NA	1361	1431	1339	1553	1631	626	-	2169
1999-00	2564	2531	2407	NA	1586	1649	1804	1521	1768	1577	-	2227
2000-01	1863	2353	2428	NA	1395	1742	1861	1631	1463	1676	-	2182
2001-02	2570	2635	2531	NA	1744	1915	2407	1984	1942	1901	-	2440
2002-03	2221	2480	2498	NA	1683	1924	2401	2038	1726	1856	-	2407
2003-04	2860	2576	2421	NA	1849	2108	2212	1802	1903	1877	-	2428
2004-05	2680	2680	2686	NA	1793	2056	2462	1793	2032	1703	-	2484
2005-06	2484	2705	2632	NA	2155	2045	2423	2264	2192	1966	-	2572
2006-07	2230	2601	2630	NA	2198	2090	2648	1899	2281	1876	-	2545
Rank	13	10	9	-	14	15	8	16	12	17	-	-
AGR	-0.14	2.93	3.04	2.60	5.29	3.36	4.58	3.67	8.43	4.45	-0.98	3.29

Source and Note: As in Table 4.7

Table 4.33 Yield of Potato in Districts of West Bengal, 1977-78 to 2006-07 (Kilogram per hectare)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1977-78	19521	11962	16140	16000	NA	NA	17444	19027	13111	NA
1978-79	18533	10480	16601	14654	NA	NA	16309	19432	12416	NA
1979-80	23824	12141	19498	15582	NA	NA	21038	23339	12909	NA
1980-81	19537	8587	17089	16173	NA	NA	20990	23080	16833	NA
1981-82	20993	12325	14207	16337	NA	NA	18600	19620	10732	NA
1982-83	25359	13952	23395	17930	NA	NA	21824	25219	13326	NA
1983-84	24598	15227	20307	20756	NA	NA	20517	25974	16820	NA
1984-85	24323	15740	19960	21161	NA	NA	25395	26685	16343	NA

Table 4.33 (continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1985-86	22125	15767	21371	22635	NA	NA	19949	26901	15324	NA
1986-87	21738	14353	24035	21187	NA	NA	27114	28279	17795	NA
1987-88	24442	19340	25179	22363	NA	NA	25547	23045	15279	16332
1988-89	35748	18577	24198	24524	NA	NA	23017	27150	36402	38732
1989-90	24172	18191	25330	24019	NA	NA	28940	25017	NA	16596
1990-91	26775	21085	26254	22758	NA	NA	27890	25501	NA	17460
1991-92	19973	18149	23184	23875	NA	NA	21623	25974	NA	17690
1992-93	27499	23084	26146	21252	NA	NA	23912	24369	NA	16186
1993-94	28577	22638	28067	23506	NA	NA	28780	24121	NA	16460
1994-95	27728	20633	25525	25105	NA	NA	24670	27330	NA	17502
1995-96	29166	24718	21967	27237	NA	NA	30108	25379	NA	22324
1996-97	30233	24474	26154	13804	NA	NA	29977	29363	NA	24158
1997-98	22222	18027	20469	25346	NA	NA	22479	19212	NA	21202
1998-99	22894	19923	20750	23061	NA	NA	19905	20563	NA	21058
1999-00	27485	23189	24537	NA	23288	26475	22796	23385	NA	21158
2000-01	26454	20826	26622	NA	21424	28987	26919	28997	NA	22364
2001-02	29966	21666	26198	NA	22074	28333	27025	29630	NA	19547
2002-03	27746	24419	19441	NA	17965	27471	28053	8411	NA	23169
2003-04	27135	21067	23653	NA	17381	25336	26338	26689	NA	22652
2004-05	26703	19139	20834	NA	16377	22386	24430	20550	NA	21073
2005-06	21249	20511	23178	NA	17492	21302	29175	25496	NA	22149
2006-07	14224	8538	12813	NA	10531	10622	8612	11023	NA	17219
Rank	8	18	10	-	14	13	17	12	-	2
AGR	-0.94	-0.99	-0.71	2.10	-7.83	-8.55	-1.75	-1.45	14.80	0.30

Table 4.33 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	16061	13346	7018	NA	NA	10018	6550	6275	7166	10047	15152
1978-79	NA	16309	13017	8426	NA	NA	8099	7285	6811	9242	10047	15144
1979-80	NA	13539	13951	4853	NA	NA	5028	5547	7405	3504	21038	18400
1980-81	NA	12817	10544	5511	NA	NA	5545	5112	7272	5885	19281	17057
1981-82	NA	12902	12138	7167	NA	NA	6895	6018	8089	6422	18600	16496
1982-83	NA	15181	13266	6820	NA	NA	6586	5757	8530	6279	23112	20013
1983-84	NA	17027	14239	9101	NA	NA	9219	9562	9476	9032	23240	21008
1984-85	NA	17138	14073	8505	NA	NA	8386	8215	9487	8374	23645	21071
1985-86	NA	12658	15610	6253	NA	NA	6707	6400	9695	5993	22635	19930
1986-87	NA	17565	13889	6867	NA	NA	9825	5693	6855	6637	18335	20469
1987-88	10763	15563	17587	7844	NA	NA	8877	9154	6563	7557	14464	21048
1988-89	27112	26721	17542	7929	NA	NA	9122	7020	8637	9745	13905	23033
1989-90	18507	22481	17786	7902	NA	NA	8310	9258	7311	8920	12904	21974

Table 4.33 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1990-91	13474	18323	17004	7400	NA	NA	13693	12080	9642	10724	11865	23046
1991-92	9904	17258	19749	7674	NA	NA	13983	15086	6687	14379	11230	21586
1992-93	12838	18488	19749	3673	NA	NA	13983	10077	13682	9440	10337	21649
1993-94	13271	16393	19698	5012	NA	NA	9231	10015	12173	13848	12322	22533
1994-95	16741	16047	17666	9245	NA	NA	10405	15339	8821	14711	10763	23925
1995-96	19531	22601	20011	9992	NA	NA	16628	15755	12233	19993	13428	24456
1996-97	23095	23095	21169	NA	13804	-	16408	22211	12321	20422	14222	26956
1997-98	19021	21151	20319	NA	17235	14072	18530	19021	14363	18204	14051	20947
1998-99	15244	20432	19765	NA	16256	13504	16866	17901	12702	22714	14892	21023
1999-00	17111	17779	20560	NA	18526	13863	18040	22718	12747	23556	13254	23689
2000-01	20521	26999	24094	NA	19789	18303	17642	21638	13759	23031	14732	25606
2001-02	19562	24052	22900	NA	18535	14188	17838	22040	13589	24522	13509	26090
2002-03	17555	24161	23008	NA	19291	18018	21805	19646	15656	18651	17362	19761
2003-04	20616	24756	23046	NA	19162	18796	20440	21946	15050	24557	14971	24711
2004-05	22980	25061	23767	NA	19870	19589	19337	23286	14622	25397	14921	22170
2005-06	15701	26845	17273	NA	19979	19724	15243	13614	16332	10095	12876	21053
2006-07	15181	21243	9998	NA	13559	14724	16742	17039	16451	11320	10503	12384
Rank	6	1	16	-	9	7	4	3	5	11	15	-
AGR	2.28	1.11	-0.87	2.35	-0.18	0.51	2.31	5.52	5.59	2.00	0.16	-0.63

Source and Note: As in Table 4.7

Contribution of Districts to West Bengal, Productivity Growth Rate and Net Income from Crop: During 2006-07 Nadia district contributed 14.58 per cent to total Aus rice area of West Bengal followed by Murshidabad (11.4 per cent), the lowest proportion being registered in Howrah (0.31 per cent). During this year Nadia district contributed 16.23 per cent to total Aus rice production of West Bengal followed by Paschim Medinipur (14.13 per cent), the lowest proportion being registered in Howrah (0.23 per cent). During this year Paschim Medinipur district contributed 12.82 per cent to total Aman rice area of West Bengal followed by Burdwan (10.48 per cent), the lowest proportion being registered in Darjeeling (0.64 per cent). During 2006-07 Paschim Medinipur district contributed 13.28 per cent to total Aman rice production of West Bengal followed by Burdwan (12.45 per cent), the lowest proportion being registered in Darjeeling (0.48 per cent). During 2006-07 Burdwan district contributed 14.97 per cent to total Boro rice area of West Bengal followed by Purba Medinipur (10.53 per cent), the lowest proportion being registered in Darjeeling (0.11 per cent). During 2006-07 Burdwan district contributed 15.97 per cent to total Boro rice production of West Bengal followed by Murshidabad (10.52 per cent), the lowest proportion being registered in Darjeeling and Purulia (0.07). During 2006-07 Paschim Medinipur district contributed 12.81 per cent to total rice area of West Bengal followed by Burdwan (11.3 per cent), the lowest proportion being registered in Darjeeling (0.55 per cent). During 2006-07 Burdwan district contributed 13.34 per cent to total rice production of West Bengal followed by Paschim Medinipur (12.2 per cent), the lowest proportion being registered in Darjeeling (0.40 per cent). During 2006-07 Murshidabad district contributed 35.8 per cent to wheat area of West Bengal followed by Nadia (13.38 per cent), the lowest proportion being registered in Howrah (0.13 per cent). During 2006-07. Murshidabad district contributed 33.79 per cent to wheat production of West Bengal followed by Maldah (13.89 per cent), the lowest proportion being registered in Howrah (0.09 per cent). During 2006-07 Bankura district contributed 9.62 per cent to total cereals area of West Bengal followed by Burdwan (9.15 per cent), the lowest proportion being registered in Darjeeling (0.98 per cent). During 2006-07 Burdwan district contributed 12.48 per cent to total cereals production of West Bengal followed by Paschim Medinipur (11.48 per cent), the lowest proportion being registered in Darjeeling (0.68 per cent). During 2006-07 Murshidabad district contributed 23.69 per cent to total pulse area of West

Bengal followed by Maldah (11.88 per cent), the lowest proportion being registered in Bankura (0.2). During 2006-07 Murshidabad district contributed 23.36 per cent to total pulse production of West Bengal followed by Maldah (14.56 per cent), the lowest proportion being registered in Dakshin Dinajpur and Bankura (0.16). During 2006-07 Paschim Medinipur district contributed 11.1 per cent to total foodgrains area of West Bengal followed by Burdwan (10.2 per cent), the lowest proportion being registered in Darjeeling (0.98 per cent). During 2006-07 Burdwan district contributed 12.36 per cent to total foodgrains production of West Bengal followed by Paschim Medinipur (11.39 per cent), the lowest percentage being registered in Darjeeling (0.68). During 2006-07 Nadia district contributed 15.24 per cent to total oilseeds area of West Bengal followed by Paschim Medinipur (13.71 per cent), the lowest percentage being registered in Darjeeling (0.08). During 2006-07 Nadia district contributed 15.90 per cent to total oilseeds production of West Bengal followed by Paschim Medinipur (15.41 per cent), the lowest percentage being registered in Darjeeling (0.04). During 2006-07 Hooghly district contributed 23.70 per cent to total potato area of West Bengal followed by Paschim Medinipur (19.47 per cent), the lowest percentage being registered in Maldah (0.67). During 2006-07 Hooghly district contributed 21.09 per cent to total potato production of West Bengal followed by Burdwan (16.74 per cent), the lowest percentage being registered in Purulia (0.31). During 2006-07 Murshidabad district contributed 22.69 per cent to total jute area of West Bengal followed by Nadia (2195 per cent), the lowest percentage being registered in Bankura (0.01). During 2006-07 Murshidabad district contributed 23.44 per cent to total jute production of West Bengal followed by Nadia (22.43 per cent), the lowest percentage being registered in Bankura (0.01) (Table 4.34).

West Dinajpur district recorded the highest per capita foodgrains production in 1990-91, which Dakshin Dinajpur district maintained in 2000-01. Bankura ranked second in 2000-01 followed by Birbhum, lowest per capita production being registered in Howrah (See Appendix Table A3).

Growth rate: Excepting wheat and potato, compound annual growth of productivity (yield per hectare) was positive during 1996-97 to 2006-07 (Table 4.35).

Net Income from Agriculture: Net income over paid out cost estimated on sample basis for aman (HYV) crop is positive and higher for marginal and small farmers than that for medium and big farmers, though in some districts net income over total cost is seen to be negative (Table 4.36).

Table 4.34 Percentage Share of Districts in Area Coverage and Production of Major Crops of West Bengal, 2004-05 and 2006-07

Districts	Boro rice				Total rice			
	2004-05		2006-07		2004-05		2006-07	
	Area	Production	Area	Production	Area	Production	Area	Production
Darjeeling	0.09	0.05	0.11	0.07	0.60	0.32	0.55	0.40
Jalpaiguri	1.44	0.80	1.31	0.95	4.32	2.46	4.04	2.84
Coochbehar	2.82	2.09	2.14	1.84	4.66	3.18	4.21	3.02
Uttar Dinajpur	6.43	6.20	6.37	5.84	4.65	4.37	4.51	4.00
Dakshin Dinajpur	2.92	2.79	3.02	2.96	3.74	3.70	3.25	3.03
Maldah	4.70	5.57	4.83	5.72	3.76	4.44	2.71	3.19
Murshidabad	10.20	12.06	9.8	10.52	7.10	8.02	6.95	6.99
Nadia	7.98	8.61	7.21	7.79	4.95	5.13	4.40	4.60
North 24-Parganas	6.49	6.49	6.40	6.01	4.59	4.61	4.89	4.92
South 24-Parganas	4.06	4.33	5.49	5.09	6.87	6.13	7.3	6.18
Howrah	3.56	3.1	2.81	2.45	2.30	2.05	2.05	1.65
Hooghly	7.51	7.45	6.87	6.61	5.25	5.76	5.26	5.74
Burdwan	14.56	14.31	14.97	15.97	10.96	12.72	11.30	13.34
Birbhum	5.38	5.16	4.60	4.94	6.71	7.31	6.74	8.13
Bankura	2.88	2.42	3.60	3.08	6.00	6.44	7.16	7.72
Purulia	0.10	0.07	0.10	0.07	5.01	4.53	4.93	4.96
Paschim Medinipur	8.84	8.70	9.84	9.66	11.33	11.67	12.18	12.2
Purba Medinipur	10.04	9.80	10.53	10.43	7.20	7.16	7.57	7.09
West Bengal	100	100	100	100	100	100	100	100

Table 4.34 (continued)

Districts	Total pulses				Total foodgrains				Total oilseeds	
	2004-05		2006-07		2004-05		2006-07		2004-05	
	A	P	A	P	A	P	A	P	A	P
Darjeeling	0.95	0.75	0.93	0.8	1.01	0.68	0.98	0.68	0.06	0.04
Jalpaiguri	2.24	1.56	1.9	1.36	4.41	2.68	4.12	2.99	2.05	1.59
Coochbehar	3.52	2.67	4.02	3.15	4.58	3.25	4.21	3.20	4.46	2.41
Uttar Dinajpur	2.26	1.60	2.16	1.76	5.08	5.01	4.89	4.64	6.15	4.50
Dakshin Dinajpur	0.48	0.26	0.28	0.16	3.5	3.56	3.08	2.96	3.49	3.47
Maldah	13.14	16.16	11.88	14.56	4.83	5.31	3.74	3.98	5.84	6.00
Murshidabad	28.16	26.08	23.69	23.36	9.38	9.31	9.15	8.59	13.64	14.25
Nadia	18.73	20.96	17.76	18.3	5.93	5.63	5.36	5.13	16.00	16.46
North 24-Parganas	3.31	3.07	6.19	5.08	4.29	4.37	4.69	4.70	5.96	6.43
South 24-Parganas	4.14	3.42	4.61	4.21	6.31	5.74	6.71	5.77	1.20	1.85
Howrah	0.10	0.06	0.5	0.39	2.06	1.90	1.86	1.53	0.81	0.80
Hooghly	0.40	0.37	0.80	0.80	4.70	5.33	4.75	5.33	4.94	6.24
Burdwan	0.67	0.78	1.56	0.88	9.87	11.83	10.20	12.36	8.34	7.32
Birbhum	6.93	7.38	9.40	10.34	6.67	7.30	6.85	8.14	6.31	5.92
Bankura	0.20	0.22	0.20	0.16	5.49	6.05	6.52	7.22	4.77	3.35
Purulia	7.35	5.03	6.5	4.05	4.93	4.39	4.85	4.76	0.54	0.40
Paschim Medinipur	3.39	2.89	2.71	2.22	10.4	10.97	11.105	11.39	12.77	14.08
Purba Medinipur	4.03	6.74	4.91	8.42	6.56	6.69	6.94	6.63	2.67	4.89
West Bengal	100	100	100	100	100	100	100	100	100.00	100.00

Table 4.34 (continued)

Districts	Total oilseeds		Potato				Jute			
	2006-07		2004-05		2006-07		2004-05		2006-07	
	A	P	A	P	A	P	A	P	A	P
Darjeeling	0.08	0.04	2.09	1.38	1.65	2.19	0.43	0.35	0.42	0.37
Jalpaiguri	1.95	1.21	7.73	8.12	8.26	11.37	7.02	5.06	7.12	5.31
Coochbehar	3.21	1.86	5.25	6.02	5.91	5.41	11.57	7.93	12.29	9.06
Uttar Dinajpur	5.37	3.20	2.37	2.12	1.99	2.17	11.16	8.06	8.95	7.73
Dakshin Dinajpur	3.44	2.09	0.89	0.79	0.70	0.83	3.21	2.66	2.96	2.43
Maldah	5.73	6.30	0.79	0.69	0.67	0.91	4.16	4.13	3.90	4.06
Murshidabad	13.13	13.37	3.22	3.46	2.62	2.11	23.12	25.00	22.69	23.44
Nadia	15.24	15.90	1.35	1.52	1.39	2.38	20.22	21.84	21.95	22.43
North 24-Parganas	6.69	6.92	1.87	1.77	1.62	2.26	8.94	11.31	10.15	13.30
South 24-Parganas	1.72	2.35	1.01	1.05	1.01	1.24	0.14	0.15	0.10	0.09
Howrah	0.95	1.43	1.92	2.11	2.13	1.48	1.09	1.38	0.65	0.84
Hooghly	5.01	6.18	27.45	25.44	23.70	21.09	5.51	8.07	5.31	6.96
Burdwan	8.03	7.23	13.23	15.94	14.57	16.74	2.19	2.83	2.32	2.73
Birbhum	5.44	6.00	3.49	3.01	4.05	2.80	0.07	0.09	0.06	0.08
Bankura	6.00	4.10	8.07	7.59	8.73	9.03	0.05	0.07	0.01	0.01
Purulia	1.29	0.73	0.51	0.34	0.37	0.31	-	-	-	-
Paschim Medinipur	13.71	15.41	17.68	17.85	19.47	16.70	0.96	0.92	0.87	0.84
Purba Medinipur	3.01	5.68	1.08	0.8	1.16	0.98	0.16	0.15	0.25	0.32
West Bengal	100	100	100	100	100	100	100	100	100	100

Notes: A= Area & P= Production

Source: Estimates of Area and Production of Principal Crops in West Bengal, 2006-07, Directorate of Agriculture, Govt. of West Bengal

Table 4.35 Average Annual Compound Growth Rate of Productivity of Some Crops of West Bengal, 1996-97 to 2006-07

(Per cent)

Crop	Productivity	Crop	Productivity
Rice	1.6	Rape & Mustard	3.76
Wheat	-0.07	Total oilseeds	5.49
Total cereals	1.57	Jute	1.2
Pulses	1.23	Potato	-1.4
Foodgrains	1.57		

Source: As in Table 3.34

Table 4.36 Value Product, Input Requirements, Cost of Production and Income of Aman (HYV) Crop per Acre in Sample Districts, 2003-04

Holding/ District	Value (Rs) of		Input requirements					Total cost (Rs)		Net income (Rs)	Net income (Rs)
	Main product	By product	Human labour (MD)		Bullock labour (MD)		Machine day	Per acre	Per quintal	Over paid out cost	Over total cost
			Family	Hired	Owned	Hired					
Marginal											
Medinipur	5601.44	520.55	22.48	30.21	1.01	0.90	0.58	6607.33	524.27	2495.98	(-)485.34
24-Parganas	7008.04	1104.41	39.68	32.79	1.41	5.60	0.66	7556.92	475.50	4509.95	555.53
Bankura	7782.68	856.38	29.41	34.99	14.51	3.13	0.16	6948.95	371.72	5086.38	1690.11
Birbhum	7884.44	885.13	23.03	57.99	-	4.62	0.31	8784.26	496.80	3647.84	(-)14.69
Murshidabad	8162.36	1106.46	17.18	44.01	21.53	6.37	-	6762.90	329.44	5506.56	2505.92
Small											
Medinipur	5421.92	542.85	14.81	40.56	2.21	1.13	0.66	6720.73	546.23	1740.15	(-)755.96
24-Parganas	7081.12	1202.34	30.19	39.13	1.57	3.97	0.67	7229.56	428.58	4503.84	1003.90
Bankura	7830.68	895.38	18.26	36.94	17.20	0.06	0.07	7133.87	373.79	4591.88	1592.19
Birbhum	7013.44	747.98	25.35	46.63	-	3.20	0.62	8226.29	522.23	3321.99	(-)464.87
Murshidabad	8050.04	1089.52	15.38	45.12	24.20	5.07	-	6577.21	323.76	5443.35	2562.35

Table 4.36 (continued)

Holding/ District	Value (Rs) of		Input requirements					Total cost (Rs)		Net income (Rs)	Net income (Rs)
	Main product	By product	Human labour (MD)		Bullock labour (MD)		Machine day	Per Acre	Per quintal	Over paid out cost	Over total cost
			Family	Hired	Owned	Hired					
Medium											
Medinipur	6478.72	686.09	13.16	49.50	5.64	4.51	0.66	7731.17	500.01	2139.72	(-)566.36
24-Parganas	6699.88	1116.16	21.01	44.30	3.19	6.93	0.56	6966.99	458.17	3800.94	849.05
Bankura	7902.12	850.34	12.31	47.64	9.66	0.92	0.15	6360.13	331.72	5073.67	2392.33
Birbhum	7988.52	898.28	18.85	57.28	-	7.81	0.45	8579.59	490.51	3886.41	307.21
Murshidabad	7969.04	1088.58	6.19	49.20	18.14	8.96	-	6258.62	308.11	5260.00	2799.00
Big											
Medinipur	-	-	-	-	-	-	-	-	-	-	-
24-Parganas	-	-	-	-	-	-	-	-	-	-	-
Bankura	5796.36	595.53	43.60	20.93	13.21	-	0.18	5998.07	456.68	3740.48	393.82
Birbhum	-	-	-	-	-	-	-	-	-	-	-
Murshidabad	8153.36	1121.13	0.39	59.86	15.21	4.90	-	6519.69	314.60	5030.45	2754.80
Average											
Medinipur	5591.52	535.29	19.75	34.22	1.59	1.15	0.61	6696.16	529.28	2254.95	(-)569.35
24-Parganas	6966.84	1145.18	31.77	37.94	1.87	5.27	0.64	7315.64	452.71	4347.33	796.38
Bankura	7603.44	839.16	22.66	37.30	14.10	1.10	0.13	6757.86	369.23	4750.53	1684.74
Birbhum	7668.92	850.15	22.35	54.53	-	5.24	0.44	8559.12	501.56	3631.29	(-)40.05
Murshidabad	8081.44	1099.43	11.03	48.83	20.88	5.78	-	3845.43	161.43	5335.44	2628.82

Source: Evaluation Wing, Directorate of Agriculture, Govt. of West Bengal (2008)

4.5 Agricultural Index Number

Index number (Base: Triennium ending crop year 1981-82 = 100) of foodgrains area during 1982-83 to 2006-07 recorded increase in most of the districts excepting North 24 Parganas, Maldah, Jalpaiguri, Darjeeling and Cooch Behar while that of foodgrains production more than doubled during 1982-83 to 2006-07 in districts excepting Maldah , Darjeeling and Cooch Behar and that of foodgrains productivity also more than doubled in most of the districts excepting Burdwan, Birbhum, Howrah, Hooghly, North 24 Parganas and Darjeeling. Index number of non-foodgrains area recorded increase in all the districts of West Bengal during 1982-83 to 2006-07

while that more than doubled in Bankura, Hooghly and Purulia districts. Index number of non-foodgrains production more than doubled during 1982-83 to 2004-05 in most of the districts excepting Burdwan while that of non–foodgrains productivity increased in all the districts, and in Burdwan, Howrah, West Dinajpur, Maldah and Cooch Behar that more than doubled during this period. Index number of agricultural area registered increase in most of the districts excepting West Dinajpur, Maldah , Darjeeling during the period from 1982-83 to 2006-07 while that of agricultural production more than doubled in most of the districts excepting Maldah and Purulia and that of agricultural productivity registered increase in all the districts during this period and that in Bankura, Midnapore, South 24 Parganas, West Dinajpur, Maldah, Jalpaiguri, Darjeeling, Cooch Behar and Purulia more than doubled (Table 4.37 to Table 4.45).

Table 4.37 Index Number of Foodgrains Area in Districts of West Bengal, 1982-83 to 2006-07

(Base: Triennium Ending Crop Year 1981-82=100)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24 -Parganas
1982-83	85.6	87.0	88.7	97.0	92.5	88.8	99.2
1983-84	104.9	97.1	100.2	106.2	114.8	105.4	109.5
1984-85	106.7	95.3	104.5	99.6	92.6	92.3	100.6
1985-86	105.6	94.2	105.9	101.8	114.3	99.2	97.3
1986-87	101.4	88.2	101.1	103.6	118.7	94.3	106.5
1987-88	109.0	100.5	101.7	103.7	115.3	104.7	106.6
1988-89	104.0	95.7	104.9	103.3	116.1	103.7	101.4
1989-90	104.5	95.4	111.4	104.5	114.3	101.7	105.6
1990-91	106.3	100.7	118.8	109.5	131.2	108.1	102.2
1991-92	106.0	89.6	113.6	113.5	128.9	107.1	102.1
1992-93	102.9	89.2	113.6	109.0	128.7	103.0	103.1
1993-94	114.5	99.5	114.5	114.1	135.6	111.5	104.4
1994-95	114.7	94.9	113.7	113.7	114.7	118.0	98.5
1995-96	116.6	105.3	118.4	114.2	115.9	102.1	102.1
1996-97	119.9	96.2	114.8	116.2	111.5	114.7	100.8
1997-98	125.1	100.9	118.7	114.6	120.3	114.0	105.8
1998-99	133.6	108.3	104.2	112.0	119.3	122.5	115.8
1999-00	128.9	107.0	111.2	117.5	128.6	-	114.2
2000-01	111.6	149.3	107.7	119.0	109.3	79.0	98.4
2001-02	125.8	154.4	119.0	115.4	117.7	122.0	117.0
2002-03	123.0	111.7	87.5	111.2	125.7	119.4	99.9
2003-04	124.7	106.4	87.9	114.5	135.3	116.8	93.5
2004-05	120.3	108.8	94.4	114.5	127.4	119.1	91.3
2005-06	120.8	104.9	104.7	-	120.3	122.1	97.1
2006-07	122.1	109.6	109.7	-	112.9	117.9	97.9

Table 4.37 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	99.6	91.8	91.8	97.0	97.2	92.4	98.4	98.3	87.56	93.2
1983-84	100.7	104.7	100.9	100.7	99.8	99.7	102.0	99.0	100.0	102.6
1984-85	99.3	94.4	94.8	98.1	96.1	103.0	98.0	104.2	70.0	99.5
1985-86	97.0	87.5	89.2	91.9	91.0	95.0	87.5	96.9	106.7	97.6
1986-87	91.4	116.5	91.7	97.7	110.4	105.4	124.9	119.3	128.0	103.2
1987-88	99.8	113.3	97.9	98.9	113.3	99.3	95.0	102.8	116.6	104.3
1988-89	105.8	108.1	90.5	99.9	115.5	100.0	106.0	119.0	113.0	104.5
1989-90	106.4	114.9	96.0	96.3	112.4	100.7	130.7	114.2	118.0	105.4
1990-91	109.7	114.3	95.1	96.8	117.3	98.9	124.0	106.0	122.2	107.4
1991-92	111.1	100.9	87.3	93.2	109.6	93.8	105.3	108.3	123.2	104.4
1992-93	110.5	109.2	95.0	96.2	108.7	95.1	100.4	108.5	121.9	104.5
1993-94	113.5	113.2	93.8	95.5	111.7	91.5	97.8	107.9	125.1	108.0
1994-95	113.5	109.0	93.2	96.8	106.2	89.0	105.3	97.8	122.2	105.7
1995-96	136.1	110.2	93.3	98.1	111.2	93.1	86.5	101.5	125.4	108.7
1996-97	110.4	108.7	96.0	98.1	100.0	93.0	76.7	104.1	126.8	106.6
1997-98	111.3	112.1	97.0	116.9	100.7	92.9	89.9	97.2	133.0	108.4
1998-99	115.5	111.6	99.8	98.3	96.6	94.0	98.8	100.4	98.2	108.1
1999-00	118.7	120.1	105.3	102.0	97.3	97.7	94.1	101.6	123.9	112.2
2000-01	111.6	97.9	79.5	101.7	98.3	99.2	75.5	104.9	112.7	102.4
2001-02	112.1	131.9	110.5	101.1	93.9	96.7	78.3	101.2	123.2	112.5
2002-03	113.2	131.8	112.4	101.6	94.3	101.3	78.6	98.5	96.3	108.1
2003-04	117.3	121.9	114.6	106.8	95.2	92.8	78.6	98.1	122.9	109.3
2004-05	104.5	108.7	115.0	101.9	98.4	95.8	77.7	95.1	120.6	107.4
2005-06	108.8	101.7	111.7	-	94.9	94.8	76.7	98.2	111.5	106.9
2006-07	113.8	96.2	109.8	-	74.7	87.6	73.3	85.5	116.4	105.2

Source: As in Table 4.5

Table 4.38 Index Number of Foodgrains Production in Districts of West Bengal, 1982-83 to 2004-05

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24 -Parganas
1982-83	84.8	61.4	66.6	77.2	90.3	76.5	88.7
1983-84	126.5	114.8	133.2	129.5	145.1	113.4	135.2
1984-85	124.7	113.8	133.6	134.1	127.1	119.5	134.8
1985-86	119.6	106.0	154.2	140.0	154.2	114.5	111.1
1986-87	138.6	104.9	143.5	143.6	152.2	110.2	121.0
1987-88	144.6	133.9	158.1	165.3	176.1	122.5	161.3
1988-89	162.5	154.0	171.5	176.5	194.2	136.3	162.4
1989-90	159.0	142.6	185.7	179.0	179.9	132.7	169.9

Table 4.38 (continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24 -Parganas
1990-91	163.5	220.3	181.4	149.2	184.7	143.5	162.7
1991-92	176.2	134.9	210.7	213.4	256.3	162.2	186.4
1992-93	161.9	139.1	196.7	195.9	212.9	140.7	177.5
1993-94	188.5	145.1	204.3	200.3	204.5	164.7	187.1
1994-95	194.9	142.1	217.0	216.5	170.5	176.6	174.6
1995-96	191.8	145.2	235.8	198.7	142.7	162.5	163.8
1996-97	208.8	155.4	229.9	224.5	169.6	152.5	170.0
1997-98	222.1	181.8	265.1	219.1	190.5	182.0	170.7
1998-99	246.3	205.8	206.7	197.6	185.0	176.3	195.2
1999-00	213.5	182.4	221.3	230.2	232.3	181.6	206.5
2000-01	181.6	145.0	223.0	247.4	177.3	120.7	163.6
2001-02	222.6	206.0	273.1	257.8	223.5	200.1	214.9
2002-03	222.5	204.3	206.4	239.1	219.6	183.2	188.0
2003-04	231.6	199.0	194.3	239.9	258.8	187.0	176.4
2004-05	218.2	193.6	213.3	266.3	237.4	202.5	170.6
2005-06	226.3	198.7	225.0	229.9	221.8	201.1	179.7
2006-07	226.3	214.0	252.4	269.5	189.6	200.7	230.3

Table 4.38 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	76.4	84.9	74.4	97.5	100.3	93.8	94.6	94.8	56.1	79.7
1983-84	124.9	133.4	119.8	121.2	123.7	111.3	121.9	120.2	132.0	125.1
1984-85	138.8	138.7	115.7	117.0	123.5	115.6	129.5	121.7	151.1	126.3
1985-86	120.4	130.5	108.0	120.4	122.4	107.3	119.2	11.2	180.5	125.0
1986-87	97.9	160.2	104.3	144.0	145.7	107.9	100.6	131.3	165.4	132.2
1987-88	147.6	154.9	114.8	114.9	131.2	184.3	109.3	124.5	173.0	142.7
1988-89	171.9	181.3	152.1	142.4	149.3	118.2	131.4	154.7	153.4	159.4
1989-90	184.2	191.9	145.7	171.5	158.5	136.4	179.6	163.9	180.8	164.8
1990-91	131.8	203.3	152.6	169.9	175.2	108.8	127.2	150.6	157.1	157.1
1991-92	201.6	197.7	148.8	166.6	166.3	159.1	231.5	150.5	168.4	179.3
1992-93	196.5	196.7	163.5	178.9	158.6	160.9	179.0	151.7	181.4	172.3

Table 4.38 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1993-94	103.1	214.7	156.8	191.3	195.5	147.2	215.9	159.7	183.8	183.2
1994-95	206.3	203.7	191.1	191.5	179.2	138.7	208.3	132.2	202.5	184.3
1995-96	172.0	208.4	159.8	178.4	188.1	119.2	138.6	143.7	196.0	179.1
1996-97	204.3	208.8	190.5	206.1	192.7	151.0	118.6	152.6	196.6	190.9
1997-98	164.1	214.2	183.7	204.3	200.7	192.2	146.7	140.2	144.7	199.6
1998-99	192.8	238.5	199.8	230.9	174.1	213.1	124.4	139.2	138.2	200.8
1999-00	241.0	233.7	181.2	226.3	179.2	234.1	115.2	165.2	223.3	207.0
2000-01	224.7	197.7	140.2	249.0	188.1	226.4	116.2	196.9	199.7	191.5
2001-02	259.9	272.0	218.4	225.4	192.1	406.4	126.6	174.4	302.8	229.6
2002-03	243.8	287.7	212.6	236.8	192.8	361.7	112.7	147.3	197.3	216.2
2003-04	251.3	248.8	231.7	277.2	206.0	304.7	117.3	192.6	261.1	222.4
2004-05	235.2	219.8	232.8	278.4	233.6	315.9	109.2	178.4	273.9	224.4
2005-06	218.0	212.2	238.2	-	216.0	329.9	106.5	205.0	216.7	218.6
2006-07	234.4	198.5	213.0	-	173.5	349.2	108.2	174.6	295.0	222.6

Source: As in Table 4.5

Table 4.39 Index Number of Foodgrains Productivity in Districts of West Bengal, 1982-83 to 2006-07

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24 -Parganas
1982-83	99.10	70.6	75.1	79.6	97.6	86.2	89.4
1983-84	120.6	118.2	133.0	122.0	126.4	107.6	123.5
1984-85	116.9	119.4	127.8	134.7	137.3	129.5	134.0
1985-86	113.2	112.5	145.6	137.5	134.9	115.4	114.2
1986-87	136.7	118.9	142.0	138.6	128.3	116.9	113.6
1987-88	132.6	133.3	155.5	159.4	152.7	117.0	151.3
1988-89	156.3	160.9	163.5	170.8	167.3	131.5	160.1
1989-90	152.1	149.4	166.7	171.4	157.4	10.4	160.9
1990-91	153.8	218.8	152.7	136.3	140.8	132.8	159.2
1991-92	166.2	150.6	185.5	188.0	198.9	151.4	182.5
1992-93	157.3	155.9	173.2	179.8	165.6	136.6	172.2
1993-94	164.7	145.8	178.4	175.5	150.8	147.7	179.1
1994-95	169.8	149.8	190.8	191.0	148.7	156.6	177.3
1995-96	164.6	137.9	199.2	174.0	123.1	137.7	160.4
1996-97	167.4	161.6	200.3	193.3	152.1	149..3	168.4
1997-98	177.5	180.15	223.4	191.2	158.4	158.7	161.4
1998-99	184.4	190.2	198.4	176.4	155.1	154.7	168.6
1999-00	165.5	170.5	199.0	195.9	180.6	148.2	180.8
2000-01	162.7	157.8	207.1	207.9	162.2	152.8	166.3
2001-02	176.9	186.1	229.5	223.4	189.9	164.0	183.7
2002-03	180.9	182.9	235.9	215.0	174.7	153.4	188.2
2003-04	185.7	187.0	221.0	209.5	191.3	160.1	188.7
2004-05	181.4	177.9	225.7	232.6	186.3	170.0	186.9
2005-06	187.6	189.4	214.7	-	184.5	164.6	185.2
2006-07	185.7	195.3	229.9	-	168.0	170.1	185.7

Table 4.39 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	76.7	92.5	81.1	100.5	103.2	101.5	96.2	96.5	64.1	85.5
1983-84	124.0	127.5	118.7	120.4	124.0	111.7	119.4	121.3	131.9	121.9
1984-85	139.8	146.9	122.0	119.3	128.5	112.2	132.2	116.8	213.4	126.9
1985-86	124.1	149.1	121.1	131.0	134.5	112.9	136.2	116.0	169.2	128.1
1986-87	107.1	137.5	113.7	147.5	132.0	102.3	80.5	110.0	129.3	128.1
1987-88	148.0	136.7	117.3	116.2	115.9	185.6	115.1	121.2	148.3	136.8
1988-89	162.4	167.7	154.5	142.6	129.6	118.2	124.4	130.0	135.7	152.5
1989-90	173.1	166.9	151.8	178.1	140.9	135.4	138.0	143.6	153.2	156.4
1990-91	120.1	177.9	160.5	175.5	149.4	110.0	102.6	142.1	128.6	146.3
1991-92	182.5	195.9	170.5	178.9	151.7	169.7	219.8	139.0	136.6	171.7
1992-93	196.5	179.6	172.0	186.0	145.9	169.2	178.3	139.8	148.8	164.8
1993-94	161.3	189.6	167.1	200.4	175.0	160.7	220.8	148.0	146.9	169.6
1994-95	181.8	198.5	205.1	197.9	168.8	155.9	138.6	135.2	165.7	174.4
1995-96	125.8	189.1	171.3	181.9	169.2	128.0	160.2	141.6	156.3	164.8
1996-97	185.1	192.4	198.5	310.2	192.6	162.3	154.6	146.6	155.1	179.1
1997-98	147.5	191.1	189.3	174.7	99.3	206.9	163.2	144.2	184.0	184.0
1998-99	166.9	213.7	200.2	234.9	180.2	226.7	140.1	138.6	140.7	185.8
1999-00	203.0	194.6	172.1	221.9	184.2	239.6	137.0	162.6	180.2	207.0
2000-01	201.3	197.7	176.4	244.8	191.4	228.2	153.9	187.7	177.2	187.0
2001-02	231.8	206.2	197.6	222.9	204.6	420.3	161.7	172.3	245.8	204.1
2002-03	215.4	218.3	189.1	233.1	204.5	357.1	143.4	177.0	204.7	200.0
2003-04	214.2	204.1	202.0	259.6	216.4	328.3	149.2	196.3	212.4	203.5
2004-05	225.1	202.2	202.4	273.2	237.4	329.7	140.5	187.6	227.1	208.9
2005-06	209.4	208.6	213.1	-	227.6	348.1	138.6	208.8	194.5	204.4
2006-07	215.4	206.2	193.8	-	232.2	398.6	147.4	204.3	253.6	211.4

Source: As in Table 4.5

Table 4.40 Index Number of Non-Foodgrains Area in Districts of West Bengal, 1982-83 to 2004-05 (1981-82 = 100)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24 -Parganas
1982-83	102.1	98.3	82.2	82.3	97.1	114.8	84.6
1983-84	101.1	169.6	104.5	109.7	95.8	109.7	86.9
1984-85	108.3	139.3	98.2	120.9	104.7	98.9	91.9
1985-86	109.6	131.3	107.4	135.3	114.3	122.4	103.4
1986-87	103.8	180.2	133.5	152.8	88.0	119.2	116.0
1987-88	110.7	204.6	152.9	168.1	143.9	149.9	130.3
1988-89	95.9	198.0	104.4	162.6	120.0	117.7	93.5
1989-90	127.8	205.5	129.2	175.9	94.9	120.3	84.7
1990-91	117.6	177.5	188.2	184.8	101.9	15.3	97.1
1991-92	138.1	145.1	184.7	241.4	106.8	178.4	105.3

Table 4.40 (continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24 -Parganas
1992-93	122.1	131.1	156.9	133.1	94.0	143.3	106.3
1993-94	115.2	124.6	160.2	141.4	91.5	172.3	108.2
1994-95	117.3	106.9	117.9	165.0	126.5	156.2	61.1
1995-96	103.2	97.6	156.6	163.1	98.3	170.9	94.3
1996-97	115.1	102.7	162.0	191.6	126.8	138.0	121.8
1997-98	120.2	97.7	163.1	290.2	90.8	178.1	129.1
1998-99	112.2	125.7	179.1	182.0	13.7	172.7	146.8
1999-00	124.4	131.3	171.5	275.6	15.6	162.2	137.1
2000-01	133.0	149.3	155.7	270.2	186.1	177.2	144.1
2001-02	209.8	154.4	146.9	291.9	144.4	180.7	155.7
2002-03	143.8	144.4	153.2	295.1	159.9	188.7	136.0
2003-04	143.5	147.2	200.3	311.0	172.2	200.8	130.4
2004-05	136.2	161.0	182.9	315.9	157.6	188.3	124.9
2005-06	126.4	156.3	173.1	-	143.8	188.5	129.3
2006-07	140.8	183.0	240.6	-	146.5	204.1	140.6

Table 4.40 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	86.9	102.7	97.9	94.2	85.0	98.7	97.5	97.3	77.8	96.6
1983-84	116.4	109.9	97.5	99.0	88.1	97.9	101.2	99.0	139.6	101.2
1984-85	116.7	125.0	114.8	117.8	108.4	101.5	110.3	97.3	145.8	110.4
1985-86	148.7	148.7	135.8	134.7	133.4	122.5	107.3	111.2	213.6	126.4
1986-87	131.4	106.2	126.8	93.5	98.9	104.9	104.1	100.8	197.1	113.3
1987-88	194.1	118.1	118.7	87.9	94.4	103.3	104.4	88.9	258.7	120.6
1988-89	144.8	116.3	117.5	81.0	107.3	103.3	111.9	93.7	195.1	112.7
1989-90	181.4	116.2	124.0	73.3	101.7	99.1	114.2	93.1	211.5	114.5
1990-91	174.6	126.9	129.5	80.1	120.1	101.4	109.8	95.5	235.3	122.1
1991-92	174.4	157.2	133.3	103.2	147.8	104.4	121.0	102.9	260.8	137.9
1992-93	160.5	142.3	121.9	102.4	114.1	106.4	110.0	102.1	271.1	125.8
1993-94	172.1	130.4	131.7	93.9	94.6	100.8	114.4	105.4	232.0	125.2
1994-95	503.9	140.6	140.2	96.5	99.3	157.3	79.1	100.3	170.4	128.2
1995-96	48.6	149.2	144.4	80.9	181.5	152.4	105.8	115.8	209.4	128.0
1996-97	158.3	166.5	156.8	85.1	114.6	113.0	0.0	131.7	101.3	145.1
1997-98	211.3	161.7	155.8	108.5	116.7	117.8	81.4	152.7	243.7	144.9
1998-99	206.1	159.9	164.6	102.7	119.8	117.4	110.1	135.3	189.5	144.4
1999-00	230.3	157.9	166.7	105.2	113.9	117.9	111.5	131.3	161.6	144.9
2000-01	215.1	174.6	173.9	115.0	139.3	115.7	115.1	131.8	119.3	151.6
2001-02	174.4	180.6	171.2	121.2(P)	141.9	117.2(P)	118.1(P)	132.6(P)	145.8	155.5
2002-03	178.2	183.0	172.3	122.1(P)	140.8	121.4(P)	118.5(P)	120.4(P)	150.9	154.6
2003-04	217.2	172.3	196.9	121.9(P)	147.0	120.7(P)	120.7(P)	128.5(P)	154.0	160.5
2004-05	115.7	163.4	182.1	118.2(P)	137.4	124.2(P)	119.4(P)	141.3(P)	160.8	155.3
2005-06	120.6	162.1	180.5	-	132.1	124.7	189.1	147.3	159.0	157.4
2006-07	136.1	157.8	190.3	-	152.6	129.3	141.0	157.5	234.1	167.8

Source: As in Table 4.5

Table 4.41 Index Number of Non-Foodgrains Production in Districts of West Bengal, 1982-83 to 2004-05

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	North 24 -Parganas
1982-83	111.0	91.9	93.4	141.5	135.6	121.3	90.8	90.8
1983-84	130.6	119.0	164.3	190.6	147.2	137.6	104.1	104.1
1984-85	131.7	143.0	161.5	176.5	183.0	138.4	104.0	104.0
1985-86	116.2	144.0	160.3	181.1	134.2	152.8	132.7	132.7
1986-87	117.0	188.3	225.4	280.7	182.7	158.4	148.0	148.0
1987-88	178.0	271..97	247.1	356.5	227.4	165.4	171.0	171.0
1988-89	171.7	263.3	198.7	350.8	194.7	179.9	142.3	142.3
1989-90	165.0	297.8	261.9	484.8	205.6	201.6	132.0	132.0
1990-91	183.1	223.5	413.4	295.8	204.7	199.3	141.8	141.8
1991-92	131.5	146.4	346.3	464.1	167.4	240.3	156.6	156.6
1992-93	156.8	173.5	302.4	426.5	131.1	204.4	163.6	163.2
1993-94	152.7	203.2	338.7	439.3	163.0	223.5	172.4	172.4
1994-95	153.8	147.5	307.3	500.4	250.4	242.2	129.1	101.9
1995-96	162.1	193.9	341.4	647.1	262.3	258.9	102.0	102.0
1996-97	200.6	227.5	418.7	805.5	350.8	372.4	217.1	217.1
1997-98	144.5	171.4	310.8	695.4	121.4	205.7	201.5	201.5
1998-99	154.2	229.8	395.1	707.7	233.4	216.0	218.7	218.7
1999-00	201.7	273.5	453.8	795.8	385.0	220.9	231.4	231.4
2000-01	194.6	277.5	421.1	679.9	553.4	295.2	NA	246.8
2001-02	209.8	272.2	384.1	774.3	365.9	325.7	NA	243.1
2002-03	233.9	208.7	336.4	661.8	512.0	120.8	NA	252.9
2003-04	211.7	245.5	332.5	592.8	372.5	320.4	NA	256.5
2004-05	189.6	223.6	394.0	510.0	312.8	242.4	NA	234.2

Table 4.41 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	110.2	117.9	119.2	98.8	101.6	108.2	108.5	130.2	55.1	107.6
1983-84	148.5	120.8	115.2	122.2	110.8	106.8	112.5	52.2	110.4	124.0
1984-85	145.2	149.5	131.0	132.0	124.1	114.3	115.9	106.3	101.2	131.1
1985-86	178.9	203.2	183.5	158.2	150.3	124.4	125.1	112.5	113.2	144.4
1986-87	166.0	146.8	155.0	105.4	110.7	116.7	108.4	130.9	191.1	142.5
1987-88	241.0	136.0	120.0	115.9	125.1	120.0	114.1	109.8	185.2	158.5
1988-89	215.9	161.5	167.2	153.0	146.4	124.6	124.8	136.2	245.5	168.9
1989-90	236.2	176.3	172.1	132.7	153.3	116.2	117.5	118.2	273.2	172.3
1990-91	237.6	190.1	186.5	143.2	182.3	108.5	128.4	135.6	245.0	179.4
1991-92	222.6	227.0	186.4	160.9	221.0	112.5	135.5	182.0	231.3	195.1
1992-93	211.7	208.4	173.9	152.3	159.4	115.9	160.6	139.4	191.4	182.0
1993-94	206.6	198.0	195.3	154.3	133.8	125.1	161.8	173.6	167.4	189.1

Table 4.41 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1994-95	503.6	209.2	211.2	132.8	161.9	132.1	124.4	168.2	109.2	199.7
1995-96	297.6	188.1	223.2	132.4	189.5	183.2	142.9	205.0	182.2	211.0
1996-97	217.0	156.7	259.2	193.0	250.1	148.1	-	257.5	166.2	273.6
1997-98	211.2	239.8	262.8	278.0	263.0	159.1	87.3	301.4	197.9	221.7
1998-99	170.0	232.9	273.6	195.8(P)	242.6	147.7(P)	210.0	474.3(P)	225.2	236.7
1999-00	299.0	237.6	268.4	220.1	268.0	155.3	217.3	335.5	174.0	250.4
2000-01	280.4	256.9	293.1	267.0	316.3	168.8	165.0	310.0	136.3	265.2
2001-02	292.8	260.2	283.8	269.7(P)	329.4	175.9(P)	170.2(P)	321.2(P)	216.8	272.8
2002-03	293.1	275.0	285.9	294.8(P)	294.0	179.3(P)	239.8(P)	284.5(P)	211.6	252.6
2003-04	395.7	274.4	319.4	311.0(P)	321.6	178.6(P)	242.4(P)	313.1(P)	210.1	279.3
2004-05	233.2	254.1	313.6	278.6(P)	290.7	184.5(P)	227.8(P)	450.5(P)	214.2	258.2

Source: As in Table 4.5

Table 4.42 Index Number of Non-Foodgrains Productivity in Districts of West Bengal, 1982-83 to 2004-05

Year	Burdwan	Birbhum	Bankura	Medinipur	Howrah	Hooghly	North 24 -Parganas
1982-83	108.7	93.5	113.6	172.0	139.8	105.6	107.4
1983-84	129.1	108.6	157.3	1743.7	153.6	125.4	119.8
1984-85	121.7	102.7	164.4	146.0	174.1	139.9	113.2
1985-86	106.0	109.7	149.3	133.9	117.4	124.8	128.4
1986-87	112.7	104.5	160.8	183.7	207.3	133.0	127.6
1987-88	160.8	132.9	161.6	212.1	192.9	110.4	131.3
1988-89	179.1	133.0	190.4	215.7	162.3	152.9	152.2
1989-90	129.1	144.9	202.8	275.7	216.7	167.6	155.9
1990-91	154.9	125.9	225.7	160.1	200.9	130.7	145.9
1991-92	95.2	100.9	187.5	192.3	156.7	134.6	148.7
1992-93	128.5	132.3	192.8	103.0	139.4	142.6	154.0
1993-94	132.6	163.1	211.4	182.0	178.2	129.8	159.3
1994-95	96.9	137.8	264.3	191.1	197.9	154.9	165.7
1995-96	157.1	198.7	218.0	246.0	266.8	151.5	108.2
1996-97	174.3	231.6	258.5	276.2	276.6	269.9	178.3
1997-98	129.4	175.5	190.5	239.7	133.7	115.5	146.1
1998-99	137.4	182.8	220.6	251.0	170.6	125.1	149.0
1999-00	162.1	208.3	264.6	288.8	247.1	136.2	168.8
2000-01	146.3	277.5	270.5	251.6	297.4	166.6	171.3
2001-02	146.5	272.2	261.5	265.3	253.3	180.2	156.1
2002-03	162.7	194.4	219.6	224.3	320.2	64.0	186.0
2003-04	147.5	166.8	166.0	190.6	216.3	159.6	196.7
2004-05	139.2	138.9	215.4	161.4	198.5	128.7	187.5

Table 4.42 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	126.9	114.8	121.8	104.9	119.6	109.6	111.3	106.1	70.9	111.4
1983-84	127.7	110.0	118.1	123.5	125.7	109.1	111.2	52.3	79.1	122.5
1984-85	130.0	119.7	114.1	120.8	114.5	112.6	105.1	109.0	69.4	118.8
1985-86	120.3	136.7	135.1	121.4	112.7	101.5	116.6	101.3	53.0	114.2
1986-87	126.4	138.3	122.2	122.7	111.9	103.1	104.2	129.9	97.0	125.8
1987-88	124.2	115.1	101.1	131.7	132.5	108.6	109.3	123.6	71.6	131.4
1988-89	149.1	138.8	142.3	188.8	136.4	108.2	111.5	145.3	125.8	149.9
1989-90	130.2	151.7	138.8	181.0	150.7	116.3	102.8	126.9	129.2	150.5
1990-91	136.1	149.8	144.0	178.8	151.8	115.1	116.9	142.0	104.1	146.9
1991-92	127.7	144.4	139.9	155.9	149.5	115.0	119.9	150.5	88.7	141.6
1992-93	131.9	146.5	142.7	140.8	139.8	117.2	146.0	136.5	70.6	144.7
1993-94	120.1	151.9	148.3	164.3	141.5	115.3	141.5	164.6	72.2	151.2
1994-95	103.2	145.8	148.1	174.4	181.5	84.0	157.1	167.7	65.8	155.8
1995-96	612.2	126.1	154.6	163.7	104.4	120.2	135.1	177.0	187.0	164.8
1996-97	137.0	154.2	165.4	203.0	218.2	131.1	-	195.6	91.7	188.6
1997-98	99.9	148.3	168.7	256.1	225.4	135.1	107.3	197.4	81.2	153.0
1998-99	82.5	145.7	166.2	190.7(P)	202.5	125.8	190.7	150.6	118.8	163.9
1999-00	129.8	150.5	161.0	209.2	235.3	131.7	194.9	255.5	119.3	172.9
2000-01	130.4	147.1	168.5	232.2	227.1	145.8	143.4	235.2	114.2	174.9
2001-02	167.9	144.1	165.8	222.5(P)	232.1	150.1(P)	144.1(P)	242.2(P)	148.7	175.4
2002-03	164.5	150.3	165.9	241.4(P)	208.8	147.7(P)	202.4(P)	236.3(P)	140.2	163.4
2003-04	182.2	159.3	162.2	255.1(P)	218.8	148.0(P)	200.8(P)	243.7(P)	136.4	174.0
2004-05	201.6	155.5	172.2	235.7(P)	211.6	148.6(P)	190.8(P)	318.8(P)	133.2	166.3

Source: As in Table 4.5

Table 4.43 Index Number of Agricultural Area in Districts of West Bengal, 1982-83 to 2006-07

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24 -Parganas
1982-83	87.9	89.3	88.2	96.2	93.0	95.1	92.8
1983-84	104.4	98.2	100.6	106.4	112.9	106.5	104.7
1984-85	106.9	98.9	104.0	100.8	93.8	93.9	98.8
1985-86	106.2	97.3	106.0	103.7	114.3	104.8	98.6
1986-87	101.7	95.7	103.7	106.5	115.6	100.4	108.5
1987-88	109.3	109.0	105.8	107.4	118.2	115.7	111.4
1988-89	102.9	104.1	104.9	106.8	116.5	107.1	99.7
1989-90	107.7	104.4	112.8	108.6	112.4	106.2	101.2
1990-91	107.8	106.9	124.0	113.9	129.0	118.8	101.1
1991-92	110.4	94.1	119.3	120.9	126.7	124.4	102.8
1992-93	105.5	92.6	117.1	116.2	125.2	112.8	103.8
1993-94	114.5	101.7	118.5	121.6	131.2	126.0	105.4

Table 4.43 (continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24 -Parganas
1994-95	115.1	95.9	114.1	122.5	115.9	123.3	90.5
1995-96	114.7	104.6	121.4	122.9	114.2	130.8	100.4
1996-97	119.3	96.7	118.6	126.4	113.1	110.8	105.3
1997-98	124.4	100.6	122.2	124.8	125.8	130.1	110.8
1998-99	130.6	109.7	110.2	121.9	121.0	128.2	122.4
1999-00	128.3	109.0	116.1	126.7	131.3	132.1	119.0
2000-01	114.5	96.6	111.6	127.8	117.0	137.1	108.2
2001-02	128.2	114.2	121.2	125.7	120.4	135.9	125.6
2002-03	125.8	114.4	92.8	121.9	129.1	136.2	107.6
2003-04	127.3	109.4	97.0	125.9	139.0	137.1	101.3
2004-05	122.5	113.0	101.6	126.2	130.4	135.9	98.4
2005-06	121.1	108.9	110.1	127.5	122.6	138.7	103.5
2006-07	127.3	114.1	120.5	134.6	118.5	138.1	107.9

Table 4.43 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	99.1	94.9	93.0	96.4	98.0	94.3	98.1	98.1	87.4	93.8
1983-84	101.2	106.2	100.3	100.4	103.2	99.1	101.7	99.2	100.8	102.4
1984-85	99.7	103.2	98.9	102.3	99.9	102.6	102.0	102.6	72.2	101.2
1985-86	98.6	105.2	98.7	100.9	96.7	103.4	94.0	100.2	108.6	102.2
1986-87	92.7	113.5	98.8	96.5	108.7	105.3	118.2	115.0	129.2	104.9
1987-88	102.8	114.7	102.1	96.7	110.6	100.5	98.0	99.5	119.2	106.9
1988-89	107.1	110.5	102.3	96.0	114.1	101.0	107.6	113.1	114.5	105.8
1989-90	108.8	115.3	101.7	91.8	110.9	100.2	125.0	109.2	119.7	106.8
1990-91	111.8	117.9	102.1	93.3	117.7	99.6	119.3	103.5	124.3	109.8
1991-92	113.1	117.2	96.6	95.3	115.0	97.07®	110.84®	111.2	125.7	109.7
1992-93	112.1	118.8	100.5	97.5	109.5	98.6	103.5	107.0	124.6	107.9
1993-94	115.4	118.9	101.3	95.1	109.3	93.9	103.4	107.2	127.6	110.7
1994-95	125.6	118.1	102.7	96.7	105.2	109.9	127.2	98.4	123.4	109.3
1995-96	137.8	121.4	104.2	94.5	121.2	111.3	92.8	104.8	126.9	111.8
1996-97	111.9	125.4	108.3	97.4	102.1	99.1	73.8	110.5	127.8	112.7
1997-98	114.5	126.4	109.0	97.5	103.0	100.5	87.1	110.0	135.0	114.3
1998-99	118.4	125.4	113.0	99.2	99.9	101.2	96.7	108.6	99.7	113.9
1999-00	122.3	131.1	117.8	102.7	99.7	103.9	93.0	108.6	124.6	117.4
2000-01	114.9	120.1	89.7	104.5	104.2	104.6	98.3	111.2	112.8	110.3
2001-02	114.4	146.0	122.8	105.3(P)	100.7	103.2(P)	91.6(P)	108.6(P)	123.6	119.4
2002-03	115.3	146.6	124.6	105.9(P)	100.9	107.4(P)	91.6(P)	103.6(P)	97.2	115.6
2003-04	120.5	136.4	131.3	110.0(P)	102.5	101.3(P)	92.3(P)	105.2(P)	123.5	117.5
2004-05	104.9	124.4	128.7	105.3(P)	103.9	104.5(P)	91.3(P)	108.1(P)	121.4	115.1
2005-06	105.7	119.7	125.7	103.9(P)	100.2	104.1(P)	89.4(P)	108.9(P)	112.7	114.5
2006-07	111.3	118.9	125.7	96.3(P)	83.6	102.8(P)	88.8(P)	99.9(P)	118.8	115.4

Source: As in Table 4.5

Table 4.44 Index Number of Agricultural Production in Districts of West Bengal, 1982-83 to 2006-07

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24 -Parganas
1982-83	92.3	62.8	70.2	81.1	98.3	96.4	89.1
1983-84	128.2	115.2	137.4	134.5	145.4	124.0	128.3
1984-85	127.0	116.6	137.3	138.7	136.8	128.0	128.0
1985-86	119.0	109.8	154.9	143.0	150.7	118.2	115.9
1986-87	133.5	113.1	154.6	156.0	157.5	127.4	127.0
1987-88	154.1	147.5	170.1	180.4	191.6	142.2	163.5
1988-89	165.8	146.6	175.2	197.9	194.2	155.8	158.0
1989-90	161.3	157.7	195.6	203.2	184.1	163.8	161.5
1990-91	168.3	220.6	212.8	170.8	188.1	168.7	158.0
1991-92	164.6	136.1	229.1	252.1	240.5	197.5	179.8
1992-93	160.6	142.4	211.0	231.4	198.4	169.5	174.4
1993-94	179.2	151.0	222.7	237.1	197.2	191.2	184.2
1994-95	184.2	142.7	229.2	260.3	184.6	206.2	158.5
1995-96	184.2	151.5	250.1	267.8	164.0	206.0	150.1
1996-97	200.8	162.5	255.5	314.1	201.7	251.8	180.3
2000-01	184.2	158.0	249.9	314.1	226.2	199.5	182.1
2001-02	219.3	212.5	288.1	337.4	248.7	256.8	221.2
2002-03	225.4	211.8	224.0	304.3	271.4	155.0	202.4
2003-04	226.5	185.6	213.0	294.3	213.0	247.3	194.2
2004-05	210.8	196.5	237.8	303.8	195.3	220.5	184.8
2005-06	210.7	207.8	258.6	287.6	254.4	246.4	193.7
2006-07	209.2	213.8	268.3	299.3	193.5	181.0	201.0

Table 4.44 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	78.3	95.3	84.6	97.7	100.3	102.5	102.8	97.2	56.1	86.8
1983-84	126.2	129.4	118.8	114.2	124.1	108.6	116.3	100.7	130.9	124.9
1984-85	139.2	142.1	119.3	120.0	123.6	114.8	121.4	117.4	149.1	127.5
1985-86	123.8	153.6	125.6	128.3	125.8	117.7	122.7	112.5	177.8	129.9
1986-87	101.9	161.0	116.9	127.2	143.0	108.6	105.2	131.5	166.2	134.8
1987-88	152.9	148.9	116.7	115.2	130.4	140.6	112.2	120.4	173.4	146.7
1988-89	174.4	175.0	155.7	144.5	149.2	114.2	127.5	149.4	156.9	161.8
1989-90	187.3	186.9	151.9	163.6	157.9	123.6	142.7	150.9	184.0	166.7
1990-91	137.9	199.1	160.5	164.5	176.1	113.6	132.0	146.3	160.6	162.7
1991-92	203.8	207.0	157.6	165.5	173.3	137.2	184.1	159.5	170.1	183.3
1992-93	197.4	200.0	165.9	163.5	158.7	138.9	168.1	148.2	181.8	174.8
1993-94	184.4	212.4	166.3	184.9	190.0	128.5	183.7	164.1	180.1	184.1
1994-95	223.6	205.5	195.8	176.6	177.0	134.7	158.5	126.5	198.8	188.2

Table 4.44 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1995-96	179.4	202.0	194.6	167.2	188.3	127.7	141.2	161.2	159.4	187.2
1996-97	205.1	224.0	206.6	220.2	200.1	172.5	130.8	182.6	195.5	210.3
2000-01	228.0	216.5	176.0	252.7	204.7	182.2	180.0	229.0	197.1	210.2
2001-02	261.8	268.3	233.7	234.4(P)	209.9	257.7(P)	189.2	216.1	299.4	240.6
2002-03	246.7	285.7	229.7	248.5(P)	205.9	251.2	188.2	205.8	197.6	225.4
2003-04	259.7	256.9	252.2	284.1(P)	221.0	228.3	191.6	227.0	259.0	236.8
2004-05	235.1	230.7	251.6	222.0(P)	241.0	236.3	179.6	256.2	271.5	233.0
2005-06	218.4	232.9	255.0	279.7(P)	230.9	256.3(P)	194.7(P)	256.2(P)	214.4	232.9
2006-07	236.6	222.9	228.9	247.5(P)	182.7	278.9(P)	202.7(P)	227.3(P)	290.9	227.0

Source: As in Table 4.5

Table 4.45 Index Number of Agricultural Productivity in Districts of West Bengal, 1982-83 to 2006-07

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24 -Parganas
1982-83	105.0	70.3	79.6	84.4	105.7	101.4	96.0
1983-84	122.9	117.3	136.7	126.5	128.8	116.5	122.6
1984-85	118.8	117.9	132.0	137.6	145.9	136.3	129.6
1985-86	123.1	112.9	146.2	137.1	131.8	112.8	117.6
1986-87	131.3	118.1	149.0	147.1	136.3	127.0	117.0
1987-88	141.0	135.3	160.8	167.9	162.1	122.9	146.4
1988-89	161.2	140.9	167.1	185.4	166.7	145.5	158.4
1989-90	149.8	151.1	173.4	187.1	163.8	154.2	159.7
1990-91	156.1	206.4	171.6	150.0	145.8	142.0	156.3
1991-92	149.1	144.5	192.0	208.4	189.9	158.8	174.9
1992-93	152.2	153.8	180.2	199.2	158.5	150.3	168.1
1993-94	156.5	148.5	187.9	194.5	150.3	151.7	174.8
1994-95	160.1	148.8	209.0	213.5	159.4	167.2	175.0
1995-96	160.5	144.8	205.9	217.9	143.6	157.5	149.5
1996-97	168.3	168.1	215.4	248.5	178.3	227.3	171.3
2000-01	161.5	163.6	223.9	245.8	193.3	194.1	168.3
2001-02	171.1	186.1	237.7	268.4	206.6	188.5	176.1
2002-03	179.2	185.1	241.4	249.6	210.2	113.8	188.1
2003-04	177.9	185.6	219.6	233.8	153.2	180.4	191.7
2004-05	172.1	173.9	234.1	240.7	149.8	162.3	187.8
2005-06	173.9	191.1	234.7	225.6	207.5	177.7	187.2
2006-07	164.3	187.4	224.7	222.4	163.3	131.1	186.2

Table 4.45 (continued)

Year	South 24 -Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	78.9	100.4	91.0	101.4	105.1	108.7	104.9	99.1	64.1	92.5
1983-84	124.7	121.9	118.4	113.1	126.5	109.5	114.3	101.5	129.9	122.0
1984-85	139.6	137.7	120.6	117.4	126.3	111.9	119.1	114.4	206.6	127.1
1985-86	125.5	146.0	127.4	127.1	130.2	113.8	130.6	112.2	163.7	127.1
1986-87	109.9	141.8	118.3	131.4	131.5	103.2	89.1	114.3	128.6	128.5
1987-88	148.8	129.8	114.2	119.1	118.0	139.9	114.3	120.9	145.5	137.2
1988-89	162.9	158.4	152.1	150.6	130.8	113.2	120.9	132.1	137.0	152.9
1989-90	172.1	162.1	149.4	178.3	142.3	123.3	132.1	138.2	153.4	156.1
1990-91	123.3	168.9	157. 2	176.3	149.6	116.9	110.7	141.4	129.2	148.2
1991-92	180.2	176.7	163.1	173.7	150.7	141.4	166.1	143.4	135.9	167.0
1992-93	176.1	168.4	165.1	178.0	145.0	140.9	162.4	138.5	145.9	161.9
1993-94	159.9	178.5	164.2	194.5	173.8	136.8	177.8	157.0	147.5	166.3
1994-95	178.1	173.9	190.6	185.7	168.2	122.5	124.6	128.6	161.6	172.2
1995-96	130.2	166.3	169.6	179.0	155.4	132.1	152.2	153.8	153.9	167.4
1996-97	183.2	178.6	190.7	226.0	196.0	174.0	114.1	163.2	153.0	186.6
2000-01	198.4	180.3	178.3	241.8	196.5	174.2	201.6	205.9	174.7	190.7
2001-02	228.8	183.8	190.3	222.5	208.4	249.7	206.6	199.1	242.2	201.5
2002-03	214.0	194.9	184.3	234.7	204.0	233.9	205.5	198.6	203.3	195.0
2003-04	215.5	188.3	192.1	258.3	215.6	225.4	207.6	215.8	209.7	201.5
2004-05	224.1	185.5	195.5	210.8	232.0	312.2	169.7	242.2	223.6	202.4
2005-06	206.7	194.6	202.9	269.3	230.4	246.3	217.6	235.3	190.3	203.4
2006-07	212.7	187.4	182.9	256.9	218.5	271.3	227.8	227.7	244.9	196.7

Source: As in Table 4.5

4.6 Factors Contributing to Agricultural Development

The improvement as well as variation in crop yield across districts is explained by institutional measures like land reforms and technological factors like percentage of irrigated area and fertilizer consumption that also varied widely across the districts. Land reform has been the basis of the State Government's rural development policy. Land reform measures implemented by the State Government envisage distribution of ceiling surplus land to the landless and registration of bargadars and thereby providing them security of tenure. The right of land provided to the bargadars is permanent and inheritable. It casts a great effect on production and development in the agriculture sector. Till the end of November 2008, 4.55 lakh hectares of ceiling surplus land were distributed to 29.83 lakh beneficiaries. Out of the total beneficiaries 11.02 lakh belonged to SC communities and 5.47 lakh belong to ST communities. In recent years, most pattas are granted jointly to husband and wife. This provision only started from the mid-1990s ; prior to that, when most of the land was redistributed pattas were granted only to the head of the household, who was typically male. Some cases of pattas being

granted singly to women pattaholders did occur. Nevertheless, the incidence of joint pattas and single pattas to women remain very low, and joint pattas account for less than 10 per cent of the total, while pattas in the name of women as single holders account for less than 6 per cent of the total (West Bengal Human Development Report 2004: 35).

As a result of land reforms measures, there has been a trend of decreasing size in the land holding pattern of the State. During 2000-01 average area operated per household was highest in Darjeeling district (1.65 hectare) followed by Jalpaiguri district (1.24 hectare), the lowest area being in Howrah district (0.43 hectare). The latest data generated by the Agricultural Census 2005-06 reveals that the number of holdings in the marginal size-class has increased considerably, thereby reducing the average size of holdings from 0.82 hectares in 2001 to 0.79 hectares in 2005-06. The total number of bargadars recorded in the Record of Rights up to November 2008 was 15.36 lakh, and the area under barga registration was 4.55 lakh hectares (Table 4.46 to Table 4.48). The most significant effect of the land reforms has clearly been the unleasing of productive forces , which led to a dramatic expansion in agricultural output growth, making West Bengal the most agriculturally dynamic State of India in the last two decades of the century (ibid: 37).

Irrigation: The provision of adequate irrigation facilities is a priority area of the State Government. The Economic Review, 2000-2001 of the State Government notes, "While expanding the irrigation potential available in the State, the State Government has paid particular attention to the spread of minor irrigation facilities". The emphasis on development of minor irrigation is made because minor irrigation facilities have better record of utilization of potential created than larger irrigation systems and minor irrigation facilities can be land holding specific ensuring easier provision of irrigation to the targete group (Economic Review, 2000-2001 of GOWB). Irrigation is the primary source of water in the dry months of year and supplements rainfall in monsoon season if rainfall is low. In this study, no detailed analysis of the available sources is made as this beyond the scope of the present study. The coverage of irrigation facilities in the districts is calculated. Availability of data on irrigation is not easy. Data are not available from a single source as irrigation data are maintained by different departments e.g. Departments of Minor Irrigation and Water Investigation and Development for Minor Irrigation, and Department of Irrigation and Waterways for major and medium irrigation installations and Department of Agriculture. As a result, comparable classification is not possible and the findings are often inconsistent (Rawal, 2002). However, in this study, data available from District Statistical Handbooks published by Bureau are used for calculation of irrigation coverage in the districts.

In northern part of the State, irrigation coverage is very low. Of the bottom five districts, three are in North Bengal (e.g. Darjeeling, Cooch Behar and Uttar Dinajpur). Low irrigation coverage in Purulia and Darjeeling is mainly due to low ground water potential. Purulia is in laterite zone and Darjeeling is a hill district. The better irrigation coverage in Bankura, Birbhum, Burdwan, Midnapore, Hooghly and Nadia are due to growth of river-lift irrigation schemes.

Gross area irrigated by different sources like Government cannal, tanks, wells, RLI, and other sources recorded increase in Birbhum, Coochbehar, Uttar Dinajpur, Hooghly, Howrah, Jalpaiguri, Maldah, Murshidabad, Nadia, North 24-Parganas and South 24-Parganas while that in other districts recorded decline during 1995-96 to 2005-06.

During this period Coochbehar, Howrah, Jalpaiguri, Purulia and South 24-Parganas districts recorded increase in area irrigated by government cannal while the rest of the districts of West Bengal registered decline. Coochbehar, Howrah, Jalpaiguri, and North 24-Parganas districts recorded increase in area irrigated by tanks while the rest of the districts of West Bengal registered decline. All the districts of West Bengal recorded increase in area irrigated by wells except Howrah, and Purulia district registered decline. During the same period Birbhum, Coochbehar, Uttar Dinajpur, Hooghly, Howrah, Jalpaiguri, Maldah, Nadia, North 24-Parganas and South 24-Parganas districts recorded increase in gross area irrigated while the rest of the districts of West Bengal registered decline. During 1995-96 to 2005-06 eigth districts of the state, namely Jalpaiguri, Coochbehar, Uttar Dinajpur, Maldah, Nadia, North 24-Parganas, South 24-Parganas, Howrah and Hooghly recorded increase in percentage of area irrigated. During 2005-06 Hooghly registered the highest percentage of area irrigated to gross cropped area followed by Paschim Medinipur , the lowest percentage being recorded in Darjeeling. (Table 4.49 to Table 4.50).

Minor irrigation has played a pivotal role in boosting agricultural production in the State. At the end of 2007-08 3925 High Capacity Deep Tube Wells, 734 Medium Capacity Deep Tube Wells, 4214 Low Capacity Deep Tube Wells,16047 Shallow Deep Tube Wells ,3767 Major River Lift Irrigation, 141 Midi River Lift Irrigation,1516 Mini River Lift Irrigation, 217 Surface Flow Minor Irrigation Scheme, 261 Water Harvesting Tanks and 216 Pump Dug Wells set up by Water Resource Investigation and Development Department under different programmes in the State are in operation. Under RIDF-VIII execution of 4002 various types of M.I. structures with a total project cost of Rs 8764.34 lakh taken up during 2002-03.The field level work of 3720 M.I. Schemes have been completed by the W.R.D.D. and handed over to the beneficiary committees .The potential created is 65856 hectares against targeted 70268 hectares. Implementation of Minor Irrigation Schemes was initiated under Rashtriya Krishi Vikash Yojona (RKVJ) during 2008-09.

Fertiliser consumption: Increase in the consumption of fertilizer per hectare of gross cropped area was recorded in the districts of West Bengal during 1980-81 to 2007-08. Consumption of fertilizers per hectare of gross cropped area more than doubled during this period (Table 4.51). Major emphasis is recently being laid on the organic agriculture in the State for Maintenance of inherent soil pull reserve, Eco-friendly and low cost farming System. This is achieved through balanced and integrated use of organic manure and through Bio-villages. This scheme is being implemented in the State since 2003-04. In 75 mouzas of the State 75 Bio-villages, each covering 10 hectares area, have been set up to promote agriculture .

Cold storage and warehousing: The Directorate of Agricultural Marketing provides licenses and regulates the functioning of cold storage and warehouses. In 2008-09, 16 potato cold storages and 2 multipurpose cold storages were set up and additional 2.61 lakh MT space for potato and 0.07 lakh MT space for multipurpose commodities were created. The district wise list of number and capacity of cold storages as on December 2007 is given in Table 4.52.

Agricultural credit: Agricultural credit per thousand of gross cropped area during 2006-07 in districts of West Bengal is shown in Table 4.53.

Harvest price: During 1977-78 to 2007-08 all the districts of West Bengal recorded increase in per quintal harvest price of Aman rice. The highest increase was registered in Bankura district followed by Maldah district and the lowest in the district of Burdwan. During 1977-78 to 2007-08 all the districts of West Bengal recorded increase in per quintal harvest price of potato. The highest increase was registered in Darjeeling district followed by Hooghly district and the lowest in the district of Burdwan. During 1977-78 to 2006-07 all the districts of West Bengal recorded increase in per quintal harvest price of mustard.(Table 4.54 to Table 4.58)

Agricultural wage: As consequence of different institutional reform measures introduced by West Bengal Government since early 1980s like recording of share croppers, distribution of surplus land among the landless and the introduction of three tire panchayat system, it become possible to cause rise in agricultural wage rate of male agricultural labourers. The progressive increase in the wage rate of the male agricultural field labourers is attributed to better implementation of various self and wage employment programmes implemented under the initiative of Central and State Governments. The increase in agriculture wage is not confined to a few districts but it is true across the State. After undertaking massive land reform measures, reliance on small and marginal farmers for growth in agricultural production in the State has led to high labour absorption directly in the production of different crops (*Economic Review*, 2000-2001 of Govt. of West Bengal). The average daily wage rate of male field laborers in the State increased from Rs 66.67 in 2006-07 to Rs 74.16 in 2007-08. The wage rate increased more or less in all the districts. Agricultural wage rate for male field labourers increased more than three fold during the period from 1990-91 to 2007-08 in most of the districts (Table 4.59).

Table 4.46 Estimated Area of Operational Holdings by District in West Bengal, 1980-81 and 2000-01

(Thousand hectare)

Districts	1980 – 81						2000 – 01						
	Marginal (below 1 hectare) (no. of household)*	Marginal area of holding (hectare)*	Small (1-2 hectare) (no. of household)*	Small area of holding (hectare)*	All size (no. of household)*	All size area of holding (hectare)	Marginal (below 1 hectare) (no. of household)*	Marginal area of holding (hectare)*	Small (1-2 hectare) (no. of household)*	Small area of holding (hectare)*	All size (no. of household)*	All size area of holding (hectare)*	Average size of holding (hectare)
Burdwan	211.2	95.6	101.5	380.9	470.9	1.2	325.6	191.6	88.4	149.9	452.9	472.1	1.0
Birbhum	135.0	63.9	62.5	239.9	294.9	1.2	200.3	118.0	63.4	107.2	289.8	306.4	1.1
Bankura	204.2	91.7	84.9	337.2	382.0	1.1	239.4	123.3	85.0	133.2	367.0	388.7	1.1
Purba Medinipur	505.2	174.0	76.5	608.6	371.5	0.6	550.2	256.8	26.6	41.1	581.5	311.0	0.5
Paschim Medinipur	283.1	119.9	91.8	432.9	446.6	1.0	577.3	312.6	82.3	139.6	680.2	512.8	0.8
Howrah	184.3	55.8	17.7	206.8	96.5	0.5	218.3	77.3	14.6	17.9	235.7	102.6	0.4
Hooghly	241.4	93.7	51.6	313.6	235.3	0.8	284.3	125.4	38.3	61.9	332.0	217.7	0.7
North 24-Parganas	328.4	122.8	73.4	437.3	329.5	0.8	362.7	166.2	52.2	79.9	428.6	284.3	0.7
South 24-Parganas	455.3	152.5	76.1	565.0	370.2	0.7	524.3	229.2	75.7	105.7	611.6	369.4	0.6
Nadia	236.6	104.0	74.1	349.5	339.7	1.0	310.4	180.5	76.4	130.5	400.6	352.0	0.9
Murshidabad	352.8	145.0	101.1	499.6	449.2	0.9	460.0	212.2	97.9	144.1	586.8	439.6	0.7
Uttar Dinajpur	235.8	91.8	80.6	380.5	405.4	1.1	358.9	212.4	83.1	143.8	470.7	449.1	1.0
Maldah	240.2	88.3	60.5	334.9	298.1	0.9	295.8	160.9	53.0	91.0	363.8	298.8	0.8
Jalpaiguri	127.2	60.1	49.2	204.8	341.7	1.7	230.8	125.2	43.5	70.6	286.0	355.1	1.2
Darjeeling	35.2	17.5	17.6	65.1	153.0	2.4	74.7	38.6	13.9	20.7	92.0	152.4	1.7
Coochbehar	157.8	68.4	65.5	259.3	261.4	1.0	236.0	128.3	51.5	79.9	309.4	274.7	0.9
Purulia	161.9	74.6	64.1	262.8	308.8	1.4	213.1	100.3	63.8	89.5	301.5	260.3	0.9
West Bengal	4096	1620	1149	5878	5545	0.9	5462	2759	1009	1607	6790	5547	0.8

Note: * = Numbers in Thousand Figure

Source: Agricultural Census, Directorate of Agriculture, Government of West Bengal (2006,2008)

Table 4.47 Area of Vested Agricultural Land Distributed and Number of Beneficiaries in Districts of West Bengal, 2009 (As on 30 the November)

District	Land area distributed (in hect.)	Number of beneficiaries (persons)			
		Scheduled castes	Scheduled tribes	Other castes	Total
Burdwan	25157	91368	43334	81512	216214
Birbhum	19692	77232	36734	47404	161370
Bankura	25788	92809	36211	48588	177608
Purba Medinipur	20003	43316	12290	171734	227340
Paschim Medinipur	94551	204894	170615	293086	668595
Howrah	1892	6246	540	19334	26120
Hoogly	5279	33698	13960	24933	72591
North 24 Parganas	12265	54022	24742	68475	147239
South 24 Parganas	31054	67181	13450	91897	172528
Nadia	8974	31032	6495	63005	100532
Murshidabad	18660	33116	8888	119184	161188
Uttar Dinajpur	29728	77213	22101	53208	152522
Dakshin Dinajpur	20950	39862	47031	43296	130189
Maldah	31659	40910	29932	87621	158463
Jalpaiguri	41293	70794	28473	35483	134750
Darjeeling	12628	19881	14222	17958	52061
Cooch Behar	25959	85918	5086	39400	130404
Purulia	29737	32295	32757	28012	93064
West Bengal	455269	1101787	546861	1334130	2982778

Source: Land and Land Reforms Department, Govt. of West Bengal

Table 4.48 Recording of Bargadars in Districts of West Bengal , 2008 (As on 30 th November) (Area in hectares)

District	Scheduled castes		Scheduled tribes		Other castes		Total	
	No.	Area	No.	Area	No.	Area	No.	Area
Burdwan	45620	16434	17545	7136	71337	23609	134502	47179
Birbhum	46958	20353	17499	8128	49430	17997	113887	46477
Bankura	31903	7458	12532	3367	72398	16329	116833	27154
Purba Medinipur	21256	3168	1663	265	144866	17847	167785	21280
Paschim Medinipur	40967	6206	24419	5018	85905	20027	151291	31251
Howrah	10047	2640	432	34	32278	7393	42757	10067
Hoogly	38570	8287	13634	3207	62448	13861	114652	25355
North 24 Parganas	20897	6032	10466	2414	42935	11100	74298	19546
South 24Parganas	41929	11648	3448	1414	69084	21453	114461	34515
Nadia	20862	5458	1887	396	41759	13038	64508	18892
Murshidabad	14442	4839	2396	1204	69304	21083	86142	27127
Uttar Dinajpur	12335	2781	4411	1308	15244	4963	31990	9052
Dakshin Dinajpur	20265	6367	16087	5643	35543	9644	71895	21654
Maldah	20180	8762	20290	8806	41499	14479	81969	32047
Jalpaiguri	28469	15966	13549	12286	19360	10852	61378	39104
Darjeeling	4154	1903	3042	1576	5683	3534	12879	7013
Cooch Behar	50480	19701	951	506	33631	13619	85062	33826
Purulia	3404	1547	2408	812	3524	1080	9336	3439
West Bengal	472738	149550	166659	63520	896228	241908	1535625	454978

Source: Land & Land Reforms Department, Government of West Bengal

Table 4.49 Gross Area Irrigated by Different Sources in Districts of West Bengal, 1995-96 to 2005-06

(thousand hectare)

District	Year	Government canal	Tanks	Wells	RLI	Other sources	Gross total
	1995-96	197.90	90.10	8.70	Nsa	110.90	407.60
	1996-97	141.60	50.40	5.90	Nsa	125.50	323.40
	1997-98	217.30	53.00	5.30	Nsa	80.84	356.44
	1998-99	187.00	44.70	4.60	Nsa	133.30	369.60
	1999-00	205.20	44.60	6.10	Nsa	136.10	392.00
Bankura	2000-01	151.00	39.48	121.57	Nsa	20.71	332.76
	2001-02	105.54	20.84	48.62	2.44	4.90	182.34
	2002-03	113.06	24.86	49.68	3.31	4.92	195.83
	2003-04	109.02	26.74	56.78	4.18	5.96	202.68
	2004-05	109.89	32.35	52.78	7.28	6.32	208.62
	2005-06	176.29	33.11	52.58	5.38	6.20	273.56
	1995-96	199.25	40.35	0.33	Nsa	42.47	282.40
	1996-97	168.51	40.35	0.33	Nsa	42.50	251.69
	1997-98	171.40	41.00	0.35	Nsa	84.34	297.09
	1998-99	183.63	41.00	0.35	Nsa	52.37	277.35
	1999-00	182.98	41.00	0.38	Nsa	54.00	278.36
Birbhum	2000-01	185.66	41.00	3.00	Nsa	43.94	273.60
	2001-02	155.88	40.75	44.63	2.15	3.20	246.61
	2002-03	169.23	40.50	44.53	2.15	3.20	259.61
	2003-04	192.64	25.40	50.17	2.15	54.95	325.31
	2004-05	184.02	25.40	50.02	2.15	54.95	316.54
	2005-06	159.89	25.28	50.04	2.08	54.53	291.82
	1995-96	324.00	5.00	-	Nsa	21.00	350.00
	1996-97	265.00	5.00	-	Nsa	24.00	294.00
	1997-98	302.00	5.00	-	Nsa	21.00	328.00
	1998-99	318.00	-	-	Nsa	29.00	347.00
	1999-00	314.00	-	-	Nsa	29.00	343.00
Burdwan	2000-01	292.68	-	18.74	Nsa	8.90	320.32
	2001-02	265.50	-	19.52	12.00	-	297.02
	2002-03	306.98	-	23.42	12.08	-	342.48
	2003-04	300.94	-	23.60	11.35	-	335.89
	2004-05	287.81	-	13.12	12.66	-	313.59
	2005-06	283.70	-	22.43	11.86	-	317.99
	1995-96	0.50	1.92	-	Nsa	23.51	25.93
	1996-97	0.50	2.03	-	Nsa	23.84	26.37
	1997-98	0.50	2.28	-	Nsa	29.47	32.25
	1998-99	0.50	5.75	-	Nsa	53.64	59.89
	1999-00	0.75	5.75	-	Nsa	53.79	60.29
Coochbehar	2000-01	1.65	5.85	34.68	Nsa	22.60	64.78
	2001-02	1.70	5.85	41.15	14.05	12.15	74.90
	2002-03	0.78	5.85	42.17	14.19	12.34	76.33
	2003-04	0.78	5.87	78.49	14.21	4.21	103.56
	2004-05	0.49	5.87	79.02	14.3	5.48	105.16
	2005-06	1.70	5.87	79.10	14.31	5.52	106.50

Table 4.49 (continued)

District	Year	Government cannal	Tanks	Wells	RLI	Other sources	Gross total
	1995-96	6.57	0.33	0.11	Nsa	12.00	19.01
	1996-97	6.50	0.33	0.68	Nsa	12.00	19.51
	1997-98	7.52	0.33	0.68	Nsa	12.00	20.53
	1998-99	8.48	-	-	Nsa	-	8.48
	1999-00	8.80	-	-	Nsa	-	8.80
Darjeeling	2000-01	8.97	-	0.45	Nsa	0.08	9.50
	2001-02	9.27	-	0.45	3.24	3.47	16.43
	2002-03	4.34	-	0.56	2.48	0.12	7.50
	2003-04	4.72	-	0.64	3.78	0.12	9.26
	2004-05	3.35	-	2.27	4.10	0.54	10.26
	2005-06	2.43	-	2.21	4.21	0.09	8.94
	1995-96	-	20	-	Nsa	27.87	47.87
	1996-97	-	10.75	-	Nsa	43.83	54.58
	1997-98	-	20.67	-	Nsa	28.55	49.22
	1998-99	-	20.67	-	Nsa	28.55	49.22
	1999-00	-	20.67	-	Nsa	29.28	49.95
Dakshin Dinajpur	2000-01	-	20.67	-	Nsa	27.57	48.24
	2001-02	-	10.36	42.12	9.89	-	62.37
	2002-03	-	10.36	40.64	5.90	-	56.90
	2003-04	-	10.36	43.69	4.90	-	58.95
	2004-05	-	10.36	8.06	6.23	-	24.65
	2005-06	-	10.36	12.05	5.84	-	28.25
	1995-96	4.50	16.00	-	Nsa	56.53	77.03
	1996-97	5.50	0.57	-	Nsa	46.27	52.34
	1997-98	6.00	14.83	38.75	Nsa	38.75	98.33
	1998-99	6.00	14.83	-	Nsa	39.73	60.56
	1999-00	6.00	14.83	-	Nsa	40.62	61.45
Uttar Dinajpur	2000-01	6.00	14.83		Nsa	41.20	62.03
	2001-02	6.00	14.83	103.94	2.34	-	127.11
	2002-03	7.60	14.83	104.25	3.6	-	130.28
	2003-04	6.48	8.90	92.68	2.24	-	110.30
	2004-05	2.20	5.97	126.19	5.28	-	139.64
	2005-06	2.59	6.00	132.18	6.92	-	147.69
	1995-96	95.55	40.84	-	Nsa	59	195.39
	1996-97	82.92	40.85	-	Nsa	59.01	182.78
	1997-98	100.92	39.50	-	Nsa	62.29	202.71
	1998-99	103.85	18.53	-	Nsa	87.5	209.88
	1999-00	101.99	18.74	-	Nsa	84.07	204.80
Hooghly	2000-01	79.02	35.24	-	Nsa	84.89	199.15
	2001-02	90.85	35.24	149.10	38.82	-	314.01
	2002-03	96.40	33.34	143.79	39.99	-	313.53
	2003-04	101.91	33.43	159.51	47.72	-	342.57
	2004-05	103.98	37.45	153.88	42.88	-	234.21
	2005-06	99.79	37.45	154.99	42.88	-	335.11

Table 4.49 (continued)

District	Year	Government cannal	Tanks	Wells	RLI	Other sources	Gross total
	1995-96	5.00	5.80	6.5	Nsa	7.80	25.10
	1996-97	5.00	8.10	4.60	Nsa	4.30	22.00
	1997-98	17.50	8.10	4.60	Nsa	4.20	34.40
	1998-99	24.68	8.17	4.70	Nsa	8.20	45.75
	1999-00	15.68	8.17	4.70	Nsa	8.30	36.85
Howrah	2000-01	10.05	8.31	4.75	Nsa	4.25	27.36
	2001-02	9.84	8.39	4.79	4.24	-	27.26
	2002-03	9.47	8.39	6.53	2.5	-	26.89
	2003-04	9.79	8.39	4.97	2.27	-	25.42
	2004-05	35.97	8.39	5.10	2.85	-	52.31
	2005-06	35.50	8.95	4.81	2.31	-	51.57
	1995-96	38.55	0.70	0.55	Nsa	4.25	44.05
	1996-97	41.55	1.90	0.55	Nsa	5.36	49.36
	1997-98	46.19	1.90	0.55	Nsa	7.05	55.69
	1998-99	48.45	2.20	0.55	Nsa	18.43	69.63
	1999-00	52.37	2.20	0.55	Nsa	18.43	73.55
Jalpaiguri	2000-01	57.71	1.90	5.67	Nsa	18.94	84.22
	2001-02	57.76	2.25	5.97	9.92	8.80	84.7
	2002-03	61.84	2.25	9.81	13.15	7.35	94.40
	2003-04	58.38	2.25	9.38	9.04	15.23	94.28
	2004-05	58.38	2.09	9.68	9.04	15.23	94.42
	2005-06	58.38	2.12	10.10	8.86	14.12	93.58
	1995-96	-			Nsa	94.29	94.29
	1996-97	-	0.099	-	Nsa	98.55	98.64
	1997-98	-	1.392	-	Nsa	107.77	109.16
	1998-99	-	1.30	-	Nsa	106.13	107.43
	1999-00	-	1.30	-	Nsa	110.15	111.45
Maldah	2000-01	-	1.30	-	Nsa	111.59	112.89
	2001-02	-	1.31	88.95	9.01	24.86	124.12
	2002-03	-	1.31	85.53	8.60	24.63	120.07
	2003-04	-	1.31	88.95	9.01	24.86	124.12
	2004-05	-	1.31	88.99	9.01	24.87	124.19
	2005-06	-	1.31	90.07	9.09	24.89	125.38
	1995-96	49.16	10.75	-	Nsa	55.5	115.41
	1996-97	44.08	10.79	-	Nsa	55.29	110.16
	1997-98	51.19	10.81	-	Nsa	54.95	116.95
	1998-99	51.01	10.82	-	Nsa	77.64	139.47
	1999-00	50.81	10.83	-	Nsa	75.84	137.48
Murshidabad	2000-01	50.20	10.83	-	Nsa	166.82	227.85
	2001-02	46.62	10.16	24.55	10.44	131.91	223.68
	2002-03	52.69	7.87	20.26	11.44	131.06	223.32
	2003-04	45.47	8.56	15.17	11.57	130.72	211.49
	2004-05	34.53	8.30	14.22	11.90	130.72	199.67
	2005-06	32.89	7.84	11.36	11.14	141.43	204.66

Table 4.49 (continued)

District	Year	Government cannal	Tanks	Wells	RLI	Other sources	Gross total
	1995-96	-	-	160.50	Nsa	5.00	165.50
	1996-97	-	-	169.80	Nsa	5.00	174.80
	1997-98	-	-	169.80	Nsa	5.00	174.80
	1998-99	-	-	192.40	Nsa	16.30	208.70
	1999-00	-	-	192.40	Nsa	15.70	208.10
Nadia	2000-01	-	-	196.94	Nsa	14.73	211.67
	2001-02	-	-	189.73	10.65	12.01	212.39
	2002-03	-	-	189.10	10.32	10.17	209.59
	2003-04	-	-	188.75	10.01	10.11	208.87
	2004-05	-	-	181.20	11.19	9.39	201.78
	2005-06	-	-	192.22	11.07	9.72	213.01
	1995-96	24.00	45.00	10.00	Nsa	38.00	117.00
	1996-97	29.00	32.00	10.00	Nsa	7.00	78.00
	1997-98	30.32	23.27	6.56	Nsa	3.18	63.33
	1998-99	28.38	32.09	11.17	Nsa	13.19	84.83
	1999-00	29.45	28.95	5.16	Nsa	18.47	82.03
Purulia	2000-01	27.33	27.81	1.02	Nsa	14.10	70.26
	2001-02	23.76	22.44	1.09	1.04	3.01	51.34
	2002-03	23.76	22.80	1.02	1.43	2.96	51.97
	2003-04	29.06	27.14	3.99	1.12	4.59	65.90
	2004-05	29.82	27.76	4.05	0.93	3.19	65.75
	2005-06	30.29	28.31	3.42	1.32	8.79	72.13
	1995-96	-	1.70	-	Nsa	139.60	141.30
	1996-97	-	1.90	-	Nsa	166.00	167.90
	1997-98	-	1.90	-	Nsa	136.44	138.34
	1998-99	0.15	1.90	-	Nsa	136.60	138.65
	1999-00	0.15	2.00	-	Nsa	143.20	145.35
North 24- Parganas	2000-01	-	17.24	-	Nsa	144.47	161.71
	2001-02	-	16.67	117.66	6.05	17.24	157.62
	2002-03	-	16.67	125.06	5.41	7.27	154.41
	2003-04	-	17.00	121.88	4.57	7.34	150.79
	2004-05	-	15.14	-	1.07	3.79	20.00
	2005-06	7.50	15.14	117.43	11.94	3.69	155.70
	1995-96	33.50	25.02	-	Nsa	25.39	83.91
	1996-97	34.22	27.68	-	Nsa	19.79	81.69
	1997-98	47.55	30.57	-	Nsa	22.73	100.85
South 24- Parganas	1998-99	47.56	25.24	-	Nsa	19.66	92.46
	1999-00	17.55	26.20	-	Nsa	20.58	64.33
	2000-01	16.06	33.75	19.01	Nsa	2.216	71.04

Table 4.49 (continued)

District	Year	Government cannal	Tanks	Wells	RLI	Other sources	Gross total
	2001-02	16.50	34.25	19.18	2.23	-	72.17
	2002-03	10.41	35.66	16.72	2.48	-	65.27
South 24- Parganas	2003-04	9.01	40.00	24.80	2.50	-	76.31
	2004-05	49.99	34.70	11.63	1.83	-	98.15
	2005-06	44.90	12.35	13.97	4.06	34.26	109.54
	1995-96*	193.88	73.66	39.10	Nsa	331.65	638.29
	1996-97*	176.18	65.09	40.25	Nsa	311.26	592.78
	1997-98*	217.25	64.15	32.52	Nsa	258.46	572.38
	1998-99*	171.16	69.01	35.96	Nsa	263.63	539.76
	1999-00*	220.03	67.15	-	Nsa	299.31	586.49
Paschim Medinipur	2000-01*	152.93	67.15	-	Nsa	292.03	512.11
	2001-02	142.15	26.38	151.91	14.00	47.02	381.47
	2002-03	108.28	22.09	169.18	16.52	29.24	345.31
	2003-04	90.71	24.70	154.99	15.69	37.70	323.79
	2004-05	66.11	24.70	154.99	15.69	37.70	299.19
	2005-06	66.11	24.70	155.07	15.69	42.45	304.02
	1995-96*	193.88	73.66	39.10	Nsa	331.65	638.29
	1996-97*	176.18	65.09	40.25	Nsa	311.26	592.78
	1997-98*	217.25	64.15	32.52	Nsa	258.46	572.38
	1998-99*	171.16	69.01	35.96	Nsa	263.63	539.76
	1999-00*	220.03	67.15	-	Nsa	299.31	586.49
Purba Medinipur	2000-01*	152.93	67.15	-	Nsa	292.03	512.11
	2001-02	24.29	39.97	52.25	2.42	77.15	196.08
	2002-03	41.27	26.25	68.31	2.66	38.80	177.29
	2003-04	41.27	26.25	75.61	2.64	38.80	184.57
	2004-05	41.27	26.25	75.78	3.65	38.80	185.75
	2005-06	63.58	26.25	75.78	3.65	38.80	209.06

*Source**:** District Statistical Handbook*, Bureau of Applied Economics and Statistics, Government of West Bengal
Notes: * Indicate combined figures of undivided Medinipur District, NSA= Not separately available, RLI = River lift irrigation.

Table 4.50 Percentage of Area Irrigated in Districts of West Bengal, 1995-96 to 2005-06

District	1995-96	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	Rank
Burdwan	45.35	38.74	39.31	39.30	41.14	34.04	39.83	38.83	37.46	38.54	5
Bankura	75.55	64.71	73.83	74.93	66.66	33.81	45.81	45.94	45.30	55.39	4
Birbhum	57.59	62.67	53.93	54.00	59.65	46.21	48.32	62.96	59.39	56.72	3
Paschim Medinipur	-	-	-	-	-	59.64	71.04	62.86	57.11	59.00	2
Purba Medinipur	-	-	-	-	-	25.18	19.68	20.19	20.13	22.33	11
Howrah	15.95	19.50	26.78	20.29	16.56	16.19	15.24	13.38	28.62	30.16	7
Hooghly	39.73	40.87	42.86	41.30	50.24	56.08	57.86	60.75	62.56	60.03	1
North 24- Parganas	30.68	26.97	25.40	26.52	31.48	27.21	30.47	36.00	4.24 ?	31.40	6
South 24- Parganas	16.51	18.90	16.83	11.25	13.18	13.29	12.09	13.56	19.42	21.58	14
Nadia	23.57	23.77	28.54	27.06	29.33	31.32	24.42	25.46	26.62	29.16	9
Murshidabad	23.22	14.60	16.59	15.64	30.18	24.46	24.08	21.76	20.84	21.82	13

Table 4.50 (continued)

District	1995-96	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	Rank
Dakshin Dinajpur	-	-	16.95	16.75	16.13	20.78	19.06	19.12	7.91	9.42	17
Uttar Dinajpur	-	-	12.96	12.63	12.38	24.82	25.30	20.70	27.82	29.70	8
Maldah	20.44	24.85	24.57	25.32	24.57	27.93	26.94	27.62	27.19	28.51	10
Jalpaiguri	9.54	11.47	14.10	14.40	15.02	15.32	16.34	17.16	16.75	16.66	16
Darjeeling	10.94	11.50	4.76	5.07	5.10	9.36	4.24	5.25	5.82	3.73	18
Coochbehar	5.24	6.42	12.04	12.09	5.92	15.08	16.07	21.39	21.28	20.79	15
Purulia	31.66	16.40	24.24	22.71	21.59	14.41	18.21	18.45	18.54	21.88	12
West Bengal	38.66	35.99	35.97	35.94	35.84	29.37	29.83	30.33	29.25	31.78	

Source: As in Table 4.49

Table 4.51 Consumption of Fertilizers per Hectare of Gross Cropped Area. 1980-01 to 2007-08 (Kilogram)

Year	Burdwan	Birbhum	Bankura	Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1980-81	62.94	43.98	30.12	31.19	NA	NA	114.45	102.12	34.82	NA
1981-82	64.71	64.48	31.42	31.60	NA	NA	115.90	94.06	32.07	NA
1982-83	59.96	44.73	26.42	24.38	NA	NA	138.91	99.43	32.23	NA
1983-84	80.72	64.14	39.80	33.51	NA	NA	126.29	129.84	41.48	NA
1984-85	76.96	58.14	39.48	41.28	NA	NA	162.03	149.49	47.96	NA
1985-86	77.28	56.08	40.87	37.99	NA	NA	135.48	135.01	47.86	NA
1986-87	97.43	76.08	59.50	50.68	NA	NA	192.29	152.80	69.14	NA
1987-88	94.77	77.13	6395	67.94	NA	NA	216.20	164.33	73.89	NA
1988-89	104.60	101.64	68.10	68.69	NA	NA	263.27	177.94	91.24	NA
1989-90	114.11	104.84	68.21	70.87	NA	NA	281.46	141.34	181.26	NA
1990-91	115.15	110.00	63.72	NA	76.86	62.39	241.96	170.13	170.06	NA
1991-92	128.07	138.30	78.44	74.27	NA	NA	284.75	179.55	192.49	NA
1992-93	129.03	129.18	68.04	72.09	NA	NA	273.29	98.14	196.28	NA
1993-94	118.05	119.65	74.53	70.29	NA	NA	271.24	176.37	186.07	NA
1994-95	119.75	125.00	78.47	71.12	NA	NA	298.23	179.58	99.41	NA
1995-96	138.46	120.58	76.46	89.19	NA	NA	317.84	181.46	119.17	NA
1996-97	138.77	133.75	82.30	93.60	NA	NA	345.83	184.71	121.89	NA
1997-98	137.14	130.22	90.10	98.61	NA	NA	329.48	193.07	118.10	NA
1998-99	135.51	126.69	97.91	103.63	NA	NA	313.14	201.44	114.31	NA
1999-00	152.22	143.96	106.55	114.03	NA	NA	346.24	223.48	120.51	NA
2000-01	149.72	140.84	109.27	113.27	NA	NA	350.19	258.11	120.58	124.00
2001-02	142.05	128.46	106.57	110.65	131.78	110.66	394.95	206.45	126.89	128.09
2002-03	144.30	126.10	125.70	NA	172.40	90.20	374.60	205.60	NA	145.00
2003-04	138.20	125.90	117.40	NA	154.70	85.60	328.80	199.90	NA	142.30
2004-05	154.20	127.10	123.40	NA	166.30	93.60	362.90	219.20	NA	176.60
2005-06	153.50	124.30	110.90	NA	166.50	90.70	372.65	197.90	NA	164.40
2006-07	205.40	147.70	137.40	NA	169.70	123.60	123.10	271.80	NA	130.90
2007-08	219.47	159.71	142.93	NA	169.16	130.24	107.36	264.88	NA	142.69
Rank	3	6	7	-	5	10	14	1	-	8
AGR	9.21	9.75	13.87	12.13	7.06	6.40	-0.23	5.90	12.59	2.15

Table 4.51 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Darjeeling	Coochbehar	Jalpaiguri	Purulia
1980-81	NA	47.03	36.60	21.04	NA	NA	36.83	26.12	16.76	11.13	21.42
1981-82	NA	40.70	29.28	16.15	NA	NA	30.78	28.78	16.6	9.68	21.98
1982-83	NA	43.82	41.95	24.66	NA	NA	48.14	44.63	21.75	16.82	22.86
1983-84	NA	45.26	35.11	28.99	NA	NA	55.99	31.9	26.23	14.37	25.61
1984-85	NA	56.47	49.31	29.98	NA	NA	60.99	44.62	31.02	18.06	293.87
1985-86	NA	51.15	47.03	29.84	NA	NA	60.81	47.6	38.84	18.23	33.99
1986-87	NA	61.55	59.67	38.98	NA	NA	72.12	59.15	38.73	27.25	70.44
1987-88	NA	70.19	63.85	50.61	NA	NA	8399	75.7	54.57	41.18	56.26
1988-89	NA	81.15	72.87	49.74	NA	NA	88.47	99.51	58.49	54.38	64.5
1989-90	NA	80.59	74.10	57.46	NA	NA	79.9	75.91	63.86	46.17	70.8
1990-91	NA	79.58	74.36	57.68	NA	NA	90.56	51.20	88.09	72.52	77.19
1991-92	NA	86.99	81.34	59.11	NA	NA	76.82	129.75	73.95	56.14	87.33
1992-93	NA	98.48	79.87	55.81	NA	NA	96.65	133.04	74.19	55.3	81.2
1993-94	NA	86.63	79.06	56.31	NA	NA	98.52	139.78	73.51	59.96	84.65
1994-95	NA	104.43	78.39	57.65	NA	NA	104.35	148.63	82.87	65.1	90.36
1995-96	NA	95.87	82.36	61.99	NA	NA	95.01	170.32	85.79	82.66	99.43
1996-97	NA	97.45	80.25	71.82	NA	NA	108.24	193.85	99.86	87.18	106.81
1997-98	NA	96.58	80.64	114.86	NA	NA	114.21	150.47	103.64	92.51	115.49
1998-99	NA	95.71	81.03	157.9	NA	NA	120.18	107.1	107.43	97.84	124.18
1999-00	NA	102.33	84.41	175.08	NA	NA	135.04	149.74	123.27	93.5	142.11
2000-01	117.19	70.79	68.38	NA	86.75	58.18	94.19	172.92	114.14	95.88	144.26
2001-02	125.62	69.24	64.34	NA	73.04	101.57	110.63	196.31	129.96	105.45	139.19
2002-03	126.70	69.30	63.90	NA	74.70	101.60	111.50	201.00	137.30	102.50	159.50
2003-04	117.40	68.70	57.90	NA	67.40	95.70	105.70	184.60	129.80	103.20	118.60
2004-05	143.50	87.00	66.50	NA	80.90	149.10	131.70	215.60	146.90	118.00	128.80
2005-06	139.90	94.00	71.30	NA	80.70	152.00	140.20	152.30	136.10	119.30	131.10
2006-07	61.80	129.60	145.20	NA	125.60	120.20	237.30	220.50	72.30	79.70	37.90
2007-08	84.93	123.50	135.14	NA	109.46	113.66	201.53	249.49	70.20	75.89	33.51
Rank	15	11	9	-	13	12	4	2	17	16	18
AGR	-3.93	6.02	9.97	38.53	3.74	13.62	16.56	31.67	11.81	21.55	2.09

Source: As in Table 4.7

Table 4.52 Number and Capacity of Functioning Cold Storage (As On 04.12.2007) and Warehouses in Districts of West Bengal, 2007-08

District	Total number of cold storages	Potato cold storage		Multipurpose cold storage		Warehouses	
		No.	Capacity (lakh tonnes)	No.	Capacity (quintals)	No.	Capacity (In MT)
Darjeeling	1	-	-	1	5300	4	12000
Jalpaiguri	28	19	3.57	9	357062	6	15450
Coochbehar	11	11	1.55	-	-	10	23100

Table 4.52 (continued)

District	Total number of cold storages	Potato cold storage		Multipurpose cold storage		Warehouses	
		No.	Capacity (lakh tonnes)	No.	Capacity (quintals)	No.	Capacity (in MT)
Uttar Dinajpur	4	2	0.52	2	112000	20	20750
Dakshin Dinajpur.						21	28605
Maldah	6	4	0.34	2	82480	7	15700
Murshidabad	12	8	0.5	4	85000	20	55000
Nadia	3	2	0.13	1	33000	19	33000
North 24-Parganas	8	3	0.28	5	139904	30	96800
South 24-Parganas	2	-	-	2	49257	4	13500
Howrah	10	5	0.55	5	223162	13	31116
Hooghly	138	133	17.18	5	139000	33	59940
Burdwan	105	96	12.68	9	600000	88	100650
Birbhum	17	15	1.4	2	55000	28	33400
Bankura	42	41	6.11	1	50000	18	35961
Purulia	-	-	-	-	-	6	8200
Paschim Medinipur	62	60	9.55	2	150750	15	49250
Purba Medinipur	1	1	0.09	-	-	22	65050
Kolkata	9	-	-	9	70000	7	75500
West Bengal	459	400	54.45	59	2151915	371	772972

Source: Directorate of Agricultural Marketing, Govt. of West Bengal.

Table 4.53 Agricultural Credit per Thousand Hectares of Gross Cropped Area, 2006-07

Districts	Rs	Districts	Rs
Bankura	4005.84	Maldah	3134.49
Burdwan	7899.69	Murshidabad	2469.10
Birbhum	2599.71	Nadia	3606.85
Dakshin Dinajpur	716.26	North 24-Parganas	8002.40
Darjeeling	9803.78	South 24-Parganas	3574.48
Howrah	9070.00	Paschim Medinipur	10881.73
Hooghly	7119.40	Purba Medinipur	3886.79
Jalpaiguri	4132.45	Purulia	1365.27
Coochbehar	3132.89		

Source: Reserve Bank of India, *Basic Stastical Returns.*

Table 4.54 Harvest Price of Winter Rice in Districts of West Bengal 1977-78 to 2007-08 (Rs per quintal)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
1977-78	176	159	162	170		213	184	191*
1978-79	202	159	174	178		223	192	207*
1979-80	234	215	222	214		248	224	243*
1980-81	218	183	182	209		218	196	241*
1981-82	267	264	264	264	228	235	268	268
1982-83	319	332	272	327	308	375	315	321
1983-84	NA	300	NA	295	332	NA	303	356
1984-85	NA	NA	NA	NA	NA	NA	276	NA
1985-86	313	320	314	322	301	NA	331	290
1986-87	304	324	317	342	317	NA	297	343
1987-88	369	357	328	NA	327	339	363	354
1988-89	372	384	390	335	352	400	346	367
1989-90	N.T	367	408	450	373	453	444	448
1990-91	415	441	488	494	480	527	490	517
1991-92	593	546	563	537	465	510	N.A	N.A.
1992-93	522	550	534	609	480	489	572	531
1993-94	N.A.	NA	637	NA	501	NA	668	654
1994-95	590	593	648	NA	636	NA	N.A	N.A
1995-96	714	NA	650	761	711	833	N.A	866
1996-97	740	746	775	788	737	853	764	873
1997-98	787	779	814	834	782	893	824	901
1998-99	1038	994	1027	1066	998	1155	1062	1079
1999-00	909	819	838	1043	908	956	903	952
2000-01	866	793	825	851	795	905	695	906
2001-02	896	783	813	831	777	804	804	811
2002-03	740	730	710	774	778	847	791	802
2003-04	795	861	776	869	838	862	845	793
2004-05	865	917	864	987	944	915	996	869
2005-06	984	972	988	1024	991	1056	1056	1093
2006-07	1109	1081	1091	1080	1106	1168	1180	1149
2007-08	1295	1174	1308	1321	1242	1362	1783	1255

Table 4.54 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	169	180	163	-	-	171	170	180	160	131	171
1978-79	NA	186	181	175	-	-	171	213	188	194	150	189
1979-80	NA	209.82	213	192	-	-	202	248	265	195	206	221
1980-81	NA	242.85	217	194	-	-	223	237	199	214	201	210
1981-82	302	305.5	254	230	-	-	270	240	266	271	200	259

Table 4.54 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	306	367	335	298	-	-	318	322	337	282	305	314
1983-84	NA	288	287	NA	-	-	276	334	N.T	318	NA	311
1984-85	NA	NA	292	NA	-	-	NA	370	NA	330	NA	312
1985-86	NA	386	308	304	-	-	NA	NA	569	NA	325	317
1986-87	NA	383	322	299	-	-	NA	NA	521	N.T	336	303
1987-88	NA	402	375	355	-	-	398	401	N.T	353	NA	355
1988-89	393	389	390	395	-	-	388	420	500	414	N.T	378
1989-90	425	445	413	374	-	-	378	428	NA	425	387	409
1990-91	511	517	447	428	-	-	473	NA	NA	497	NA	1467
1991-92	544	584	NA	537	-	-	593	594	NA	NA	NA	547
1992-93	500	625	NA	419	-	-	561	NA	NA	638	NA	536
1993-94	550	631	NA	498	-	-	607	NA	NA	700	NA	587
1994-95	590	781	756	757	-	-	681	NA	400	803	600	648
1995-96	825	893	789	797	-	-	771	NA	425	892	NA	758
1996-97	885	901	803	N.T	-	-	782	785	790	810	NA	787
1997-98	919	895	854	785	-	-	813	825	847	828	NA	820
1998-99	1176	1122	1064	1046	-	-	1080	1144	NA	1131	1080	1057
1999-00	951	969	941	907	-	-	944	1128	650	1111	809	920
2000-01	977	1069	897	-	749	774	863	954	763	952	833	848
2001-02	863	1095	942	-	800	968	878	988	N.T	1103	743	849
2002-03	857	945	809	-	915	821	868	939	N.A	994	603	793
2003-04	911	998	896	-	900	881	868	1008	N.A	1004	N.A	864
2004-05	1023	1078	991	-	980	986	977	1046	N.A	1136	978	957
2005-06	1106	1107	1003	-	1014	1005	996	1155	1516	1147	917	1022
2006-07	1217	1177	1183	-	1387	1157	1115	1275	1516	1268	1033	1140
2007-08	1418	1255	1283		1356	1305	1318	1241	1955	1341	1101	1284

N.B.-* = Combined figure of North & South 24-Parganas, N.T.=No Transaction

Source: Government of West Bengal, Statistical Abstract, Bureau of Applied Economics and Statistics

Table 4.55 Harvest Price of Autumn Rice in Districts of West Bengal 1977-78 to 2007-08 (Rs per quintal)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
1977-78	175	169	119	170	NA	187	176	201
1978-79	178	169	145	170	NA	209	192	215
1979-80	196	206	192	204	NA	231	193	220
1980-81	212	180	182	205	NA	NT	205	238
1981-82	238	214	188	230	233	NT	242	249
1982-83	320	283	285	353	311	NT	296	335
1983-84	413	295	355	347	348	NA	356	404
1984-85	NA	NA	NA	NA	NA	NA	269	NA

Table 4.55 (continued)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
1985-86	330	300	252	286	300	NA	261	320
1986-87	318	322	261	315	307	NA	265	344
1987-88	358	362	319	NA	288	318	373	296
1988-89	363	366	314	NA	325	NT	324	343
1989-90	438	370	359	352	350	NT	409	452
1990-91	420	425	373	380	384	NT	462	477
1991-92	NA	544	482	NA	435	NT	589	NT
1992-93	510	505	502	547	426	NT	558	469
1993-94	639	615	585	NA	462	NA	623	NA
1994-95	751	620	NA	NA	623	NA	650	NA
1995-96	791	NA	675	592	662	NT	NA	700
1996-97	812	694	NT	658	687	NA	704	780
1997-98	828	726	NA	765	789	871	764	814
1998-99	994	958	950	924	899	1012	1005	1019
1999-00	959	800	828	943	909	955	900	974
2000-01	903	758	699	755	696	850	830	895
2001-02	925	841	748	828	764	865	860	902
2002-03	704	742	698	794	702	798	790	851
2003-04	785	816	700	855	751	NA	850	825
2004-05	878	850	780	914	823	NA	900	903
2005-06	933	NA	800	1006	892	NA	934	1093
2006-07	832	N.T.	914	1017	990	900	974	1071
2007-08	1268	1023	1104	1312	1182	1071	1038	1224

Table 4.55 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	191	179	168	NA	NA	154	196	205	203	166	177
1978-79	NA	194	172	168	NA	NA	154	183	193	180	NT	180
1979-80	NA	207	201	190	NA	NA	224	223	206	189	190	203
1980-81	NA	234	218	221	NA	NA	230	242	223	227	NT	220
1981-82	286	248	231	212	NA	NA	235	252	246	139	200	234
1982-83	274	336	325	257	NA	NA	302	286	344	272	300	302
1983-84	NA	356	356	343	NA	NA	323	333	379	341	NA	354
1984-85	NA	NA	326	NA	NA	NA	NA	300	NA	328	NA	313
1985-86	NA	331	317	268	NA	NA	NA	NA	NA	NA	300	298
1986-87	NA	334	322	309	NA	NA	NA	NA	NT	NA	275	316
1987-88	NA	340	371	319	NA	NA	353	331	NT	347	NA	338
1988-89	331	372	388	372	NA	NA	346	384	NT	405	NA	362
1989-90	N.T	411	428	403	NA	NA	393	437	NT	432	406	409

Table 4.55 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1990-91	N.T	437	457	389	NA	NA	416	NA	NT	451	NA	424
1991-92	N.T	533	NA	465	NA	NA	535	575	NT	562	NA	516
1992-93	N.T	564	550	484	NA	NA	583	NA	NA	597	NA	523
1993-94	N.T	597	NA	488	NA	NA	597	NA	NA	600	NA	572
1994-95	N.T	682	590	698	NA	NA	653	650	656	697	702	665
1995-96	N.T	931	827	739	NA	NA	709	NA	NT	750	NA	752
1996-97	790	860	829	N.T	NA	NA	740	N.T	NT	807	NA	771
1997-98	843	872	835	780	NA	NA	793	812	NT	805	NA	813
1998-99	1000	1050	1043	951	NA	NA	NA	1013	NT	1015	NA	994
1999-00	981	941	956	917	NA	NA	964	1051	NT	893	NT	369
2000-01	900	1008	778	NA	600	733	724	923	NT	723	867	823
2001-02	808	999	882	NA	NT	816	983	908	NT	897	642	872
2002-03	NA	828	887	NA	800	762	836	869	NT	897	642	797
2003-04	NA	903	916	NA	NA	802	875	1001	NT	919	NA	853
2004-05	NA	1017	1031	NA	929	825	950	956	NA	945	NA	921
2005-06	1000	997	1033	NA	NT	904	945	980	1162	1046	923	970
2006-07	1189	1084	1049	NA	1200	1070	1099	1121	1172	1077	N.T.	1030
2007-08	NA	1308	1203	NA	1250	1139	1100	1218	NA	1130	N.T.	1208

NT= No Transaction
Source: As in Table 4.54

Table 4.56 Harvest Price of Summer Rice in Districts of West Bengal 1977-78 to 2007-08 (Rs per quintal)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
1977-78	168	153	159	171		175	172	194*
1978-79	185	194	197	197		204	210	213*
1979-80	227	205	216	220		245	2320	229*
1980-81	222	173	212	220		245	221	249.
1981-82	268	N.T.	298	277	293	260	301	259
1982-83	357	343	N.T.	357	400	NA	352	353
1983-84	NA	NA	NA	300	NA	NA	306	310
1984-85	NA	NA	NA	NA	NA	NA	NA	NA
1985-86	331	355	310	347	365	NA	290	312
1986-87	343	344	308	334	365	NA	300	323
1987-88	367	363	342	NA	346	336	424	400
1988-89	453	392	398	345	387	433	436	401
1989-90	453	416	411	390	388	NA	448	447
1990-91	510	480	467	446	442	450	534	521
1991-92	552	563	530	519	506	478	NA	533

Table 4.56 (continued)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
1992-93	550	545	567	NA	483	NA	687	NA
1993-94	NA	NA	583	543	528	597	NA	559
1994-95	625	700	700	NA	645	676	NA	NA
1995-96	794	NA	763	766	725	NA	824	881
1996-97	807	749	770	791	740	824	830	888
1997-98	848	807	834	858	837	857	881	956
1998-99	1086	1015	1122	1009	1047	1138	1136	1173
1999-00	893	801	803	887	854	927	878	929
2000-01	925	885	952	905	861	950	1057	1032
2001-02	859	752	784	790	726	881	1003	870
2002-03	944	843	870	792	816	928	989	910
2003-04	962	987	933	927	902	1071	1105	981
2004-05	956	958	990	943	992	987	1078	1000
2005-06	909	1082	903	988	961	1134	1209	1003
2006-07	1048	1192	1012	1177	1066	1239	1357	1113
2007-08	1374	1284	1500	1441	1347	1368	1400	1438

Table 4.56 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	160	173	NA	-	-	NA	N.T	138	N.A.	N.T	171
1978-79	NA	195	200	199	-	-	184	195	190	195	N.T	197
1979-80	NA	205	228	214	-	-	193	N.T	N.T	216	N.T	220
1980-81	NA	234	218	211	-	-	215	N.T	N.T	N.T	N.T	220
1981-82	282	291	261	286	-	-	271	350	N.T	N.T	180	277
1982-83	388	372	357	293	-	-	337	N.T	N.T	352	N.T	358
1983-84	NA	NA	293	NA	-	-	NA	N.T	N.T	339	NA	304
1984-85	NA	NA	298	NA	-	-	NA	N.T	N.A.	326	NA	298
1985-86	NA	365	317	284	-	-	NA	NA	N.T	N.A.	301	333
1986-87	NA	378	336	299	-	-	NA	352	N.T	536	303	338
1987-88	376	376	372	365	-	-	348	383	N.A.	378	N.T	371
1988-89	395	434	396	396	-	-	410	N.T	N.T	422	413	409
1989-90	350	457	421	363	-	-	378	N.T	N.T	434	N.A.	418
1990-91	550	537	500	426	-	-	447	N.A.	N.A.	496	N.A.	487
1991-92	588	598	NA	509	-	-	553	551	N.A.	N.A.	N.A.	540
1992-93	500	597	NA	451	-	-	581	N.A.	N.A.	599	N.A.	553
1993-94	NA	601	660	544	-	-	586	669	N.T	606	N.A.	589
1994-95	645	726	723	726	-	-	646	N.A.	N.T	702	700	677
1995-96	806	813	767	782	-	-	666	N.A.	N.T	N.A.	N.A.	784

Table 4.56 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1996-97	837	856	788	798	-	-	722	N.A.	N.T	N.A.	775	804
1997-98	929	925	867	876	-	-	805	835	N.T	852	N.A.	869
1998-99	1064	1110	1006	1051	-	-	1022	1050	N.T	1052	1000	1073
1999-00	920	918	907	791	-	-	930	838	N.T	792	N.T	881
2000-01	999	1131	858	-	N.T	693	793	892	N.T	858	N.T	942
2001-02	889	1020	910	-	732	678	826	925	N.T	698	638	857
2002-03	883	844	937	-	746	771	879	928	N.T	750	N.A.	872
2003-04	971	943	1045	-	799	734	1012	862	N.T	751	N.A.	956
2004-05	1030	1143	1024	-	820	804	894	909	N.T	875	958	981
2005-06	921	1141	1103	-	1090	950	1068	987	N.T	937	1005	1030
2006-07	1074	1211	1127		1090	1070	1186	998	N.T	937	1008	1129
2007-08	1405	1361	1410		1400	1259	1307	1200	NA	1150	1170	1375

N.B.-* = Combined figure of North & South 24-Parganas , N.A= Not Available , -=Not Applicable
Source: As in Table 4.54

Table 4.57 Harvest Price of Potato in Districts of West Bengal 1977-78 to 2007-08 (Rs per quintal)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24 -Parganas
1977-78	98	93	92	89	NA	NA	74	95
1978-79	36	52	52	84	NA	60	0	56
1979-80	107	75	91	128	NA	100	41	55
1980-81	94	82	92	110	NA	NT	88	118
1981-82	88	72	107	113	97	NT	88	93
1982-83	81	93	89	113	90	NA	98	120
1983-84	NA	69	NA	100	NA	NA	94	NT
1984-85	NA	NA	NA	NA	NA	NA	74	NA
1985-86	131	NA	130	139	100	NA	NA	120
1986-87	159	124	122	137	100	NA	127	128
1987-88	80	101	106	NA	98	115	113	111
1988-89	158	189	138	150	143	147	84	192
1989-90	149	144	102	159	157	175	119	136
1990-91	159	185	170	196	181	NT	142	184
1991-92	183	190	NA	207	180	NT	194	220
1992-93	138	191	171	209	NT	NA	115	179
1993-94	NA	NA	195	NA	184	190	196	225
1994-95	160	201	198	NA	213	NA	NA	NA
1995-96	215	NA	242	300	280	NT	277	254
1996-97	152	186	194	186	182	185	129	237
1997-98	442	421	320	450	442	407	328	391
1998-99	266	238	289	338	300	286	226	298

Table 4.57 (continued)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24 -Parganas
1999-00	218	231	213	262	265	267	217	276
2000-01	219	238	209	254	260	273	215	262
2001-02	322	303	283	363	324	363	301	336
2002-03	296	289	274	302	292	295	282	296
2003-04	269	290	232	373	335	305	333	380
2004-05	201	275	277	326	295	314	293	310
2005-06	401	450	366	415	415	467	487	417
2006-07	434	417	424	447	462	490	437	455
2007-08	532	483	382	493	479	502	443	486

Table 4.57 (continued)

Year	South 24-Parganas	Nadia	Murshi-dabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	97	94	153	NA	NA	97	NA	98	NA	NA	90
1978-79	NA	45	94	152	NA	NA	NT	NT	80	114	74	51
1979-80	NA	85	110	100	NA	NA	124	106	103	147	97	101
1980-81	NA	NT	97	130	NA	NA	117	123	139	162	NT	96
1981-82	120	107	92	103	NA	NA	104	113	133	NA	NT	96
1982-83	NT	110	104	110	NA	NA	125	145	113	141	NA	93
1983-84	NA	NA	94	NA	NA	NA	80	124	135	142	NA	81
1984-85	NA	NA	100	NA	NA	NA	NA	102	NA	139	NA	107
1985-86	NA	134	80	159	NA	NA	NA	NA	225	NA	200	124
1986-87	NA	132	142	172	NA	NA	NA	NA	250	NA	150	129
1987-88	140	125	113	115	NA	NA	137	164	NA	138	NA	92
1988-89	184.5	190	186	189	NA	NA	191	NT	217	151	NT	159
1989-90	NA	138	120	129	NA	NA	173	NT	175	130	NT	135
1990-91	150	172	170	181	NA	NA	209	NA	NA	214	NA	166
1991-92	215	210	NA	226	NA	NA	207	NA	NA	198	NA	192
1992-93	160	208	NA	172	NA	NA	205	NA	NA	220	NA	147
1993-94	NA	219	NA	245	NA	NA	218	NA	NA	229	NT	196
1994-95	220	281	219	255	NA	NA	273	NA	200	231	220	197
1995-96	312	305	353	372	NA	NA	363	NA	313	285	NA	263
1996-97	198	239	285	NA	NA	NA	233	155	290	250	NA	165
1997-98	479	470	425	399	NA	NA	444	278	356	359	450	391
1998-99	285	291	266	306	NA	NA	331	282	425	267	300	274
1999-00	283	163	296	325	NA	NA	249	296	423	264	350	245
2000-01	253	267	238	NA	276	247	270	260	410	241	325	237
2001-02	401	333	395	NA	443	349	395	386	400	381	404	327
2002-03	300	302	302	NA	379	328	352	351	475	338	NA	304
2003-04	365	346	350	NA	405	380	326	309	540	372	NA	322
2004-05	366	320	350	NA	361	347	335	393	509	398	327	300
2005-06	466	439	506	NA	488	445	463	508	892	504	479	452
2006-07	539	476	425	NA	438	449	457	475	795	461	437	456
2007-08	529	454	396	NA	475	416	434	423	823	374	468	459

Source: As in Table 4.54

Table 4.58 Harvest Price of Mustard in Districts of West Bengal 1977-78 to 2006-07 (Rs per quintal)

Year	Burdwan	Birbhum	Bankura	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas
1977-78	261	381	400	432	NA	NT	288	353
1978-79	261	NT	400	392	NA	NT	262	371
1979-80	329	378	470	560	NA	450	262	372
1980-81	487	425	436	578	NA	NT	NT	618
1981-82	375	390	450	635	469	NT	260	575
1982-83	418	NT	400	677	437	NT	450	600
1983-84	NA	NA	NA	631	NA	NA	NT	NA
1984-85	NA	NA	NA	NA	NA	NA	NT	NA
1985-86	458	678	500	NA	522	NA	416	517
1986-87	550	760	589	750	569	NA	516	562
1987-88	721	704	804	NA	786	713	657	719
1988-89	600	613	613	800	617	NT	574	626
1989-90	NA	790	671	815	771	NT	662	643
1990-91	1001	1025	1038	1250	1163	NT	1200	872
1991-92	NA	1120	988	NA	1034	NT	1267	NA
1992-93	933	909	883	NA	850	NA	NA	900
1993-94	NA	NA	1084	NA	927	NA	1040	1000
1994-95	1000	1192	1113	NA	1137	NA	NA	NA
1995-96	1688	NA	1400	1722	1175	NT	NA	1359
1996-97	1191	1205	1427	1491	1225	1121	1097	1383
1997-98	1314	1253	NA	1597	1593	1347	1276	1435
1998-99	1623	1547	1583	1597	1777	1347	1624	1666
1999-00	NA	1409	1398	1842	1538	1526	1343	1360
2000-01	1389	1426	1198	1868	1492	1753	1238	1246
2001-02	1449	1279	1348	1643	1450	1500	1061	1070
2002-03	1584	1579	1556	NA	1461	1466	NA	1459
2003-04	NA	1867	1817	NA	1780	1813	1498	1695
2004-05	1634	1705	1412	NA	1682	1800	1683	1557
2005-06	1644	1763	1548	2188	2015	1650	1661	2005
2006-07	1585	1846	1903	2582	2247	2092	1859	1734
2007-08	2449	2416	2350	3137	3137	1820	2295	2633

Table 4.58(continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	NA	NA	NA	331	NA	NA	313	296	256	-	NT	332
1978-79	NA	NA	NA	331	NA	NA	313	NT	235	326	NT	354
1979-80	NA	431	327	380	NA	NA	344	350	280	317	350	358
1980-81	NA	449	328	465	NA	NA	429	392	295	440	NT	446
1981-82	550	340	365	418	NA	NA	405	391	374	-	NT	396

Table 4.58 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1982-83	600	402	356	402	NA	NA	419	355	385	384	NT	409
1983-84	NA	NA	482	NA	NA	NA	563	444	NT	536	-	503
1984-85	NA	NA	433	NA	NA	NA	-	400	-	406	-	425
1985-86	NA	482	416	315	NA	NA	-	-	1000	-	600	445
1986-87	NA	484	489	370	NA	NA	-	-	1000	-	550	532
1987-88	NA	659	558	690	NA	NA	774	708	NT	641	-	698
1988-89	869	567	502	440	NA	NA	627	588	1000	517	410	578
1989-90	NA	NA	533	679	NA	NA	689	638	NA	729	NA	679
1990-91	938	1024	NA	978	NA	NA	1028	NA	NA	813	NA	1010
1991-92	1088	1045	800	979	NA	NA	1052	NA	NA	860	NA	992
1992-93	1200	933	NA	946	NA	NA	875	NA	NA	859	NA	919
1993-94	NA	994	NA	977	NA	NA	974	NA	NA	860	NA	988
1994-95	1100	1085	1080	1145	NA	NA	1138	NA	NA	1067	1120	1199
1995-96	1400	1086	1208	1161	NA	NA	1417	NA	NT	1117	NA	1201
1996-97	1500	1093	1152	NA	NA	NA	1261	1232	NT	1099	NA	1144
1997-98	1600	1241	1300	1406	NA	NA	1367	1360	NT	1218	NA	1347
1998-99	1746	1671	1679	1496	NA	NA	1513	1400	NT	1434	1400	1622
1999-00	1543	1396	1189	1345	NA	NA	1367	1278	NT	1441	NA	1354
2000-01	1733	1240	1248	NA	1214	1305	1281	1232	NT	1263	1600	1303
2001-02	1400	1211	1281	NA	1406	1260	1448	1213	NT	1285	NA	1302
2002-03	NA	1584	1547	NA	1678	1614	1536	1481	NT	1552	NA	1560
2003-04	NA	1885	1919	NA	1858	1804	1877	1674	NA	1771	NA	1849
2004-05	1684	1850	1884	NA	1859	1787	1816	1636	1888	1729	1669	1752
2005-06	1713	1665	1749	NA	2044	1612	1618	1576	2806	1534	1774	1754
2006-07	1958	1906	1878	NA	2104	1794	1630	2250	3000	1458	2286	1846
2007-08	2250	2250	2144	2447	NA	2618	2456	2423	2673	NA	2144	2439

Source: As in Table 4.54

Table 4.59 Agricultural Wage Rate for Male Field Labourers by District, 1990-91 to 2007-08 (Rupees)

District	1990-91	1992-93	1994-95	1997-98	1998-99	1999-2000	2000-01	2001-02	2003-04	2004-05	2005-06	2006-07	2007-08	Rank
Burdwan	24	34	36	44	52	57	59	60	62	60	61	68	79	4
Birbhum	20	21	24	39	45	51	52	53	54	57	59	65	72	12
Bankura	24	26	28	41	49	54	55	55	57	55	54	56	68	16
Paschim Medinipur	25	27	29	42	49	56	61	56	57	60	62	67	73	10
Purba Medinipur							54	61	63	67	71	76	83	2

Table 4.59 (continued)

District	1990-91	1992-93	1994-95	1997-98	1998-99	1999-2000	2000-01	2001-02	2003-04	2004-05	2005-06	2006-07	2007-08	Rank
Howrah	23	28	33	46	55	57	61	63	65	70	75	79	83	3
Hooghly	25	32	34	43	51	59	60	62	65	65	70	74	84	1
North 24-Parganas	21	28	31	44	50	56	58	59	62	58	60	70	78	6
South 24-Parganas	27	37	41	52	60	64	65	66	68	66	67	72	79	5
Nadia	22	25	28	43	49	54	56	57	60	65	69	67	73	11
Murshidabad	20	23	27	42	48	53	55	56	58	61	63	64	69	15
Uttar Dinajpur	17	24	24	41	47	49	52	52	54	58	60	64	71	13
Dakshin Dinajpur	-	-	-	-	-	-	50	51	52	56	53	55	68	17
Maldah	20	24	26	38	46	50	52	53	56	56	59	65	75	9
Jalpaiguri	NA	NA	29	46	52	55	57	57	59	65	68	69	76	7
Darjeeling	NA	NA	38	49	63	6..17	63	64	66	70	69	79	76	8
Coochbehar	17	24	27	39	46	50	50	51	53	58	64	63	70	14
Purulia	17	-	22	33	39	46	48	49	NA	46	48	48	59	18
West Bengal	22	27	30	43	50	55	56	57	60	61	63	67	74	-

Source: Government of West Bengal, *Economic Review*, Bureau of Applied Economics and Statistics

Agri-allied Sector

This section presents database of development of agri-allied sectors, namely forestry, livestock and fishery in districts of West Bengal. Directorate of Animal Resources and Animal Health, Office of the Chief Conservator of Forests and Directorate of Fishery, Government of West Bengal provide the necessary data.

Forestry: During 1980-81 to 2004-05 Birbhum, Bankura, Maldah , Darjeeling districts recorded increase in out-turn of forest produce (timber and firewood) in West Bengal During 2004-05 out-turn of forest produce in the form of timber and fire wood was highest in undivided Midnapore district (Table 4.60).

Fishery: Effective area under fishery was highest in South 24-Parganas district followed by Murshidabad district. Number of livestock as well as poultry birds was highest in undivided Midnapore district followed by Murshidabad district, the lowest being in Coochbehar district. For more than a decade the State of West Bengal has been consistently occupying the top position in the country in the Inland Fisheries sector with remarkable achievement in Marine sector as well. In inland sector, about 30 per cent of all India fish production comes from West Bengal. Details of fisheries in districts of West Bengal are shown in Table 4.61. It has been possible to make a phenomenal progress in this sector increasing thereby the production in the State to 14.71 lakh MT at the end of 2007-08, which is more than the requirement (13.46 lakh MT).

Livestock: The livestock sector plays a vital and crucial role in the West Bengal economy. The livestock sector contributed 4.41 per cent to the total SDP and 18.6 per cent to the agricultural SDP in 2002-03.It plays an important role in employment generation and augmentation of rural income. The State held first position in meat production and fifth in egg production and 11th position in milk production during 2003-04.

During the last 30 years, this State has registered growth in number of all animals, except buffalo, and this is higher than the average growth of the country. West Bengal ranks first in cattle population in this country but stands twelfth in the production of milk. The State ranks third in the production of meat but it is far behind in mitigating the availability of meat for the people of this State as per ICMR norms. It ranks third in the poultry population but it ranks sixth in the production of eggs.

The State has made significant progress in the development of animal resources .About 70 per cent of the live stock and poultry belong to the resource poor part of the population of the State. 67 per cent of the small and marginal farmers produce 70 per cent of the animal produces. In West Bengal, 70 per cent of the rural households keep some animals or other. These households earn 40 per cent of their average income from the animal resources. Thus the rural small and marginal households in the State as well as in the country constitute the backbone in the production of animal produces.

In the era of globalization, certain developments have taken place that has placed in agriculture activities in the back burners. Production cost of agriculture has considerably shot up owing mainly to the factor, namely I) withdrawal of subsidy from the agricultural sector, II) withdrawal of subsidy from the electricity sector, III) absence of the principles of self reliance in the production of seeds and the use of fertilizers. Side by side absence of support price as well as prevalence of free import policy of the agriculture produces has put the agricultural farmers of India in extreme distress.

Against the backdrop, animal husbandry activities play a crucial and important role as providing a means for alternative livelihood. Again, these small and marginal households possess most of the animal resources. Through rearing of animals and birds, total direct employment of about 18097 lakh and 0.47 lakh additional direct employments of people has been ensured while another 52.84 lakh total indirect employment and an additional of 1.30 lakh of people are in indirect employment in the secondary and tertiary sectors. Share of animal resources and fishery in the total agricultural output stands presently at about 26 per cent. As a result, animal resources and fishery have provided a background as being an alternative livelihood to the rural agricultural community.

During 1972 to 2003 all the districts of West Bengal recorded increase in cattle population except South and North 24-Parganas, Kolkata and Uttar Dinajpur registered decline. The highest increase of cattle population was registered in Medinipur district followed by Hooghly district and the lowest increase in the districts of Purulia. Burdwan, Birbhum, Medinipur, Hooghly, Murshidabad and Dakshin Dinajpur districts of West Bengal recorded increase in buffalo population while the rest of the districts of West Bengal registered decline. The highest increase of buffalo population was registered in Murshidabad district followed by Medinipur district and the lowest increase in Burdwan district. During same time period all the districts of West Bengal recorded increase in sheep population except Uttar Dinajpur, Howrah, Nadia, North 24-Parganas and South 24-Parganas districts. The highest increase of sheep population was registered in Jalpaiguri district followed by Coochbehar district and the lowest increase in Hooghly district. All the districts of West Bengal recorded increase in goat population except North and South 24-Parganas districts. The highest increase of goat population was registered in Hooghly district followed by Murshidabad district and the lowest increase in the Howrah district. During 1972 to 2003 all the districts of West Bengal recorded increase in total livestock population except South and North 24-Parganas districts registered decline. The highest increase of total livestock population was registered in Hooghly district followed by Murshidabad district and the lowest increase in Howrah district. During this period all the districts of West Bengal recorded increase in total poultry population except South 24-Parganas districts. The highest increase of total poultry population was registered in Hooghly district followed by Murshidabad district and the lowest increase in Kolkata district.

Number of livestock as well as poultry birds was highest in undivided Midnapore district followed by Murshidabad district, the lowest being in Coochbehar district. Estimated production of milk was largest during 2006-07 in Burdwan district followed by Murshidabad and Hooghly districts, the smallest production being registered in Purulia. During 1988-89 to 2006-07 all the districts of West Bengal except Purba Medinipur, Paschim Medinipur, South 24-Parganas, Kolkata, Dakshin Dinajpur and Purulia recorded increase in estimated production of milk (cow, goat and buffalo). . The highest increase in estimated production of milk was registered in Murshidabad district followed by Hooghly district and the lowest increase in the North 24-Parganas district.

During 1990-91 to 2007-08 Burdwan, Birbhum, Bankura, Hooghly, Nadia, Murshidabad, Uttar Dinajpur, Maldah, Coochbehar and Purulia districts of West Bengal recorded increase in estimated production of egg (hen & duck). The highest increase estimated production of egg was registered in Burdwan district followed by Birbhum district and the lowest increase in Uttar Dinajpur district. Durng 2006-07 estimated production of egg was largest in Murshidabad district followed by North 24-Parganas, the smallest production being registered in Darjeeling district (Table 4.62 to Table 4.64).

Table 4.60 Out-turn of Forest Produce in West Bengal by District 1980-81 to 2004-05 (thousand cubic meters)

State/Districts	Item	1980-81	1990-91	2001-02	2002-03	2003-04	2004-05
Burdwan	Timber	4.3	4	11.3	4	2.8	1.3
	firewood	16.3	5.5	17	9.3	18.4	10.9
Birbhum	Timber	1	0.3	1.2	1.2	1.3	8.6
	firewood	2.5	-	1.9	2.8	5	3.7
Bankura	Timber	13.5	1	30.1	14.7	29.3	21.9
	firewood	40.4	3	87.2	74.8	112.9	135.5
Purba Medinipur	Timber	41.7	0.2	54.9	40.1	13.6	28.0.
Paschim Medinipur	firewood	149	2.4	92.2	93.7	116.4	165.4
Howrah	Timber	-	-	-	-	-	0.1
	firewood	(a)	-	-	-	-	-
Hooghly	Timber	(a)	(a)	(a)	0.2	0.1	-
	firewood	(a)	(a)	(a)	-	-	-
North 24-Parganas	Timber	2.2	11.5	0.3	-	-	0.1
South 24-Parganas	firewood	11.2	7.5	0.1	-	0.4	0.1
Nadia	Timber	1.6	0.5	8.6	0.3	-	0.5
	firewood	1.4	1	21.4	0.1	0.1	0.1
Murshidabad	Timber	(b)	(b)	(b)	(b)	(b)	(b)
	firewood	(b)	(b)	(b)	(b)	(b)	(b)
Uttar Dinajpur	Timber	©	©	1	1.4	0.6	0.9
Dakshin Dinajpur	firewood	©	©	0.2	0.1	0.1	-
Maldah	Timber	0.2	0.8	0.8	0.3	-	0.5
	firewood	0.2	0.1	0.2	0.1	0.1	-
Jalpaiguri	Timber	112.8	37.2	15.1	30.2	59.6	22.3
	firewood	165.8	130.7	26	15.5	14.6	20.6
Darjeeling	Timber	10.5	21.1	6.2	1.9	12.7	14.3
	firewood	14.7	33.6	3.7	1.5	22.1	17.4
Coochbehar	Timber	-	11.7	6.4	6.1	5.8	0.2
	firewood	-	15.1	4.7	2.2	1.2	-
Purulia	Timber	1.2	-	11.1	2	4.8	15.2
	firewood	3.8	11.7	20.9	18.4	15.4	12.9
West Bengal	Timber	189	88.3	147	102.4	130.6	113.9
	firewood	405.3	210.7	275.5	218.5	306.7	366.6

Notes: (a) = The forest area of Hooghly district is included in Burdwan district (b) = The forest area of Murshidabad district is included in Nadia district (c) = The forest area of Uttar & Dakshin Dinajpur district is included in Maldah district
i) " Timber" includes plywood, match wood, other timber and poles ii) " Firewood" includes quantity of firewood required for production of charcoals, other firewood and pulp wood
Source: Principal Chief Conservator of Forests, Govt. of West Bengal

Table 4.61 Fisheries in Districts of West Bengal, 2005-06

District	Area under fishery (hectare)	Effective area under fishery (hectare)	Number of persons engaged in fishery	Annual production (quintal)
Birbhum	33935	10204	9967	1991
Bankura	25813	22655	114302	291950
Hooghly	23561	16307	119223	649889
Burdwan	21815	16478	13789	510810
Howrah	8403	7431	84820	188141
South 24-Parganas	116554	48836	1639422	1735234
North 24-Parganas	59062	53162	248799	155362
Nadia	18715	11977	267928	58000
Paschim Medinipur	23173	15396	61669	236438
Purba Medinipur	26950	21056	17724	396912
Murshidabad	46532	33160	21423	1559
Dakshin Dinajpur	8260	6050	33793	1519
Uttar Dinajpur	6170	1729	1208	14890
Coochbehar	5724	3055	169980	191200
Darjeeling	1807	1794	3077	3762
Jalpaiguri	6000	4500	18745	98230
Purulia	18588	16214	124191	250630
Maldah	16194	4985	67735	111032
West Bengal	467256	294989	3017795	48975450

Source: Government of West Bengal, *District Statistical Handbook*, Bureau of Applied Economics and Statistics *(*BAES).

Table 4.62 Livestock in Districts of West Bengal, 1972 to 2003

District	Year	Cattle	Goats	Livestock total	Total poultry
	1972	1092152	402920	1705819	1481503
	1977	2123407	569076	3204391	1712479
	1982	1445468	811134	2673286	2073583
Burdwan	1989	1662274	876496	2951241	2676146
	1994	1605075	998734	2989675	3543819
	1997	1652247	1107080	3156891	3131154
	2003	1655904	1127184	3329912	5004744
	1972	761691	310874	1285956	1005849
	1977	776340	441682	1483688	1049609
	1982	767733	587573	1641428	1844844
Birbhum	1989	892123	598010	1783360	2328693
	1994	994876	736251	2058218	2603731
	1997	1024334	816123	2174483	2888407
	2003	998326	728113	2125056	3580657
	1972	962444	382728	1623240	915888
	1977	1448104	483132	2328513	1106219
	1982	1141937	744506	2237600	1429777
Bankura	1989	1256528	709905	2341542	1797092
	1994	1302745	709198	2384345	1978961
	1997	1341268	786134	2525923	2200968
	2003	1435941	740830	2548281	2964836

Table 4.62 (continued)

District	Year	Cattle	Goats	Livestock total	Total poultry
Undivided Medinipur	1972	1891514	680866	2717180	1651222
	1977	2159008	958020	3326158	1934505
	1982	2782554	1365700	4410886	3433780
	1989	3057199	1350459	4662152	5006858
	1994	3084869	1288649	4636903	4530576
	1997	3176184	1428446	4876124	4933081
	2003	3546807	1458333	5491896	6064881
Howrah	1972	290381	160037	463730	720409
	1977	331447	225182	574935	844002
	1982	405839	300612	718565	1245768
	1989	430007	303602	750464	1702538
	1994	448724	261473	729708	1259964
	1997	461898	289839	771718	1367351
	2003	340772	189344	581734	1063795
Hooghly	1972	488101	158752	675709	376790
	1977	644249	436121	1132304	1144069
	1982	809505	571133	1438240	1663017
	1989	950716	730892	1746138	2314001
	1994	1018647	773019	1874585	2489393
	1997	1047877	856876	1991720	2737515
	2003	1016961	687912	1842076	2516338
North 24-Parganas	1972	1606119	800141	2599209	3083379
	1977	1833256	1125847	3224173	3612362
	1982	2633106	1687957	4706037	5755087
	1989	999584	907525	2109226	1973562
	1994	1203323	899562	2266843	3599414
	1997	1237861	997150	2404623	3960946
	2003	905485	639536	1824205	5143111
South 24-parganas	1989	1129488	1131632	2539883	4239176
	1994	1148725	1017784	2447494	4204697
	1997	1182711	1128197	2596035	4620891
	2003	1001536	696935	2073631	4003846
Kolkata	1972	12469	6960	36492	56639
	1977	14233	6793	46947	66356
	1982	9096	2941	20894	32372
	1989	18224	11198	50074	149390
	1994	16020	37878	66380	108194
	1997	16452	41987	71430	115270
	2003	3896	10697	72840	65827

Table 4.62 (continued)

District	Year	Cattle	Goats	Livestock total	Total poultry
Nadia	1972	565051	249356	893380	743097
	1977	644960	350859	1103758	870582
	1982	767024	803349	1713203	1882813
	1989	805322	804360	1764436	2262733
	1994	975731	1136016	2324632	3463496
	1997	1003097	1259255	2481841	3824395
	2003	811279	652412	1612653	2807473
Murshidabad	1972	674364	433133	1253943	1411196
	1977	769733	609445	1577374	1934505
	1982	844188	940889	2019267	2222829
	1989	905461	1164051	2307102	2870544
	1994	988372	1265631	2507003	4235792
	1997	1017182	1402929	2676392	4708939
	2003	1250353	1414791	3024300	5471013
Uttar Dinajpur	1972	803128	382104	1287641	997000
	1977	7964446	498380	1387378	954990
	1982	967343	782086	1868491	2035746
	1989	523387	458358	1030696	1220923
	1994	638226	525722	1216092	1181013
	1997	657155	582755	1294097	1312349
	2003	783206	594239	1497182	1881085
Dakshin Dinajpur	1989	387168	284580	749057	930159
	1994	453808	310822	864555	1076346
	1997	467256	344541	916849	1201813
	2003	563485	373403	1082239	1723243
Maldah	1972	467984	370823	936300	701594
	1977	627299	593173	1403062	921845
	1982	630675	743671	1583622	1303043
	1989	603989	742220	1516216	1432602
	1994	621399	1989200	2769618	1906163
	1997	639744	2204996	3008761	2102351
	2003	659874	663440	1547269	2412470
Jalpaiguri	1972	694640	275000	1037154	704639
	1977	646384	300999	1024484	1653300
	1982	700746	448017	1230318	1136091
	1989	885688	544270	1516606	1408979
	1994	781909	506737	1378176	1519638
	1997	804923	561710	1461479	1663182
	2003	946760	514330	1726436	1996697

Table 4.62 (continued)

District	Year	Cattle	Goats	Livestock total	Total poultry
Darjeeling	1972	179311	96930	306404	303883
	1977	166198	82375	276691	209162
	1982	202821	167678	433179	559270
	1989	251182	208036	527290	737954
	1994	233301	265350	580277	642298
	1997	239406	294137	619813	697149
	2003	277057	187975	599168	673026
Coochbehar	1972	693363	226757	946797	438370
	1977	680123	295601	1008730	488132
	1982	812306	449201	1285346	783720
	1989	899339	520804	1447423	1047702
	1994	975790	747117	1761356	1675771
	1997	1004630	828167	1872132	1850061
	2003	935899	497229	1614689	1667453
Purulia	1972	695371	274064	1316184	900447
	1977	773489	355080	1588931	845764
	1982	737589	509324	1736790	1268566
	1989	853018	543880	1948436	1683334
	1994	832725	647800	20219553	1896126
	1997	857442	718075	2155441	2103032
	2003	850539	579990	1949082	2074056
West Bengal	1972	11878083	5211445	19085138	15491905
	1977	14434676	7334965	24691415	18126499
	1982	15657930	10915751	29717089	28670306
	1989	16510597	11890278	31741342	35823198
	1994	17324259	14116943	3487778	41915387
	1997	17831665	15648397	37055753	46218854
	2003	17984080	11756690	34542649	51114551

Source: Government of West Bengal, Directorate of Animal Resources and Animal Health

Table 4.63 Estimated Production of Milk (Cow, Goat and Buffalo) in Districts of West Bengal, 1988-89 to 2007-08 ( )

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24 -Parganas
1988-89	209	75	146	402	NA	NA	82	173	400
1989-90	298	82	135	445	NA	NA	100	200	429
1990-91*	268	77	151	503	NA	NA	83	179	472
1991-92	302	90	159	431	NA	NA	85	212	496
1992-93	361	85	165	363	NA	NA	133	266	403
1993-94	398	78	135	369	NA	NA	119	227	395
1994-95	414	81	140	381	NA	NA	129	301	436
1995-96	381	104	155	397	NA	NA	113	365	428
1996-97	454	100	176	386	NA	NA	132	325	404
2000-01	475	85	169	NA	230	160	130	358	393
2003-04	464	97	165	NA	190	197	131	376	449
2004-05	475	99	169	NA	192	201	133	393	470
2005-06	480	100	173	NA	196	205	135	410	486
2006-07	480	119	191	NA	225	310	114	410	404
2007-08	501	119	195	NA	228	312	114	423	414
Rank	1	14	8	-	7	5	15	3	4

Table 4.63 (continued)

Year	South 24 -Parganas	Kolkata	Nadia	Murshi-dabad	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1988-89	203	26	190	190	92		104	115	103	109	84	2703
1989-90	144	29	184	185	107		144	112	78	83	50	2805
1990-91*	209	19	183	161	113		116	146	74	96	62	2912
1991-92	189	28	235	206	95		94	96	113	118	62	3011
1992-93	151	59	271	177	63	42	101	119	98	98	59	3014
1993-94	153	62	319	184	57	44	112	113	118	105	48	3086
1994-95	173	32	32	193	59	45	117	118	130	108	51	3240
1995-96	162	20	392	224	63	49	103	105	114	106	50	3331
1996-97	141	24	413	224	61	45	105	93	124	124	46	3377
2000-01	182	26	403	226	61	51	116	111	146	107	41	3470
2003-04	165	23	465	271	66	55	146	106	144	127	49	3686
2004-05	168	22	473	286	66	57	149	109	150	128	50	3790
2005-06	171	22®	488	301	67	59	152	111	155	131	50	3892 ®
2006-07	172	4	297	469	95	72	191	123	130	124	54	3984
2007-08	174	4	307	486	94	73	193	127	133	126	54	4077
Rank	10	19	6	2	16	17	9	12	11	13	18	-

N.B. * = Figures Exclude Production of Goat Milk

Source: Directorate of Animal Resources & Animal Health, Govt. of West Bengal

Table 4.64 Estimated Production of Eggs (Hen & Duck) in West Bengal by District, 1990-91 to 2007-08 (Number)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Purba Medinipur	Paschim Medinipur	Howrah	Hooghly	North 24-Parganas	South 24 -Parganas
1990-91	118895	103094	94527	297044	NA	NA	111871	165246	249017	338774
1991-92	123799	89590	109922	279783	NA	NA	161002	122741	278163	327025
1992-93	176609	139113	99737	327993	NA	NA	126175	181433	144599	366402
1993-94	179355	141664	101386	332078	NA	NA	127735	184365	146785	371979
1994-95	190348	159469	106945	340801	NA	NA	134357	197721	154249	390222
1995-96	233508	173803	94324	278639	NA	NA	98420	183116	245087	351556
1996-97	243272	165259	101531	263169	NA	NA	100345	178710	239661	337107
1997-98	245810	166713	99909	270500	NA	NA	95098	185370	243600	345411
1998-99	247226	154196	100382	274763	NA	NA	97227	189177	253690	346006
1999-00	255034	157503	101842	273295	NA	NA	98615	191828	249411	349271
2000-01	256854	149785	105484	280285	133808	146477	100718	191836	240280	363055
2001-02	259721	164228	99604	274975	111011	163964	99457	192855	255710	353251
2003-04	267240	169883	102448	293264	120134	173130	106542	197957	262934	370669
2004-05	273066	175916	104288	297729	122133	175596	109411	201706	265665	385513
2005-06	279391	182064	106716	302953	124506	178447	11861	205753	269225	401258
2006-07	329140	233971	137518	307108	112101	195007	68184	174662	247568	325653
2007-08	329374	238117	138077	306158	111851	194307	68542	174666	245389	332005
Rank	3	5	10	-	11	7	16	8	4	2

Table 4.64 (continued)

Year	Kolkata	Nadia	Murshidabad	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1990-91	3353	139007	251691	99461		71028	98027	38664	49730	49594	2279023
1991-92	3559	207343	209499	90690		107442	71030	36613	69500	39173	2326874
1992-93	7520	163183	184359	49560	44183	87569	69087	55464	49785	57392	2330163
1993-94	7545	165876	186840	50321	44984	88743	69996	55937	50612	582 77	2364478
1994-95	7921	173740	196808	57123	51392	96032	69095	58729	53692	61539	2500183
1995-96	8194	185919	257780	54170	50573	94018	70520	23328	94503	70754	2568212
1996-97	8035	189835	250894	55382	53069	109716	79827	55615	98852	72850	2603129
1997-98	8083	192043	255121	56231	51270	106313	80260	55677	101965	74734	2634108
1998-99	8161	202063	258695	57281	51819	107923	79471	55906	96033	73217	2653236
1999-00	8235	205681	260678	57056	55145	110462	80970	54755	95568	72699	2678048
2000-01	8459	196484	247088	59023	57276	113348	83132	56112	98095	74768	2682709
2001-02	8052	204625	266385	57859	58975	110583	79020	55221	96874	72621	2710016
2003-04	7990	213907	283691	59943	59083	111791	80698	57323	98021	76933	2820317
2004-05	7947	219625	295058	60787	60172	112994	82500	58283	100539	76450	2887649
2005-06	7891	226729	308064	62010	61205	114065	85313	59422	103003	76797	2963720
2006-07	1121	195745	421028	99916	85883	139720	91905	38164	72593	68766	3038645
2007-08	1088	199043	430762	99646	85209	139117	92605	38201	72203	67140	3057342
Rank	19	6	1	12	14	9	13	18	15	17	-

Source: Directorate of Animal Resources & Animal Health, Govt. of West Bengal

Chapter 5

INDUSTRY IN DISTRICTS OF WEST BENGAL

Industry constitutes the secondary activities of people, which contribute to domestic product and trade, and provide livelihoods, and its development is an important indicator of overall economic development of a country or region. The present chapter presents the database of industry in districts of West Bengal.

The chapter is organized as follows. Section 5.1 presents the database on contribution of the manufacturing sector to district domestic product (DDP) in districts of West Bengal in recent years. Section 5.2 does so on registered factories while section 5.3 on registered small scale industrial units. Section 5.4 shows data relating to the status of handicrafts in districts. Table 5.5 presents database on handloom sector development.

5.1 Contribution of Manufacturing to District Domestic Product and Investment Projects

Bureau of Applied Economics and Statistics, Government of West Bengal estimates district domestic product including manufacturing under the guidance of the Central Statistical Organisation, Government of India. The share of manufacturing sector (registered and unregistered taken together) in DDP for the period from 1999-2000 to 2004-2005 in respect of each district as well as its rank is presented in Table 5.1. All North Bengal districts are industrially backward – of 19 districts, the share of the manufacturing sector is found to be among the lowest in Darjeeling and Coochbehar. During the period mentioned above Burdwan, Birbhum, Bankura, Paschim Medinipur, Purba Medinipur, South 24-Parganas, Kolkata, Murshidabad, Uttar Dinajpur, Dakshin Dinajpur, Maldah, Coochbehar and Purulia districts like the whole of West Bengal recorded increase in percentage share of manufacturing in their respective net DDP while the rest of the districts registered decline during this period. During 2004-05 Purba Medinipur district witnessed the highest percentage share of manufacturing (17.33 per cent) followed by Howrah (15.80 per cent), the lowest percentage share being registered in Darjeeling district (2.58 per cent). During the period from 2003 to 2006, 781 industrial projects with a total investment of Rs. 10430.56 crore were implemented in West Bengal. The industrial projects implemented in different districts between 2003 and 2007 reveals that undivided Medinipur district obtained and implemented the highest value of industrial projects (worth Rs 2817 crores) accounting for 27.07 per cent of total industrial investment, which was followed by Burdwan district (Rs 2485.26 crores accounting for 24.69 per cent of total investment) and Hooghly (8.99 per cent of total investment). During 2007 also undivided Medinipur district led in industrial investment followed by Burdwan and Kolkata (Table 5.2).

Table 5.1 Percentage Share of Manufacturing to Net Domestic Product in Districts of West Bengal, 1999-00 to 2004-05

District	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	Rank
Burdwan	10.33	8.44	8.20	8.81	10.22	12.11	4
Birbhum	4.08	4.79	4.39	4.76	5.02	4.86	14
Bankura	4.27	4.76	4.57	5.24	5.26	5.24	13
Purba Medinipur	6.55	6.48	6.39	7.60	13.59	17.33	1
Paschim Medinipur				6.15	7.41	7.92	9
Howrah	15.94	18.29	17.92	18.42	15.66	15.80	2
Hooghly	12.21	12.14	11.55	12.94	11.17	10.86	5
North 24-Parganas	13.63	11.80	11.33	11.74	9.96	8.76	8
South 24-Parganas	11.07	13.98	13.92	14.72	12.49	13.12	3
Kolkata	3.29	4.34	4.21	4.32	4.03	3.49	17
Nadia	9.38	7.83	7.28	7.70	7.40	7.60	10
Murshidabad	8.86	10.10	9.25	10.20	9.75	9.90	6
Uttar Dinajpur	3.78	3.89	3.96	4.11	4.23	4.34	15
Dakshin Dinajpur	3.59	3.81	3.74	3.96	4.08	4.34	16
Maldah	7.73	9.10	8.39	9.91	9.92	9.49	7
Jalpaiguri	6.66	5.69	5.57	5.87	5.53	5.87	12

Table 5.1 (continued)

District	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	Rank
Darjeeling	3.01	3.14	3.02	3.21	2.78	2.58	19
Coochbehar	3.07	3.36	3.30	3.60	3.48	3.45	18
Purulia	6.23	5.76	5.33	6.26	5.76	6.55	11
West Bengal	8.56	8.64	8.35	8.98	8.81	9.20	-

Source: Government of West Bengal (2009).

Table 5.2 Percentaage of Industrial Projects Implemented in Districts of West Bengal , 2003 to 2006 and 2007

District	No. of units	Per cent	Investment (Rs. crore) 2003-06	Per cent	No. of units 2007	Per cent	Investment (Rs. crore)	Per cent
Darjeeling	23	2.94	103.78	0.99	5	1.72	62.77	1.24
Jalpaiguri	44	5.63	155.81	1.49	5	1.72	24.79	0.49
Coochbehar	5	0.64	48.24	0.46	3	1.03	15.65	0.31
Uttar Dinajpur	9	1.15	33.24	0.32	2	0.69	11.78	0.23
Dakshin Dinajpur.	3	0.38	7.99	0.08	2	0.69	6.84	0.13
Maldah	3	0.38	31.00	0.30	2	0.69	8.45	0.17
Murshidabad	9	1.15	19.33	0.19	6	2.06	182.88	3.61
Birbhum	12	1.54	51.69	0.50	1	0.34	2.00	0.04
Nadia	10	1.28	117.95	1.13	5	1.72	51.01	1.01
Burdwan	157	20.10	2485.26	23.83	36	12.37	1113.57	21.95
Purulia	27	3.46	316.21	3.03	8	2.75	150.07	2.96
Bankura	59	7.55	854.11	8.19	16	5.50	321.19	6.33
Hooghly	88	11.27	937.62	8.99	21	7.22	385.76	7.60
North 24-Parganas	53	6.79	802.19	7.69	17	5.84	280.17	5.52
Undevided Medinipur	57	7.30	2817.47	27.01	17	5.84	1378.84	27.18
Howrah	91	11.65	770.77	7.39	30	10.31	354.72	6.99
Kolkata	31	3.97	167.52	1.61	32	11.00	437.45	8.62
South 24-Parganas	100	12.80	709.78	6.80	83	28.52	284.88	5.62
West Bengal	781	100.00	10430.56	100.00	291	100.00	5072.82	100.00

Source: Annual Report, 2007-08, Commerce and Industries Department, Government of West Bengal

5.2 Registered Factories

Annual Survey of Industry, Government of India provides data on registered factories at the State level. These data are available for undivided Medinipur district, not separately for Paschim Medinipur district and Purba Medinipur district into which Medinipur district was bi-furcated in 2002.During 1977 to 2008 all the districts of West Bengal recorded increase in registered factories. Analysis of growth of registered factories shows that their growth is significant in the districts of the State during both the pre-reforms and the reforms era. But this growth registered deceleration during the reforms era, i.e., during 1991 to 2008. During 200-05 North 24-Parganas district recorded the largest number of registered factories (3418) followed by South 24-Parganas (2772) and Howrah (2712), the lowest number being registered in Dakshin Dinajpur (28) led by Coochbehar (38). During 1985 to 2004 West Bengal as a whole registered declining trend in number of average daily workers employed in registered factories. While Burdwan, Hooghly and 24-Parganas witnessed declining trend

in number of workers all other districts of the State, however, recorded increase in number (average daily) of workers employed (Table 5.3 and Table 5.4).

Number of factories reported under Annual Survey of Industries (Census and Non-Census Sectors), their invested capital, number of workers, employees, wages to workers, materials consumed, value of products, gross output, and net value added in districts are shown in Table 5.5 to Table 5.13. Bureau of Applied Economics & Statistics, Govt. of West Bengal, estimates index of industrial production which reveals that growth of manufacturing was higher than that of mining and quarrying but lower than that of electricity. The growth rate of industrial index of the State has accelerated during the economic reforms era of India (Table 5.14).

Table 5.3 Number of Registered Factories in Districts of West Bengal, 1977 to 2008

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	Calcutta
1977	282	74	73	88	1257	156	2765	549
1978	325	78	73	68	1264	169	2811	544
1979	347	80	69	83	1326	205	2861	559
1980	367	82	66	92	1394	221	2979	594
1981	381	83	69	101	1421	231	3032	596
1982	397	86	66	101	1541	238	3209	671
1983	421	86	65	91	1643	248	3381	715
1984	434	88	67	119	1687	251	3504	757
1985	464	89	68	124	1724	282	3609	772
1986	477	91	76	126	1774	290	3684	782
1987	491	94	80	134	1816	310	3828	801
1988	499	95	79	134	1841	313	3988	813
1989	508	95	79	146	1869	324	4087	819
1990	517	97	80	150	1903	369	4195	828
1991	532	105	86	158	1944	373	4349	847
1992	547	108	90	158	1989	400	4539	836
1993	566	112	94	159	2024	403	4631	881
1994	613	124	114	191	2194	467	4919	920
1995	633	129	122	195	2223	472	5011	923
1996	663	134	128	198	2281	490	5151	947
1997	679	134	129	203	2332	499	5256	949
1998	711	138	133	208	2386	512	5332	951
1999	736	140	133	212	2451	522	5486	955
2000	752	143	136	217	2512	536	5596	955
2001	785	146	148	246	2581	549	5769	953
2002	814	147	153	275	2640	568	5939	955
2003	828	149	157	286	2676	579	6047	957
2004	863	155	169	298	2721	592	6190	959
2005	896	157	184	313	2774	606	6277	962
2006	911	158	190	321	2807	626	6337	962
2007	941	160	199	351	2880	653	6476	964
2008	993	166	207	361	2951	675	6672	974
Rank	3	11	9	7	2	5	1	4
AGR	8.40	4.14	6.12	10.34	4.49	11.09	4.71	2.58

Table 5.3 (continued)

Year	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977	68	18	27	8	247	106	14	51	5837
1978	73	18	31	7	249	161	13	55	5967
1979	84	17	29	6	253	161	13	51	6144
1980	91	14	30	8	254	166	13	50	6421
1981	96	13	29	8	254	172	13	49	6541
1982	101	13	30	9	260	176	13	43	6954
1983	114	15	29	10	271	180	13	42	7324
1984	124	15	34	12	289	187	17	43	7628
1985	143	15	34	12	294	190	17	47	7864
1986	128	15	34	12	312	196	18	49	8064
1987	133	17	36	14	325	200	18	51	8348
1988	138	18	37	15	330	201	18	54	8573
1989	138	18	37	17	336	201	18	54	8764
1990	140	20	39	21	340	211	19	54	8960
1991	149	21	39	20	354	214	20	55	9262
1992	156	22	41	29	362	216	20	57	9579
1993	159	22	42	29	366	221	20	58	9787
1994	166	22	42	32	392	234	22	74	10531
1995	166	22	50	33	403	238	24	61	10705
1996	166	22	60	33	414	244	27	64	11022
1997	166	22	61	33	414	244	27	65	11213
1998	166	22	61	33	423	247	28	65	11416
1999	166	24	63	33	427	252	28	67	11695
2000	166	25	67	34	434	255	28	68	11924
2001	175	30	73	37	456	263	28	69	12308
2002	177	30	84	38	471	277	34	69	12671
2003	179	36	64	43	484	281	37	72	12898
2004	180	50	59	50	493	286	38	79	13210
2005	183	53	92	53	503	290	38	84	13465
2006	187	54	97	54	518	294	40	84	13640
2007	193	69	103	60	526	301	42	91	13999
2008	201	63	104	61	526	301	42	92	14389
Rank	10	14	12	15	6	8	16	13	-
AGR	6.52	8.33	9.51	22.08	3.77	6.13	6.67	2.68	4.88

Source: Chief Inspector of Factories, Government of West Bengal
Note: AGR = Average annual growth rate.

Table 5.4 Number (Average Daily) of Workers Employed in Working Factories in Districts of West Bengal, 1970 to 2008

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	Calcutta
1970	87616	4634	3277	16881	149720	83984	397510	21208
1975	91119	4249	2276	16831	151969	95889	416453	17221
1976	96207	4238	2224	17533	153507	96790	405404	17112
1977	91441	3838	2174	17893	150508	95203	403541	16584
1978	96103	4218	2249	17930	144417	97371	415885	15652
1979	97920	4060	1904	17838	147038	102786	423669	15738
1980	97655	4085	1640	18768	154342	103717	431071	16729
1981	111060	4062	1660	18928	155760	107343	431306	16639
1982	112194	3992	1556	18690	157187	100425	425662	16656
1983	118081	3649	1528	19773	155144	103247	426152	16877
1984	121831	3706	1573	20868	152761	103035	420946	17473
1985	116534	3928	1621	22444	153661	104165	419414	18079
1986	114083	3381	1663	22549	156852	105621	425306	18151
1987	108475	3782	1699	25357	154848	103089	408901	18234
1988	119268	4073	1804	25237	153462	100674	410774	18165
1989	124181	4139	1807	25938	154388	97695	404914	18996
1990	125532	4106	1775	23422	151627	100264	401068	18683
1991	12442	4289	2176	24025	152204	100271	409257	18698
1992	125230	4459	2586	24025	153504	102525	412157	18946
1993	125968	4638	2711	24085	153929	102637	413696	19224
1994	126480	4698	3178	24295	155835	103625	416411	19320
1995	127733	4507	3657	24465	156433	108088	417329	19548
1996	108424	4818	3384	26739	152222	110513	408241	19484
1997	93253	4819	3368	25978	148212	104284	401020	19371
1998	87717	4844	3294	25935	149173	101698	404988	19783
1999	83169	4786	3060	28083	152281	99475	405878	19590
2000	83338	4815	3519	29788	168477	100315	395168	19260
2001	83078	5347	6532	32099	159511	100934	396742	18283
2002	89855	6044	5390	31843	152545	95138	394353	18923
2003	90398	6104	5449	32371	153913	95780	398015	18988
2004	92594	6218	6339	33753	154584	96866	400736	19116
2005	94488	6251	7003	34731	156121	97283	402267	19195
2006	95068	6309	7758	34992	156081	97755	403580	18906
2007	97527	6344	8210	38091	158372	98730	406337	18610
2008	99061	6461	8910	39657	161562	99491	412496	18861
Rank	4	11	10	5	2	3	1	7
AGR	0.35	1.07	4.65	3.65	0.21	0.50	0.10	-0.30

Table 5.4 (continued)

Year	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1970	6306	1727	2051	543	20357	9246	669	2844	808573
1975	7006	2139	1983	273	19869	8438	818	2743	839276
1976	6392	1679	1676	291	18665	8847	807	3754	835326
1977	6637	1792	1766	314	19823	8558	782	4795	825649
1978	7701	1711	1859	275	19966	8778	748	4453	839316
1979	8174	1724	1724	255	20315	8908	709	4412	857174
1980	8639	1601	1838	294	20099	9106	725	4844	875153
1981	9293	1463	1613	305	20493	9604	720	4919	895168
1982	9748	1666	1662	320	18831	10032	704	4812	884137
1983	10569	1709	1634	323	18902	9976	705	4853	893059
1984	11421	1647	1834	358	20155	9874	753	4801	893036
1985	11548	1619	1778	344	21388	10040	760	5052	892375
1986	12948	1603	1853	341	20594	10280	772	4793	900790
1987	12069	3264	2733	495	20536	10190	773	4936	879381
1988	12957	3176	2717	541	20998	10193	767	5005	889810
1989	12444	3078	2655	559	20664	10239	825	4421	886943
1990	12391	3470	2672	759	19992	10355	933	4399	881448
1991	12841	3575	2423	623	20374	10428	880	4288	889794
1992	13098	3707	2513	948	20633	10493	880	4824	900528
1993	13219	3707	2532	948	20796	10616	880	4839	904425
1994	13245	3707	2577	1011	21408	10906	880	4993	912569
1995	13245	3707	2680	1029	21637	10998	907	4839	920802
1996	12673	4196	2880	1041	26725	11533	848	5207	898928
1997	13614	4222	2975	1091	23532	11418	874	5251	863282
1998	13560	4408	2933	1108	27554	11594	905	5110	864604
1999	13226	4133	3156	1123	24016	11406	913	4918	859213
2000	13327	4157	3995	1222	26571	12602	1015	4927	872496
2001	14239	4115	4227	1525	26407	12617	1036	4891	871583
2002	14206	3826	4632	1533	26672	13158	1330	4922	864370
2003	14253	4082	4697	2036	27308	13282	1733	5088	873497
2004	14279	4330	5569	2253	27678	13499	1933	5494	885205
2005	14349	4406	5757	2286	28114	13634	1933	5682	893500
2006	14495	4416	5882	2299	28972	14272	2138	5682	898605
2007	14589	4475	6100	2387	29299	14565	2600	6346	912582
2008	14711	4619	6120	2407	29354	14565	2600	6407	927282
Rank	8	14	13	16	6	9	15	12	-
AGR	3.60	4.53	5.36	9.28	1.19	1.55	7.80	3.39	0.40

Source and Note: As in Table 5.3

Table 5.5 Number of Factories Reported under Annual Survey of Industries (Census and Non-Census Sectors) in Districts of West Bengal, 1980-81 to 2003-04 (Number)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas	South 24-Parganas
1980-81	350	86	68	88	1217	206	2557	NA	NA
1981-82	324	87	70	108	1154	211	2479	NA	NA
1982-83	361	95	75	98	1217	220	2649	NA	NA
1984-85	363	92	74	115	1163	218	2443	NA	NA
1985-86	374	90	73	120	1099	249	1970	NA	NA
1989-90	390	73	52	105	959	260	625	NA	NA
1990-91	388	48	61	120	1068	289	772	NA	NA
1993-94	402	36	72	107	1034	303	700	NA	NA
1995-96	447	97	95	151	1010	355	2962	NA	NA
1996-97	461	100	99	144	1083	310	3023	NA	NA
1997-98	530	94	99	161	1180	345	3361	2124	1237
1999-00	495	97	99	145	1129	331	2513	1289	1224
2000-01	491	98	92	176	1140	289	2340	1168	1172
2003-04	537	89	103	228	1014	325	2398	1222	1176
Rank	4	12	10	8	3	6	-	1	2

Table 5.5 (continued)

Year	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	Kolkata	West Bengal
1980-81	79	11	31	8	228	155	8	40	456	5604
1981-82	91	11	31	7	238	157	13	47	495	5537
1982-83	111	15	35	5	219	149	5	43	339	5648
1984-85	102	12	39	4	225	126	4	37	294	5337
1985-86	95	11	28	4	249	107	16	36	693	5225
1989-90	75	10	29	4	205	73	7	15	1685	4585
1990-91	22	3	28	7	73	44	6	15	1828	4787
1993-94	22	5	21	14	73	58	4	29	1709	4601
1995-96	84	82	30	33	223	142	12	30	471	6224
1996-97	78	59	35	35	285	166	15	31	557	6481
1997-98	94	73	42	35	293	153	18	38	471	6987
1999-00	99	92	46	31	265	181	20	35	433	6011
2000-01	76	72	52	38	249	157	18	28	489	5805
2003-04	90	67	72	49	295	159	27	37	427	5917
Rank	11	14	13	15	7	9	17	16	5	-

Source: As in Table 5.3

Table 5.6 Invested Capital of Factories Reported under Annual Survey of Industries (Census and Non-Census Sectors) in Districts of West Bengal, 1980-81 to 2003-04 (Rs lakh)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas	South 24-Parganas
1980-81	93296	901	197	52422	30002	39588	111993	NA	NA
1981-82	116092	1043	225	62989	31851	36805	107761	NA	NA
1982-83	132227	886	234	45104	-	46579	123539	NA	NA
1984-85	118351	858	342	70861	38183	51291	125479	NA	NA
1985-86	169887	1145	272	58125	31338	57107	141150	NA	NA
1989-90	205251	1782	576	65843	59056	103101	97185	NA	NA
1990-91	317012	745	670	92315	65955	133349	128237	NA	NA
1993-94	739840	906	7219	100711	107043	173709	1333062	NA	NA
1995-96	930603	2603	10534	280954	159638	233086	1140114	NA	NA
1996-97	937831	2322	11908	312499	146590	250128	1201644	NA	NA
1997-98	1085766	3292	5276	291684	170515	185927	1240325	NA	NA
1999-00	737801	2638	8218	339524	172572	209901	NA	260114	351246
2000-01	674213	4468	11114	553768	250116	219479	NA	245726	330591
2003-04	613576	11302	19164	1086758	272891	241077	NA	305253	338058

Table 5.6 (continued)

Year	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	Kolkata	West Bengal
1980-81	3922	390	177	63	6809	2268	157	1038	4654	430349
1981-82	4217	418	148	22	5687	2135	254	1588	10604	482597
1982-83	4664	547	115	28	5007	2138	21	1324	4638	533752
1984-85	7264	488	114	15	6122	2267	214	1319	4353	588562
1985-86	11285	504	147	10	8285	2448	219	2072	6677	704526
1989-90	11698	1120	1157	61	768	2092	101	6833	92154	837805
1990-91	2338	53	1179	449	1648	128	48	6761	106106	1198651
1993-94	1002	97	1194	1018	2024	2074	101	115947	141636	2123678
1995-96	194804	6693	2476	1529	25118	11684	1064	19278	3005	3052476
1996-97	378474	6932	1769	1746	80641	10065	1225	15679	35058	3395778
1997-98	278474	12561	3598	1539	56473	25579	1508	23270	25394	3412271
1999-00	39632	27135	3836	6556	59211	17408	1453	26851	40735	2334002
2000-01	37719	11737	2979	11313	44148	25261	1237	27107	50477	2534972
2003-04	42140	10577	8442	14705	56465	26093	382	17380	62902	3286932

Source: As in Table 5.3

Table 5.7 Number of Workers of Factories Reported under Annual Survey of Industries (Census and Non-Census Sectors) in Districts of West Bengal, 1980-81 to 2003-04

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas	South 24-Parganas
1980-81	86088	4455	1453	15861	120877	78259	359635	NA	NA
1981-82	87347	4948	1800	16914	104264	80020	316687	NA	NA
1982-83	92104	4602	1565	16705	-	90799	378686	NA	NA
1984-85	76292	3838	1366	17603	103197	82615	301216	NA	NA
1985-86	92125	3909	1275	16342	83973	81999	-	NA	NA
1988-89	71796	3956	1184	16675	87953	73466	135904	NA	NA
1990-91	82067	1491	1362	17160	74404	82012	154077	NA	NA
1993-94	90272	1241	2069	16810	86635	73409	106508	NA	NA
1995-96	90864	3745	2540	19479	98031	80888	247538	NA	NA
1996-97	88417	2808	2815	19262	80352	85008	234702	NA	NA
1997-98	101683	3504	2933	18370	88810	76104	257022	NA	NA
1999-00	60012	2778	2523	9826	66410	72607	184310	109360	74950
2000-01	58051	3249	2792	10528	70716	67568	173529	110302	63227
2003-04	49271	3729	3858	11442	65303	65357	152740	99623	53117
Rank	5	13	12	7	3	2	-	1	4

Table 5.7 (continued)

Year	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	Kolkata	West Bengal
1980-81	10294	1390	1033	716	23815	10087	502	2573	13111	756449
1981-82	10218	1387	1501	130	24787	9737	654	2637	26576	718632
1982-83	17280	2135	1206	227	21247	10586	184	2190	11635	798142
1984-85	11153	1408	1111	62	17039	6428	390	2111	10908	665485
1985-86	12738	1551	858	27	20079	5898	388	1634	15097	634426
1987-88	10286	1241	1569	150	13652	3998	390	1552	83495	515590
1990-91	723	113	1423	269	1478	1537	144	1193	87996	538482
1993-94	539	94	1197	779	2078	1794	92	2389	73770	492868
1995-96	10480	6349	3095	1425	14768	8802	917	2593	12765	604099
1996-97	8074	5285	2078	1736	25012	8251	1075	2388	18379	585642
1997-98	10212	7492	8847	2338	21383	8871	1069	4993	9624	619955
1999-00	5299	5568	2258	1048	16190	7524	1379	1651	7628	447011
2000-01	4576	8969	4833	3292	16888	7607	653	2801	8393	444445
2003-04	5293	3501	5011	3461	17577	7378	2534	1296	8579	406330
Rank	10	14	11	15	6	9	16	17	8	-

Source: As in Table 5.3

Table 5.8 Number of Employees of Factories Reported under Annual Survey of Industries (Census and Non-Census Sectors) in Districts of West Bengal, 1980-81 to 2003-04

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas	South 24-Parganas
1980-81	122917	5431	1863	20360	148898	93747	443561	NA	NA
1981-82	124233	6176	2195	21618	132077	96180	388801	NA	NA
1982-83	131233	5920	2006	22256	144337	111235	461114	NA	NA
1984-85	102965	4647	1912	22443	125921	102088	373255	NA	NA
1985-86	112354	5322	1565	21418	104381	99499	321956	NA	NA
1989-90	93802	4664	1435	20748	107227	90482	162338	NA	NA
1990-91	114773	1813	1606	21208	92149	99932	186744	NA	NA
1993-94	119498	1544	2673	20618	108346	90307	128376	NA	NA
1995-96	122201	4519	3208	24574	118944	98845	319451	NA	NA
1996-97	121109	3530	3544	24029	99620	97427	288346	NA	NA
1997-98	125718	4427	3567	23100	110064	90521	334156	NA	NA
1999-00	77314	3500	3123	12938	81568	85809	235495	133669	101826
2000-01	77854	4230	3489	14030	88161	80449	219822	132479	87343
2003-04	64975	4690	4867	15421	80147	76365	198621	119966	78655
Rank	5	14	12	7	2	4	-	1	3

Table 5.8 (continued)

Year	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	Kolkata	West Bengal
1980-81	13874	1689	1474	832	26569	11861	595	3167	19365	952789
1981-82	13941	1674	1820	167	27535	11577	802	3259	37510	908318
1982-83	22109	2578	1754	265	23885	12479	235	2671	16288	1000953
1984-85	15429	1890	1380	83	19010	7785	513	2673	16584	845863
1985-86	17090	2070	1020	32	22368	6991	477	1998	22520	802177
1989-90	14709	1541	1908	195	15296	4642	456	1858	114654	646023
1990-91	1087	130	1648	326	1790	1778	150	1449	122408	691236
1993-94	849	117	1424	948	2417	2249	124	2797	122184	6.7672
1995-96	15624	7888	3560	1576	16565	10690	108	2972	19176	770874
1996-97	11632	6843	2341	2010	30596	9776	1302	2707	26569	731381
1997-98	15577	9250	5959	2615	25377	10687	1286	5850	15918	784072
1999-00	7394	7713	2695	1412	19774	8783	1676	1930	13165	564289
2000-01	6296	10679	5308	4109	19369	9289	846	3137	14636	561704
2003-04	6805	4733	5657	3940	20379	8666	2748	1714	13979	513707
Rank	10	13	11	15	6	9	16	17	8	-

Source: As in Table 5.3

Table 5.9 Wages to Workers of Factories Reported under Annual Survey of Industries (Census and Non-Census Sectors) in Districts of West Bengal, 1980-81 to 2003-04 (Rs in lakh)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1980-81	9821	87	34	1136	8223	6419	27671	NA
1981-82	11238	124	46	1346	7892	7249	26769	NA
1982-83	12757	128	47	1480	9790	7762	30290	NA
1984-85	14367	145	53	1984	11742	10371	34342	NA
1985-86	17459	119	55	2286	9603	11349	35405	NA
1989-90	17874	224	62	3626	14388	15570	25365	NA
1990-91	25206	61	119	4495	12910	18591	32863	NA
1993-94	29665	43	189	3305	21272	22511	249184	NA
1995-96	50997	440	267	8653	31621	30954	96002	NA
1996-97	53029	309	364	9039	26414	33738	98985	NA
1997-98	50836	397	398	12394	38523	36846	132739	NA
1999-00	60010	381	436	7521	27416	42643	NA	55095
2000-01	54514	625	670	12409	35151	42488	NA	57615
2003-04	48199	844	899	10058	32045	39843	NA	61349

Table 5.9 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	Kolkata	West Bengal
1980-81	NA	661	96	14	39	541	264	28	131	9411	59747
1981-82	NA	543	99	18	5	617	262	43	162	2300	63625
1982-83	NA	1359	179	17	9	569	277	4	180	1105	71063
1984-85	NA	1171	131	25	2	639	271	26	199	1232	81750
1985-86	NA	1395	163	24	1	797	248	28	215	1686	87621
1989-90	NA	1770	178	132	12	766	214	21	326	18314	99420
1990-91	NA	62	5	152	25	101	92	23	367	19487	119741
1993-94	NA	76	14	190	76	198	133	7	594	20490	151397
1995-96	NA	3644	1004	542	193	1357	739	252	916	4232	231813
1996-97	NA	3040	1106	338	178	7775	1423	303	884	7067	243994
1997-98	NA	4492	1193	536	1038	3010	1492	313	1412	3505	289123
1999-00	40347	2315	1029	475	169	2439	1266	155	1409	2920	246026
2000-01	40258	2698	1494	956	608	2912	1280	88	1336	3782	258884
2003-04	32624	2740	589	1076	763	3465	1347	352	820	4684	241697

Source: As in Table 5.3

Table 5.10 Materials Consumed in Factories Reported under Annual Survey of Industries (Census and Non-Census Sectors) in Districts of West Bengal, 1980-81 to 2003-04 (In Rs lakh)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24-Parganas
1980-81	39072	3914	964	34533	50668	39425	144252
1990-91	130785	2602	1549	115779	110856	117170	176927
1999-00	227076	7922	12354	403855	243124	274164	327469
2000-01	247685	10931	9589	593494	310708	226823	278094
2003-04	397958	38703	28348	1000832	416425	306789	337820

Table 5.10 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	Kolkata	West Bengal
1980-81	NA	4254	494	581	78	9678	3907	175	4216	5946	351649
1990-91	NA	572	77	1243	274	1449	2332	45	7306	194796	929147
1999-00	361312	17183	34774	6899	6613	61036	22273	1894	19923	63993	2091864
2000-01	362407	42719	25318	8853	15596	64627	30326	1551	24115	87548	2340384
2003-04	385101	72558	15798	12109	19842	87937	36004	2267	18879	78986	3256356

Source: As in Table 5.3

Table 5.11 Value of Products of Factories Reported under Annual Survey of Industries (Census and Non-Census Sectors) in Districts of West Bengal, 1980-81 to 2003-04 (In Rs lakh)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24-Parganas
1980-81	73292	4265	1309	38654	73600	65267	215120
1990-91	189447	3023	2001	137163	153681	198150	264569
1999-00	396556	9570	15646	468113	322889	397505	519492
2000-01	445624	13737	15100	674856	435499	353557	443921
2003-04	692750	45835	41503	1241374	556086	447381	525076

Table 5.11 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	Kolkata	West Bengal
1980-81	NA	5198	863	678	155	12553	5264	414	4541	8328	537421
1990-91	NA	1235	100	1821	377	4114	3317	174	10474	268010	1388753
1999-00	508479	56607	72569	10109	9293	97161	36879	2692	38386	60005	3021951
2000-01	560636	62737	50245	11484	31217	87595	44744	2296	34852	89922	3358022
2003-04	611980	89988	32834	16387	42039	112506	49273	3475	26285	92585	4627357

Source: As in Table 5.3

Table 5.12 Gross Output of Factories Reported under Annual Survey of Industries (Census and Non-Census Sectors) in Districts of West Bengal, 1980-81 to 2003-04 (In Rs lakh)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24-Parganas
1980-81	81255	4353	1512	43145	83314	68578	245841
1990-91	201675	3042	2114	145068	174047	206602	281383
1999-00	429446	9819	18271	186147	402448	418736	613471
2000-01	472623	16815	18057	698333	525035	382969	522918
2003-04	762928	47256	46467	1320881	643133	522595	625076

Table 5.12 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	Kolkata	West Bengal
1980-81	NA	6172	872	681	160	13053	5311	439	5027	10148	598195
1990-91	NA	1305	104	1857	413	4199	3366	177	10840	289591	1483102
1999-00	592012	68698	73818	10468	9390	100725	37650	2880	38733	91856	3404568
2000-01	642078	70183	50612	11637	31416	93665	52642	2476	35451	160738	3787648
2003-04	726339	100246	33524	16872	42722	120943	66193	4623	27402	190631	5297834

Source: As in Table 5.3

Table 5.13 Net Value Added in Factories Reported Under Annual Survey of Industries (Census and Non-Census Sectors) in Districts of West Bengal, 1980-81 to 2003-04 (In Rs lakh)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	North 24-Parganas
1980-81	15496	19	410	4874	19288	17791	64677
1990-91	15203	214	353	17939	34778	56907	59215
1999-00	88931	302	2203	39048	57331	69472	161840
2000-01	57261	1882	4525	27044	85793	68577	122434
2003-04	148330	3782	4919	151481	78723	83512	131770

Table 5.13 (continued)

Year	South 24-Parganas	Nadia	Murshidabad	West Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	Kolkata	West Bengal
1980-81	NA	297	155	16	65	1098	722	23	538	2635	137007
1990-91	NA	402	18	253	67	1961	424	103	1952	58427	278620
1999-00	81231	36690	3520	1485	593	15303	2109	49	8826	7047	575980
2000-01	133886	11571	5629	986	4290	5845	4540	351	5057	23092	562763
2003-04	149400	8016	3243	1634	5375	3749	4203	638	4314	27325	810414

Source: As in Table 5.3

Table 5.14 Index of Industrial Production in West Bengal, 1981-82 to 2007-08

Year	Mining and quarrying	Manufacturing	Electricity	General
1980-81=100				
1981-82	107.38	105.49	110.20	106.06
1982-83	101.52	104.24	121.82	104.93
1983-84	95.91	104.45	126.25	104.55
1984-85	98.34	99.43	138.37	101.67
1985-86	99.14	103.83	158.77	106.53
1986-87	101.55	110.55	165.06	112.59
1987-88	104.30	111.06	192.79	115.11
1988-89	111.85	117.89	196.72	121.86
1989-90	98.72	120.78	218.98	123.60
1990-91	87.83	124.99	219.348	125.39
1991-92	93.71	124.41	249.80	127.66
1992-93	101.16	124.42	275.00	130.31
1993-94	85.13	129.83	302.50	133.94
1994-95	81.80	139.99	331.80	143.32
1995-96	99.50	155.27	343.24	158.71
1996-97	97.47	169.51	343.40	169.71
1997-98	91.84	179.25	342.03	176.53
1998-99	83.33	186.81	352.49	181.93
1999-2000	88.22	199.60	409.80	196.31
1993-94=100				
1999-2000	103.7	123.1	141.3	124.0
2000-01	118.3	127.5	158.7	129.8
2001-02	126.0	129.5	170.2	132.8
2002-03	120.0	142.2	186.1	145.2
2003-04	127.0	151.4	201.2	154.8
2004-05	141.1	159.7	212.5	163.5
2005-06	148.0	179.0	233.0	182.6
2006-07	149.1	190.3	237.1	193.0
2007-08	135.2	198.7	246.1	200.8

Source: Bureau of Applied Economics & Statistics, Govt. of West Bengal

5.3 Registered Small Scale Industrial Units

Directorate of Micro and Small Scale Enterprises, Government of West Bengal provide necessary data on small-scale industry units for districts of West Bengal. The Directorate has the system of registering small scale industries and providing necessary support so that these units can become viable units. The industrial policy of the State Government places special importance to the growth of these cottage and small scale industries.

In Table 5.15, SSI units registered with Cottage and Small Scale Industries Department of the State in districts are given. The table shows that in purely agricultural districts like Bankura, Birbhum, Jalpaiguri and Murshidabad the number of registered units are not negligible. The rising income from agricultural production is a contributing factor towards expansion of the non-farm sector. During 1977-78 to 2005-06 Burdwan, Birbhum, Medinipur, Howrah, South 24-Parganas, Kolkata, Nadia, Murshidabad and Jalpaiguri districts of West Bengal recorded increase in registered small scale industries while the rest of the districts of West Bengal registered decline. Districts of the State shows declining trend in employment in small scale industrial units registered with this Directorate during this period, particularly during the economic reforms era that started vigorously since 1991 (Table 5.16). During 2007-08, number of entrepreneurship management-I received in West Bengal was 11299 of which the highest number was for Purba Medinipur district followed by South 24-Parganas and North 24-Parganas and the same-II was 17618 in the State of which the highest number was in Kolkata followed by Howrah (Table 5.17)

Table 5.15 Number of Small Scale Industrial Units Registered with the Directorate of Micro and Small Scale Enterprises in Districts of West Bengal, 1977-78 to 2005-06

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas	South 24-Parganas	Calcutta
1977-78	101	292	329	620	1132	400	1661	NA	NA	1778
1978-79	336	288	668	666	1335	702	1448	NA	NA	2681
1979-80	1203	551	483	1060	1851	660	1631	NA	NA	2326
1980-81	1646	553	450	1231	1198	692	1503	NA	NA	1881
1981-82	1297	880	343	937	1121	745	2049	NA	NA	1600
1982-83	1104	772	228	1674	1219	524	1996	NA	NA	1340
1983-84	897	726	251	2064	1411	770	2175	NA	NA	1469
1984-85	1821	737	440	1883	2374	1176	3483	NA	NA	2399
1985-86	2229	820	464	2859	2665	1504	4570	NA	NA	1566
1986-87	2177	865	683	1983	2850	1647	4365	2691	1674	1788
1987-88	2728	1136	847	3765	2973	2372	6483	4669	1814	1790
1988-89	2417	1099	1073	3214	2851	2043	5472	4358	1114	2218
1989-90	2408	977	758	3677	2449	1970	5710	4611	1099	2374
1990-91	2737	713	929	3658	2338	1719	5907	4621	1286	2825
1991-92	2654	631	932	3205	2321	1257	6759	5215	1544	2003
1992-93	1703	357	503	1626	1512	660	2986	2148	838	1565
1993-94	1454	235	701	1494	1371	612	2707	1901	806	1501
1994-95	1905	408	818	1529	1694	579	3762	2382	1380	1607
1995-96	2180	104	624	1812	1669	801	3765	2558	1207	1465
1996-97	2014	451	1093	1889	1761	905	3249	1881	1368	2302
1997-98	1804	333	925	1219	1822	1069	3214	2151	1063	1582
1998-99	1248	239	441	972	1496	557	2444	1697	747	1454
1999-00	857	240	306	699	995	440	1731	1136	595	1166
2000-01	625	175	358	1058	539	425	1277	997	280	1440
2001-02	884	337	308	1452	608	483	2187	1738	449	2206
2002-03	509	293	588	1380	568	485	1853	1433	420	2049
2003-04	663	333	373	1513	922	426	1677	1152	525	1119
2004-05	941	309	322	1471	1140	343	1553	1002	551	1194
2005-06	937	206	400	1788	1095	324	1787	869	918	1762

Table 5.15 (continued)

Year	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	332	417	348	NA	NA	401	143	329	302	393	8978
1978-79	304	489	295	NA	NA	413	378	373	168	400	10944
1979-80	385	719	311	NA	NA	558	680	421	341	519	13699
1980-81	387	637	269	NA	NA	725	273	507	270	553	12775
1981-82	522	494	324	NA	NA	431	538	355	190	436	12265
1982-83	688	374	155	NA	NA	483	668	351	242	395	12213
1983-84	530	255	270	NA	NA	401	1044	269	241	599	13373
1984-85	1031	611	497	NA	NA	649	1026	419	260	866	18672
1985-86	954	962	575	NA	NA	672	1181	551	349	1034	22955
1986-87	1264	1112	419	NA	NA	640	1711	700	273	751	23228
1987-88	1544	1269	435	NA	NA	937	1563	1455	504	848	30649
1988-89	1666	1092	627	NA	NA	833	1856	829	390	857	28536
1989-90	1730	1275	649	NA	NA	778	2253	806	451	800	29636
1990-91	1365	1370	727	NA	NA	854	1408	773	444	773	28846
1991-92	1569	1287	869	NA	NA	692	1228	791	499	737	27434
1992-93	824	736	454	NA	NA	357	579	516	185	360	14923
1993-94	592	725	348	NA	NA	197	606	254	93	327	13217
1994-95	539	641	208	NA	NA	204	654	173	117	231	15069
1995-96	550	1663	497	NA	NA	363	669	245	140	699	17246
1996-97	767	1743	506	NA	NA	417	737	517	247	648	19246
1997-98	506	1188	538	316	222	473	524	383	245	534	16359
1998-99	1070	1426	310	256	54	174	580	308	186	281	13156
1999-00	423	1135	273	188	85	283	393	200	248	331	9720
2000-01	345	836	316	179	137	351	272	176	199	212	8604
2001-02	364	1018	239	208	31	325	390	210	183	239	11433
2002-03	406	1004	336	205	131	335	348	218	200	367	10939
2003-04	484	872	223	142	81	326	369	225	311	278	10114
2004-05	541	861	189	107	82	315	292	142	332	289	10234
2005-06	528	830	154	106	48	419	280	141	278	265	11194

Source: Government of West Bengal, Statistical Abstract, Bureau of Applied Economics and Statistics

Table 5.16 Employment in Small Scale Industrial Units Registered with the Directorate of Micro and Small Scale Enterprises in Districts of West Bengal, 1977-78 to 2005-06

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	North 24 Parganas	South 24 Parganas
1977-78	708	3336	2457	1817	1803	3584	3056	-	-
1978-79	2352	2568	7233	5306	12015	4263	14086	-	-
1979-80	8421	4419	3912	8438	16659	6362	12477	-	-
1980-81	3484	5061	3110	10451	10163	8638	19306		
1981-82	9681	6662	1920	6915	6950	6534	17109	-	-
1982-83	9276	5525	1580	11350	7777	6117	19839	-	-
1983-84	9026	6456	1737	11591	8762	8135	22999	-	-
1984-85	12456	4848	2612	9819	11227	102643	36830	-	-

Table 5.16 (continued)

Year	Burdwan	Birbhum	Bankura	Undivided Medinipur	Howrah	Hooghly	24-Parganas	North 24 Parganas	South 24 Parganas
1985-86	13108	6060	2885	17850	10371	14066	48305	-	-
1986-87	13203	5922	3590	13086	12575	12995	32227	19564	12663
1987-88	12525	7168	4389	21339	10923	18656	39097	27538	11559
1988-89	13007	6221	5652	17168	14401	14869	37067	29407	7660
1989-90	11266	6369	3610	17714	11431	13553	35400	25993	9407
1990-91	13852	3946	4899	17915	10097	11789	36883	25527	11356
1991-92	16794	3813	4180	15190	7712	8213	40839	28366	12473
1992-93	9850	2333	2315	7641	6607	4950	19321	12312	7009
1993-94	9206	1595	3460	6589	6498	5004	17219	10882	6337
1994-95	10633	2567	3193	7084	9184	4013	21471	13655	7816
1995-96	13612	3407	2504	8007	9010	6019	23556	14878	8678
1996-97	12092	3160	5466	9617	9435	8231	21768	11171	10597
1998-99	5694	1779	1916	5053	7815	4395	16167	10220	5947
1999-00	5458	1917	1555	4202	6565	4371	13022	7881	5141
2000-01	4727	1592	1954	4811	3243	4979	9603	7504	2099
2001-02	5159	2364	1487	6983	3065	3584	12358	9346	3012
2002-03	3021	2153	2482	7133	2980	3250	10754	7464	3290
2003-04	5387	3409	2444	9146	4505	3472	11076	7126	3950
2004-05	8235	3225	2162	7609	4981	2618	10759	6388	4371
2005-06	7292	2144	2327	9706	5798	2664	11509	5394	6115

Table 5.16 (continued)

Year	Calcutta	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1977-78	12446	1660	2085	1796	-	-	1717	816	1645	1072	2723	42751
1978-79	16247	2783	2484	1522	-	-	2784	1614	4758	595	2532	80143
1979-80	12956	3915	6054	1602	-	-	3677	2904	7473	1289	3778	104336
1980-81	13532	2290	2763	1634	-	-	3488	1712	8999	1562	3808	10104
1981-82	14385	4197	3611	1568	-	-	2933	2207	2721	1041	3158	91605
1982-83	13395	4647	2730	2253	-	-	4313	2873	1534	2338	2373	97962
1983-84	14694	4780	1859	2443	-	-	3877	4726	1221	2219	3067	107592
1984-85	12434	4903	3751	3301	-	-	3105	4885	3000	1599	3765	129299
1985-86	13961	4884	5939	3695	-	-	2657	6918	3945	1922	5807	162375
1986-87	14897	6874	5923	2421	-	-	334	8446	5012	1289	4647	146435
1987-88	14294	8477	6977	2367	-	-	6606	7123	5575	2223	4464	172203
1988-89	18741	10014	5244	3823	-	-	5622	10864	4593	2222	6297	175805
1989-90	19834	8029	6951	3464	-	-	4214	10590	6775	2202	5685	167087
1990-91	20563	6473	6275	3962	-	-	5056	8092	6180	2003	5147	163132
1991-92	12982	7636	6149	5649	-	-	3868	6270	4606	1961	4966	150828

Table 5.16 (continued)

Year	Calcutta	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1992-93	11145	4179	3238	2398	-	-	1868	3188	2199	756	1883	83871
1993-94	11592	2677	2763	1949	-	-	930	3152	1191	423	1802	76035
1994-95	9495	2439	2460	1136	-	-	1196	3880	1297	375	982	81405
1995-96	10449	3108	6499	2633	-	-	2133	4352	1202	628	5223	102332
1996-97	16481	3985	9253	2582	-	-	2333	5101	2449	1343	3715	117017
1998-99	10819	4457	6533	1700	1479	221	1000	4442	2105	1123	1635	76633
1999-00	8126	2054	5610	1800	1461	339	1483	2828	1578	1363	2221	64153
2000-01	9152	1283	3360	1749	876	873	1222	1923	910	1448	1296	53252
2001-02	11979	1566	4154	1332	1164	168	1335	2073	1218	902	1094	60653
2002-03	12209	2073	5021	1553	915	638	1815	2005	1185	1310	2372	61326
2003-04	7064	2208	5177	1622	937	685	1904	2437	1276	1992	2035	65154
2004-05	7632	2301	4588	1124	713	411	1672	2397	982	1746	2160	64191
2005-06	12792	2669	4241	971	612	359	2282	1792	897	1694	2444	71222

Source: As in Table 5.15

Table 5.17 Number, Employment and Investment in Plant and Machinery of Entrepreneurs Memorandum(EM) -I and II Received in Districts of West Bengal, 2007-08

District/Sub-district Industry Center	Number of EM-I received			Number of EM-II received		
	Number	Employ-ment	Investment in plant & machinary (Rs Lakh)	Number	Employ-ment	Investment in plant & machinary (Rs lakh)
Bankura	675	5095	3570.88	540	4441	3053.32
Birbhum	286	4614	3248.92	402	14075	2193.5
Burdwan	432	3810	6337.25	314	3487	4586.47
Coochbehar	401	3736	2344.77	390	2717	1515.64
Dakshin dinajpur	139	1354	1339.65	234	2176	2479.42
Durgapur	263	3718	2344.56	532	7249	5528.56
Hooghly	472	8091	9725	595	8227	7292
Howrah	793	10476	12341	2788	29589	33882
Jalpaiguri	478	3799	4553	408	2536	2066.99
Kolkata	594	5893	5872	3026	34374	26493
Maldah	277	2185	1895	839	5270	1592.29
Murshidabad	841	7711	5648.92	831	9025	2760.56
North 24 Parganas	1034	9242	10122	2374	22049	17459.96
Nadia	546	4610	2444	244	2575	1193
Paschim medinipur	626	3870	3373.41	650	4632	3156.47
Purba medinipur	1407	11780	2574.49	1405	8838	2907.73
Purulia	222	2196	2242.5	289	2517	2283.78
Siliguri	58	1046	2167	152	1374	1973
South 24 parganas	1294	15747	5878	1310	16317	13225
Uttar Dinajpur	369	2543	2174.17	164	1177	1131.16
Darjeeling	92	404	599.47	131	684	133.46
Total	11299	11920	90795.99	17618	183329	136907.3

Source: Annual Report 2007-08, Department of Micro and Small Scale Enterprises, Governtment of West Bengal

5.4 Present Status of Handicraft Industries in the West Bengal

West Bengal witnesses good concentration of handicraft industries and craftsmen. There are about 554281 craftsmen and 206000 handicraft units in West Bengal. Prominent handicrafts in West Bengal in terms of number of units are given in Table 5.18.

Most of the crafts on cluster basis are situated in rural areas of different districts. Because of the increase in demand for different handicraft items in the urban markets, the unemployed youth and others having background in arts and crafts set up small handicraft units in different small towns and other urban areas in the State.

In West Bengal, large varieties of handicraft activities which are scattered mostly in the rural areas of different districts in West Bengal are terracotta, dokra, brass and bell metal, conch and sea shell work, coconut shell work, wood carving, horn crafts, shoal crafts, glass work, lac products, cane and bamboo crafts, zari works, mask, artistic leather, jute handicrafts, mat, embroidery, kantha stitch, hand batik, fabric painting, pota-chitra etc. Though every district of the State has the culture of practicing a number of handicrafts activities each district is known by one or two crafts for which such districts have special reputations for these particular crafts. Darjeeling is known for its hill crafts and painting, Jalpaiguri for cane work, Coochbehar for sital pati, Dakshin Dinajpur for dokra, Uttar Dinajpur for terracotta, Maldah for brass and bell metal, Murshidabad for sandal-wood carving and brass and bell-metal. Similarly, Bankura is famous for terracotta, stone carving, dokra, wood carving etc. Burdwan for dokra, sola crafts and kantha stitch, Birbhum for artistic leather goods and kantha stitch, Nadia for clay dolls and terracotta, Hooghly for chikon embroidery, Medinipur for mat, horn, folk panting, Purulia for mask, Howrah for Zari work, imitation jewellery and South and North 24-Parganas and Kolkata for jute crafts, embroidery etc (Table 5.19).

Not only in terms of varieties but also in terms of numbers of craftsmen, West Bengal occupies an important position in the country. More than 5 lakhs craftsmen reside in West Bengal, who are engaged in manufacturing different handicraft products. West Bengal has been occupying third position among the States of India in terms of number of working craftsmen.

Table 5.18 Position of Prominent Handicrafts in West Bengal

Sl. No.	Names of crafts	Number of units
1	Terracotta/ Clay Dolls/ Pottery etc.	5655
2	Brass and Bell Metal	4092
3	Cane and Bamboo Crafts	6526
4	Dokra	167
5	Silver filigree/ Imitation Jewellery etc.	30078
6	Horn Crafts	1326
7	Mat	15026
8	Chikon/ Hand Embroidery/ Kantha/ Butic/ Appliqué etc.	11137
9	Wood Curving	2892
10	Sola Crafts	526
11	Stone Carving / Shell Carving	6077
12	Zari work	11000
13	Other Miscellaneous including Jute and Handicrafts	12391

Source: Office of the Directorate of the Micro and Small Scale Industries, Government of West Bengal.

Table 5.19 Craft Clusters in West Bengal

SL. No	Name of crafts	Places of concentration
1	Zari	Panchla, Jagatballavpur, Domjur of Howrah District, Bishnupur – I & II and other Adjacent Blocks of South 24-Parganas, Daspur – I & II of Paschim Medinipur District
2	Imitation Jewellery	Jagatballavpur & Domjur of Howrah District
3	Wig	Panchla of Howrah District, Ramnagar of Purba Medinipur District
4	Shuttle Cork	Ulberia – I of Howrah District
5	Horn Products	Baishnabchak and Dongabanga of Purba Medinipur District, Dewlgram of Howrah District

Table 5.19(continued)

SL. No	Name of crafts	Places of concentration
6	Mat	Sabang Paschim Medinipur District And Ramnagar of Purba Medinipur District
7	Conch and Sea Shell	Digha of Purba Medinipur District, Bishnupur of Bankura District, Karimpur of Nadia District etc.
8	Terracotta	Panchmura of Bankura District, Ghurni and Nabawdip of Nadia District, Matigara of Siliguri District and other 36 clusters in different Districts
9	Dokra	Bikna of Bankura District, Dariapur of Burdwan District
10	Wood Carving	Natungram of Burdwan District, Bankura Town and many other clusters
11	Cane Products	Siliguri, Jalpaiguri and Coochbehar
12	Jute Handicrafts	Shibrampur of South 24-Parganas, Behala of Kolkata District, Burdwan, Nadia, Howrah, Coochbehar and many other clusters
13	Kantha Stitch	Kolkata, North 24-Parganas, Burdwan, Birbhum etc.
14	Shoal Products	Burdwan, Birbhum and Murshidabad
15	Mask	Bagmundi of Purulia District
16	Hill Handicrafts	Kalimpong and Darjeeling of Darjeeling District
17	Sitalpati	Dewanhat, Ghegirghat of Coochbehar
18	Bamboo Crafts	Gazol of Maldah District, Subashgang of Uttar Dinajpur District, Ushaharan of Dakshin Dinajpur District
19	Dhokra	Kushmandi, Ukhalia, Balatur etc. of Dakshin Dinajpur District, Majlishbag of Maldah District
20	Pata-Chitra	Naya of Paschim Medinipur District and Nanda Kumar of Purba Medinipur District
21	Chikon Embroidary	Babnan of Hooghly District

Source: As in Table 5.18

5.5 Handloom Sector Development

During 1987-88 to 2005-06 production of handloom cloths increased from 4370 million sq meters to 6108 million sq meters in India and from 390 million sq meters to 1080 million sq meters in West Bengal. During this period simple annual growth rate of handloom cloth production is estimated at 2.21% and 9.83% in India and West Bengal respectively. In 1987-88 West Bengal produced about 9 percent of handloom cloths of India and this share increased to 18 percent in 2005-06. During 1976-77 to 2006-07 both per loom productivity and labour productivity recorded significant increase in West Bengal. Number of persons employed by handloom sector in India increased from 65.33 lakhs in 1987-88 to 120 lakhs in 2005-06 while in West Bengal that (full time or partime) has not changed. During 2005-06 Nadia recorded the highest employment (270775) followed by Murshidabad (62520), Burdwan (61800), Purba Medinipur (39866), Hooghly (38365) and Bankura (36183). Simple annual growth rate during 1985-86 to 2005-06 was highest in Dinajpur (10.24 per cent) followed by Nadia (5.27 per cent). The growth rate is negative in the districts of Burdwan, Cooch Bihar, Hooghly, Maldah, Murshidabad and undivided Midnapore district (Table 5.20 to Table 5.23).

Well-performing Weavers Cooperative Society is a blessing to the weavers for development, welfare, reasonable remuneration, and safeguard for survival in the stiff competitive textile market. During the pre-reform period from 1980-81 to 1993-94 compund annual growth rate of the societies for four districts (Darjeeling, Jalpaiguri, West Dinajpur and Murshidabad) was 7% and above, while that of Howrah, Burdwan, Nadia and Cooch Bihar varied between 5% and 6.99% and that of 24-Parganas and Hooghly below 1%. During the reform period from 1997-98 to 2005-06 the growth rate decelerated; only four districts (Howrah,Hooghly,West Dinajpur and Jalpaiguri) recorded growth rate varying between 1% and 2% while the rest of the districts experienced growth rate below 1%. Simple annual growth rate of looms under active handloom weavers' cooperative societies during 1982-83 to 1988-89 was highest in Cooch Bihar (19.37%) followed by Murshidabad (14.10%), Dinajpur (13.41%), undivided Midnapur (12.74%) and Nadia (12.31%) and Burdwan (10.61%) while Bankura showed negative annual growth rate. During 2004-05 to 2005-06 the

growth rate decelerated; simple annual growth rate for four districts was positive while eight districts experienced negative growth rate (Table 5.24 to Table 5.27).

Table 5.20 Production of Handloom Cloths and Employment in Handloom Sector, 1980-81 to 2005-06

Year	India		West Bengal	
	Production (Million sq. meters)	Employment (lakh)	Production (million sq. meters)	Employment (lakh)
1987-88	4370 (100)	65.33 (100)	390 (8.92)	6.67(10.21)
1995-96	7202 (100)	65.51(100)	401 (5.57)	6.48 (9.89)
1997-98	7603 (100)	124(100)	439 (5.77)	6.67(5.38)
1998-99	6792 (100)	124(100)	440 (6.48)	6.67(5.38)
1999-2000	7352 (100)	124(100)	440 (5.98)	6.67(5.38)
2000- 01	7506 (100)	124(100)	679 (9.05)	6.67(5.38)
2001-02	7585 (100)	124(100)	650 (8.57)	6.67(5.38)
2002-03	5980 (100)	120(100)	1204 (20.13)	6.67(5.56)
2003-04	5493 (100)	120(100)	1192 (21.70)	6.67(5.56)
2004-05	5722 (100)	120(100)	1081 (18.89)	6.67(5.56)
2005-06	6108 (100)	120(100)	1080 (17.68)	6.67(5.56)

Source: *Compendium of Textile Statistics, 2005* ; Various Annual Reports of Ministry of Textiles, Government of India & *Economic Review*, Government of West Bengal.

Table 5.21 Progress of Handloom Industry in West Bengal, 1976-77 to 2006-07

Year	Total number of looms	Index	Number of looms under cooperative fold	Index	Production (million mtr.)	Index	Employment ('000 number)	Index	Handloom cooperative societies (number)	Index	Sales turnover in organized sector (rs crores) at current price	Index
1976-77	198585	100	76674 (38.61)	100	207	100	510	100	1333	100	3.07	100
1977-78	198585	100	80945 (40.76)	106	225	109	516	101	1459	109	5.79	189
1978-79	211990	107	71157 (33.57)		250	121	551	108	1222	92	9.32	304
1979-80	211990	107	84480 (39.85)	110	270	130	636	125	1261	95	14.3	467
1980-81	211990	107	91822 (43.31)	120	285	138	663	130		96	20.9	680
1981-82	211990	107	96250 (45.40)	126	305	147	663	130	1290	97	25.7	836
1982-83	256556	129	97704 (38.08)	127	307	148	852	167	1185	89	28.5	928
1983-84	256556	129	101760(39.66)	133	365	176	852	167	1239	93	25.4	829
1984-85	256556	129	105653 (41.18)	138	370	179	642	126	1296	97	28.5	928
1985-86	256556	129	111783 (43.57)	146	372	180	642	126	1365	102	35.1	1144
1986-87	266556	134	119010 (44.65)	155	383	185	667	131	1429	107	41	1336
1987-88	266556	134	125711 (50.19)	164	390	188	667	131	1510	113	41.5	1352
1988-89	269056	135	135041 (50.19)	176	399	193	667	131	1623	122	45	1466
1989-90	338499	170	144179 (42.59)	188	414	200	711	139	1722	129	50	1629
1990-91	338499	170	153188 (45.26)	200	432	209	711	139	1814	136	65.9	2145

Table 5.21 (continued)

Year	Total number of looms	Index	Number of looms under cooperative fold	Index	Production (million mtr.)	Index	Employment ('000 number)	Index	Handloom cooperative societies (number)	Index	Sales turnover in organized sector (rs crores) at current price	Index
CAGR(%)	3.61*	-	5.09*	-	5.03*		1.81**	-	2.08*	-	17.60*	-
t ratio	10.06	-	18.61	-	13.88		2.37	-	3.72	-	8.63	-
F value	101.22	-	346.24	-	192.53		5.6	-	13.84	-	74.53	-
1991-92	338499	100	160524 (47.42)	100	445	100	700	100	1892	100	44	100
1992-93	338499	100	161342 (47.66)	101	447	100	690	99	1900	100	33.6	76
1993-94	338499	100	161393 (47.68)	101	443	100	680	97	1901	100	38	86
1994-95	338499	100	162396(47.98)	101	400	90	670	96	1914	101	65.6	149
1995-96	338499	100	163249 (48.23)	102	401	90	648	93	1922	102	70	159
1996-97	338499	100	163962 (48.44)	102	439	99	632	90	1929	102	64.3	146
1997-98	338499	100	164716 (48.66)	103	439	99	667	95	2171	115	60.9	138
1998-99	338499	100	165265(48.82)	103	440	99	667	95	2190	116	58.1	132
1999-00	338499	100	166545 (49.20)	104	440	99	667	95	2190	116	65	148
2000-01	338499	100	178678 (52.79)	111	679	153	667	95	2203	116	50.7	115
2001-02	338499	100	180812 (53.42)	113	650	146	667	95	2203	116	48.9	111
2002-03	338499	100	182118 (53.80)	113	1204	271	667	95	2203	116	52.3	119
2003-04	338499	100	183913(54.33)	115	1192	268	667	95	2209	117	59.1	134
2004-05	338191	100	184173(54.46)	115	1081	243	666	95	2210	117	29.1	66
2005-06	338169	100	184263(54.49)	115	1080	243	657	94	2212	117	32.4	74
2006-07	338169	100	182837(54.07)	114	980	220	657	94	2199	116	28.3	64

Source: As in Table 5.20
Note: Figures within parentheses indicate percentage share to total number of looms.

Table 5.22 Per Loom Productivity and Labour Productivity in Handloom Industry in West Bengal, 1976-77 to 2006-07

Year	Number of looms	Production (sq.million meters)	Employment ('000 number)	Productivity per loom (sq. meter)	Labour productivity (sq. meter)
1976-77	198585	207	510	31.59	12.30
1977-78	198585	225	516	34.33	13.21
1978-79	211990	250	551	35.74	13.75
1979-80	211990	270	636	38.60	12.86
1980-81	211990	285	663	40.74	13.03
1981-82	211990	305	663	43.60	13.94
1982-83	256556	307	852	36.26	10.92

Table 5.22(continued)

Year	Number of looms	Production (sq.million meters)	Employment ('000 number)	Productivity per loom (sq. meter)	Labour productivity (sq. meter)
1983-84	256556	365	852	43.11	12.98
1984-85	256556	370	642	43.70	17.46
1985-86	256556	372	642	43.94	17.56
1986-87	266556	383	667	43.54	17.40
1987-88	266556	390	667	44.34	17.72
1988-89	269056	399	667	44.94	18.13
1989-90	338499	414	711	37.06	17.64
1990-91	338499	432	711	38.67	18.41
1991-92	338499	445	700	39.84	19.26
1992-93	338499	447	690	40.02	19.63
1993-94	338499	443	680	39.66	19.74
1994-95	338499	400	670	35.81	18.09
1995-96	338499	401	648	35.90	18.75
1996-97	338499	439	632	39.30	21.05
1997-98	338499	439	667	39.30	19.94
1998-99	338499	440	667	39.39	19.99
1999-00	338499	440	667	39.39	19.99
2000-01	338499	679	667	60.79	30.85
2001-02	338499	650	667	58.19	29.53
2002-03	338499	1204	667	107.78	54.70
2003-04	338499	1192	667	106.71	54.15
2004-05	338191	1081	666	96.86	49.19
2005-06	338169	1080	657	96.78	49.81
2006-07	338169	980	657	87.82	45.20

Source: As Table 5.20

Table 5.23 Number of Workers in Handloom Weaving in Districts of West Bengal, 1985 -86 to 2005-06

District	1985-86	2004-05	2005-06	AGR (Per cent)
Bankura	29352 (4.58)	36183 (5.43)	36183 (5.50)	1.16
Burdwan	69775 (10.89)	62550 (9.39)	61800 (9.40)	-0.57
Birbhum	18695 (2.92)	24093 (3.62)	24093 (3.67)	1.44
Coochbehar	14012 (2.19)	4693 (0.70)	4693 (0.71)	-3.33
Darjeeling	200 (0.03)	404 (0.06)	404 (0.06)	5.10
West Dinajpur	10528 (1.64)	32089 (4.82)	32089 (4.88)	10.24
Jalpaiguri	3235 (0.50)	4520 (0.68)	4520 (0.69)	1.99
Hooghly	58250 (9.09)	38365 (5.76)	38365 (5.84)	-1.71
Howrah	10300 (1.61)	10173 (1.53)	10173 (1.55)	-0.06
Maldah	31358 (4.89)	17800 (2.67)	17800 (2.71)	-2.16
Undivided Medinipur	119760 (18.69)	47914-East (7.19) 25300-West (3.80)	39866-East (6.06) 25300 West (3.85)	- 2.28
Murshidabad	86590 (13.51)	62520 (9.39)	62520 (9.51)	-1.39
Nadia	131783 (20.56)	270775 (40.65)	270775 (41.19)	5.27
24th Parganas	44085 (6.88)	22471- N (3.37) 1155 –S (0.17)	22471 North (3.42) 1155 South (0.18)	-2.32
Purulia	12998 (2.03)	5133 (0.77)	5133 (0.78)	-3.03
West Bengal	640921 (100)	666138 (100)	657340 (100)	0.13

Source: Directorate of Handloom, Government of West Bengal

Note: Figures within parenthese indicate percentage share of districts to total number of West Bengal.

Table 5.24 Number of Handloom Weavers Cooperative Societies in Districts of West Bengal, 1980-81 to 1993-94

District	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	AGR (%)
Howrah	20	23	20	26	26	26	26	27	31	34	36	37	37	37	5.04
24-Parganas	220	225	175	155	159	162	166	174	187	193	199	207	209	210	.723
Hooghly	106	108	96	73	77	82	84	89	95	99	103	104	104	104	0.93
Burdwan	98	102	90	116	128	142	152	159	163	167	171	171	171	171	5.1
Bankura	95	80	91	103	105	107	107	108	112	115	118	119	119	119	2.48
Purulia	30	33	35	36	36	37	37	38	39	40	41	42	42	42	2.26
Nadia	201	205	198	212	224	223	225	279	306	335	356	372	376	376	5.99
Undivided Medinipur	254	261	250	260	269	276	283	295	313	327	348	378	379	379	3.62
Murshidabad	77	80	79	75	84	99	110	123	136	150	160	168	168	168	7.55
Birbhum	65	68	63	71	74	75	80	83	90	97	102	108	108	108	4.62
Maldah	57	59	42	53	53	53	55	58	64	70	72	74	75	75	3.39
West Dinajpur	17	20	20	25	26	28	31	33	37	39	45	46	46	46	8.05
Coochbehar	25	20	19	24	25	25	30	31	36	37	40	40	40	40	5.95
Jalpaiguri	10	5	7	10	10	10	12	12	13	17	19	20	20	20	9.15
Darjeeling	5	1	-	-	-	1	1	1	1	2	4	6	6	6	9.53
West Bengal	1280	1290	1185	1239	1296	1346	1399	1510	1623	1722	1814	1892	1900	1901	4.03

Source: As in Table 5.20

Table 5.25 Number of Handloom Weavers Cooperative Societies in Districts of West Bengal, 1997-98 to 2005-06

District	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	AGR (%)
Howrah	25	25	25	27	27	27	28	28	28	1.50
North 24th Parganas	234	234	234	234	234	234	234	234	234	0.00
South 24th Parganas	58	58	58	58	58	58	58	58	58	0.00
Hooghly	104	104	104	105	105	105	105	105	105	0.12
Burdwan	184	184	184	184	184	184	184	184	184	0.00
Bankura	132	132	132	132	132	132	132	132	132	0.00
Purulia	64	64	64	66	66	66	67	67	67	0.59
Nadia	432	432	432	434	434	434	434	434	434	0.06
Purba Medinipur	301	301	301	301	301	301	301	301	301	0.00
Paschim Medinipur	117	117	117	117	117	117	117	117	117	0.00
Murshidabad	194	194	194	194	194	194	194	194	194	0.00
Birbhum	108	108	108	110	110	110	110	110	104	-0.46
Maldah	80	80	80	80	80	80	81	81	81	0.16
West Dinajpur	54	54	54	55	55	55	56	56	63	2.08
Coochbehar	55	55	55	57	57	57	58	58	58	0.68
Jalpaiguri	39	39	39	40	40	40	41	43	43	1.28
Darjeeling	9	9	9	9	9	9	9	9	9	0.00
West Bengal	2171	2190	2190	2203	2203	2203	2209	2211	2212	0.24

Source: As in Table 5.20

Table 5.26 Number of Active Handloom Weavers' Cooperative Societies in Districts of West Bengal, 1983-1993

District	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	Annual growth rate (%)
Howrah	20	20	20	20	22	24	27	29	30	30	30	5.28
24-Parganas	145	150	153	158	168	178	184	190	198	200	201	3.6
Hooghly	62	66	71	73	78	83	87	93	94	94	94	4.48
Burdwan	101	114	113	147	154	157	161	168	168	168	168	5.08
Bankura	33	35	37	37	38	41	44	49	50	50	50	4.65
Purulia	20	20	21	21	22	23	24	26	27	27	27	3.61
Nadia	160	174	183	205	228	251	280	307	323	327	327	8.01
Undivided Medinipur	72	81	88	96	108	124	138	162	192	193	193	10.9
Murshidabad	72	81	97	108	121	132	146	159	167	167	167	8.81
Birbhum	36	39	40	45	48	53	60	67	73	73	73	8.06
Maldah	32	32	32	34	38	43	49	56	58	59	59	7.76
Dinajpur	13	14	16	19	21	24	26	32	33	33	33	10.5
Coochbehar	16	17	19	24	25	28	29	32	32	32	32	7.53
Jalpaiguri	3	3	3	5	5	6	7	9	10	10	10	14.5
Darjeeling	-	-	-	-	1	1	2	3	4	4	4	27.2
West Bengal	785	846	914	993	1077	1168	1264	1382	1459	1467	1468	6.87

Table 5.26 (continued)

District	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	Annual growth rate (%)
Howrah	13	13	12	12	9	9	-8.41
24th Parganas	57	57	56	55	54	52	-1.83
Hooghly	54	54	53	52	43	40	-6.29
Burdwan	86	85	82	78	72	68	-4.92
Bankura	46	45	45	44	30	26	-11.7
Purulia	14	14	13	13	13	11	-4.08
Nadia	135	133	127	123	103	103	-6.15
Undivided Medinipur	123	122	120	119	112	112	-2.1
Murshidabad	96	95	94	92	82	82	-3.57
Birbhum	52	51	49	48	46	42	-3.99
Maldah	3	3	2	2	2	2	-9.27
Dinajpur	28	27	27	26	24	21	-5.23
Coochbehar	16	16	15	15	12	11	-7.82
Jalpaiguri	14	14	12	11	9	11	-7.48
Darjeeling	2	2	2	2	2	2	-
West Bengal	739	731	709	692	613	592	-4.75

Source: As Table 5.20

Table 5.27 Number of Looms under Active Handloom Weavers' Cooperative Societies in Districts of West Bengal, 1982-83 to 2005-06

District	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	SGR	2004-05	2005-06
Howrah	1442	1498	1498	1510	1675	1779	2030	5.83	2085	2259
24-Parganas	13582	13727	14035	14377	14959	15945	16877	3.47	3802N	3849N
Hooghly	7994	8172	8448	8923	9440	9940	10542	4.55	7142	6880
Burdwan	10772	11614	12303	15902	16915	17376	17632	9.10	14610	13682
Bankura	6382	6382	6537	5202	5203	5266	5582	-1.79	5592	5280
Purulia	-	2203	2225	2275	2435	2516	2568	2.37	1683	1550
Nadia	13265	14615	15476	16566	18638	20677	23060	10.55	14694	14694
Undivided Medinipur	8640	9472	10061	11416	12329	13453	15244	10.92	11468E 3755W	11580E 3755W
Murshidabad	5235	5582	6140	7334	7916	8630	9663	12.08	9083	9083
Birbhum	3127	3240	3416	3531	3725	3934	4300	5.36	5035	4635
Maldah	5171	5171	5171	5065	5275	5531	5971	2.21	527	527
West Dinajpur	1018	1119	1219	1221	1397	1511	1837	11.49	1935	1863
Coochbehar	1550	1736	1817	2205	2806	2856	3351	16.60	2079	1986
Jalpaiguri	154	154	154	154	260	367	260	9.83	912	937
Darjeeling	-	-	-	27	27	27	27	-	49	32
West Bengal	78332	84685	88500	95708	103000	109808	118944	7.41	85008	83149

Source: As in Table 5.20

Table 5.28 Production of Sericulture Industry in Districts of West Bengal, 2005-06

District	Cocoons production				Value of production (thousand rupees)			
	Mulberry (MT)	Tasar (thousand kahan)	Eri (thousand kahan)	Muga (thousand kahan)	Mulberry	Tasar	Eri	Muga
Burdwan	0.053	161.8	-	-	3.8	129	-	-
Birbhum	1940	885	-	-	195765	850	-	-
Bankura	1.443	10.04	-	-	184.776	8032.396	-	-
Purba Medinipur	-	-	-	-	-	-	-	-
Paschim Medinipur	761.23(Qtls)	5174	2kg	-	6089.8	4656.6	0.5	-
Howrah	-	-	-	-	-	-	-	-
Hooghly	-	-	-	-	-	-	-	-
North 24 -Parganas	0.034	-	-	-	34	-	-	-
South 24-Parganas	0.388	-	16 kg	-	93.204	-	40000	-
Nadia	165.03	-	-	-	14853	-	-	-
Murshidabad	1792969	-	-	-	172125	-	-	-
Uttar Dinajpur	71.29	-	-	-	6059.7	-	-	-
Dakshin Dinajpur	1.242	-	-	-	141.65	-	-	-
Maldah	7632 (Thousand Kahan)	-	-	-	862.4	-	-	-
Jalpaiguri	48	-	7.1	0.96	1807	-	2465	592
Darjeeling	6.208	-	-	-	949.063	-	-	-
Coochbehar	4.944	-	-	1.152	457.15	-	-	515.744
Purulia	0.671	6.304	-		114.47	5043.2	-	-

Source: Deputy Director of Sericulture, Government of West Bengal

Chapter 6

INFRASRUCTURE IN DISTRICTS OF WEST BENGAL

Literally speaking, infrastructure is essentially a flow of service emerging from a certain stock of facilities created over a length of time. On the basis of nature of service provided, infrastructure is broadly divided into two types: physical and social. In this section the database on development of physical infrastructure available at the district level is presented. Indicators considered for this section are proportion of villages electrified, per unit consumption of electricity, availability of post and telegraph office, bank branch network and road density (taking both surfaced and unsurfaced roads). These indicators are selected mainly for having direct impact on the quality of life of the common masses. Though irrigation is an important component of physical infrastructure, yet for logical continuity it has been kept in the section dealing with agriculture sector.

Infrastructure development is an important pre-condition for integrated rural development. Rural Infrastructure Development Fund (RIDF) launched by the Government of India in 1995-96 supplements the investment made by the State Government by providing loan from NABARD for development of the rural infrastructure.

This chapter presents the database of economic and social infrastructures like transport and communication, power, finance, education and health. Section 6.1 deals with database of transport and communications, section 6.2 power, section 6.3 banking and finance, section 6.4 education and section 6.5 health.

6.1 Transport and Communications

In West Bengal, the road network in the rural areas is developed and maintained by Public Works Department and panchayats including zilla parishads. The road network is broadly divided into two categories - surfaced roads and unsurfaced roads where surfaced roads indicate metalled roads and unsurfaced roads mean all weather roads. Public Works Department normally does not take up the works related with unsurfaced road. This type of road is taken care of by zilla parisads and other panchayat bodies at the sub-district level. Postal services have broad network throughout the country. For communication purposes it is easy to access and the cheapest form available to the majority of the population irrespective of their location. Though alternative mode of communication is in the market poor people's access to those services is very much limited. This creates a digital divide between the haves and the have-nots. For this reason, in this study only number of post and telegraph offices is presented.

During 1980 to 2008 all the districts of West Bengal except Howrah, Darjeeling and Coochbehar districts of the State recorded increase in road length maintained by P.W.D. The highest growth rate was registered in Burdwan district followed by Birbhum. During 2008 undivided Medinipur district had the largest road length maintained by PWD followed by Burdwan and 24-Parganas. Road length per 1000 sq. km. maintained by PWD recorded increase during 1980-81 to 2007-08 in all districts except Howrah, Dakshin Dinajpur, Coochbehar and Jalpaiguri. The growth rate of the same was highest in West Dinajpur followed by Burdwan. During 1995-96 to 2005-06 all the districts of West Bengal recorded increase in proportion of surfaced roads except Birbhum, Purba Medinipur and Paschim Medinipur, Maldah and Purulia districts of West Bengal. The highest increase was registered in Howrah district. During 2000-01 to 2005-06 all the districts of West Bengal recorded increase in roads density except Purulia. During 2005-06 Purba Medinipur district had the highest proportion (68.10 per cent) of surfaced roads to total roads, followed by Nadia district (66.62 per cent), the lowest proportion being registered in Coochbehar district (19.78 per cent). In 2006, Burdwan district recorded the largest number of registered motor vehicles followed by Hooghly, the smallest number being registered in Dakshin Dinajpur while the number of goods vehicle was largest in North 24-Parganas followed by Burdwan, the smallest number being registered in Dakshin Dinajpur. In case of motor car and jeep, Darjeeling district recorded the largest number followed by South 24-Parganas, the smallest number being registered in Dakshin Dinajpur. In 2005-06, number of tourists staying in tourist lodges was largest in Purba Medinipur followed by Jalapiguri the smallest number being registered in Uttar Dinajpur. Number of tourist lodges was largest in Jalpaiguri followed by Purba Medinipur and Darjeeling. Total earning was largest in Darjeeling district followed by Jalpaiguri, the smallest amount being registered in Coochbehar. Districtwise important tourist spots with distance from Kolkata and

number of beds in lodges maintained by different Government Departments as on 30.9.2007 are shown in Appendix Table A 5. Number of post and telegraph offices registered marginal increase during 2001 to 2006 and there was considerable variation across districts in the districts (Table 6.1 to Table 6.8).

Table 6.1 Length of Roads Maintained by Public Works (Roads) Department in Districts of West Bengal, 1980 to 2008 (As on 31st March) (Kms)

Year	Burdwan	Birbhum	Bankura	Medinipur	Howrah	Hooghly	24-Parganas	North 24-Parganas
1980	1496	916	1076	1792	575	1086	2465	NA
1990	1777	854	1205	2222	535	1121	2357	NA
1995	1939	995	1076	2017	540	1101	2396	NA
1996	1939	995	1076	2017	540	1101	2396	NA
1997	2014	1120	1080	2030	624	1245	2618	NA
1999	1938	995	1076	2019	540	1100	2396	NA
2000	1966	995	1076	2019	540	1137	2396	NA
2001	1966	995	1076	2019	540	1137	2396	NA
2002	1993	1046	1165	2110	544	1184	2565	NA
2003	1993	1046	1165	2110	544	1184	2565	NA
2004	1942	1177	1186	2089	537	1184	2561	1344
2005	1942	1177	1186	2089	538	1184	2559	1344
2006	1942	1177	1186	2089	538	1184	2559	1344
2007	1952	1187	1192	2101	542	1195	2587	1363
2008	1964	1193	1197	2112	546	1201	2601	1371
Rank 2008	2	9	8	1	16	7	-	3
AGR (%)	1.16	1.12	0.42	0.66	-0.19	0.39	0.20	0.67

Table 6.1 (continued)

Year	South 24-Parganas	Kolkata	Nadia	Murshidabad	West Dinajpur	Uttar Dinajpur	Dakshin Dinajpur	Maldah	Jalpaiguri	Darjeeling	Coochbehar	Purulia	West Bengal
1980	NA	-	896	989	864	-	-	610	1091	872	1391	677	16818
1990	NA	-	939	1219	974	-	-	636	1313	799	1027	762	17740
1995	NA	-	974	1184	905	-	-	608	1283	531	1028	809	17370
1997	NA	-	974	1184	905	-	-	608	1283	531	1028	809	17386
1999	NA	-	918	1384	907	-	-	749	1305	605	862	999	18523
2000	NA	-	973	1184	906	-	-	610	1296	486	1028	810	17357
2001	NA	-	973	1184	906	-	-	609	1296	486	1028	810	17421
2002	NA	-	973	1184	906	-	-	609	1296	486	1028	810	17421
2002	NA	-	983	1208	1086	664	422	628	1296	615	761	812	17996
2003	NA	-	1011	1220	1086	-	-	683	1296	615	761	812	18091
2004	1217	20	1005	1220	1026	658	368	700	1254	616	799	849	18167
2005	1215	20	1005	1224	1028	660	368	708	1256	643	808	849	18216
2006	1215	20	1005	1224	1028	660	368	708	1256	643	808	849	18216
2007	1224	20	1015	1233	1036	665	371	714	1260	645	813	853	18345
2008	1230	20	1019	1239	1043	669	374	717	1266	648	817	857	18440
Rank 2008	6	18	10	5	-	14	17	13	4	15	12	11	-
AGR (%)	0.36	0.00	0.51	0.94	0.77	0.13	-1.90	0.65	0.59	-0.95	-1.53	0.98	0.36

Source: Public Works (Roads) Department, Government of West Bengal.
Note: AGR = Annual average growth rate

Table 6.2 Road Length Per Thousand Square Km. Maintained by P.W.D. in Districts of West Bengal, 1980-81 to 2007-08 (Km.)

Year	Burdwan	Birbhum	Bankura	Midnapore	Howrah	Hooghly	24-Parganas	Nadia
1980-81	213	206	157	127	392	345	174	228
1981-82	220	206	157	127	392	345	176	228
1982-83	228	206	157	127	392	363	172	228
1983-84	235	198	162	136	380	359	169	229
1984-85	242	194	167	145	367	356	166	230
1985-86	249	187	172	154	355	351	163	231
1986-87	250	188	174	155	360	353	163	231
1987-88	251	188	174	156	361	354	165	235
1988-89	252	189	175	156	362	355	165	239
1989-90	253	191	175	158	364	355	166	239
1990-91	252	192	175	158	364	356	167	239
1991-92	253	193	175	158	365	356	167	240
1992-93	253	193	175	158	367	356	168	240
1993-94	254	193	176	158	367	356	168	240
1994-95	276	223	156	143	368	346	169	248
1995-96	276	224	156	143	368	346	169	248
1996-97	276	224	156	143	368	346	169	248
1997-98	276	219	156	143	368	346	170	248
1998-99	276	219	156	143	368	346	170	248
1999-00	276	219	156	143	368	361	170	248
2000-01	276	219	156	143	368	361	170	248
2001-02	283	230	169	149	371	375	182	251
2002-03	283	230	169	149	371	375	182	257
2003-04	284	230	169	150	371	376	183	257
2004-05	276	259	172	148	366	376	0	256
2005-06	276	259	172	148	367	376	0	256
2006-07	276	259	172	148	367	376	0	256
2007-08	278	261	173	149	369	379	0	258

Table 6.2 (continued)

Year	Murshidabad	West Dinajpur	Uttar Dinajpur	South Dinajpur	Maldah	Darjeeling	Coochbehar	Jalpaiguri	Purulia
1980-81	186	148	NA	NA	163	174	277	411	100
1981-82	186	148	NA	NA	173	175	277	426	126
1982-83	186	154	NA	NA	173	175	271	426	126
1983-84	199	157	NA	NA	171	191	264	384	123
1984-85	276	161	NA	NA	170	198	259	342	199
1985-86	224	165	NA	NA	169	209	252	300	116
1986-87	227	165	NA	NA	169	210	253	301	119
1987-88	227	165	NA	NA	169	211	253	303	119
1988-89	228	166	NA	NA	170	211	253	303	121
1989-90	228	166	NA	NA	170	211	253	303	121
1990-91	229	166	NA	NA	170	211	253	303	121

Table 6.2 (continued)

Year	Murshidabad	West Dinajpur	Uttar Dinajpur	South Dinajpur	Maldah	Darjeeling	Coochbehar	Jalpaiguri	Purulia
1991-92	230	167	NA	NA	170	211	253	303	122
1992-93	231	167	NA	NA	170	211	253	303	123
1993-94	231	167	NA	NA	170	211	253	303	123
1994-95	222	154	NA	NA	163	206	169	303	129
1995-96	222	154	NA	NA	163	206	169	303	129
1996-97	222	154	NA	NA	163	206	169	303	129
1997-98	222	169	NA	NA	163	208	154	303	129
1998-99	222	169	NA	NA	163	208	154	303	129
1999-00	222	169	NA	NA	163	208	154	303	129
2000-01	222	169	NA	NA	163	208	154	303	129
2001-02	226	203	NA	NA	168	208	195	225	130
2002-03	229	203	NA	NA	183	208	195	225	130
2003-04	229	NA	346	0	183	195	225	206	130
2004-05	229	NA	210	166	188	196	236	200	136
2005-06	230	NA	210	166	198	204	239	200	136
2006-07	230	NA	210	166	198	204	239	200	136
2007-08	232	NA	212	167	191	205	240	201	136

Source: As in Table 6.1

Table 6.3 Length of Roads Maintained by P.W.D. and Panchayats including Zilla Parishad in Districts of West Bengal, 2001-02 to 2005-06 (Kms)

Districts	2001-02			2002-03			2003-04		
	Total surfaced road	Total unsurfaced road	Total road	Total surfaced road	Total unsurfaced road	Total road	Total surfaced road	Total unsurfaced road	Total road
Burdwan	7905	5228	13133	8044	5205	13249	8258	4964	13222
Birbhum	2372	1107	3479	2413	4674	7087	2588	5182	7770
Bankura	1849	6836	8685	1947	6917	8864	1979	7152	9131
Purba Medinipur	8636	3154	11790	8821	3240	12061	8981	3147	12128
Paschim Medinipur	8844	6354	15198	9218	7239	16457	9624	8701	18325
Howrah	2861	3386	6247	2888	3876	6764	3672	3016	6688
Hooghly	3847	5252	9099	3913	5293	9206	4015	4956	8971
North 24-Parganas	6000	4216	10216	6706	6249	12955	8088	6486	14574
South 24-Parganas	5085	9867	14952	5499	9595	15094	6910	12158	19068
Nadia	5047	2690	7737	4957	2611	7568	2106	145	2251
Murshidabad	3983	6153	10136	4282	5567	9849	4484	5490	9974
Uttar Dinajpur	1514	3336	4850	1559	3354	4913	1575	3383	4958
Dakshin Dinajpur	1213	3033	4246	1351	2927	4278	1424	2953	4377
Maldah	1409	557	1966	1505	515	2020	1607	491	2098
Jalpaiguri	2804	3842	6646	2897	3794	6691	2930	3757	6687
Darjeeling	1664	1967	3631	1718	1923	3641	1813	1907	3720
Coochbehar	1235	1392	2627	1150	1110	2260	1684	2144	3828
Purulia	3121	4647	7768	2254	4361	6615	2496	4214	6710

Table 6.3 (continued)

Districts	2004-05			2005-06			Population 2001	Area (Sq. km)
	Total surfaced road	Total unsurfaced road	Total road	Total surfaced road	Total unsurfaced road	Total road		
Burdwan	8470	5031	13501	9133	4832	13965	6895514	7024
Birbhum	2616	5072	7688	2642	5369	8011	3015422	4545
Bankura	2044	7514	9558	2070	7798	9868	3192695	6882
Purba Medinipur	9194	3534	12728	9780	4581	14361	4417377	4295
Paschim Medinipur	5572	13844	19416	7111	15011	22122	5193411	9786
Howrah	3693	3007	6700	3695	3006	6701	4273099	1467
Hooghly	3916	5058	8974	5359	7337	12696	5041976	3149
North 24-Parganas	8713	6487	15200	9648	6631	16279	8934286	4094
South 24-Parganas	7781	11946	19727	9959	14565	24524	6906689	9960
Nadia	5143	2568	7711	5254	2632	7886	4604827	3927
Murshidabad	4668	5599	10267	4742	5429	10171	5866569	5324
Uttar Dinajpur	1670	3505	5175	1730	4938	6668	2441794	3140
Dakshin Dinajpur	1435	3039	4474	1559	3677	5236	1503178	2219
Maldah	2448	3751	6199	2496	3794	6290	3290468	3733
Jalpaiguri	3011	3678	6689	3272	3420	6692	3401173	6227
Darjeeling	1880	1843	3723	1939	1788	3727	1609172	3149
Coochbehar	1737	1894	3631	1491	6046	7537	2479155	3389
Purulia	2579	4135	6714	2685	4068	6753	2536516	6259

Source: District Statistical Handbook, Bureau of Applied Economics and Statistics, Government of West Bengal

Table 6.4 Percentage Share of Surfaced Roads to Total Roads in Districts of West Bengal, 2001-02 to 2005-06

Districts	2001-02	2002-03	2003-04	2004-05	2005-06	Rank 2005-06
Burdwan	60.19	60.71	62.46	62.74	65.40	3
Birbhum	68.18	34.05	33.31	34.03	32.98	13
Bankura	21.29	21.97	21.67	21.39	20.98	17
Purba Medinipur	73.25	73.14	74.05	72.23	68.10	1
Paschim Medinipur	58.19	56.01	52.52	28.70	32.14	14
Howrah	45.80	42.70	54.90	55.12	55.14	5
Hooghly	42.28	42.50	44.76	43.64	42.21	9
North 24-Parganas	58.73	51.76	55.50	57.32	59.27	4
South 24-Parganas	34.01	36.43	36.24	39.44	40.61	10
Nadia	65.23	65.50	93.56	66.70	66.62	2
Murshidabad	39.30	43.48	44.96	45.47	46.62	8
Uttar Dinajpur	31.22	31.73	31.77	32.27	25.94	16
Dakshin Dinajpur	28.57	31.58	32.53	32.07	29.77	15
Maldah	71.67	74.50	76.60	39.49	39.68	12
Jalpaiguri	42.19	43.30	43.82	45.01	48.89	7
Darjeeling	45.83	47.18	48.74	50.50	52.03	6
Coochbehar	47.01	50.88	43.99	47.84	19.78	18
Purulia	49.86	34.07	37.20	38.41	39.76	11

Source: As in Table 6.3.

Table 6.5 Total Road Density (per 1000 sq. km.) in Districts of West Bengal, 2001-02 to 2005-06 **(**Km.)

Districts	2001-02	2002-03	2003-04	2004-05	2005-06	Rank	AGR (%)
Burdwan	1869.732	1886.247	1882.403	1922.124	1988.183	11	1.58
Birbhum	765.4565	1559.296	1709.571	1691.529	1762.596	13	32.57
Bankura	1261.988	1287.998	1326.795	1388.84	1433.885	15	3.41
Purba Medinipur	2745.052	2808.149	2823.749	2963.446	3343.655	4	5.45
Paschim Medinipur	1553.035	1681.688	1872.573	1984.059	2260.576	7	11.39
Howrah	4258.35	4610.77	4558.964	4567.144	4567.825	1	1.82
Hooghly	2889.489	2923.468	2848.841	2849.794	4031.756	2	9.88
North 24-Parganas	2495.359	3164.387	3559.844	3712.75	3976.307	3	14.84
South 24-Parganas	1501.205	1515.462	1914.458	1980.622	2462.249	5	16.00
Nadia	1970.206	1927.171	573.2111	1963.585	2008.149	10	0.48
Murshidabad	1903.832	1849.925	1873.403	1928.437	1910.406	12	0.09
Uttar Dinajpur	1544.586	1564.65	1578.981	1648.089	2123.567	9	9.37
Dakshin Dinajpur	1913.475	1927.895	1972.51	2016.224	2359.621	6	5.83
Maldah	526.6542	541.1197	562.0145	1660.595	1684.972	14	54.98
Jalpaiguri	1067.288	1074.514	1073.872	1074.193	1074.675	18	0.17
Darjeeling	1153.064	1156.24	1181.327	1182.28	1183.55	16	0.66
Coochbehar	775.1549	666.8634	1129.537	1071.407	2223.96	8	46.73
Purulia	1241.093	1056.878	1072.056	1072.695	1078.926	17	-3.27

Source: As in Table 6.3.

Table 6.6 Number of Registered Motor Vehicles in Districts of West Bengal, 2006 (as on 31st March)

District	Goods vechiles	Motor car & jeep	Motor cycle & scooter	Taxi & contact carriage	Auto rickshaw	Mini bus	Stage carriage	Tractor & Trailor	Others	Total
Burdwan	26977	23852	401729	2219	540	1185	1789	14421	3934	476646
Birbhum	4325	941	41137	760	199	108	557	5418	432	53877
Bankura	3822	1814	46406	635	206	148	1121	2248	980	57380
Purba Medinipur	3553	1264	37132	899		27	567	379	1103	44924
Paschim Medinipur	8148	6156	122978	404	394	41	848	2832	1107	142908
Howrah	20129	14657	128911	848	1039	1563	2194	618	1044	171003
Hooghly	17264	14739	192783	853	4919	229	3299	2744	891	237721
North 24 -Parganas	49029	22852	106904	3963	4864	635	3436	1033	3037	195753
South 24-Parganas	12555	35248	97325	5044	10387	164	3454	70	520	164767
Nadia	4852	4716	49086	444	679	52	849	4322	976	65976
Murshidabad	4046	3445	92514	666	248	91	597	5589	677	107873
Uttar Dinajpur	2952	2032	27951	1480	130	145	132	3711	64	38597
Dakshin Dinajpur	788	1120	9169	475	73	128	239	1029	185	13206
Maldah	4146	2763	48906	1591	282	91	239	3183	638	61839
Jalpaiguri	4362	3481	33971	923	310	118	410	2639	118	46332
Darjeeling	8876	40371	86945	7220	1183	1100	1554	1371	1020	149640
Coochbehar	1872	3744	26923	715	100	215	2304	349	207	36429
Purulia	2250	1737	44314	894	449	115	474	1173	72	51478
West Bengal	179946	184932	1595084	30033	26002	6155	24063	53129	17005	2116349

Source: District Statistical Handbook, Govt. of West Bengal

Table 6.7 Aspects of Tourism in Districts of West Bengal, 2005-06

District	No. of vehicles*	No. of trips conducted	No. of tourist carried	No. of tourist staying in tourist lodges	No. of tourist lodges(govt.)	Total earning ('000 Rs)
Burdwan	-	-	-	13087	5	5816
Birbhum	36	224	11325	19872	4	3607
Bankura	-	-	-	7273	6	1456
Purba Medinipur	142	1320	66000	135000	7	2585
Paschim Medinipur	56	109	5600	2377	1	541
Howrah	-	-	-	4735	1	2400
Hooghly	-	-	-	3512	1	650
North 24 -Parganas	-	-	-	34035	3	254
South 24-Parganas	4	110	3667	16482	3	11568
Nadia	-	-	-	9513	5	905
Murshidabad	-	-	-	7266	2	1318
Uttar Dinajpur	-	-	-	1028	1	1054
Dakshin Dinajpur	-	-	-	-	-	-
Maldah	-	-	-	3700	2	3492
Jalpaiguri	1705	1287	12890	21452	10	12206
Darjeeling	4	103	1985	13397	7	13705
Coochbehar	-	-	-	1248	4	190
Purulia	53	848	6676	5122	10	1052
West Bengal	2000	4001	108143	299099	72	62798

Source: Deputy Director of Tourism, West Bengal and West Bengal Tourism Development Corporation Ltd

Table 6.8 Post and Telegraph Office in Districts of West Bengal, 1996-97 to 2006-07

District	1996-97	1997-98	1998-99	1999-2000	2000-01	2002-03	2004-05	2006-07	Rank 2006-07
Burdwan	754	763	765	766	766	764	770	770	3
Birbhum	451	467	471	476	476	476	477	477	9
Bankura	464	478	478	479	479	483	485	485	8
Undevided Medinipur	1383	1404	1409	1415	1415	1417	1420	1420	1
Howrah	340	345	345	345	345	345	345	345	12
Hooghly	499	504	506	507	507	506	506	506	7
North 24-Parganas	640	625	626	631	631	631	636	636	5
South 24-Parganas	793	779	729	730	730	781	783	783	2
Kolkata	237	275	275	278	281	-	-	263	15
Nadia	446	452	454	455	455	455	458	458	10
Murshidabad	545	554	558	561	561	568	574	576	6
Uttar Dinajpur	204	204	204	204	204	203	205	205	17
DakshinDnajpur	164	164	164	166	166	168	168	168	18
Maldah	325	325	326	328	358	333	334	334	13
Jalpaiguri	180	291	296	298	298	300	301	301	14
Darjeeling	208	215	216	218	218	217	220	220	16
Cooch Behar	349	355	357	359	359	360	361	361	11
Purulia	432	430	435	438	438	442	443	743	4
West Bengal	8414	8630	8614	8654	8687	8449	8486	9051	-

Table 6.8 (continued)

District	Post and telegraph Number of departmental telegraph offices		Number of combined offices		Number of post offices Per lakh of population	
	As on 31.3.07	As on 31.3.08	As on 31.3.07	As on 31.3.08	As on 31.3.07	As on 31.3.08
Burdwan	6	4	223	64	11	9
Birbhum	2	2	114	16	16	15
Bankura	2	1	141	23	15	15
Purba Medinipur	4*	1	230*	86*	16*	17*
Paschim Medinipur		2				
Howrah	3	2	68	20	8	8
Hooghly	4	2	95	49	10	10
North 24-Parganas	2	2	109	5	7	8
South 24-Parganas	1	-	105	9	11	12
Kolkata	20	9	86	7	6	5
Nadia	2	2	119	6	10	9
Murshidabad	1	1	143	22	10	10
Uttar Dinajpur	1	1	37	14	8	9
Dakshin Dnajpur	1	1	32	-	11	-
Maldah	1	1	80	15	10	10
Jalpaiguri	3	1	90	25	9	9
Darjeeling	2	2	85	35	14	10
Cooch Behar	1	1	89	18	15	14
Purulia	1	1	80	19	17	18
West Bengal	57	36	1926	433	10	10

Source: District Statistical Handbook, Government of West Bengal
Note * = Undivided Medinipur

Table 6.9 Traffic Handled in Principal Commodities at Kolkata Port, 2006-07 and 2007-08 (in thousand tonnes)

Commodity	2006-2007	2007-2008	Commodity	2006-2007	2007-2008
Import :			Export :		
1. Fertiliser(Finished)	428	359	1. Thermal Coal	2443	1797
2. Fertiliser (Raw Materials)	394	378	2. Jute & Jute Products	209	253
3. Wheat	75	-	3. Tea	105	109
4. Rice	6	10	4. Iron Ore	8539	10328
5. Sugar	6	3	5. Iron & Steel	1012	1021
6. Salt	5	-	6. Machinery	34	33
7. Newsprint / Paper	166	215	7. C.I. Goods	179	175
8 Coking Coal	5439	5476	8. Pig Iron	38	92
9. Metallurgical Coke	1048	943	9. Mica	69	77
10. Raw Petroleum Coke	119	39	10. Shellac	6	5
11. Non-Coking Coal	779	1011	11. Metal & Metal Products	133	217
12. Other Coal	55	-	12. Scrap Iron	1	-
13. Limestone	446	495	13. Mill Scale	32	156
14. Iron & Steel	429	493	14. Wheat	-	2
15. Machinery	260	387	15. Rice	3	9
16. Metal & Metal Products	163	301	16. Sugar	-	13
17. Scrap	119	151	17. Fly Ash	697	841
18. Timber	490	755	18. Granite	-	9
19. Pulses / Peas	1108	1366	19. Ferro-Chrome	96	143
20. Rape Seed	7	-	20. Chromium Ore	1	6

Table 6.9 (continued)

Commodity	2006-2007	2007-2008	Commodity	2006-2007	2007-2008
Import :			Export :		
21. Soda Ash	49	94	21. Granulated Slag	12	36
22. Ammonium Nitrate	19	29	22. Cement Clinker	2	-
23. Manganese Ore	204	228	23. Project Cargo	7	1
24. Iron Ore	2	1	24. Other Liquid Cargo	243	179
25. Bauxite	-	1	25. Other Cargo	1497	1271
26. Bitumen	11	17	26. General Cargo	1340	1588
27. Coal Tar Pitch	65	11	27. Inland Vessels Wharves (IVW) Traffic	67	93
28. Cement Clinker	76	2	Total Exports:	16765	18454
29. Ro-Ro	2	4			
30. Project Cargo	56	3			
31. Vegetable Oil	951	1015			
32. Other Liquid Cargo	1313	1267			
33. LPG	458	585	Grand Total of Import & Export:	55050	57329
34. Other Cargo	21280	20390			
35. General Cargo	2234	2823			
36. Inland Vessels Wharves (IVW) Traffic	23	23			
Total Imports:	38285	38875			

Source: Kolkata Port Trust

6.2 Power

In the words of National Human Development Report, 2001, "access to electricity is a basic amenity in today's context". Power is very important ingredient for expansion of the industrial sector. During 1991 to 2007 all the districts of West Bengal recorded increase in number of villages electrified. The largest increase was registered in Medinipur district followed by Bankura district and the smallest increase in Maldah district. Percentage of villages electrified recorded significant increase in districts of West Bengal during 1991 to 2007. Howrah, Hooghly and Nadia districts were fully electrified while Paschim Medinipur district had the lowest percentage (71.0 per cent) villages electrified in 2007, the other two districts below the State average (90.70 per cent) being Darjeeling (86.5 per cent) and Purulia (86.20 per cent) (Table 6.10 &Table 6.11).

In 2005-06, North Dinajpur district recorded the largest consumption of electricity followed by Paschim Medinipur and Burdwan, the smallest consumption being registered in Dakshin Dinajpur district. But the rate of growth of consumption of electricity during 2001-02 to 2005-06 was highest in Purulia followed by Dakshin Dinajpur, the lowest rate of growth being registered in Bankura (Table 6.12). During 2005-06 districts of West Bengal barring Purba Medinipur and Paschim Medinipu recorded domestic consumption larger than industrial consumption etc. while commercial consumption of electricity in Darjeeling and Jalpaiguri was larger than industrial consumption. Per capita consumption of electricity indicates the access and use of electricity. During 2005-06 among the rural 18 districts Darjeeling recorded the highest per capita consumption of electricity followed by Paschim Medinipur, the lowest per capita consumption being registered in Coochbehar. But annual growth of per capita consumption during 2001-02 to 2005-06 was highest in Purulia district followed by Dakshin Dinajpur district, the lowest growth being registered in Purba Medinipur district (Table 6.13 & Table 6.14). In 2001 Kolkata district had the highest percentage of households electrified (94.90 percent), while Coochbehar district had the lowest percentage of households electrified (12.81 percent) led by Purulia district (19.33 percent). Coochbehar district had 6.20 per cent of SC households electrified while Purulia district had 13.90 per cent of SC households and 4.21 per cent of ST households electrified (Table 6.15).

Table 6.10 Number of Villages Electrified in Districts of West Bengal, 1991 to 2007

District	2000	2001	2002	2003	2004	2005	2006	2007	Rank	AGR (%)
Burdwan	2441	2380	2387	2401	2405	2443	2452	2463	3	0.13
Birbhum	2213	2217	2230	2230	2230	2222	2223	2224	5	0.07
Bankura	2412	2470	2561	2687	2748	2822	2873	3250	2	4.96
Undivided Medinipur	5567	5572	6127	6582	6751	6961	7065	7769	-	5.65
Purba Medinipur	-	-	-	-	1999	2047	2097	2392	4	6.55
Paschim Medinipur	-	-	-	-	4752	4914	4968	5377	1	4.38
Howrah	755	734	734	734	734	734	734	734	16	-0.40
Hooghly	1897	1897	1897	1897	1897	1897	1897	1897	8	0.00
North 24-Parganas	1528	1506	1536	1546	1548	1548	1553	1592	11	0.60
South 24-Parganas	1786	1808	1915	1968	1979	2052	2006	2007	7	1.77
Nadia	1254	1248	1248	1248	1248	1248	1248	1248	14	-0.07
Murshidabad	1794	1794	1800	1822	1829	1834	1845	1865	9	0.57
Uttar Dinajpur	1247	1250	1259	1283	1308	1346	1403	1473	13	2.59
Dakshin Dinajpur	1149	1154	1176	1209	1226	1244	1283	1474	12	4.04
Maldah	1596	1597	1605	1610	1612	1599	1601	1603	10	0.06
Jalpaiguri	725	732	734	734	733	731	732	732	17	0.14
Darjeeling	524	539	540	552	555	527	529	536	18	0.33
Coochbehar	1118	1121	1122	1124	1124	1120	1120	1120	15	0.03
Purulia	1567	1577	1630	1740	1778	1862	1892	2118	6	5.02
West Bengal	29574	29596	30501	31367	31705	32190	32709	34388	-	2.33

Source: Government of West Bengal, *Statitical Abstract*, Bureau of Applied Economics and Statistics.
Note: AGR = Annual average rate of growth

Table 6.11 Percentage of Villages Electrified in Districts of West Bengal, 1991 to 2007

District	1991	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Burdwan	95.9	97.8	97.8	98.1	98.1	95.7	95.9	96.5	96.7	98.2	98.6	99.0
Birbhum	99.1	99.1	99.1	99.1	99.1	99.3	99.9	99.9	99.9	99.6	99.6	99.6
Bankura	56.9	66.8	66.9	67.2	67.7	69.3	71.8	75.4	77.1	79.2	80.6	91.2
Undivided Medinipur	43.5	51.7	52.1	52.2	53.2	53.2	58.5	62.8	-	-	-	-
Purba Medinipur	-	-	-	-	-		-	-	67.2	68.8	70.5	80.4
Paschim Medinipur	-	-	-	-	-		-	-	63.4	65.5	66.3	71.4
Howrah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Hooghly	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
North 24-Parganas	92.4	94.0	94.1	94.1	95.5	54.1	96.1	96.7	96.8	96.8	97.1	99.6
South 24-Parganas	80.1	82.0	82.0	83.3	84.3	85.3	90.4	92.9	93.4	96.8	94.7	96.1
Nadia	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Murshidabad	91.8	93.4	93.4	93.4	93.5	93.5	93.8	95.0	95.4	95.6	96.2	97.2
Uttar Dinajpur	76.4	82.4	82.4	82.4	82.5	82.7	83.3	84.9	86.6	89.1	92.9	97.5
Dakshin Dinajpur	-	74.6	74.8	74.8	74.9	75.0	76.7	78.8	79.9	81.1	83.6	96.1
Maldah	97.2	97.3	97.3	97.3	97.3	97.3	97.8	98.1	98.2	97.4	97.6	97.7
Jalpaiguri	98.6	98.8	98.8	98.8	98.8	99.7	100.0	100.0	99.9	99.6	99.7	99.7
Darjeeling	78.7	82.9	83.2	83.2	84.5	86.9	87.1	89.0	89.5	85.0	85.3	86.5
Coochbehar	98.1	98.2	98.2	98.2	98.2	96.4	98.4	98.6	98.6	98.2	98.2	98.2
Purulia	54.7	62.7	62.9	63.8	63.8	64.2	66.4	70.9	72.4	75.8	77.1	86.2
West Bengal	72.8	77.21	77.3	77.6	78.0	78.1	80.5	82.7	83.6	84.9	86.3	90.7

Source: As in Table 6.10

Table 6.12 Consumption of Electricity in Districts of West Bengal, 2001-02 to 2005-0 (thousand K.W.H)

Districts	2001-02	2002-03	2003-04	2004-05	2005-06	AGR (%)	Rank of AGR
Burdwan	471380	564563	600670	638321	686835	11.43	10
Birbhum	220651	232689	196204	228945	217380	-0.37	15
Bankura	250137	172722	120426	277187	221258	-2.89	17
Purba Medinipur	519158	461470	468007	382981	447850	-3.43	18
Paschim Medinipur	521402	484974	526234	638125	701747	8.65	11
Howrah	223930	254471	285109	325639	365522	15.81	4
Hooghly	348705	378110	443292	462196	523051	12.50	7
North 24-Parganas	1164235	1164778	1319916	1420813	1194660	0.65	14
South 24-Parganas	267395	280053	211466	389288	436421	15.80	5
Nadia	550800	422651	418817	620602	522161	-1.30	16
Murshidabad	198672	232748	266581	330131	358448	20.11	3
Uttar Dinajpur	67376	72948	93803	140068	107828	15.01	6
Dakshin Dinajpur	39489	48724	53106	54711	84991	28.81	2
Maldah	115733	143625	153324	160778	175041	12.81	9
Jalpaiguri	154391	170260	187250	192607	206456	8.43	12
Darjeeling	348175	369986	561363	407086	535555	13.45	8
Coochbehar	87859	93163	85292	93189	105099	4.91	13
Purulia	90954	92914	98999	177873	199107	29.73	1

Source: District Statistical Handbook, Government of West Bengal

Table 6.13 Consumption of Electricity by Different Sectors in Districts of West Bengal, 2005-06 (Thousand K.W.H)

Districts	Domestic	Comm-ercial	Industrial	Public Lighting	Agriculture irrigation & dewatering	Public works & sewage pumps	Railway traction & non-traction	Miscell-aneous	Total
Burdwan	352011	73661	220981	7634	24643	7905	-	-	686835
Birbhum	116431	19674	41785	3317	29868	3914	-	2391	217380
Bankura	115718	25795	65832	1110	8060	4743	-	-	221258
Purba Medinipur	130360	59930	151810	2140	31740	17390	54480	-	447850
Paschim Medinipur	166160	76159	279633	4000	54988	10166	107122	3519	701747
Howrah	237132	39416	78247	1500	3320	3963	-	1944	365522
Hooghly	326674	50324	57844	3927	66867	10621	-	6794	523051
North 24 -Parganas	488720	267810	293150	26410	2440	10470	105660	-	1194660
South 24-Parganas	264853	51677	45175	-	421	-	66214	8081	436421
Nadia	236934	45243	52094	6196	172284	5977	884	2549	522161
Murshidabad	212838	27113	42424	5464	67275	3334	-	-	358448
Uttar Dinajpur	51759	14954	23684	-	13252	-	-	4179**	107828
Dakshin Dinajpur	41725	9484	15561	1320	16001	900	-	-	84991
Maldah	94883	16906	24220	2705	30287	2979	-	3061	175041
Jalpaiguri	104400	27750	15125	3931	1692	3487	3400	46671	206456
Darjeeling	331350	157310	28308	4278	433	136	-	13740	535555
Coochbehar	52053	21361	21680	1800	3949	2640	-	1616*	105099
Purulia	65742	24942	73969	1200	330	5407	26003	1514	199107
West Bengal	3389743	1009509	1531522	76932	527850	94032	363763	96059	7089410

Note: *=includes consumption of Government Hospitals & Government-aided Educational Institutions
**=including Public Lighting, Public Works & Sewage Pumps, Railway Traction & Non-Traction
Source: Divisional Engineer, W.B.S.E.B (O & M)

Table 6.14 Per Capita Consumption of Electricity in Districts of West Bengal, 2001-02 to 2000-06

Districts	2001-02	2002-03	2003-04	2004-05	2005-06	Rank 2005-06
Burdwan	68.12	81.59	86.81	92.25	99.26	7
Birbhum	73.24	77.24	65.13	76.00	72.16	10
Bankura	78.37	54.11	37.73	86.84	69.32	11
Purba Medinipur	117.53	104.47	105.95	86.70	101.38	6
Paschim Medinipur	100.40	93.38	101.33	122.87	135.12	2
Howrah	52.39	59.54	66.71	76.19	85.52	8
Hooghly	69.19	75.02	87.95	91.70	103.78	5
North 24-Parganas	130.37	130.43	147.80	159.10	133.78	3
South 24-Parganas	38.70	40.53	30.61	56.34	63.17	12
Nadia	119.64	91.81	90.97	134.80	113.42	4
Murshidabad	33.88	39.69	45.46	56.30	61.13	13
Uttar Dinajpur	27.59	29.87	38.42	57.36	44.16	17
Dakshin Dinajpur	26.28	32.43	35.34	36.41	56.56	15
Maldah	35.18	43.65	46.60	48.87	53.20	16
Jalpaiguri	45.37	50.03	55.02	56.60	60.67	14
Darjeeling	216.81	230.39	349.56	253.49	333.49	1
Coochbehar	35.45	37.59	34.42	37.60	42.41	18
Purulia	35.88	36.65	39.05	70.16	78.54	9

Source: District Statistical Handbook, Government of West Bengal

Table 6.15 Percentage of Households by Caste and Source of Lighting in Districts of West Bengal, 2001

State / District	Percentage of households by source of lighting								
	Total			SC			ST		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
West Bengal									
Electricity	37.45	20.27	79.56	21.96	12.42	62.06	19.03	11.81	66.34
Kerosene	61.90	79.19	19.52	77.36	87.05	36.66	80.27	87.61	32.19
Solar Energy	0.31	0.31	0.31	0.32	0.31	0.36	0.32	0.30	0.42
Other Oil	0.06	0.04	0.10	0.05	0.03	0.12	0.07	0.05	0.18
Any Other	0.13	0.10	0.20	0.15	0.11	0.33	0.15	0.12	0.35
No Lighting	0.15	0.09	0.31	0.16	0.08	0.48	0.17	0.11	0.53
Darjeeling									
Electricity	54.87	42.11	82.45	40.12	31.12	68.75	44.14	36.04	85.14
Kerosene	44.07	56.79	16.57	58.80	67.83	30.04	54.76	62.83	13.85
Solar Energy	0.34	0.33	0.35	0.47	0.48	0.41	0.27	0.27	0.28
Other Oil	0.08	0.08	0.07	0.07	0.07	0.06	0.22	0.26	0.03
Any Other	0.20	0.21	0.16	0.22	0.23	0.16	0.15	0.15	0.11
No Lighting	0.45	0.47	0.40	0.33	0.26	0.57	0.47	0.45	0.58
Jalpaiguri									
Electricity	32.29	23.48	70.61	15.67	10.99	50.35	37.89	36.73	65.87
Kerosene	67.17	76.03	28.62	83.80	88.54	48.60	61.67	62.86	32.95
Solar Energy	0.19	0.17	0.27	0.20	0.17	0.37	0.16	0.16	0.30
Other Oil	0.04	0.03	0.07	0.03	0.03	0.06	0.03	0.02	0.10
Any Other	0.14	0.14	0.16	0.11	0.10	0.19	0.09	0.08	0.30
No Lighting	0.17	0.15	0.27	0.19	0.16	0.43	0.16	0.14	0.48

Table 6.15 (continued)

State / District	Percentage of households by source of lighting								
	Total			SC			ST		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
Coochbehar									
Electricity	12.81	7.36	68.76	6.20	4.51	50.38	16.77	12.01	61.14
Kerosene	86.91	92.44	30.14	93.58	95.31	48.22	82.30	87.29	35.75
Solar Energy	0.15	0.12	0.38	0.13	0.11	0.48	0.27	0.24	0.52
Other Oil	0.08	0.05	0.45	0.07	0.04	0.72	0.60	0.41	0.17
Any Other	0.02	0.01	0.19	0.01	0.01	0.12	0.03	0.04	2.42
No Lighting									
Uttar Dinajpur									
Electricity	14.51	8.08	66.93	10.01	6.79	47.54	4.49	3.09	48.78
Kerosene	85.19	91.66	32.42	89.68	92.97	51.33	95.30	96.73	50.37
Solar Energy	0.15	0.14	0.18	0.15	0.15	0.16	0.09	0.09	0.00
Other Oil	0.03	0.03	0.08	0.02	0.02	0.10	0.04	0.04	0.00
Any Other	0.08	0.07	0.19	0.09	0.05	0.56	0.07	0.05	0.64
No Lighting	0.04	0.02	0.20	0.05	0.03	0.32	0.01	0.01	0.21
Dakshin Dinajpur									
Electricity	19.41	12.98	66.64	9.43	7.05	37.41	3.53	2.59	40.48
Kerosene	80.26	86.74	32.59	90.28	92.73	61.53	96.14	97.10	58.50
Solar Energy	0.22	0.19	0.39	0.19	0.17	0.48	0.25	0.25	0.44
Other Oil	0.04	0.03	0.11	0.02	0.01	0.09	0.03	0.02	0.29
Any Other	0.06	0.04	0.18	0.05	0.03	0.29	0.02	0.02	0.15
No Lighting	0.02	0.01	0.09	0.03	0.01	0.20	0.03	0.02	0.15
Maldah									
Electricity	18.54	14.37	67.31	14.86	12.39	48.03	5.64	4.43	63.54
Kerosene	80.93	85.13	31.75	84.47	87.01	50.73	93.66	94.89	34.75
Solar Energy	0.28	0.28	0.34	0.25	0.24	0.37	0.43	0.41	1.21
Other Oil	0.06	0.06	0.04	0.09	0.09	0.05	0.08	0.09	0
Any Other	0.13	0.13	0.15	0.23	0.24	0.21	0.16	0.16	0.3
No Lighting	0.06	0.03	0.42	0.07	0.03	0.61	0.03	0.03	0.2
Murshidabad									
Electricity	18.26	13.71	51.05	15.72	12.13	39.08	9.23	5.92	50.55
Kerosene	81.26	85.85	48.22	83.66	87.36	59.63	89.68	93.11	46.99
Solar Energy	0.3	0.28	0.44	0.35	0.28	0.82	0.45	0.32	2.07
Other Oil	0.03	0.03	0.08	0.04	0.02	0.15	0.06	0.06	0.06
Any Other	0.06	0.06	0.11	0.06	0.04	0.2	0.04	0.03	0.19
No Lighting	0.08	0.08	0.1	0.17	0.18	0.12	0.53	0.56	0.13
Birbhum									
Electricity	27.48	23.59	67.06	13.33	11.5	38.29	7.39	6.83	26.7
Kerosene	72.01	75.95	31.89	86.13	88.06	59.91	91.93	92.5	72.18
Solar Energy	0.29	0.3	0.22	0.25	0.25	0.22	0.47	0.47	0.24
Other Oil	0.05	0.04	0.11	0.04	0.03	0.17	0.02	0.02	0
Any Other	0.12	0.09	0.39	0.15	0.12	0.61	0.12	0.11	0.48
No Lighting	0.06	0.03	0.33	0.1	0.05	0.79	0.08	0.07	0.4

Table 6.15 (continued)

State / District	Percentage of households by source of lighting								
	Total			SC			ST		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
Burdwan									
Electricity	43.9	26.08	73.56	23.27	11.78	54.17	21.12	10.14	51.37
Kerosene	55.37	73.31	25.52	75.94	87.55	44.69	78.07	89.15	47.66
Solar Energy	0.31	0.33	0.28	0.33	0.35	0.28	0.31	0.34	0.22
Other Oil	0.09	0.05	0.16	0.09	0.04	0.2	0.14	0.08	0.3
Any Other	0.15	0.12	0.21	0.16	0.12	0.27	0.16	0.14	0.21
No Lighting	0.17	0.11	0.27	0.22	0.15	0.4	0.17	0.15	0.24
Nadia									
Electricity	29.71	20.3	63.08	20.46	15.61	41.58	12.67	8.29	37.96
Kerosene	69.76	79.22	36.21	78.99	83.89	57.62	86.43	90.81	61.17
Solar Energy	0.22	0.22	0.23	0.24	0.23	0.26	0.23	0.23	0.24
Other Oil	0.07	0.05	0.11	0.04	0.02	0.1	0.05	0.05	0.06
Any Other	0.1	0.09	0.14	0.14	0.13	0.18	0.24	0.25	0.19
No Lighting	0.14	0.11	0.23	0.14	0.11	0.26	0.37	0.37	0.37
North 24-Parganas									
Electricity	55.35	20.77	83.23	35.66	14.17	67.89	30.28	6.22	70.04
Kerosene	43.85	78.6	15.83	63.29	85.08	30.6	68.31	92.74	27.92
Solar Energy	0.34	0.37	0.31	0.43	0.48	0.36	0.54	0.59	0.47
Other Oil	0.06	0.04	0.08	0.08	0.06	0.1	0.08	0.03	0.16
Any Other	0.2	0.15	0.24	0.28	0.14	0.48	0.35	0.19	0.62
No Lighting	0.21	0.07	0.31	0.26	0.06	0.57	0.44	0.24	0.79
Hooghly									
Electricity	57.69	44.97	81.51	34.71	26.4	65.22	27.16	19.32	62.8
Kerosene	41.49	54.45	19.22	64.51	73.03	33.24	71.96	79.97	35.51
Solar Energy	0.29	0.25	0.37	0.27	0.22	0.44	0.32	0.28	0.5
Other Oil	0.06	0.04	0.11	0.06	0.03	0.18	0.03	0.01	0.1
Any Other	0.24	0.18	0.35	0.22	0.17	0.41	0.32	0.26	0.57
No Lighting	0.23	0.11	0.43	0.22	0.14	0.52	0.22	0.15	0.52
Bankura									
Electricity	27.73	24.01	71.88	12.78	11.19	39.46	5.7	5.11	54.88
Kerosene	71.81	75.62	26.62	86.79	88.5	58.01	93.67	94.29	40.77
Solar Energy	0.19	0.18	0.3	0.14	0.13	0.31	0.44	0.44	0.13
Other Oil	0.07	0.05	0.34	0.09	0.05	0.68	0.04	0.03	1.58
Any Other	0.13	0.12	0.3	0.2	0.1	0.4	0.11	0.1	1.06
No Lighting	0.07	0.03	0.56	0.09	0.02	1.13	0.04	0.02	1.58
Purulia									
Electricity	19.33	13.61	69.65	13.9	10.84	38.73	4.21	3.47	45.69
Kerosene	80.2	85.95	29.56	85.57	88.72	59.99	95.32	96.07	53.56
Solar Energy	0.29	0.29	0.31	0.24	0.23	0.31	0.34	0.34	0.19
Other Oil	0.07	0.07	0.06	0.07	0.08	0.03	0.04	0.04	0.13
Any Other	0.06	0.06	0.13	0.07	0.05	0.24	0.06	0.06	0
No Lighting	0.06	0.03	0.3	0.15	0.08	0.69	0.03	0.02	0.44

Table 6.15 (continued)

State / District	Percentage of households by source of lighting								
	Total			SC			ST		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
Undivided Medinipur									
Electricity	21.02	15.94	63.58	10.56	7.56	41.93	5.66	3.92	43.13
Kerosene	78.37	83.5	35.47	88.88	91.94	56.75	93.89	95.67	55.45
Solar Energy	0.41	0.41	0.4	0.38	0.38	0.41	0.19	0.17	0.48
Other Oil	0.04	0.03	0.14	0.04	0.03	0.14	0.06	0.06	0.21
Any Other	0.09	0.07	0.29	0.08	0.05	0.46	0.15	0.03	0.45
No Lighting	0.05	0.04	0.14	0.06	0.04	0.32	0.05	0.04	0.27
Howrah									
Electricity	56.07	31.17	78.78	33.09	16	63.08	59.94	22.39	72.85
Kerosene	43.01	68.25	20	65.93	83.36	35.34	38.4	76.63	25.24
Solar Energy	0.38	0.32	0.44	0.4	0.3	0.57	0.67	0.7	0.65
Other Oil	0.07	0.06	0.08	0.07	0.05	0.1	0.06	0.08	0.05
Any Other	19	0.14	0.22	0.26	0.24	0.31	0.4	0.11	0.5
No Lighting	0.28	0.06	0.47	0.25	0.05	0.6	0.54	0.08	0.7
Kolkata									
Electricity	94.9	0	94.9	87.99	0	87.99	90.67	0	90.67
Kerosene	4.41	0	4.41	10.98	0	10.98	8.05	0	8.05
Solar Energy	0.25	0	0.25	0.24	0	0.24	0.43	0	0.43
Other Oil	0.07	0	0.07	0.06	0	0.06	0.06	0	0.06
Any Other	0.07	0	0.07	0.18	0	0.18	0.06	0	0.06
No Lighting	0.29	0	0.29	0.56	0	0.56	0.73	0	0.73
South 24-Parganas									
Electricity	27.86	16.81	79.33	19.82	13.57	72.37	19.15	8.73	71.32
Kerosene	71.21	82.27	19.7	79.31	85.6	26.51	79.86	90.54	26.42
Solar Energy	0.53	0.58	0.32	0.6	0.63	0.34	0.62	0.65	0.47
Other Oil	0.04	0.03	0.12	0.03	0.02	0.08	0.16	0.03	0.82
Any Other	0.15	0.12	0.27	0.16	0.14	0.33	0.14	0.02	0.72
No Lighting	0.21	0.2	0.26	0.08	0.04	0.37	0.07	0.03	0.25

Source: *Census of India*, West Bengal

6.3 Banking and Finance

District-wise nationalized commercial bank branches for the period from 1996 to 2008 are given in Table 6.16. Number of commercial bank branches increased slowly in districts of West Bengal during this period. North 24-Parganas district recorded the highest rate of increase per annum in number of commercial bank branches (3.17 per cent) followed by Darjeeling (2.76 per cent) and Paschim Medinipur (1.72 per cent). During this period most of the districts of West Bengal recorded increase in number of commercial bank branches per lakh population. Seven districts that registered decrease in number of commercial bank branches per lakh population during this period were Birbhum, Purba Medinipur, Murshidabad, Uttar Dinajpur, Dakshin Dinajpur, Maldah and Darjeeling. In June 2007 in rural areas Coochbehar recorded the highest percentage of advances to deposits of scheduled commercial banks followed by Dakshin Dinajpur and Uttar Dianjpur, the lowest percentage being registered in Purulia while in semi-urban areas Dakshin Dinajpur witnessed the highest percentage followed by Uttar Dinajpur. In urban/ metropolitan areas Kolkata had the highest percentage of advances to deposits followed by Darjeeling. In West Bengal as a whole Kolkata recorded the highest percentage of advances to deposits of scheduled commercial banks (79.50 per cent) followed by Darjeeling district (67.23 per cent), the lowest percentage being registered in South 24-Parganas in June 2007 (Table 6.17 and Table 6.18). Outstanding credit advanced by scheduled commercial banks in 2007 for agriculture, industry,

transport, professional and other services, and personal loans in districts of West Bengal and percentage share of these uses to total outstanding bank credit in the districts are shown in Table 6.19 and Table 6.20 respectively.

During 1980-81 to 2004-05 small savings collection in West Bengal recorded increase but percentage of West Bengal's collection to All India collection registered decline. During 2005-06 North 24-Parganas district recorded the largest number of both new LIC policies and the sum assured followed by Burdwan, the smallest number being registered in Purulia (Table 6.21 and Table 6.22).

Table 6.16 Number of Commercial Bank Branches in Districts of West Bengal, 1996 to 2008

District	1996	1997	1998	1999	2000	2001	2003	2004	2005	2006	2007	2008	Rank	AGR (%)
Burdwan	363	365	367	369	380	373	376	380	388	393	399	427	3	1.60
Birbhum	174	174	174	174	174	174	174	175	174	174	175	181	11	0.37
Bankura	165	165	165	166	166	166	166	166	167	167	169	173	12	0.44
Undivided Medinipur	477	478	478	478	479	480	481	483	488	494	497	508	-	0.59
Paschim Medinipur	-	-	-	-	-	-	-	-	294	297	298	304	4	1.13
Purba Medinipur	-	-	-	-	-	-	-	-	194	197	199	204	9	1.72
Howrah	213	215	217	217	219	220	223	224	228	230	235	242	7	1.24
Hooghly	247	247	247	248	250	252	253	255	256	259	266	281	5	1.25
North 24-Parganas	350	352	363	370	372	375	381	382	392	408	434	472	2	3.17
South 24-Parganas	233	234	234	234	234	235	235	235	235	239	249	270	6	1.44
Kolkata	932	945	965	969	975	988	994	1010	1027	1041	1063	1096	1	1.60
Nadia	181	181	181	181	181	181	181	181	185	184	186	195	10	0.70
Murshidabad	220	220	220	220	220	221	218	220	222	222	226	230	8	0.41
Uttar Dinajpur	84	84	84	84	84	83	81	81	81	81	83	85	18	0.11
Dakshin Dinajpur	61	61	62	62	62	64	64	63	63	63	65	66	19	0.75
Maldah	141	142	143	143	143	146	145	145	148	148	152	154	13	0.84
Jalpaiguri	134	135	135	136	136	136	136	136	136	136	141	146	14	0.81
Darjeeling	102	103	103	105	106	109	114	116	118	119	125	133	15	2.76
Coochbehar	110	110	110	110	110	110	110	110	110	110	112	115	17	0.41
Purulia	112	112	112	112	112	112	113	113	114	113	114	118	16	0.49
West Bengal	4299	4323	4360	4378	4403	4424	4448	4475	4530	4581	4691	4892	-	1.25

Source: Government of West Bengal, *Economic Review*, Bureau of Applied Economics and Statistics.

Table 6.17 Number of Commercial Bank Branches Per Lakh Population in Districts of West Bengal, 1996 to 2008

District	1996	1997	1998	1999	2000	2001	2003	2004	2005	2006	2007	2008
Burdwan	5.36	5.27	5.18	5.48	5.56	5.39	5.43	5.49	5.61	5.68	5.77	6.19
Birbhum	6.16	6.04	5.92	5.97	5.87	5.78	5.78	5.81	5.78	5.78	5.81	6.0
Bankura	5.41	5.32	5.23	5.34	5.27	5.20	5.20	5.20	5.23	5.23	5.29	5.42
Undivided Medinipur	5.13	5.05	4.95	5.10	5.04	4.98	4.99	5.01	5.06	5.13	5.16	5.29
Purba Medinipur	-	-	-	-	-	-	-	-	5.66	5.72	5.74	5.85
Paschim Medinipur	-	-	-	-	-	-	-	-	4.39	4.46	4.51	4.62
Howrah	5.09	5.02	4.96	5.22	5.19	5.15	5.22	5.24	5.33	5.38	5.50	5.66
Hooghly	5.12	5.02	4.92	5.03	5.03	5.00	5.02	5.06	5.08	5.14	3.29	5.57
North 24-Parganas	4.19	4.10	4.11	5.31	4.25	4.20	4.27	4.28	4.39	4.57	4.86	5.28
South 24-Parganas	3.89	3.89	3.83	3.52	3.45	3.40	3.40	3.40	3.40	3.46	3.60	3.91
Kolkata	18.35	18.09	17.95	21.32	21.37	21.57	21.70	22.05	22.42	22.73	23.21	23.97
Nadia	4.12	4.01	3.91	4.07	4.00	3.91	3.93	3.93	4.02	4.00	4.04	4.23
Murshidabad	4.10	3.99	3.90	3.91	3.83	3.77	3.72	3.75	3.79	3.79	3.85	3.92
Uttar Dinajpur	3.77	3.66	3.55	3.62	3.53	3.40	3.32	3.32	3.32	3.32	3.40	3.48
Dakshin Dinajpur	4.55	4.45	4.43	4.29	4.21	4.23	4.26	4.19	4.19	4.19	4.33	4.39
Maldah	4.69	4.60	4.52	4.54	4.44	4.43	4.41	4.41	4.50	4.50	4.62	4.68
Jalpaiguri	4.25	4.19	4.09	4.15	4.07	4.00	4.00	4.00	4.00	4.00	4.14	4.29
Darjeeling	15.91	15.60	15.23	6.82	6.74	6.79	7.10	7.25	7.35	7.41	7.78	8.27
Coochbehar	4.58	4.48	4.39	4.56	4.56	4.44	4.44	4.44	4.44	4.44	4.52	4.64
Purulia	4.59	4.51	4.43	4.53	4.47	4.42	4.46	4.46	4.50	4.46	4.50	4.65
West Bengal	6.07	5.96	5.86	5.64	5.58	5.51	5.55	5.58	5.65	5.71	5.85	6.10

Source: As in Table 6.16

Table 6.18 Distribution of Deposits and Advances of Scheduled Commercial Banks in Districts of West Bengal, 2002 and 2007 (As on Last Friday of June, 2007) (Amount in Lakhs of Rupees)

Districts	Rural							
	Number of offices		Deposits		Advances		Percentage of advances to deposits	
	2002	2007	2002	2007	2002	2007	2002	2007
Bankura	143	146	66435	1135	14151	405	21.3	35.68 (12)
Birbhum	135	133	57729	989	18384	380	31.8	38.42 (11)
Burdwan	213	213	130543	2248	30415	802	23.3	35.68 (12)
Coochbehar	79	78	18126	281	8942	242	49.3	86.12 (1)
Darjeeling	43	44	20588	330	4482	127	21.8	38.48 (11)
Hooghly	152	147	108467	1676	19488	508	18	30.31 (15)
Howrah	101	99	93408	1491	12298	347	13.2	23.27 (16)
Jalpaiguri	84	90	56006	709	12398	236	22.1	33.29 (14)
Maldah	120	115	4514	685	16102	381	35.4	55.62 (5)
Purba Medinipur	398	157	168652	1409	44553	593	26.4	42.09(8)
Paschim Medinipur		241		1538		822		53.45 (6)
Murshidabad	148	142	56056	869	15630	414	27.9	47.64 (7)
Nadia	117	106	64332	929	15005	368	23.3	39.61 (9)
Purulia	90	93	45115	793	8092	169	17.9	21.31(17)
North 24-Parganas	159	158	116757	1826	26251	627	22.5	34.34(13)
South 24-Parganas	182	184	135316	2067	20141	1239	14.9	59.94 (4)
Uttar Dinajpur	60	63	13037	393	7234	243	55.5	61.83 (3)
Dakshin Dinajpur	52	53	14867	250	7426	207	49.9	82.80 (2)
West Bengal	2273	2262	1210949	19618	280992	8110	23.2	41.34

Table 6.18 (continued)

Districts	Semi-urban							
	Number of offices		Deposits		Advances		Percentage of advances to deposits	
	2002	2007	2002	2007	2002	2007	2002	2007
Bankura	11	10	14372	229	3218	96	22.4	41.92 (6)
Birbhum	39	42	60685	1053	13730	379	22.6	35.99 (10)
Burdwan	53	41	114094	1407	16700	377	14.6	26.79 (14)
Coochbehar	31	34	40914	715	40914	328	20.7	45.87 (5)
Darjeeling	26	14	53378	377	53378	158	16.8	41.91 (7)
Hooghly	49	44	98051	1440	98051	424	14.4	29.44 (13)
Howrah	26	30	42519	947	42519	146	10.6	15.42 (18)
Jalpaiguri	51	28	76137	591	76137	298	26	50.42 (3)
Maldah	17	26	21454	446	21454	174	25.3	39.01 (8)
Purba Medinipur	35	19	53892	703	533892	216	21.7	30.73 (11)
Paschim Medinipur		17		376		187		49.73 (4)
Murshidabad	55	62	47482	841	47482	324	21.4	38.53 (9)
Nadia	40	54	73370	1387	73370	413	21.1	29.78 (12)
Purulia	22	9	43574	224	43574	40	15	17.86 (17)
North 24-Parganas	53	40	148093	1550	148093	316	11.7	20.39 (16)
South 24-Parganas	41	50	82054	1315	82054	339	14.1	25.78 (15)
Uttar Dinajpur	14	7	14392	94	14392	74	37.3	78.72 (2)
Dakshin Dinajpur	3	3	1765	38	1765	32	45	84.21 (1)
West Bengal	566	530	986234	13733	986234	4321	17.6	31.46

Table 6.18 (continued)

Districts	Urban/Metropolitan							
	Number of offices		Deposits		Advances		Percentage of advances to deposits	
	2002	2007	2002	2007	2002	2007	2002	2007
Bankura	12	13	30532	549	4684	155	15.3	28.23 (13)
Burdwan	108	213	301140	6094	59478	2143	19.8	35.17 (10)
Kolkata	990	145	4032269	85876	2716462	68270	67.4	79.5 (1)
Darjeeling	42	67	97685	2290	38634	1730	39.5	75.55 (2)
Hooghly	52	75	134687	2763	16667	569	12.4	20.59 (15)
Howrah	95	106	229675	4090	45350	1510	19.4	36.92 (8)
Jalpaiguri	1	23	1387	620	256	296	18.5	47.74 (4)
Maldah	8	11	16932	354	3311	196	20	55.37 (3)
Purba Medinipur	50	23	155325	1153	23170	279	14.9	24.2 (14)
Paschim Medinipur		40		1638		633		38.64 (7)
Murshidabad	15	22	39128	766	7889	317	20.2	41.38 (6)
Nadia	23	26	43742	830	8100	295	18.5	35.54 (9)
Purulia		12		446		143		32.06 (12)
North 24-Parganas	165	236	575607	14707	61121	2565	10.6	17.44 (16)
South 24-Parganas	12	15	26895	547	2282	78	8.5	14.26 (17)
Uttar Dinajpur	9	13	17065	294	3895	135	22.8	45.92 (5)
Dakshin Dinajpur	9	9	14517	270	2601	91	17.9	33.7 (11)
West Bengal	1591	1899	5716586	123287	2993899	79405	52.4	64.41

Table 6.18 (continued)

Districts	Total							
	Number of offices		Deposits		Advances		Percentage of advances to deposits	
	2002	2007	2002	2007	2002	2007	2002	2007
Bankura	166	169	111339	1913	22054	656	19.8	34.29 (12)
Birbhum	174	175	118414	2042	32114	759	27.1	37.17 (11)
Burdwan	374	399	545777	9749	106593	3322	19.5	34.08 (14)
Kolkata	990	1063	4032269	85876	2716562	68270	67.4	79.5 (1)
Coochbehar	110	112	59039	996	17400	570	29.5	57.23 (5)
Darjeeling	111	125	171651	2997	52087	2015	30.3	67.23 (2)
Hooghly	253	266	341205	5879	50315	1501	14.7	25.53 (17)
Howrah	222	235	365603	6528	62136	2003	17	30.68 (16)
Jalpaiguri	136	141	133531	1920	32413	830	24.3	43.23 (8)
Maldah	145	152	83900	1485	24837	751	29.6	50.57 (6)
Purba Medinipur	480	199	377869	3265	79397	1088	21	33.32 (15)
Paschim Medinipur		298		3552		1642		46.23 (7)
Murshidabad	218	226	142666	2476	33696	1055	23.6	42.61 (9)
Nadia	180	186	181443	3146	38562	1076	21.3	34.20 (13)
Purulia	112	114	88689	1463	14631	352	16.5	24.01 (18)
North 24-Parganas	377	434	840456	18083	104649	3508	12.5	19.4 (19)
South 24-Parganas	235	249	244275	3929	33972	1656	13.9	42.15 (10)
Uttar Dinajpur	83	83	44494	781	16492	452	37.1	57.87 (4)
Dakshin Dinajpur	64	65	31149	558	10821	330	34.7	59.14 (3)
West Bengal	4430	4691	7913769	156638	3448630	91838	43.6	58.63

Note: (a) Rural includes all centers with population 10,000 or less
(b) Semi-Urban includes all centers with population over 10,000 and upto one lakh
(c) Urban Group covers centers having population over one lakh and upto ten lakhs and Metropolitan includes centers with population over ten lakhs.
Source: Department of Statistical Analysis and Computer Services, Mumbai, Reserve Bank of India

Table 6.19 Amount of Outstanding Credit Advanced by Scheduled Commercial Banks by Type of Credit in Districts of West Bengal, 2007 (Rs)

Districts	Item of credit							
	I. Agriculture	1.Direct finance	2.Indirect finance	II.Industry	1.Mining & quarrying	2.Mining & processing	3.Electricity, gas & water	4.Construction
1	2	3	4	5	6	7	8	9
Bankura	2207379	1598586	810793	795410	10042	735900	-	49468
Burdwan	6731960	5452867	1279293	9561213	96473	8116935	58555	1261917
Birbhum	1429138	1259067	170071	1687635	245039	1073607	163380	205609
Dakshin Dinajpur	554034	471522	82512	547436	11351	491573	269	44243
Darjeeling	1886836	1602094	284742	3218484	47943	2488426	12853	669262
Howrah	1487661	959730	527931	9472297	74211	8711121	297374	389591
Hooghly	3814434	2780186	1034248	3680390	4228	3355086	472	320604
Jalpaiguri	2274746	2011122	263624	2383069	4616	2133881	3520	241052
Coochbehar	1525310	1374540	150770	574262	432	435864	-	137966
Kolkata	33170952	13938168	19232786	380907837	5891250	318246704	10192619	46577264

Table 6.19 (continued)

Districts	Item of credit							
	I. Agriculture	1.Direct finance	2.Indirect finance	II.Industry	1.Mining & quarrying	2.Mining & processing	3.Electricity, gas & water	4.Construction
1	2	3	4	5	6	7	8	9
Maldah	1243859	1092686	151173	922125	12451	759036	-	150638
Murshidabad	2337720	1936556	401164	1216663	26086	1066518	1014	123047
Nadia	2529629	2041344	488285	2248068	22496	1939192	-	286380
North 24-Parganas	4130919	3572701	558218	5126155	164760	3941589	277165	742641
South 24-Parganas	1926969	1744150	182819	6006658	301328	5338257	124034	243039
Paschim Medinipore	10519474	9406821	1112653	6871511	111234	6224240	49771	486266
Purba Medinipore	2147682	1891590	256092	4093830	98184	3620649	496	374501
Purulia	490064	450817	39247	626225	13725	582456	-	30044

Table 6.19 (continued)

Districts	Item of credit					
	III. Transport operator	IV .Professional &other services	V. Personal loans	1.Loans for purchase of consumer durables	2.Loans for housing	3.Rest of the personal
	10	11	12	13	14	15
Bankura	49434	319544	2065039	272509	837568	954962
Burdwan	856858	1590955	11796615	360966	5030880	6404769
Birbhum	73089	269712	2912996	257964	1711998	943034
Dakshin Dinajpur	53018	169182	860888	75604	492301	293083
Darjeeling	400988	1617694	7945390	275784	3608871	4060935
Howrah	909286	1116129	1140071	174266	6363979	7921826
Hooghly	91379	406092	5239671	99649	2727661	2412361
Jalpaiguri	51197	239715	2778796	446599	850416	1481771
Coochbehar	23914	149502	2057980	401657	756451	899872
Kolkata	5229323	45670333	140302075	3021348	67478213	69902514
Maldah	270339	376892	2106912	290818	984657	831437
Murshidabad	303687	368432	3238817	216879	1279207	1742732
Nadia	100608	413765	3130006	179830	1442046	1508130
North 24-Parganas	192693	1550634	13633685	210954	7614655	5808076
South 24-Parganas	567772	601141	4334013	104377	1995822	2233814
Paschim Medinipore	488353	801170	5392549	469640	2530311	2392598
Purba Medinipore	65332	447226	4175110	433437	1686754	2054919
Purulia	31985	177401	1563321	175856	427910	959555

Table 6.19 (continued)

Districts	Item of credit							
	VI.Trade	1.Wholesale trade	2.Retail trade VII.Finance	VII.Finance	VIII.All others	Total bank credit	1.Artisans & village	2.Other small scale industries
	16	17	18	19	20	21	22	23
Bankura	1145071	177628	967443	275723	293701	7151301	209821	272105
Burdwan	5013328	949502	4063826	57335	3002900	38611064	538104	2149199
Birbhum	1660926	319263	1341663	30067	283354	8346917	626267	460427
Dakshin Dinajpur	797011	86088	710923	6555	91323	3079447	196510	250000
Darjeeling	3503238	1512348	1990890	15379	755406	19343415	123729	945590
Howrah	3266301	1111437	2154864	31213	1010015	28752973	291018	2208305
Hooghly	2856190	511750	2344440	43003	968197	17099356	390346	713171
Jalpaiguri	1869325	163810	1705515	39482	338672	9974992	136366	151285
Coochbehar	1139545	227312	912233	45554	204685	5720752	145406	181426
Kolkata	93614730	58689522	34925208	48578600	17759151	765233001	1676465	33613895
Maldah	1994784	376568	1616216	196806	318302	7430019	317461	223606
Murshidabad	2765640	399363	2366277	11895	374054	10616908	394025	428697
Nadia	2615896	350002	2265894	33917	414898	11486787	18149	6816
North 24-Parganas	6290550	2168571	4121979	391090	1934216	33249942	476533	1359547
South 24-Parganas	2054243	338855	1715388	14505	667062	16172363	381504	576638
Paschim Medinipore	3545590	471118	3074472	48223	1154005	28820875	440350	729837
Purba Medinipore	2017343	218860	1798483	18705	428270	13393498	264821	224854
Purulia	586587	70938	515649	9668	122773	3608024	129438	172612

Source: Basic Statistical Returns, Reserve Bank of India

Table 6.20 Percentage Share of Different Types of Outstanding Credit of Scheduled Commercial Banks, 2007

Districts	Item of credit							
	I. Agriculture	1.Direct finance	2.Indirect finance	II.Industry	1.Mining & quarrying	2.Mining & processing	3.Electricity, gas & water	4.Construction
Bankura	30.87	22.35	8.51	11.12	0.14	10.29	0	0.69
Burdwan	17.44	14.12	3.31	24.76	0.25	21.02	0.15	3.27
Birbhum	17.12	15.08	2.04	20.22	2.94	12.86	1.96	2.46
Dakshin Dinajpur	17.99	15.31	2.68	17.78	0.37	15.96	0.01	1.44
Darjeeling	9.75	8.28	1.47	16.64	0.25	12.86	0.07	3.46
Howrah	5.17	3.34	1.84	32.94	0.26	30.3	1.03	1.35

Table 6.20 (continued)

Districts	Item of credit							
	I. Agriculture	1.Direct finance	2.Indirect finance	II.Industry	1.Mining & quarrying	2.Mining & processing	3.Electricity, gas & water	4.Construction
Hooghly	22.31	16.26	6.05	21.52	0.02	19.62	0	1.87
Jalpaiguri	22.8	20.16	2.64	23.89	0.05	21.39	0.04	2.42
Coochbehar	26.66	24.03	2.64	10.04	0.01	7.62	0	2.41
Kolkata	4.33	1.82	2.51	49.78	0.77	41.59	1.33	6.09
Maldah	16.74	14.71	2.03	12.41	0.17	10.22	0	2.03
Murshidabad	22.02	18.24	3.78	11.46	0.25	10.05	0.01	1.16
Nadia	22.02	17.77	4.25	19.57	0.2	16.88	0	2.49
North 24-Parganas	12.42	10.74	1.68	15.42	0.5	11.85	0.83	2.23
South 24-Parganas	11.92	10.78	1.13	37.14	1.86	33.01	0.77	1.5
Paschim Medinipore	36.5	32.64	3.86	23.84	0.39	21.6	0.17	1.69
Purba Medinipore	16.04	14.12	1.91	30.57	0.73	27.03	0	2.8
Purulia	13.58	12.49	1.09	17.36	0.38	16.14	0	0.83

Table 6.20 (continued)

Districts	Item of credit					
	III. Transport operator	IV. Professional &other services	V. Personal loans	1.Loans for purchase of consumer durables	2.Loans for housing	3.Rest of the personal
Bankura	0.69	4.47	28.88	3.81	11.71	13.35
Burdwan	2.22	4.12	30.55	0.93	13.03	16.59
Birbhum	0.88	3.23	34.9	3.09	20.51	11.3
Dakshin Dinajpur	1.72	5.49	27.96	2.46	15.99	9.52
Darjeeling	2.07	8.36	41.08	1.43	18.66	20.99
Howrah	3.16	3.88	3.97	0.61	22.13	27.55
Hooghly	0.53	2.37	30.64	0.58	15.95	14.11
Jalpaiguri	0.51	2.4	27.86	4.48	8.53	14.85
Coochbehar	0.42	2.61	35.97	7.02	13.22	15.73
Kolkata	0.68	5.97	18.33	0.39	8.82	9.13
Maldah	3.64	5.07	28.36	3.91	13.25	11.19
Murshidabad	2.86	3.47	30.51	2.04	12.05	16.41
Nadia	0.88	3.6	27.25	1.57	12.55	13.13
North 24-Parganas	0.58	4.66	41	0.63	22.9	17.47
South 24-Parganas	3.51	3.72	26.8	0.65	12.34	13.81
Paschim Medinipore	1.69	2.78	18.71	1.63	8.78	8.3
Purba Medinipore	0.49	3.34	31.17	3.24	12.59	15.34
Purulia	0.89	4.92	43.33	4.87	11.86	26.6

Table 6.20 (continued)

Districts	Item of credit							
	VI.Trade	1.Wholesale trade	2.Retail trade VII.finance	VII .Finance	VIII. all others	Total bank credit	1.Artisans & village	2.Other small scale industries
Bankura	16.01	2.48	13.53	3.86	4.11	100	2.93	3.8
Burdwan	12.98	2.46	10.53	0.15	7.78	100	1.39	5.57
Birbhum	19.9	3.82	16.07	0.36	3.39	100	7.5	5.52
Dakshin Dinajpur	25.88	2.8	23.09	0.21	2.97	100	6.38	8.12
Darjeeling	18.11	7.82	10.29	0.08	3.91	100	0.64	4.89
Howrah	11.36	3.87	7.49	0.11	3.51	100	1.01	7.68
Hooghly	16.7	2.99	13.71	0.25	5.66	100	2.28	4.17
Jalpaiguri	18.74	1.64	17.1	0.4	3.4	100	1.37	1.52
Coochbehar	19.92	3.97	15.95	0.8	3.58	100	2.54	3.17
Kolkata	12.23	7.67	4.56	6.35	2.32	100	0.22	4.39
Maldah	26.85	5.07	21.75	2.65	4.28	100	4.27	3.01
Murshidabad	26.05	3.76	22.29	0.11	3.52	100	3.71	4.04
Nadia	22.77	3.05	19.73	0.3	3.61	100	0.16	0.06
North 24-Parganas	18.92	6.52	12.4	1.18	5.82	100	1.43	4.09
South 24-Parganas	12.7	2.1	10.61	0.09	4.12	100	2.36	3.57
Paschim Medinipore	12.3	1.63	10.67	0.17	4	100	1.53	2.53
Purba Medinipore	15.06	1.63	13.43	0.14	3.2	100	1.98	1.68
Purulia	16.26	1.97	14.29	0.27	3.4	100	3.59	4.78

Source: Basic Statistical Returns, Reserve Bank of India

Table 6.21 Small Savings in West Bengal, 1980-81 to 2004-05

Progress of Year	Small savings in West Bengal (Rs crore)			Percentage of	
	West Bengal		All India collection		
	Target	Collection		Collection to target in West Bengal	West Bengal 's collection to all India
1980-81	190	173.69	1123.21	91.42	15.46
1985-86	565	470.31	4292.77	83.24	10.96
1986-87	575	392.95	3189.61	68.34	12.32
1987-88	626	333.83	3633.57	53.33	9.19
1988-89	440	611.49	5425.09	138.98	11.27
1989-90	819	998.61	7958.09	121.93	12.55
1990-91	1000	893.34	7971.33	89.33	11.21
1991-92	960	582	5655.47	60.62	10.29
1992-93	960	595	4537.92	61.98	13.11
1993-94	660	1272	7157.3	192.73	17.77
1994-95	1120	2025	14425.65	180.8	14.04
1995-96	1710	2024	10075.58	118.36	20.09

Table 6.21 (continued)

Progress of Year	Small savings in West Bengal (Rs crore)			Percentage of	
	West Bengal		All India collection		
	Target	Collection		Collection to target in West Bengal	West Bengal 's collection to all India
1996-97	1800	2108.04	12131.29	117.11	17.38
1997-98	2500	3790.11	20412.2	151.6	18.57
1998-99	3500	4690.74	28540.78	134.02	16.44
1999-00	4410	5584.34	32213	126.63	17.34
2000-01	6000	6386.93	37578.97	106.45	17
2001-02	6750	6781.56	37767.84	100.47	17.96
2002-03	7880	7613.08	50937.17	96.61	14.95
2003-04	9456	8308.29	61944.08	87.86	13.41
2004-05	9825	9645.53	81996.54	98.17	11.76

Source: Government of West Bengal, *Statistical Abstract*, Bureau of Applied Economics and Statistics

Table 6.22 Number, Sum Assured, Premium Income and Loan Distributed of Life Insurance Corporation in Districts of West Bengal, 2005-06

District	New business		Premium income (Rs thousand)		Loan distributed	
	Number of Policies	Sum assured (Rs crores)	First year's premium including first premium	Renewal premium	Number of persons taken loan	Amount of loan (Rs thousand)
Burdwan	320101	2542.02	1076261	4559099	9*	5433*
Birbhum	88722	680.96	249362	1127837	6664	88997.2
Bankura	86380	681.34	269341	1002800	5*	1661*
Purba Medinipur	192767	1642.24	720756	2775100	19518	532153
Paschim Medinipur	195081	1702.37	708200	2348162	16518	327138
Howrah	251259	2289.29	9581.72	30953.04	21771	120326
Hooghly	203772	1764.55	756898	2881835	20269	670019
North 24 -Parganas	318232	2572.58	19810	8753757	33380	454486
South 24-Parganas	200121	1255.35	864569	1820388	13572	107710
Nadia	148991	1077.42	468119	1929043	17439	184079
Murshidabad	125897	751.03	443039	1541561	9395	93203
Uttar Dinajpur	59215	345.52	175270	643045	8439	77880
Dakshin Dinajpur	34921	196.61	87059	394705	4368	92456
Maldah	103711	629.23	287199	921669	7151	102153
Jalpaiguri	117050	841.96	341584	1380758	20501	291700
Darjeeling	72560	715.15	358046	1416279	5757	76700
Coochbehar	66389	388.23	175506	642504	10425	127410
Purulia	5.418	391.86	946430	741344	14663	113106
West Bengal	2394050	739581.5	7957031	34910839	229844	3466610

Note: * = House Building Loans only

Source: Divisional Office, Life Insurance Corporation of India

6.4 Education

The emerging consensus in development polices is that without expanding access to education and health services it is not possible to pursue poverty reduction and human development. In West Bengal, the primary aim of the State Government in education sector is to achieve universalisation of elementary education and attain total literacy within the shortest possible time.

West Bengal recorded appreciable increase in number of primary and junior basic schools including Sishu Siksha Kendras from 46248 to 67107 during 1980-81 to 2007-08 and in number of high and higher secondary schools from 5184 to 8892 during this period (Table 2.23).

Number of general education schools in districts of West Bengal in 2003-04 is shown in Table 6.24, the students in Table 6.25 and teachers in Table 6.26 and for 2006 number of schools, pupil-teacher ratio, net enrolment ratio, and drop-out rate in districts of West Bengal are shown in Table 6.27. Numbers of schools (general education), students and teachers for 2004-05 to 2006-07 are shown in Appendix Tables – Table A6 to Table A8.

Though responsibility of providing education rests with the School Education Department, the Panchayat and Rural Development Department has been associated with a unique programme, known as the Shishu Shiksha Karmasuchi (SSK) for extension of elementary education areas, which faced difficulties in having access to elementary education. Under this programme, known as the Shishu Shiksha Karmasuchi, primary and upper primary schools are organized by the community with the support of the Panchayats. So, those are essentially community managed institutions with high degree of involvement of the guardians, who remains responsible for managing affairs of the institutes. Education up to primary level is imparted by the Shishu Shiksha Kendras (SSKs). Numbers of Sahayikas, which was 41, 995 during 2005-06 increased to 44,226 during 2006-07. The pupil-teacher ratio thereby improved from 34.0 during 2005-06 to 33.6 during 2006-07. Opening of MSKs started in the year 2003-04 for improving access to upper primary education and the same are organized in the same pattern as those of the SSKs. As per DISE 2006 there were 1,752 numbers of MSKs functioning in the State out of which 159 MSKs were opened in the year 2006-07. Total 6.28 shows, 85,006 students were enrolled in those Kendras as compared to 2.09,360 students enrolled in the previous year. As per DISE (District Information of School Education) numbers of SSKs and MSKs were largest during 2006-07 in Paschim Medinipur district followed by Murshidabad district, the smallest numbers being registered in Hooghly district for SSK and in Siliguri MP for MSK.

There were 16005 numbers of SSKs in the year 2007-08, which was marginally lower than 16054 number of SSKs, which functioned during the previous year. Some of the SSKs located close to formal primary schools were not continued to avoid duplication of efforts. However, the number of learners, as per DISE conducted in the year 2007, increased from 14.88 lakh to 14.94 lakh. Largest number of students in the SSKs was from the minority community, which was 35.1% of all the learners. 30.29% and 12.12% of the students of SSKs were from the Scheduled Castes and Scheduled Tribes and 50.2% of all students were girls. It may be mentioned that percentage share of ST population in the State, excluding population of Kolkata, is 5.8% as per 2001 census. Therefore, the SSKs are catering more to the children belonging to the ST community and other marginalized sections of the society. Number of students in Class-IV increased from 2.19 lakh during 2006 to 2.51 lakh during 2008, which amounts to an increase of 14.74% against a general increase of learners by around 0.41%. This indicates improvement in retention and school completion rates. The pupil-teacher ratio improved from 33.6 during 2006-07 to 32.75 during 2007-08. Enrolment and other information related to SSKs in districts of West Bengal during 2006-07 to 2008-09 are shown in Table 6.28.

As per DISE 2007, there were 1803 number of MSKs functioning in the State. Total 342097 students were enrolled in those Kendras in 2007-08 as compared to 285006 students enrolled in the previous year. District-wise numbers of MSKs and students enrolled there during the year 2007-08 are given in Table 6.30. Pupil-teacher ratio changed from 34.9 during 2006- 07 to 36.2 during 2007-08. Enrolment and other information related to SSKs in districts of West Bengal during 2006-07 to 2008-09 are shown in Table 6.29 and Table 6.30.

Although available infrastructure for both SSKs and MSKs has improved substantially over the years there remains substantial gap in that respect as per DISE 2007.

Number of colleges, both academic and professional, recorded increase in districts of West Bengal during 2003-04 to 2006-07 (Table 6.31). In Table 6.32 number of public libraries, reading rooms and mass literacy centers in districts of West Bengal during 2001-02 to 2005-06 is shown.

Table 6.23 Number of Schools in West Bengal (including Madrsahs) in West Bengal, 1980-81 to 2007-08

Year	Primary and junior basic	Junior high	High and higher secondary
1980-81	46248	3696	5184
1985-86	50811	3130	5580
1990-91	51019	3157	6727
1991-92	51021	3027	6857
1992-93	51021	2999	6885
1993-94	51021	3010	7060
1994-95	51021	2794	7276
1995-96	51021	2804	7293
1996-97	51021	2804	7293
1997-98	51521	2905	7925
1998-99	52123	2864	8477
1999-2000	55433	3019	8865
2000-2001	60316	2383	9501
2001-2002	63503	2384	9582
2002-2003	65221*	2378	9580
2003-2004	67372*	3159**	9659
2004-2005	66925*	3159**	9659
2005-2006	67107@	2981**	8640***
2007-08	67107*	3168**	8892***

Source: Department of School Education, Govt. of West Bengal

Note: The decrease in the number of schools in 2005-06 & 2006-07 under Junior High, High and Higher Secondary stage is due to revision of the same by the concerned Department.

* Including Shishu Siksha Kendra

****** Including Madhyamic Shishu Siksha Kendra

*** Including unaided Schools

@ Including Shishu Siksha Kendra and Shishu Siksha Prakalpa(SSP) in KMC area.

R= Revised

Table 6.24 Number of Schools (General Education) in Districts of West Bengal, 2003-04

District	Primary	Junior /high	High and higher secondary	District	Primary	Junior /high	High and higher secondary
Bankura	3461	117	336	Hooghly	2968	86	407
Birbhum	2371	79	323	Jalpaiguri	1969	67	223
Burdwan	4029	109	753	Maldah	1885	63	260
Kolkata	1548	68	647	Paschim Medinipur	4622	226	518
Coochbehar	1801	80	198	Purba Medinipur	3217	193	472
Darjeeling	1167	79	126	Murshidabad	3170	109	390
Uttar Dinajpur	1427	73	119	Nadia	2578	104	351
Dakshin Dinajpur	1195	22	139	North 24-Parganas	3819	137	826
Howrah	2097	83	463	South 24-Parganas	3565	190	581
Hooghly	2968	86	407	Purulia	2976	99	234
Jalpaiguri	1969	67	223	West Bengal	49865	1984	7376
Maldah	1885	63	260				

Source: Department of School Education, Govt. of West Bengal

Table 6.25 Number of Students (General Education) in Districts of West Bengal, 2003-2004 (thousand)

District	Class I to V			Class VI to VIII			Class IX to X			Class XI to XII		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Bankura	213	207	420	99	81	170	40	21	61	16	8	24
Birbhum	219	189	408	70	52	122	30	20	50	13	7	20
Burdwan	425	409	834	183	163	346	78	57	135	34	21	55
Kolkata	268	231	499	124	110	234	67	59	126	89	67	156
Coochbehar	208	202	410	81	70	151	26	18	44	10	6	16
Darjeeling	118	112	230	40	35	75	21	17	38	11	5	16
Uttar Dinajpur	196	176	372	53	49	102	18	10	28	6	3	9
Dakshin Dinajpur	107	105	212	34	29	63	13	10	23	6	3	9
Howrah	220	219	439	108	110	218	45	41	86	21	15	36
Hooghly	298	292	590	126	125	251	50	47	97	23	17	40
Jalpaiguri	243	234	477	75	70	145	28	25	53	11	7	18
Maldah	237	229	466	68	54	122	25	19	44	10	5	15
Purba Medinipur	311	293	604	117	94	211	53	37	90	19	19	38
Paschim Medinipur	336	323	659	124	121	245	66	41	107	38	24	62
Murshidabad	448	442	890	136	129	265	54	34	88	20	10	30
Nadia	328	324	652	130	116	246	56	39	95	27	13	40
North 24-Parganas	447	438	885	208	192	400	100	81	181	55	37	92
South 24-Parganas	481	471	952	172	164	336	64	48	112	30	17	47
Purulia	178	150	328	58	49	107	27	12	39	9	3	12
West Bengal	5282	5046	10328	2005	1813	3818	864	635	1499	449	287	736

Source: Directorate of School Education, Govt. of West Bengal

Table 6.26 Number of Teachers (General Education) in Districts of West Bengal, 2003-04

District	Primary			Junior High			High			Higher Secondary		
	M	F	T	M	F	T	M	F	T	M	F	T
Bankura	7449	1357	8806	541	171	712	2277	558	2835	2381	464	2845
Birbhum	6724	1385	8109	333	37	370	2014	241	2255	1630	482	2112
Burdwan	10779	3032	13811	471	135	606	4702	1837	6539	4544	2471	7015
Kolkata	2988	2352	5340	325	147	472	2323	1846	4169	3483	2732	6215
Coochbehar	4717	1594	6311	321	63	384	1183	409	1592	1303	451	1754
Darjeeling	2385	1553	3938	539	139	678	539	404	943	697	474	1171
Uttar Dinajpur	3733	1048	4781	288	101	389	756	155	911	1202	303	1505
Dakshin Dinajpur	3147	828	3975	85	20	105	920	238	1158	697	191	888
Howrah	5131	3220	8351	316	182	498	1788	1277	3065	2996	965	3961
Hooghly	7521	2949	10470	351	205	556	1786	1449	3235	2286	1065	3351
Jalpaiguri	4481	2018	6499	216	125	341	1254	563	1817	1193	616	1809
Maldah	5015	1038	6053	280	47	327	1785	287	2072	1132	400	1532
Purba Medinipur	6938	2261	9199	818	324	1142	2502	996	3498	2700	1076	3776
PaschimMedinipur	10093	1966	12059	912	263	1175	3518	736	4254	3527	524	4051
Murshidabad	9102	1772	10874	529	113	642	2542	425	2967	2411	548	2959
Nadia	5953	2496	8449	359	169	528	1996	1028	3024	2826	1210	4036
North 24Parganas	9149	5571	14720	472	327	799	4876	3277	8153	5489	3511	9000
South24Parganas	7692	2136	9828	839	298	1137	3555	1283	4838	4265	1223	5488
Purulia	4672	1152	5824	426	101	527	1228	390	1618	1650	200	1850
West Bengal	117669	39728	157397	8421	2967	11388	41544	17399	58943	46412	18906	65318

Source: As in Table 6.25. *Note*: M= Male, F= Female, T =Total

Table 6.27 Number of Schools, Pupil-Teacher Ratio, Net Enrolment Ratio, and Drop-out Rate in Districts of West Bengal, 2006

Districts	No. of schools SSA-2006		Pupil-teacher ratio SSA-2006		Net enrolment ratio (overall) ssa-2006	
	Primary	Upper primary	Primary	Upper Primary	Primary	Upper primary
Darjeeling	1174	230	40.01	51.98	99.02	83.21
Jalpaiguri	2049	352	49.39	64.7	98.3	68.9
Coochbehar	1825	330	42.74	85.83	96.88	55.85
Uttar Dinajpur	1453	219	49.58	61.65	94.43	45.4
Dakshin Dinajpur	1182	185	39.21	78.87	97.51	68.94
Maldah	1877	383	68.47	79.258	96.86	73.82
Murshidabad	3048	587	56.59	109.29	97.362	78.42
Birbhum	2373	605	39.29	57.92	97.81	78.69
Burdwan	3974	1038	38.3	46.65	99.08	81.87
Nadia	2644	536	44.13	49.25	99.17	71.14
North 24-Parganas	3905	1362	49.08	66.07	98.85	83.67
Hooghly	3019	825	38.33	65.76	99.6	89.26
Bankura	3465	518	33.62	55.25	97.09	80.5
Howrah	2216	638	39.24	53.28	99.61	75.16
Kolkata	1445	918	33.59	39.08	99.04	92.2
Nadia	2644	536	44.13	49.25	99.17	71.14
Paschim Medinipur	4687	816	41.24	61.91	98.52	77.86
Purba Medinipur	3275	731	40.36	77.28	99.37	93.57
Purulia	2974	355	39.4	36.96	90.51	67.97
South 24-Parganas	3670	812	73.43	70.45	97.62	76.61

Source: As in 6.25
Note: ( ) Figures within parentheses indicate respective ranks.

Table 6.28 Enrolment and Other Information Related to Sishu Siksha Kendras (SSKs) as Per DISE in Districts of West Bengal, 2006-07 to 2008-09

District	Number of SSKs			Number of academic supervisors			Number of sahayika Supervisors		
	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09
Cochbehar	697	696	696	35	32	33	1607	1759	1828
Jalpaiguri	1085	1090	1088	52	53	52	3076	3150	3185
D.G.H.C.	558	517	820	23	0	38	1188	1068	1988
Siliguri MP	292	278	-	17	17	-	842	813	-
Darjeeling	850	795	820	40	17	38	2030	1881	1988
Uttar Dinajpur	907	905	974	42	42	40	2890	2990	3145
Dakshin Dinajpur	530	529	528	20	24	24	1414	1454	1438
Maldah	613	613	617	16	28	29	1995	2109	2162
Murshidabad	1582	1579	1543	57	68	57	5390	5651	5798
Nadia	556	556	556	33	32	32	1327	1435	1422
North 24-Parganas	959	957	956	41	45	43	2958	3065	3090
South 24-Parganas	1215	1213	1213	58	56	55	3919	4028	4031

Table 6.28 (continued)

District	Number of SSKs			Number of academic supervisors			Number of sahayika Supervisors		
	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09
Howrah	304	307	307	14	14	14	821	857	869
Purba Medinipur	1458	1455	1446	76	75	72	3954	3985	3994
Paschim Medinipur	2462	2464	2459	107	76	74	6248	6360	6449
Bankura	447	446	449	20	21	21	773	828	862
Purulia	405	410	416	14	12	12	751	767	784
Burdwan	1060	1061	1063	58	55	36	2896	3014	3024
Hooghly	279	279	278	13	14	14	752	776	780
Birbhum	645	650	650	31	31	30	1425	1503	1521
Total	16054	16005	16099	727	695	676	44226	45612	46370

Table 6.28 (continued)

District	Learners Standard-I			Learners Standard-II			Learners Standard-III		
	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09
Cochbehar	24446	23251	23572	13793	13270	14489	11642	11706	12301
Jalpaiguri	47209	44887	42237	23680	24327	23989	18905	19724	20410
D.G.H.C.	7694	7743		4724	4550		4100	3979	
Siliguri MP	12529	11335		6648	6695		4541	4991	
Darjeeling*	20223	19078	17904	11372	11245	10800	8641	8970	9073
Uttar Dinajpur	53932	49331	48725	29231	28391	29639	21283	22223	23795
Dakshin Dinajpur	19753	18354	16871	10234	9996	9168	8482	8185	7903
Maldah	31483	31761	30944	22545	22230	21774	20694	20482	19891
Murshidabad	83080	82324	78237	46608	47264	48114	37618	39683	41392
Nadia	23669	21894	19494	11275	11624	12039	9240	9739	10157
North 24-Parganas	41548	40119	39015	25709	24551	24000	21524	21323	21529
South 24-Parganas	69092	65120	63628	30774	30381	30222	24243	24578	25318
Howrah	11834	11678	11295	6240	6243	6521	5007	4954	5308
Purba Medinipur	50355	49391	46473	26672	26043	25198	23317	23638	23316
Paschim Medinipur	71389	69943	67759	40620	38724	37827	35685	34202	34557
Bankura	9939	9169	8718	5581	5257	5188	4496	4634	4643
Purulia	11341	11082	11213	4690	4536	4400	3301	3412	3436
Burdwan	38668	36373	34545	20921	21484	20978	17136	17272	17789
Hooghly	9668	8553	7856	4905	4988	4815	4264	4281	4365
Birbhum	18738	17611	16455	12225	12470	12194	9975	10667	11068
Total	636367	609919	584941	347075	343024	341355	285453	289673	296251

Note: * = Combination of D.G.H.C. and Siliguri MP

Table 6.28 (continued)

District	Learners			Learners		
	Standard-IV			Total		
	2006-07	2007-08	2008-09	2006-07	2007-08	2008-09
Cochbehar	9846	10665	11899	59727	58892	62261
Jalpaiguri	14698	17091	18280	104492	106029	104916
D.G.H.C.	3519	3484	-	20037	19756	-
Siliguri MP	3298	3908	-	27016	26929	-
Darjeeling*	6817	7392	7802	47053	46685	45579
Uttar Dinajpur	14098	16850	19961	118544	116795	122120
Dakshin Dinajpur	6761	7103	7391	45230	43638	41333
Maldah	16954	18543	18782	91676	93016	91391
Murshidabad	28947	33942	37402	196253	203213	205145
Nadia	6831	8567	9160	51015	51824	50850
North 24-Parganas	18025	19509	20394	106806	105502	104938
South 24-Parganas	19146	20901	22235	143255	140980	141403
Howrah	3524	4427	4776	26605	27302	27900
Purba Medinipur	18198	21203	21848	118542	120275	116835
Paschim Medinipur	27422	31038	32540	175116	173907	172683
Bankura	3436	4053	4415	23452	23113	22964
Purulia	1401	2316	2636	20733	21346	21685
Burdwan	12098	15000	15983	88823	90129	89295
Hooghly	3112	3902	4235	21949	21724	21271
Birbhum	7898	9032	9683	48836	49780	49400
Total	219212	251534	269422	1488107	1494150	1491969

Note: * = Combination of D.G.H.C. and Siliguri MP

Source: Paschim Banga Rajya Sishu Shiksha Mission, Government of West Bengal and DISE.

Table 6.29 Enrolment and Other Information Related to Madhyamik Siksha Kendrss (MSKs) as Per DISE in Districts of West Bengal, 2006-07 and 2007-08

District	Number of MSKs		Number of samprasaraks		Learners		Learners		Learners	
					Standard – V		Standard - VI		Standard – VII	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
Cochbehar	106	116	519	631	5606	5914	5441	6036	4631	5161
Jalpaiguri	102	107	432	512	7212	8292	5917	7008	4032	5342
D.G.H.C.	66	66	274	301	2029	1666	1934	1701	1883	1668
Siliguri MP	7	8	31	37	661	950	497	653	239	449
Uttar Dinajpur	104	99	463	521	10001	9535	6690	7308	3549	5591
Dakshin Dinajpur	36	36	107	149	1886	1909	1650	1701	861	1546
Maldah	87	87	468	487	5882	6492	4603	5337	3024	4400
Murshidabad	179	190	803	963	11599	12512	9113	11113	5772	8929
Nadia	98	103	423	538	7795	9326	5153	6808	3599	5024
North 24-Parganas	108	108	478	574	7607	8066	6114	6920	4061	5414

Table 6.29 (continued)

District	Number of MSKs		Number of samprasaraks		Learners Standard – V		Learners Standard - VI		Learners Standard – VII	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
South 24-Parganas	69	69	344	389	4548	4582	3608	4058	2531	3305
Howrah	20	22	99	116	1494	1724	1187	1239	847	1013
Purba Medinipur	148	147	772	831	6555	7235	5924	6156	4453	5491
Paschim Medinipur	226	231	1213	1305	11871	12932	10015	10778	8201	9306
Bankura	69	68	263	361	3183	3698	2914	2848	2223	2475
Purulia	121	132	549	661	4917	5222	4257	4558	2642	3754
Burdwan	85	91	444	498	5208	5544	4351	4799	2919	3795
Hooghly	23	23	76	112	1407	1503	1106	1238	483	976
Birbhum	98	100	402	474	6134	6839	4373	4844	2563	3487
Total	1,752	1803	8,160	9460	1,05,595	113941	84,847	95103	58,513	77126

Table 6.29 (continued)

District	Learners Standard – VIII		Learners Total		District	Learners Standard – VIII		Learners Total	
	2006-07	2007-08	2006-07	2007-08		2006-07	2007-08	2006-07	2007-08
Cochbehar	3584	4526	19262	21637	South 24-Parganas	1612	2485	12299	14430
Jalpaiguri	2430	4052	19591	24694	Howrah	602	823	4130	4799
D.G.H.C.	1489	1439	7335	6474	Purba Medinipur	2747	4197	19679	23079
Siliguri MP	109	239	1506	2291	Paschim Medinipur	6114	7378	36201	40394
Uttar Dinajpur	1377	3242	21617	25676	Bankura	1180	1927	9500	10948
Dakshin Dinajpur	188	997	4585	6153	Purulia	1149	2438	12965	15972
Maldah	1990	2839	15499	19068	Burdwan	2155	2593	14633	16731
Murshidabad	3407	6193	29891	38747	Hooghly	215	459	3211	4176
Nadia	2160	3987	18707	25145	Birbhum	1508	2220	14578	17390
North 24-Parganas	2035	3893	19817	24293	Total	36,051	55927	2,85,006	342097

Source: DISE

Table 6.30 Status of Madhyamik Sikshka Kendras in Districts of West Bengal, 2008-09

District	Number of MSKs functioning	Number of samprasaraks/ samprasarikas	Number of students		
			Boys	Girls	Total
Burdwan	95	512	8569	9777	18346
Birbhum	100	509	9799	9884	19683
Bankura	73	390	6118	6234	12352
Purba Medinipur	153	862	10935	13316	24251
Paschim Medinipur	230	1336	20260	22027	42287
Howrah	26	134	2181	2893	5074
Hooghly	27	133	2249	2778	5027
North 24-Parganas	116	618	10501	16521	27022
South 24-Parganas	79	416	7034	9222	16256
Nadia	101	552	12483	14737	27220
Murshidabad	202	1051	18746	24972	43718
Uttar Dinajpur	102	531	14279	16976	31255
Dakshin Dinajpur	39	180	3248	3800	7048
Maldah	103	527	10243	13728	23971
Jalpaiguri	108	568	13058	14685	27743
Darjeeling	78	367	4817	4722	9539
Cochbehar	118	661	9949	12103	22052
Purulia	139	726	10058	8646	18704
Total	1889	10073	174527	207021	381548

Source: DISE

Table 6.31 Number of Colleges in Districts of West Bengal, 2003-04 to 2006-07

District	General Degree (B.A./ B.Sc/ B.Com)				B.Ed			
	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07
Bankura	14	14	15	15	1	2	4	4
Burdwan	25(1G)	26(1G)	27(1G)	27(1G)	2(1G)	2(1G)	4(1G)	4(1G)
Birbhum	11	12	13	14	-	1	1	1
Kolkata	67(6G)	67(6G)	68(6G)	68(6G)	5(1G)	5(1G)	8(1G)	8(1G)
Coochbehar	10(1G)	10(1G)	11(1G)	11(1G)	-	1	1	1
Darjeeling	15(1G)	15(1G)	17(1G)	17(1G)	2	2	2	2
Hooghly	24(2G)	24(2G)	25(2G)	25(2G)	3(1G)	3(2G)	3(2G)	3(2G)
Howrah	16	17	17	18	1	1	4	4
Jalpaiguri	12	12	12	13	1	2	3	3
Maldah	8	8	9	9	1(1G)	2(1G)	3(1G)	3(1G)
Purba Medinipur	33(2G)	33(2G)	15(1G)	15(1G)	3	4	3	3
Paschim Medinipur			20(1G)	21(1G)			3	3
Murshidabad	18	18	19	19	1	2	5	6
Nadia	15(1G)	15(1G)	15(1G)	15(1G)	1	1	2	2
Uttar Dinajpur	6	6	6	6	1	1	2	2
North 24-Parganas	39(3G)	39(3G)	41(3G)	41(3G)	5(1G)	5(1G)	7(1G)	7(1G)
Purulia	11	11	11	12	1	1	2	2
South 24-Parganas	28	29	30	30	2(1G)	2(1G)	4(1G)	4(1G)
Dakshin Dinajpur	4	4	4	4	-	2	2	2
Total	356	360	375	380	30	39	63	64

Table 6.31 (continued)

District	Physical education				Law				Home science			
	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07
Bankura	-	-	-	-	-	-	-	-	-	-	-	-
Burdwan	-	-	-	-	-	1	3	3	-	-	-	-
Birbhum	-	-	-	-	-		1	1	-	-	-	-
Kolkata	-	-	-	-	-	3	4	4	1	1	1	1
Coochbehar	1(1G)	1(1G)	1(1G)	1(1G)	-	-	-	-	-	-	-	-
Darjeeling	-	-	-	-	-	-	-	-	-	-	-	-
Hooghly	1(1G)	1(1G)	2(1G)	2(1G)	1	1(1G)	1(1G)	1(1G)				
Howrah	-	-	-	-	-	-	-	-	-	-	-	-
Jalpaiguri			1	1	1	1	1	1				
Maldah	-	-	-	-	-	-	-	-	-	-	-	-
Purba Medinipur	-	-	-	-	2	2	1	1	-	-	-	-
Paschim Medinipur	-	-	-	-	-	-	1	1	-	-	-	-
Murshidabad	-	-	1	1	1	1	2	2	-	-	-	-
Nadia	-	-	-	-	-	1	1	1	-	-	-	-

Table 6.31 (continued)

District	Phy.Edn.				Law				Home science			
	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07
Uttar Dinajpur	-	-	-	-	-	-	-	-	-	-	-	-
North 24-Parganas	1(1G)	1(1G)	2(1G)	2(1G)	-	-	1	1	-	-	-	-
Purulia	-	-	-	-	-	-	-	-	-	-	-	-
South 24-Parganas	1(1G)	1(1G)	1(1G)	1(1G)	-	-	1	2	-	-	-	-
Dakshin Dinajpur	-	-	-	-	1	1	1	1	-	-	-	-
Total	4	4	8	8	9	11	18	19	1	1	1	1

Table 6.31 (continued)

District	Art				Engineering. & technology				Business management			
	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07
Bankura	-	-	-	-	2	2	2	2	-	-	-	-
Burdwan	-	-	1	1	8	7	8	8	1	1	1	1
Birbhum	-	-	-	-	2	2	2	2	-	-	-	-
Kolkata	1(1G)	1(1G)	1(1G)	1(1G)	12	15(2G)	17(2G)	17(2G)	7	7	7	7
Coochbehar	-	-	-	-	-	-	-	-	-	-	-	-

Table 6.31 (continued)

District	Art				Engineering & technology				Business management			
	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07
Darjeeling	-	-	-	-	1	1	1	1	-	-	-	-
Hooghly	-	-	-	-	3(1G)	3(1G)	4(1G)	5(1G)	-	-	-	-
Howrah	-	-	-	-	2	1	4	6	-	1	1	1
Jalpaiguri	-	-	-	-	1(1G)	1(1G)	1(1G)	1(1G)	-	-	-	-
Maldah	-	-	-	-	1	1	1	1	-	-	-	-
Purba Medinipur	-	-	1	1	2	2	2	2	-	-	-	-
Paschim Medinipur	-	-	-	-	-	-	-	1	-	-	-	-
Murshidabad	-	-	-	-	3(1G)	3(1G)	3(1G)	3(1G)	-	-	-	-
Nadia	-	-	-	-	3(1G)	2(1G)	4(1G)	4(1G)	-	-	-	-
Uttar Dinajpur	-	-	-	-	-	-	-	-	-	-	-	-
North 24-Parganas	1	1	1	1	2	2	2	3	-	-	-	-
Purulia	-	-	-	-	-	-	-	-	-	-	-	-
South 24-Parganas	-	-	-	-	3	3	3	4	-	-	-	-
Dakshin Dinajpur	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	2	4	4	45	45	54	60	8	9	9	9

Table 6.31 (continued)

District	Special instutions (H.M.& inst. of english)				Total			
	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07
Bankura	-	-	-	-	17	18	21	21
Burdwan	2	2	2	2	39	40	47	47
Birbhum	-	-	-	-	13	15	17	18
Kolkata	1	1	2(1G)	2(1G)	98	101	109	109
Coochbehar	-	-	-	-	11	12	13	13
Darjeeling	-	-	-	-	18	18	20	20
Hooghly	-	-	-	-	32	32	35	36
Howrah	-	-	-	-	19	20	26	29
Jalpaiguri	-	-	-	-	15	16	18	19
Maldah	-	-	-	-	10	11	13	13
Purba Medinipur	-	-	-	-	40	41	22	22
Paschim Medinipur	-	-	-	-			24	26
Murshidabad	-	-	-	-	23	24	30	31
Nadia	-	-	-	-	19	19	22	22
Uttar Dinajpur	-	-	-	-	7	7	8	8
North 24-Parganas	-	-	-	-	48	48	54	55
Purulia	-	-	-	-	12	12	13	14
South 24-Parganas	-	-	-	-	34	35	39	41
Dakshin Dinajpur	-	-	-	-	5	7	7	7
	3	3	4	4	460(100)	476(103)	538(117)	551(120)

Source: Department of Higher Education, Government of West Bengal
Note: ( ) Figures within parentheses indicate index number.

Table 6.32 Number of Public Libraries, Reading Rooms and Mass Literacy Centers in Districts of West Bengal, 2001-02 to 2005-06 (Number)

Districts	Public library			Free reading room			Mass literacy centre		
	2001-02	2004-05	2005-06	2001-02	2004-05	2005-06	2001-02	2004-05	2005-06
Burdwan	208	208	208	208	208	208	2000	2000	2000
Birbhum	127	124	124	127	124	124	2022	2027	2027
Bankura	130	130	130	132	132	130	2910	2313	2507
Purba Medinipur	121	121	121	122	124	124	3127	3074	3083
Paschim Medinipur	158	158	158	158	158	158	4804	5898	5902
Howrah	135	135	135	135	135	135	4027	25	25
Hooghly	158	158	158	158	158	158	2074	2613	2618
North 24-Parganas	221	221	224	221	221	224	1956	2092	2170
South 24-Parganas	144	144	144	208	144	143	2562	3466	3515
Nadia	110	109	109	110	109	109	15704	-	-
Murshidabad	158	143	144	158	143	144	2852	-	1587
Uttar Dinajpur	54	60	54	54	54	54	9162	114	886
Dakshin Dinajpur	57	57	57	57	57	57	5642	570	570
Maldah	106	104	104	108	106	106	4196	27532	27532
Jalpaiguri	110	110	110	110	110	110	2595	1265	1271
Darjeeling	128	128	128	128	128	128	-	1194	4766
Coochbehar	115	122	122	115	155	122	911	1002	1003
Purulia	127	127	126	127	127	123	9149	1091	1015

Source: *District Statistical Handbook*, Government of West Bengal

6.5 Health

Improvement in health status of population has been considered the major thrust area of the country since inception of the planning era. In this section health sector development in the districts of the State is presented through some indicators for which district disaggregated data are available.

In West Bengal, the State Government continues its efforts to strengthen and upgrade the curative health services on the one hand and pursuing the expansion of preventive health care measures on the other hand. There exists a network of health care system both in the urban and rural areas of the State. In the rural areas there are Sub-Centres, Primary Health Centres (PHC), Block Primary Health Centres (BPHC) and Rural Hospitals. In addition there are sub-divisional hospitals at every sub-division, district hospital at the district headquarters, State General Hospital and Medical Colleges. The Sub-centres in villages provide only outdoor services. Medical facilities, particularly sub-centers (clinics and dispensaries) increased appreciably in West Bengal during the 1990s and later. Total number of beds also increased. However, the medical facilities varied widely across the districts. Number of family welfare centers increased significantly across the districts. There is also substantial variation here across the districts.

The State recorded substantial increase in number of hospitals (Government, local fund and voluntary organization) and their beds, that in health centres and their beds, sub-cxentres and total health units and their beds during 1994-95 to 2007-08 (Table 6.33)**.** While hospitals and health centres, total number of beds and number of doctors marginally changed in most of the districts, number of sub-centres increased appreciably in districts during 2001 to 2005 (Table 6.34). Progress in family welfare programme in West Bengal during 1980-81 to 2008-09 and that in districts of the State are shown respectively in Table 6.35 and Table 6.36. Numbers of medical institutions and family welfare centres during 2007 and 2008 are shown in Table 6.37 and achievement of universal immunization programme in districts during 2001-02 to 2005-06 is shown in Table 6.38. Number of outdoor patients treated in hospitals, health centres and sub-centres increased significantly in districts during 2001 to 2005 while that of indoor patients either increased or decreased in the districts. The total number of patients treated, however, increased appreciably during this period (Table 6.39). Total number of institutional deliveries, number of deaths below 5 years, 5 years and above and total number of deaths during 2001 and 2005 are shown in Table 6.40. In 2001, South 24-Parganas recorded the highest percentage of households covered under tap, hand pump and tubewell sources of drinking water followed by Howrah and North 24-Parganas, the lowest percentage being registered in Darjeeling district (Table 6.41).

In 2007, most of the inhabited habitations were either fully or at least partly covered with rural water supply. Bankura district recorded the highest proportion of population covered under rural water supply schemes followed by Burdwan , the lowest proportion being registered in Coochbehar district (Table 6.42).

Availability of bed per ten thousand population increased substantially during 2001 to 2003. Kolkata district recorded the highest number of beds per ten thousand population followed by Darjeeling and Jalpaiguri, the lowest number being registered in South 24-Parganas district (Table 6.43).

Percentage share of institutional deliveries in total deliveries registered decline in most of the districts of West Bengal during 2000 to 2005. In 2005, Kolkata district recorded the highest share of institutional deliveries followed by Nadia, the lowest share being registered in Hooghly district (Table 6.44).

Access to the proper sanitary facilities, adoption of hygienic habits, both at household and community level and improvement of environmental sanitation status are the basic ingredients for improvement of quality of life. Improved sanitation status has direct relationship with the eradication of poverty, reduction of disease burden, universal primary education, gender empowerment and so on. With these ends in view, Rural Sanitation Programme has been scaled up as Total Sanitation Campaign (TSC) as a centrally sponsored programme. In 2000-01, the first two projects under TSC were sanctioned in undivided Medinipur and Howrah. Later, all other districts including the DGHC area in Darjeeling have been covered under TSC in phases. Considerable success has been achieved in implementation of TSC in the State. As per Census, 2001, around 27% of the rural households had access to sanitary toilets. At present, little more than 80% of the rural households in the State have access to sanitary toilets. The strength of the programme lies with the strong NGO-PRI partnership, a demand driven approach associated with strategic campaign for generation of awareness highlighting privacy, reduction of disease burden, gender empowerment and convenience in favour of installation and use of household sanitary toilets in preference to open defecation. Cumulative number of household latrines constructed upto March 2008 was largest in Burdwan district followed by Paschim Medinipur and the cumulative expenditure was highest in Paschim Medinipur district followed by North 24-Parganas district (Table 6.45 & Table 6.46). Achievement in respect of household latrines, sanitary complex, school toilets, latrines for Balwadies / ICDS toilets and RSM/ PCs during 2007-08 is shown against districts of the State in Table 6.47. Numbers of veterinary hospitals, veterinary personnel and cases treated during 2005-06 are shown against districts of West Bengal in Table 6.48.

Table 6.33 Health Facilities in West Bengal, 1994-95 to 2007-08*

Year	Hospitals (government, local fund and voluntary organisation)		Health centers (RH, BPHC & PHC)		Sub-centres	Total health units	
	Number	Number of beds	Number	Number of beds	Number	Number	Number of Beds
1994-95	397	55090	1263	12486	8126	9786	67576
1995-96	402	56199	1263	12587	8126	9791	68786
1996-97	404	56608	1263	12592	8126	9793	69200
1997-98	405	56664	1263	12592	8126	9794	69256
1998-99	406	57303	1262	12498	8126	9794	69801
1999-2000	415	58075	1268	12323	8126	9809	70398
2000-01	416	58285	1269	12329	8126	9811	70314
2001-02	429	58721	1266	12353	8126	9821	71074
2002-03	434	59110	1268	12218	8126	9828	71328
2003-04	434	59110	1268	12218	10356	12058	71328
2004-05	433	58312	1268	12207	10356	12057	70519
2005-06	2016@	78951@	1268	13364	10356	13640@	92315@
2006-07	2081@	82160@	1269	13921	10356	13706@	96081@
2007-08	2290	84828	1273	15191	10356	13919	100019
AGR	36.68	4.15	0.06	1.67	2.11	3.25	3.69

Notes: Hospitals including State Govt., Central Govt., Vol. Orgn. And Local Body

* Excludes Clinics, Dispensaries and Private Institutions. @ Includes Private Institutions

R.H.= Rural Hospital BPHC= Block Primary health Centre PHC= Primary Health Centre

Source: State Bureau of Health Intelligence, Government of West Bengal

Table 6.34 Health Facilities in Districts of West Bengal, 2001 & 2005

Districts	Number of Medical Institutions						Total		Total number of beds		Total number. of doctors	
	Hospitals		Health centres		Sub-centres (including. clinics & dispensaries)							
	2001	2005	2001	2005	2001	2005	2001	2005	2001	2005	2001	2005
Burdwan	39	40	134	134	809	840	982	1014	6907	6715	953	1098
Birbhum	10	10	77	77	46	511*	133	598	2370	2250	254	226
Bankura	11	16	87	89	551	617	649	722	2856	3010	260	271
Purba Medinipur	9	9	73	75	628	745	710	829	1320	1497	201	238
Paschim Medinipur	25	25	103	102	821	916	949	1043	3436	3314	465	595
Howrah	33	30	68	52	118	565	219	647	4072	3318	525	448
Hooghly	33	33	73	73	707	707	813	813	3768	3768	406	406
North 24-Parganas	41	47	75	75	1320	754	1436	876	4303	4635	531	941
South 24-Parganas	18	39	83	82	82	1068	183	1189	1600	3535	211	474
Nadia	30	33	50	66	433	506	513	605	5236	4590	351	417
Murshidabad	18	19	90	89	133	832	241	940	2899	2956	259	313
Uttar Dinajpur	4	4	27	28	300	247	331	379	721	440	116	113
Dakshin Dinajpur	4	4	26	26	228	268	258	298	804	807	89	97
Maldah	9	11	45	45	432	472	486	528	1145	1259	124	140
Jalpaiguri	112	115	46	46	337	537	495	698	4188	4478	334	391
Darjeeling	38	38	32	32	187	230	257	300	2763	2833	307	319
Coochbehar	10	10	39	41	29	406	78	457	1400	1430	176	184
Purulia	11	14	72	73	48	485	131	572	2265	2451	220	312

Source: State Bureau of Health Intelligence, Government of West Bengal
Note: *= Sub-Centres have been included from 2005.

Table 6.35 Progress of Family Welfare Programme in West Bengal, 1980-81 to 2008-09

Year	Sterilization	I.U.D.	C.C.users	O.P.users
1980-81	209940	31033	91247	6877
1985-86	288840	61754	139707	17261
1990-91	320480	140226	315987	110816
1995-96	331060	129544	446407	259195
1996-97	326398	113053	402363	290786
1997-98	321969	101711	402968	332638
1998-99	269861	90960	383421	326343
1999-2000	289076	86918	349256	330111
2000-01	313817	87736	393941	386724
2001-02	296969	83957	378859	416853
2002-03	245258	92624	429167	423627
2003-04	253880	76635	454016	442889
2004-05	288951	77377	526593	469348
2005-06	195359	76820	647852	523908
2006-07	136757	74842	674866	600167
2007-08	290584	89350	753479	671064

Source: State Family Welfare Bureau, West Bengal

Table 6.36 Number of Family Welfare Centres in Districts of West Bengal, 2001-02 to 2005-06

Year	Number of family welfare centres					
	Public		Private		Total	
	2001-02	2005-06	2001-02	2005-06	2001-02	2005-06
Burdwan	783	780	15	15	798	795
Birbhum	428	428	-	-	428	428
Bankura	511	567	1	1	512	568
Purba Medinipur	30	710	-	1	30	711
Paschim Medinipur	40	865	-	4	40	869
Howrah	76	448	20	-	96	448
Hooghly	37	745	6	9	43	754
North 24-Parganas	787	838	-	-	787	938
South 24-Parganas	33	1104	1	-	34	1104
Nadia	26	529	2	2	28	531
Murshidabad	30	863	-	-	30	863
Uttar Dinajpur	293	355	-	12	393	367
Dakshin Dinajpur	236	232	3	3	239	235
Maldah	15	487	1	1	16	488
Jalpaiguri	527	527	-	-	527	527
Darjeeling	43	43	30	30	73	73
Coochbehar	17	424	8	14	25	438
Purulia	467	493	5	8	472	501

Table 6.36 (continued)

Year	Number of cases treated							
	Vesectomy		Tubectomy		I.C.D		Others	
	2001-02	2005-06	2001-02	2005-06	2001-02	2005-06	2001-02	2005-06
Burdwan	111	38	46402	29614	11623	8729	69532	94362
Birbhum	1	4	14757	5385	1903	1656	25627	46457
Bankura	5	17	19001	6010	2241	1848	34400	61530
Purba Medinipur	1	8	12682	4135	8228	5984	51124	57792
Paschim Medinipur	77	291	22030	21000	4276	3682	298292	64536
Howrah	4	3	7966	5685	2826	2093	-	84656
Hooghly	12	1	18520	21551	4706	3853	57143	69650
North 24-Parganas	-	16	13065	10732	5026	6476	70306	114003
South 24-Parganas	2	13	10549	1749	4656	6543	-	-
Nadia	-	32	18836	6902	3556	2984	-	3825170
Murshidabad	2	52	27685	22866	2439	5260	-	-
Uttar Dinajpur	6	-	2185	8490	160	1174	-	-
Dakshin Dinajpur	3	16	6978	4279	241	1400	-	-
Maldah	10	21	6636	6412	1538	1964	-	1603490
Jalpaiguri	983	153	8145	2463	2510	3598	-	30057
Darjeeling	55	-	2011	3129	2023	1696	-	31935
Coochbehar	109	49	11652	2091	2753	4527	-	-
Purulia	16	1	8365	5776	4640	5050	-	-

Source:Economic Review, Government of West Bengal

Table 6.37 Health Services in Districts of West Bengal, 2007 & 2008

District	Medical institutions				Family welfare centres			
	(As on 31.3.07)	(As on 31.3.08)	(As on 31.3.07)	(As on 31.3.08)	(As on 31.3.07)	(As on 31.3.08)	(As on 31.3.07)	(As on 31.3.08)
	Number		Beds		Rural		Urban	
Burdwan	1087	1094	8840	9331	33	33	8	8
Birbhum	608	609	2628	2679	19	19	3	3
Bankura	699	701	3486	3556	22	22	2	2
Purba Medinipur	918	927	3030	3172	23	23	4	4
Paschim Medinipur	1117	1102	4858	4900	29	29	6	6
Howrah	630	638	4495	4799	14	14	10	10
Hooghly	928	896	5648	5515	17	17	9	9
North 24 Parganas	1059	1227	7453	8160	22	22	19	19
South 24 Parganas	1303	1329	4948	5657	29	29	6	6
Kolkata	388	413	25698	26739			38	38
Nadia	611	618	5795	5967	16	16	5	5
Murshidabad	997	999	3666	3763	26	26	4	4
Uttar Dinajpur	389	391	988	1049	9	9	2	2
Dakshin Dinajpur	285	286	1134	1177	7	7	2	2
Maldah	590	588	1872	1889	15	15	1	1
Jalpaiguri	653	654	2878	2980	13	13	4	4
Darjeeling	393	394	4350	4360	10	10	6	6
Coochbehar	475	476	1912	1921	11	11	3	3
Purulia	576	577	2402	2405	20	20	3	3
West Bengal	13706	13919	96081	100019	335	335	135	135

Source:Economic Review, Government of West Bengal

Table 6.38 Achievement of Universal Immunization Program in Districts of West Bengal, 2001-02 to 2005-06

Districts	TT (PW)		DPT		Polio		BCG		Measles	
	2001-02	2005-06	2001-02	2005-06	2001-02	2005-06	2001-02	2005-06	2001-02	2005-06
Burdwan	193808	165110	175126	154990	178010	158085	191509	174891	167666	138804
Birbhum	59362	68217	61275	70312	60334	70930	67178	78304	59487	68008
Bankura	61215	57587	66745	65485	65660	64595	69827	65297	61934	59424
Purba Medinipur	97309	75308	97250	85645	98653	82794	108111	98524	97541	82182
Paschim Medinipur	91457	81910	99599	102264	99216	101331	110348	108285	99223	97057
Howrah	71878	48836	79182	53854	80329	51416	88682	54495	74000	51324
Hooghly	89950	74637	96171	86634	95948	84335	102511	95126	92080	81558
North 24-Parganas	145074	113853	171317	117553	175370	117859	173794	126915	150491	111252
South 24-Parganas	115352	121134	131286	138815	132050	133136	147736	139673	127133	122166
Nadia	94988	82402	98111	87040	98834	86251	107373	98139	96587	82609
Murshidabad	119034	143786	120656	147141	117188	142625	138219	171049	129480	138236
Uttar Dinajpur	39837	63405	43585	66727	56014	66927	53864	79369	41587	65606
Dakshin Dinajpur	24350	29346	27191	330169	27298	32932	31701	34032	26986	30644
Maldah	65629	77021	75584	78549	75109	78063	85752	93398	72262	72549
Jalpaiguri	69717	70383	65795	69841	63189	69056	72156	77874	60554	65364
Darjeeling	29054	27020	34751	31443	30846	30983	44145	41294	30916	29190
Coochbehar	56961	57739	56187	59248	55969	58613	60573	64916	57140	56218
Purulia	56865	56845	56795	57803	56511	57387	61480	63929	57465	53386

Source:Economic Review, Government of West Bengal

Table 6.39 Number of Patients Treated in Hospitals, Health Centers and Sub-Centres in Districts of West Bengal, 2001 & 2005

Districts	Indoor		Outdoor		Total	
	2001	2005	2001	2005	2001	2005
Burdwan	472868	355480	5176643	5461668	5649511	5817148
Birbhum	195130	153713	1696862	2059676	1891992	2213389
Bankura	368928	219238	2002566	2665150	2371494	2884388
Purba Medinipur	88389	108711	1745133	2799582	1833522	2908293
Paschim Medinipur	181257	197575	4250920	7823013	4432177	8020588
Howrah	143983	87012	4118034	1567223	4262017	1654235
Hooghly	196570	155755	3094850	2259004	3291420	2414759
North 24-Parganas	236093	450159	3149296	4240972	3385389	4691131
South 24-Parganas	95568	160574	2980911	3416520	3076479	3577094
Nadia	193459	276052	3186198	4580148	3379657	4856200
Murshidabad	190306	222958	5381265	6787231	5571571	7010189
Uttar Dinajpur	74069	83101	929504	2171975	1003573	2255076
Dakshin Dinajpur	85231	66321	378714	853165	463945	919486
Maldah	96481	112988	2143439	1930068	2239920	2043056
Jalpaiguri	139222	187401	2515831	4383817	2655053	4571218
Darjeeling	77914	120582	900652	1222257	978566	1342839
Coochbehar	143853	197374	1654176	2396135	1798029	2593509
Purulia	142463	149506	3310567	2313259	3453030	2462765

Source:Economic Review, Government of West Bengal

Table 6.40 Number of Births and Deaths in Hospitals and Health Centres in Districts of West Bengal, 2001 & 2005

Districts	Total deliveries		Number of deaths by age group				Total number of deaths	
			Below 5 years		5 Years & above			
	2001	2005	2001	2005	2001	2005	2001	2005
Burdwan	110464	113146	680	2204	19334	26925	20014	29129
Birbhum	-	30978	-	408	-	7623	-	8031
Bankura	-	37740	315(P)	1159	2272	2799	2587	3958
Purba Medinipur	-	79197	-	751	-	13721	-	14472
Paschim Medinipur	34290	38108	9	907	330	4204	339	5111
Howrah	-	67444	-	497	-	13780	-	14277
Hooghly	-	35116	-	-	-	-	-	4689
North 24-Parganas	672	63617	-	2233	-	10897	-	13130
South 24-Parganas	-	132346	-	210	-	2215	-	13726
Nadia	-	84060	-	1125	-	13655	-	14780
Murshidabad	37734	50998	-	-	-	-	5399	6794
Uttar Dinajpur	-	55253	-	759	-	934	-	1693
Dakshin Dinajpur	-	8888	-	-	-	-	-	1239
Maldah	-	20264	-	425	-	11215	-	11640
Jalpaiguri	54756	64754	384	1230	-	-	-	-
Darjeeling	17762	33873	210	223	3163	3543	3373	3766
Coochbehar	17554	18074	131	135	922	927	1053	1062
Purulia	52631	55825	428	2057	3412	15621	3840	17678

Source:Economic Review, Government of West Bengal

Table 6.41 Percentage of Households by Sources of Drinking Water in Districts of West Bengal, 2001

District	Tap	Hand pump	Tubewell	Total coverage	Rank
Burdwan	10.57	69.67	13.05	93.29	9
Birbhum	6.58	71.24	9.67	87.49	10
Bankura	4.08	54.00	12.52	70.60	14
Medinipur	7064	63.77	13.40	84.81	13
Howrah	12.94	72.30	13.90	99.14	2
Hooghly	7.17	83.85	7.91	98.93	4
North 24-Parganas	7.64	77.27	14.03	98.94	3
South 24-Parganas	6.07	79.28	13.91	99.26	1
Nadia	4.14	87.16	7.54	98.84	5
Murshidabad	3.47	85.02	9.80	98.29	6
Uttar Dinajpur	1.88	88.16	3.55	93.59	8
Dakshin Dinajpur	2.31	88.93	4.61	95.85	7
Maldah	4.31	71.41	9.47	85.19	11
Jalpaiguri	17.03	23.61	5.49	46.13	15
Darjeeling	27.70	5.95	4.22	37.47	17
Coochbehar	3.57	73.64	7.91	812	12
Purulia	2.87	21.98	16.05	40.90	16
West Bengal	7.02	69.24	10.73	86.90	

Source: Census of India, 2001

Table 6.42 Rural Water Supply Coverage in Districts of West Bengal , 2007

District	Total number of inhabited habitations	Not covered habitations	Number of habitations covered		Population covered under water supply schemes ('000)	Percentage of population covered under water supply schemes ?
			Partially covered	Fully covered		
Coochbehar	2213	922	299	992	1303	57.81
Jalpaiguri	4120	53	88	3979	2667	95.45
Darjeeling a)Plain	808	243	29	536	407	60.51
b) D.G.H.C	1213	557	270	386	252	
Uttar Dinajpur	3667	63	100	3504	2003	93.29
Dakshin Dinajpur	4653	72	54	4527	1197	91.65
Maldah	4151	726	1317	2108	2159	70.79
Murshidabad	2965	13	446	2506	4751	92.54
Nadia	3885	91	687	3107	3327	91.78
North 24-Parganas	6603	10	1824	4769	3537	86.63
South 24-Parganas	8475	1116	3304	4055	4373	75.14
Howrah	1801	19	726	1056	1715	80.86
Hooghly	11160	450	793	9917	3171	94.54
Purba Medinipur	5459	791	1561	3107	3699	91.31
Paschim Medinipur	15984	353	1112	14519	4229	92.42
Bankura	6180	109	129	5942	2915	98.58
Purulia	3809	42	573	3194	1880	82.42
Burdwan	5069	54	0	5015	4281	98.46
Birbhum	3805	44	79	3682	2688	97.50
West Bengal	96020	5728	13391	76901	50554	87.54

Source: Public Health Engineering Directorate, Government of West Bengal

Table 6.43 Availability of Beds in State Government Health Per Ten Thousand Population in Districts of West Bengal, 2001 (As on 31st March)

District	Population 2001	Total number of Beds Year 2001	Availability of beds per ten thousand 2001	2003
Burdwan	6919698	3168	4.58	9.7
Birbhum	3012546	2045	6.78	7.4
Bankura	3191822	2595	8.13	9.3
Medinipur	9638473	4038	4.19	6.6*/ 3.3**
Howrah	4274010	1879	4.40	8.7
Hooghly	5040047	2486	4.93	7.5
North 24-Parganas	8930295	2827	3.16	5.2
South 24-Parganas	6909015	1874	2.71	2.6
Kolkata	4580544	12791	27.92	39.9
Nadia	4603756	4573	9.93	11.8
Murshidabad	5863717	2720	4.64	4.9
Uttar Dinajpur	2441824	677	2.77	3.0
Dakshin Dinajpur	1502647	730	4.86	5.4
Maldah	3290160	1122	3.41	3.8
Jalpaiguri	3403204	1573	4.62	12.4
Darjeeling	1605900	2349	14.62	17.2
Coochbehar	2478280	1311	5.29	5.6
Purulia	2535233	1346	5.31	9.7
West Bengal	80221171	50729	6.32	8.6

Source: Department of Health and Family Welfare, Government of West Bengal.
Note: * Figure for Paschim Medinipur, ** Figure for Purba Medinipur

Table 6.44 Share of Institutional Deliveries in Total Deliveries in Districts of West Bengal, 2000 to 2005 (Per cent)

District	2000	2001	2002	2005	Rank 2005
Burdwan	54.75	58.59	60.87	58.8	5
Birbhum	53.28	52.89	50.71	48.1	9
Bankura	58.15	64.30	65.56	62.4	4
Medinipur	43.92	45.74	44.17	43.6	11
Howrah	61.31	59.42	63.15	56.7	6
Hooghly	62.37	65.54	68.56	75.1	20.
North 24-Parganas	52.97	52.45	50.91	50.2	7
South 24-Parganas	15.54	21.90	27.40	30.5	16
Kolkata	100.00	100.00	100.00	100.0	1
Nadia	66.72	62.51	57.16	65.1	3
Murshidabad	37.30	18.27	28.82	33.2	15
Uttar Dinajpur	27.75	28.18	35.41	20.6	18
Dakshin Dinajpur	50.91	44.75	43.88	44.9	10
Maldah	25.00	23.01	23.79	27.5	17
Jalpaiguri	44.70	46.23	51.47	40.2	13
Darjeeling	73.66	64.47	67.40	43.0	12
Coochbehar	29.54	29.56	31.37	36.8	14
Purulia	40.64	34.56	36.06	48.9	8
West Bengal	48.85	48.04	47.60	-	-

Source: Department of Health and Family Welfare, Government of West Bengal.

Table 6.45 Cumulative Physical & Financial Progress in Total Sanitation Project by Caste since Inception in Districts of West Bengal, 2008 (upto March)

Name of District	Household latrines							
	Constructed				Expenditure (Rs lakh)			
	S.C.	S.T.	General	Total	S.C.	S.T.	General	Total
Jalpaiguri	104081	52899	64115	221095	211.48	105.27	123.37	440.12
Coochbehar	118745	2533	82872	204150	83.39	3.05	59.24	145.68
Uttar Dinajpur	36393	6558	52515	95466	132.25	23.41	192.65	348.31
Dakshin Dinajpur	44443	23516	48427	116386	92.86	50.07	85.34	228.27
Maldah	48140	14277	101925	164342	41.28	15.92	187.78	244.99
Murshidabad	68737	9101	378239	456077	95.85	15.04	340.84	451.73
Burdwan	273349	104113	376321	753783	346.51	133.26	306.30	786.07
Bankura	41949	7542	133614	183105	31.75	5.07	68.72	105.54
Paschim Medinipur	167234	114757	397169	679160	961.49	657.96	2276.98	3896.43
Purba Medinipur	131092	7471	223500	362063	159.99	8.84	676.04	844.87
Hooghly	139708	30376	186787	356871	749.76	166.70	1186.06	2102.52
Howrah	55934	47	277622	333603	130.71	0.37	32.64	163.72
South 24-Parganas	203661	11493	308974	524128	270.55	12.20	389.11	671.86
North 24-Parganas	112477	23250	334605	470332	497.58	102.05	1440.42	2040.05
Nadia	133228	20423	306277	459928	165.18	26.62	432.26	624.06
Birbhum	78529	20220	139112	237861	233.35	69.73	500.40	803.47
Purulia	3313	3200	10471	16984	4.82	5.71	13.80	24.34
Siliguri M.P.	10112	5077	4897	20086	17.56	10.28	9.05	36.89
D.G.H.C (Darjeeling)	33	82	167	282	0.26	0.66	1.34	2.26
Total	1771158	456935	3427609	5655702	4226.63	1412.21	8322.35	13961.19

Source: State Co-ordinator, State Sanitation Cell, Government of West Bengal

Table 6.46 Cumulative Physical Progress in Total Sanitation Campagin Since Inception of the Project in Districts of West Bengal, 2008 (upto March)

Districts	Household latrines		Sanitary complex		School toilets (units)		Latrines for balwadies/ ICDS toilets (units)		RSM/ PCs	
	Approved	Achieved	Approved	Achieved	Approved	Achieved	Approved	Achieved	Approved	Achieved
Jalpaiguri	449330	221095	50	10	6578	1862	1556	228	22	13
Coochbehar	436324	204150	50	36	3715	2853	1556	883	15	9
Uttar Dinajpur	398724	95466	50	23	4806	755	1556	0	30	2
Dakshin Dinajpur	259150	116386	50	0	3712	910	1147	163	9	8
Maldah	539459	164342	50	0	6385	1287	2345	0	17	0
Murshidabad	911975	456077	50	4	10260	2147	4003	0	18	40
Burdwan	753783	753783	133	93	9891	3868	2834	4312	10	28
Bankura	433153	183105	50	0	7544	3112	3299	0	24	26
PaschimMedinipur	760675	679160	50	67	16498	6453	4309	1662	0	0
Purba Medinipur	361963	362063	172	169	9726	4207	3696	308	25	25
Hooghly	436598	356871	53	26	7721	2280	3160	1186	18	18
Howrah	325198	333603	51	5	5195	1976	2901	1928	26	34
South 24-Parganas	897729	524128	50	18	8940	2605	5448	120	30	29
North 24-Parganas	509549	470332	51	4	11158	3476	3966	142	30	101
Nadia	557576	459928	50	5	6974	2009	3268	0	50	32
Birbhum	461073	237861	50	1	5617	2017	2326	0	26	19
Purulia	421180	16984	50	0	7542	986	2512	0	10	13
Siliguri M.P.	105037	20086	30	0	935	400	400	102	10	4
D.G.H.C(Darjeeling)	89458	282	92	1	892	5	348	0	16	4
Total	9107934	5655702	1182	462	134089	43208	50630	11034	386	405

Source: State Co-ordinator, State Sanitation Cell, Government of West Bengal

Table 6.47 Number of Household Toilets Constructed in Districts of West Bengal, 2007-08

District	Achievement 2007-08	Achievement upto March, 2008 since inception	District	Achievement 2007-08	Achievement upto March, 2008 since inception
Midnapore	0	362063	Murshidabad	110133	456077
Paschim Midnapore	0	679160	Dakshin Dinajpur	27793	116386
Howrah	14774	333603	Bankura	35051	183105
Burdwan	11292	753783	Uttar Dinajpur	16667	95466
North 24 - Parganas	38436	470332	Maldah	23392	164342
Hooghly	41123	356871	Birbhum	89440	237861
Nadia	94728	459928	Darjeeling	7200	20368
Coochbehar	22400	204150	Purulia	6071	16984
Jalpaiguri	36242	221095	Total	687243	5655702
South 24 - Parganas	112501	524128			

Source: Department of Panchayat and Rural Development, Government of West Bengal

Table 6.48 Number of Veterinary Hospitals, Veterinary Personnel and Cases Treated in the Districts of West Bengal, 2005-06

District	SAHC +DVH	BAHC	ABAHC	ADAC	MAHC	AIC	Veterinary personnel	Cases treated
Burdwan	11	31	20	225	-	511*	508	531379
Birbhum	7	19	17	131	-	227	305	727864
Bankura	5	22	22	103	-	187	246	441039
Purba Medinipur	5	25	11	11	-	-	172	437475
Paschim Medinipur	9	29	25	254	-	510	420	887781
Howrah	3	14	11	139	-	219	336	247634
Hooghly	5	18	18	183	-	223	237	470456
North 24 -Parganas	7	22	16	89	-	-	194	250335
South 24-Parganas	6	29	20	119	1	140	330	825486
Nadia	9	17	17	163	-	323	576	691137
Murshidabad	8	26	17	122	-	538	410	1175600
Uttar Dinajpur	3	9	9	81	-	183	198	344606
Dakshin Dinajpur	2	7	8	51	-	70	230	309381
Maldah	4	15	15	94	-	267	202	559078
Jalpaiguri	6	13	13	146	-	262	258	453721
Darjeeling	5	12	6	67	5	92	137	178775
Coochbehar	6	12	9	107	-		252	244902
Purulia	8	20	19	128	-	215	386	830188
West Bengal	109	340	273	2213	6	3967	5397	9606837

Note: SAHC = State Animal Health Centre, BAHC=Block Animal Health Centre,
ABAHC= Additional Block Animal Health Centre, ADAC= Additional Development Aid Centre, MAHC= Mobile Animal Health Centre, AIC= Artifical Insemination Centre, DVH= District Veterinary Hospital
* = Including Pranibandhu & Milk Union Centre
Source: Deputy Director, Animal Resources and Development Parishad Office, Government of West Bengal

6.6 Housing

Housing condition serves as a good indicator of economic conditions of households. Census of India classifies houses into three categories, namely good, livable and dilapidated and reveals that most of the households live in livable houses and Percentage of households living in good houses was substantially higher in urban areas than that in rural areas and that was much lower in 2001 for SCs and STs in both rural and urban areas and also that varied significantly across districts. Birbhum district had the highest percentage of families living in kuchcha houses followed by Coochbehar, Pashim Medinipur, Purba Medinipur, Uttar Dinajpur and South 24-Parganas(Table 6.49).

Table 6.49 Percentage of Households Living in Houses by Type in Districts of West Bengal, 2001

State / District	Percentage of households living in houses								
	Total			SC			ST		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
Darjeeling									
Goods	39.63	33.00	53.96	31.43	29.09	38.89	36.12	32.85	52.72
Livable	53.22	59.88	38.81	57.63	60.69	47.91	57.26	60.42	41.28
Dilapidated	7.15	7.11	7.23	10.94	10.22	13.20	6.62	6.74	6.00
Jalpaiguri									
Goods	36.15	33.34	48.40	28.89	28.33	33.00	36.76	36.44	44.35
Livable	53.63	56.64	40.53	59.04	60.41	48.88	54.93	55.41	43.43
Dilapidated	10.21	10.02	11.06	12.07	11.26	18.11	8.31	8.15	12.22
Coochbehar									
Goods	25.29	22.66	52.24	22.09	21.46	38.54	24.41	22.14	45.60
Livable	63.62	66.17	37.43	66.50	67.35	44.19	64.41	66.43	45.60
Dilapidated	11.09	11.17	10.32	11.41	11.19	17.26	11.18	11.43	8.81
Uttar Dinajpur									
Goods	42.71	41.87	49.57	39.44	39.85	34.76	33.20	33.02	38.89
Livable	49.14	50.33	39.37	52.76	52.15	47.21	53.33	53.81	38.15
Dilapidated	8.15	7.79	11.06	8.80	8.00	18.04	13.47	13.17	22.95
Dakshin Dinajpur									
Goods	37.27	35.62	49.41	31.17	31.13	31.59	27.14	27.04	31.18
Livable	52.13	53.87	39.35	56.08	56.59	50.04	58.35	58.57	49.78
Dilapidated	10.59	10.51	11.24	12.76	12.28	18.37	14.51	14.39	19.04

Table 6.49 (continued)

State / District	Percentage of households living in houses								
	Total			SC			ST		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
Maldah									
Goods	35.72	34.30	52.40	34.90	34.82	35.92	33.40	33.25	40.40
Livable	52.69	53.78	39.89	53.74	53.91	51.51	55.57	55.72	48.79
Dilapidated	11.59	11.93	7.70	11.36	11.27	12.57	11.03	11.03	10.81
Murshidabad									
Goods	35.08	34.05	42.57	32.29	32.24	32.63	24.95	23.74	40.08
Livable	54.52	55.49	47.56	55.37	55.29	55.84	62.91	63.74	52.55
Dilapidated	10.40	10.47	9.87	12.34	12.47	11.52	12.41	12.52	7.37
Birbhum									
Goods	41.48	40.04	56.13	31.42	31.40	31.72	28.79	28.77	29.26
Livable	50.87	52.20	37.29	58.21	58.36	56.21	61.26	61.36	57.71
Dilapidated	7.66	7.76	6.58	10.37	10.24	12.07	9.96	9.87	13.03
Burdwan									
Goods	44.69	41.23	50.44	31.60	31.09	32.99	28.09	26.66	32.03
Livable	48.11	50.92	43.42	58.02	58.78	55.98	62.79	63.61	60.55
Dilapidated	7.20	7.84	6.14	10.38	10.13	11.03	9.12	9.73	7.43

Table 6.49 (continued)

State / District	Percentage of households living in houses								
	Total			SC			ST		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
Nadia									
Goods	36.37	33.66	45.98	29.37	28.86	31.6	21.56	20.82	25.8
Livable	54.33	57.02	44.8	59.79	61.61	56.19	64.41	65	60.98
Dilapidated	9.3	9.32	9.22	10.84	10.52	12.21	10.04	14.81	13.22
North 24-Parganas									
Goods	49.33	39.88	56.95	38.49	36.51	41.44	32.57	27	41.79
Livable	43.28	50.6	37.38	51.91	53.76	49.14	54.94	58.02	49.84
Dilapidated	7.38	9.52	5.66	9.6	9.72	9.42	12.49	14.98	8.37
Hooghly									
Goods	48.92	43.92	58.27	31.63	28.39	43.51	27.35	24.62	39.78
Livable	43.31	47.06	36.29	55.83	58.12	47.45	62.15	64.59	51.05
Dilapidated	7.77	9.01	5.44	12.54	13.49	9.04	10.5	10.8	9.17
Bankura									
Goods	41.41	40.36	53.87	29.1	29.08	29.34	31.43	31.32	40.9
Livable	19.99	51.03	37.6	57.89	58.21	52.5	59.93	60.05	50.13
Dilapidated	8.6	8.61	8.53	13.01	12.71	18.16	8.63	8.63	8.97

Table 6.49 (continued)

State / District	Percentage of households living in houses								
	Total			SC			ST		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
Purulia									
Goods	43.95	42.82	53.95	35.6	36.12	31.45	37.43	37.29	45.19
Livable	51.49	52.61	41.67	57.12	56.68	60.71	57.14	57.26	50.06
Dilapidated	4.56	4.58	4.38	7.27	7.2	7.84	5.43	5.45	4.75
Medinipur									
Goods	41.52	39.4	59.23	32.13	31.12	42.74	27.65	26.96	42.72
Livable	47.98	49.71	33.51	53.72	54.58	44.75	58.49	59.12	44.9
Dilapidated	10.5	10.89	7.26	14.15	14.31	12.51	13.86	13.93	12.38
Howrah									
Goods	47.06	42.72	51.02	35.35	31.65	41.83	37.65	29.53	40.44
Livable	43.62	45	42.36	50.6	51.99	48.15	52.05	56.42	50.54
Dilapidated	9.32	12.28	6.62	14.05	16.35	10.02	10.3	14.05	9.01
Kolkata									
Goods	56.14		56.14	42.4		42.4	42.86		42.86
Livable	38.89		38.89	48.81		48.81	51.35		51.35
Dilapidated	4.98		4.98	8.79		8.79	5.79		5.79
South 24-Parganas									
Goods	40.35	38.28	50.01	38.13	37.4	44.24	30.42	28.86	38.2
Livable	50.52	52.2	42.7	52.83	53.47	47.51	57.81	59.58	48.97
Dilapidated	9.13	9.52	7.29	9.04	9.14	8.25	11.77	11.56	12.83
West Bengal									
Good	42.43	37.80	53.77	32.91	31.53	38.71	31.41	30.16	39.59
Livable	48.91	52.65	39.75	56.01	57.32	50.49	58.19	59.17	51.80
Dilapidated	8.66	9.55	6.48	11.08	11.15	10.80	10.40	10.67	8.61

Source: Census of India, West Bengal 2001

In 2006, Burdwan recorded the largest number of modified ration shops followed by South 24-Parganas, the smallest being registered in Dakshin Dinajpur (Table 6.50).

Table 6.50 Number of Statutory and Modified Ration Shops in the Districts of West Bengal, 2006

District	Statutory ration shops (c)	Modified ration shops	District	Statutory ration shops (c)	Modified ration shops
Burdwan	150	1911	Murshidabad	-	1367
Birbhum	-	966	Uttar Dinajpur	-	535
Bankura	-	1223	Dakshin Dinajpur	-	305
Purba Medinipur	-	825	Maldah	-	759
Paschim Medinipur	-	1448	Jalpaiguri	-	799
Howrah	254	640	Darjeeling	-	723
Hooghly	270	968	Coochbehar	-	603
North 24 -Parganas*	636*	1153	Purulia	-	1079
South 24-Parganas*	-	1445	West Bengal	1310	18042
Nadia	-	1293			

Note: *= Combined of North 24 -Parganas and South 24-Parganas

Sources: 1. Directorate of Rationing, West Bengal

2. Directorate of District Distribution, Procurement and Supply, Govt. of West Bengal

Chapter 7

LOCAL BODIES IN DISTRICTS OF WEST BENGAL

Institutions in West Bengal play vital role in the democratic functioning of the rural and urban bodies, i.e., local governance. This chapter presents database of local bodies – panchayats in rural areas and municipalities/ corporations in urban areas. Section 7.1 discusses database of panchayats and Section 7.2 that of municpalities.

7.1 Panchayats

The State of West Bengal is known for its unique system of rural local governments in the form of three tier panchayats. South 24-Parganas district recorded largest number of gram panchayats followed by Paschim Medinipur district and Burdwan, the lowest number being registered in Darjeeling in 2008 while Burdwan district recorded the largest number of panchayat samities followed by Paschim Medinipur and 24-Parganas The largest number of gram panchayat seats was recorded by South 24-Parganas followed by Burdwan in that year while 24-Parganas district registered largest number of panchayat samiti seats followed by Paschim Medinipur district (Table 7.1).

Table 7.1 Number of Gram Panchayats, Panchayat Samities and Their Seats in Districts of West Bengal, 2008

Districts	Number of gram panchayats	Number of seats in gram panchyats	%	Number of panchayat samities	Number of seats of panchyat samities	%	Number of seats of zilla parishads	%
Purba Medinipur	225	2863	6.90	25	628	7.14	53	7.09
Paschim Medinipur	290	3309	7.97	29	750	8.52	62	8.29
Purulia	170	1736	4.18	20	406	4.61	35	4.68
Bankura	190	2146	5.17	22	497	5.65	43	5.75
Burdwan	277	3600	8.67	31	746	8.48	67	8.96
Nadia	187	2691	6.48	17	533	6.06	45	6.02
North-24-Parganas	200	2905	7.00	22	575	6.54	31	4.14
South-24-Parganas	223	4141	9.98	29	877	9.97	73	9.76
Howrah	151	2141	5.16	14	439	4.99	36	4.81
Hooghly	201	2861	6.89	18	596	6.77	47	6.28
Coochbehar	128	1687	4.06	12	353	4.01	29	3.88
Jalpaiguri	146	1976	4.76	13	396	4.50	34	4.55
Uttar Dinajpur	98	1354	3.26	9	272	3.09	24	3.21
Dakshin Dinajpur	65	843	2.03	8	180	2.05	17	2.27
Maldah	146	1889	4.55	15	408	4.64	34	4.55
Murshidabad	254	3466	8.35	25	717	8.15	63	8.42
Birbhum	167	1905	4.59	19	425	4.83	35	4.68
Total	3220	41513	100.00	329	8798	100.00	748	100.00

Source: Government of West Bengal, *Annual Adminstration Report*, Department of Panchayats and Rural Development.

The Constitution of India (73rd Amendment) Act 1992 gives constitutional status to panchayats in every State. Article 243 G of the Constitution visualizes panchayats as institutions of self-government and provides for "devolution" upon panchayats, that is, assigning panchayats with necessary powers and authority.

7.1.1 Devolution of Functions and Finance:

Devolution of functions is a very important aspect of empowerment of PRIs to act as institutions of self-government rather than as mere implementing agencies. Article 243G of the Constitution has empowered the Legislature of a State to endow the panchayats with necessary powers and authority. Instead of specifying the functions and powers of panchayats, the Constitution 73rd Amendment Act has left it to the discretion of State governments. The Article 243 G reads as:

"Subject to the provisions of this Constitution, the Legislature of a State may, by law, endow the Panchayats with such powers and authority as may be necessary to enable them to function as institutions of self-government and such law may contain provisions for the devolution of powers and responsibilities upon the Panchayats at appropriate level, subject to such conditions as may be specified there in, with respect to-

(a) The preparation of plans for economic development and social justice;

(b) The implementation of schemes for economic development and social justice as may be entrusted to them including those in relation to the matters listed in the Eleventh Schedule."

The Constitution Amendment has created a framework enabling the State legislatures to determine the scope of actual devolution to the local bodies (Isaac and Frank 2000). It has sought to institutionalize the concept of decentralized planning. As per the provisions of the 73rd Constitution Amendment Act of 1992 and the West Bengal Panchayat Act panchayats in West Bengal play a vital role in planning and rural development. Decentralized planning in the State is traced back to the early 1980s.

Suitable legislation was carried out by the West Bengal State Legislature in 1992 and 1994 and sections 207A and 207B were inserted in the West Bengal Panchayat Act, 1973. Section 207B provides that the State Government may, by order, transfer to a Panchayat such powers, functions and duties as are exercised, performed and discharged by the State Government. The section has mentioned 17 subjects which may be transferred to the panchayat bodies, whereas the Eleventh Schedule of the Constitution of India covers 29 subjects for devolution. This schedule includes economic sectors like agriculture, land improvement, minor irrigation, animal husbandry, fisheries, social forestry and farm forestry, minor forest produce, small-scale industries, khadi, village and cottage industries and social sector like education and health and also most of the anti-poverty programmes and other schemes related to social justice.

The State Council of Ministers in their meeting held on the 10th May, 1999 resolved to transfer the subjects covered under the Eleventh Schedule to the three-tier panchayats. The functional transfer has been further clarified through a detailed Activity Mapping which means assigning activities to each tier of the Panchayats following the principle of subsidiarity so that any activity which may be performed at a lower tier should be attributed to that tier only without giving any scope for overlapping of responsibilities within various tiers of the Panchayats. Executive order for devolution of responsibilities following the activity map was first issued by the State Government (No. 6102 / PN / dated 07.11.2005) in respect of agriculture and extension works, animal resources development, cottage and small scale industries, health and family welfare, forestry and social forestry, women and child development and social welfare, food and supplies including public distribution system, fishery, backward classes welfare, mass education extension and library services, information and cultural affairs, school education, public health and engineering, water investigation and development, and land and land reforms. Thereafter the responsibilities for implementation of poverty alleviation programmes, employment generation programmes, social security programmes and other centrally and state sponsored Programmes were formally devolved upon the panchayat bodies through executive order No.3969-PN/O/I/4P-1/05 dated 25.07.2006. For devolution of the functions and activities in respect of rural electrification and non-conventional sources of energy to the PRIs, further order was issued during the year 2007-08 vide No. 4769/PN/O/I/4P-1/05 (Pt-IV) dated 29. 10. 2007. The panchayats have been assigned such functions and activities with authority for planning, budgeting and implementing schemes and taking other possible measures for economic development and social justice in rural areas related to those activities.

Ten departments of the State Government, namely (i) Forest, (ii) Health & Family Welfare, (iii) Women & Child Development & Social Welfare, (iv) Water Investigation & Development, (v) Micro & Small Scale Enterprises & Textiles, (vi) Animal Resources Development, (vii) Mass Education Extension, (viii) Fishery, (ix) Power and (x) Panchayat & Rural Development Department have issued matching orders from their end for the purpose of devolution. The Land & Land Reforms Department has also issued several orders from the very beginning of the present system for assigning responsibilities on the Panchayati Raj Institutions (PRIs).

The State Government provides financial support to the PRIs to meet their administrative expenditure on account of establishment cost and for discharging responsibilities entrusted with those bodies. Funds for meeting establishment cost including salary and pension of the employees of Panchayat Bodies are provided out of budget of the PRDD. Grant is also provided to the Gram Panchayats to compensate for the professional tax, which the government collects. A share of various cesses and entertainment tax collected by the State Government is also transferred to the PRIs as per recommendation of the State Finance Commission. The State

Government also transfers a share of the State revenue to the Panchayats as per their entitlements determined by the State Finance Commission. Rs.278.29 crore has been decided to be passed to the PRIs each year on this account, with effect from 2005-06, from the State exchequer. However, receipt of this untied grant depends on the performance of the PRIs in utilization of the grant received earlier for this purpose. The Union Government also transfers fund to the PRIs as per recommendation of the Central Finance Commission. PRIs in West Bengal are entitled to receive Rs 254.20 crore each year through State Budget (Non-Plan) as Twelfth Finance Commission grant for five years starting from 2005-06. The other major sources of fund available to the PRIs are those which are released by both the Central and the State Government for implementation of various programmes. Special emphasis has been given by the TwFC on mobilization of revenue and 20% of the fund has been distributed as Incentive Grants on revenue mobilization of the Panchayats. Balance 80% is distributed as per entitlement of the PRIs, prescribed by the 2nd State Finance Commission. Special emphasis has been given on improvement of database; maintenance of accounts; solid waste management and water supply, sanitation and drainage facilities, as recommended by the TwFC. Minimum percentage of TwFC Grant that has to be utilised for those sectors have been fixed at 10% for database improvement & computerization (15% for the GPs); 5% for maintenance of accounts including computerization and 10% for water & sanitation for all the tiers.

The State of West Bengal was ranked 3rd in 2005-06 and also in 2006-07 by the Ministry of Panchayati Raj, Government of India for its initiatives towards devolution. The State has been awarded an Incentive Grant of Rs. 83.74 lakhs. The Devolution Index developed by the MOPR and the score of the State of West Bengal may be seen in the departmental website.

Table 7.2 shows a comparative picture of transfer of funds to the PRIs out of State Budget of the P&RDD as well as Government of India (GOI) from 2002-03 to 2007-08. It is clear from this Table that flow of funds to the PRIs of the State increased substantially over the years. Table 7.3 shows the PRI-wise picture on annual flow of funds through the State Budget of the Panchayat and Rural Development (P&RD) Department during 2002-03 to 2007-08. Annual growth rate during this period was highest for Panchayat samitis followed by Gram Panchayats, the least growth being registered for Zilla Parishads.

Table 7.2 Transfer of Funds to the PRIs during Tenth Plan, 2002-03 to 2007-08 (Rs crore)

Year	Salary grants by the state	Grants by the state including SFC grants	State share of centrally sponsored schemes (CSSs)	ACA & central finance commission grants	Funds Released through state budget	Government of india share of CSSs released direct to the PRIs	Grand total
2002-03	147.84	94.38	144.59	77.32	464.13	367.08	831.21
2003-04	183.93	161.75	142.03	72.07	559.78	403.07	962.85
2004-05	193.39	200.61	161.62	124.97	680.59	530.79	1211.38
2005-06	192.43	425.23	273.77	174.79	1,066.22	948.99	2015.21
2006-07	210.79	317.71	302.9	402.55	1233.95	789.86	2023.81
2007-08	251.01	465.73	434.95	729.08	1880.77	1349.66	3230.43

Source: As in Table 7.1

Table 7.3 Flow of Funds to Different Tiers of PRIs from Budget of PRDD, 2002-03 to 2007-08 (Rs crore)

Tier	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	AGR
Zilla Parishads	183.3	228.48	240.61	345.09	290.02	572.93	35.43
Panchayat Samitis	65.52	44.5	79.01	154.82	156.33	327.12	66.54
Gram Panchayats	215.31	286.8	360.97	566.31	787.6	980.72	59.25
Total	464.13	559.78	680.59	1066.22	1233.95	1880.77	50.87

Source: As in Table 7.1

In 2007-08, a total sum of Rs. 1753.26 crore was earmarked in the budget of the P&RDD, which was subsequently revised to Rs. 2163.93 crore for allotment to the panchayat bodies. By the end of the year a total sum of Rs.1880.77 crore was released to those bodies as compared to a total release of Rs 1233.95 crore during the previous year. Out of that released amount a sum of Rs. 251.01 crore was meant for salary grant, Rs. 1111.15 crore was for schematic expenditure, most of which are on account of matching share for implementation of centrally sponsored schemes, and Rs. 518.61 crore was on account of grants recommended by the Finance Commissions of the State and the Centre and other grants. PRIs also received an amount of Rs. 1349.66 crore direct from GOI for implementation of various programmes. Further amounts were also received by the Zilla Parishads for implementation of different schemes of some departments not clearly earmarked in budget of those departments and in several cases those were related to activities not formally assigned to the PRIs. Flow of fund to the PRIs from the PRDD during the year 2007-08 is shown in the Table 7.4

Table 7.4 Transfer of Fund to the Panchayat Bodies, 2007-08 (Rs crore)

Item of Expenditure	Funds released for zilla parishad	Funds released for panchayat samiti	Funds released for gram panchayat	Total State budget release	Central share (direct to PRIs)	Grand Total
1. Salary Grants (NP)	29.39	19.75	201.87	251.01	Nil	251.01
2. Schematic Grants (SP)	402.17	212.19	496.79	1111.15	1349.66	2460.81
3. Other Grants						
a) 12th FC Grants (NP)	55.27	50.47	148.69	254.43	Nil	254.43
b) 2nd SFC Grants (SP)	40.74	40.97	122.9	204.61	Nil	204.61
c) Incentive Grants (NP)	0.77	0.8	2.77	4.34	Nil	4.34
d) Against Professional Tax (NP)	Nil	Nil	0.143	0.143	Nil	0.143
e) Against Entertainment Tax (NP)	4.49	2.94	7.44	14.87	Nil	14.87
f) Against Cess (NP)	20	Nil	Nil	20	Nil	20
g) Backward Areas (SP)	19.99	Nil	Nil	19.99	Nil	19.99
h) Miscellaneous	0.11	Nil	0.117	0.227	Nil	0.227
Other Grants	141.37	95.18	282.06	518.61	Nil	518.61
Total	572.93	327.12	980.72	1880.77	1349.66	3230.43

Source: As in Table 7.1

Table 7.5 shows the details of flow of fund to PRIs during 2007-08 from the State Budget of the PRDD. Actual flow of fund from the State budget to the PRIs, particularly the Zilla Parishads, is much more because of release of funds by few other departments for various works assigned to those bodies as well as for works not assigned to those bodies. Implementation of Local Area Development funds from the Members of Parliament and the Members of Legislaive Assembly also result in availability of more funds with those bodies. During 2007-08, Rs.254.43 crore was released out of 12th Finance Commission Fund and Rs.204.61 crore was released out of the Second State Finance Commission grant.

Table 7.5 Panchayats and Rural Development Department (Government of West Bengal) Fund (State Budgetory) Released Towards P.R.Bodies, 2007-08 (Rs lakh)

Salary and Allowances Grant	Buget provision	Revised estimate	Fund released	Made available to		
				Z.P.	P.S.	G.P.
1.G.P.Salary	16637.44	19590	18426.74			18426.74
2. P.S.Salary	842.62	1580	1342.62		1342.62	
3. Z.P.Salary	2519.58	3058	2519.58	2519.58		
4. Z.P. RWP Salary & Other Grants	224.75	224.75	213.47	213.47		
5. Allownce to Tax Collecting Sarkars	110	121	110			110
6. G.P. TADA	1650	2002	1650			1650
7. P.S. TADA	632.47	848	632.46		632.46	
8. Z.P. TADA	206	226.6	206	206		
Total:	22822.86	27650.35	25100.86	2939.04	1975.08	20186.74
Schematic fund						
9. SGSY	1250	3800	3253.55	3253.55		
10. SGSY (Admn)	200	60	241.33	241.33		
11. SHG Movement	500	2000	498.9	498.9		
12. IAY	3600	10000	8491.47			8491.47
13. SGRY	1700	1190	1037.82	207.56	311.35	518.91
14. SGRY Transportation	200	200	162.88	162.88		

Table 7.5 (continued)

Salary and Allowances Grant	Buget provision	Revised estimate	Fund released	Made available to		
				Z.P.	P.S.	G.P.
14. NFFWP Transportation	0	115.48	115.48			
15. NREGS	14819	15819	13270.64		1327.07	11943.57
REGP Howrah	0		1000	1000		
BRGF	25660	25660	26635	26635		
16. IWDP	100	100	19.5	19.5		
17. Watershed Development (DPAP)	100	100	90	90		
18. Watershed Development (NABARD)	75	75	41.19	41.19		
Construction of Panchayat Ghars	0		4.17			4.17
Construction of Panchayat Ghars(CS)	0		12.5			12.5
19. Rural Sanitation	1500	5000	2458.38		2458.38	
20. SSK	12.5	9807	7355.16		7355.16	
21. RIDF	12500	9500	7357.37	7357.37		

Table 7.5 (continued)

Salary and Allowances Grant	Buget provision	Revised estimate	Fund released	Made available to		
				Z.P.	P.S.	G.P.
22. Madhya Siksha Karmasuchi	200	3304	3303.48		3303.48	
23. Monitoring of SSK & MSK	0	0	0			
24. NOAPS	14400	17036	14354.48			14354.48
25. ACA NOAPS	14400	17036	14354.48			14354.48
26. ACA NFBS	1700	3200	6463.35		6463.35	
27. ZP Grant for implementation of PMGSY	600	2514	593.81	593.81		
Total:	93516.5	126401	111114.9	40216.56	21218.8	49679.57
Other Grants						
28. Incentive Grant for PRIs**	500	500	434	77	80	277
29. State Finance Commission.Grants (GLB)	27829	27829	20461.13	4073.68	4096.87	12290.58
29. (A) SFC Grants for DGHC(GLB)	13	13	0			
30. Twelfth Finance Commission Grants	25420	25470	25443.22	5526.97	5047.07	14869.17
31. L.R.Collection Grants (ZP)	6.3	150	8.78	8.78		
32. Cess Grants (ZP)	52.5	350	2000	2000		
33. Grants-Proffesion & Callings(GP)	14.32	15	14.32			14.32
34. Panchyat Fund (Entertainment Tax Grants)	3150	6000	1487.19	449.4	294.2	743.6
35. Grants to ZPs for committed liabilities	1	2	1.8			1.8
36. Grants to ZPs for backward rural area development	2000	2000	1998.8	1998.8		
37. Lump Grants to ZPs for various development works	0	2.75	2.72	2.72		
38. Assistance to PRBs for CHCMI	1	10	9.48			9.48
Total	58987.12	62341.75	51861.44	14137.36	9518.13	28205.95
Grand total	175326.5	216393.1	188077.2	57292.97	32712.01	98072.26

Source: As in Table 7.1

To support and sustain decentralized planning by the PRIs and its implementation for economic development and social justice there is need for more untied resources. The First State Finance Commission as well as the Second State Finance Commission (SFC), therefore, recommended flow of untied fund to the Panchayats based on formula prescribed by the Commission. The State Government started making provision of Rs 278.29 crore in the budget of the P&RD Department from the year 2005-06 for releasing the amount in two equal instalments every year to the PRIs of every district as grants based on formula prescribed by the SFC. Actual release of fund during subsequent years is to depend on utilization of funds already released. By the end of the year 2007-08 PRIs of all the districts should have been able to draw six instalments. However, actual release during the year was only Rs 203.68 crore because of lesser utilization of fund by the PRIs, indicating capacity constraints to utilize their resources. Also a portion of the entertainment tax and luxury tax collected by the State Government has been devolved to the PRIs as non-plan untied fund during 2001-02 to 2006-07.

In 2000-01, Rs 100.00 crore was released on the recommendation of the State Finance Commission, which increased to Rs 203.68 crore in 2007-08 and Rs 14.87 crore was released during this year as grants against entertainment tax and luxury tax. During 2007-08 North 24-Parganas Zilla Parishad recorded the largest receipts followed by Burdwan, the smallest receipts being registered in Dakshin Dinajpur district. Percentage of utilization was highest in Siliguri MP followed by Hooghly, the lowest percentage being registered in Murshidabad. During 2007-08 total amount released as Second State Finance Grants was largest for Burdwan district followed by Purba Medinipur, the smallest being registered in Darjeeling (DGHC) (Table 7.6 to Table

7.8). During 2005-06 Burdwan Zilla Parishad recorded the largest amount of receipt and expenditure followed by South 24-Parganas, the smallest amount being witnessed in Howrah (Table 7.9).

Table 7.6 Release of Untied Grants to the PRIs, 2000-01 to 2007-08 (Rs crore)

Year	Funds on recommendation of the SFC	Grants against entertainment tax and luxury tax
2000-01	100	Nil
2001-02	120.95	5.97
2002-03	Nil	Nil
2003-04	Nil	Nil
2004-05	Nil	11.59
2005-06	278.29	25.34
2006-07	139.145	30
2007-08	203.68	14.87

Source: As in Table 7.1

Table 7.7 Flow of Fund and its Utilization by the ZPs in Districts of West Bengal, 2007-08 (Rs crore)

Name of ZP	Opening balance as on 1.4.2007	Receipts	Total	Payment	Percentage utilized	Closing balance as on 31.3.2008
South 24 Parganas	38.91	80.7	119.61	81,36	68.02	38.25
North 24 Parganas	32.44	172.46	204.9	151.86	74.11	53.04
Howrah	14.56	38.67	53.23	36.34	68.27	16.89
Nadia	25.71	79.25	104.96	80.44	76.64	24.52
Murshidabad	47.39	66.72	114.11	55.54	48.67	58.57
Hooghly	25.72	61.32	87.04	70.37	80.84	16.67
Purba Medinipur	15.19	101.76	116.95	71.67	61.28	45.28
Paschim Medinipur	38.06	94.97	133.03	83	62.39	50.03
Purulia	26.36	63.28	89.64	57.5	64.14	32.14
Burdwan	41.71	122.6	164.31	103.79	63.16	60.52
Birbhum	23.31	62.77	86.08	62.82	72.97	23.26
Bankura	23.12	63	86.12	61.58	71.5	24.54
Maldah	38.35	55.96	94.31	53.57	56.8	40.74
Coochbehar	10.48	53.2	63.68	43.34	68.05	20.34
Uttar Dinajpur	13.81	48.31	62.12	42.07	67.72	20.05
Dakshin Dinajpur	13.87	45.4	59.27	39.81	67.16	19.46
Jalpaiguri	40.77	89.53	130.3	86.86	66.66	43.44
Siliguri MP	9.49	70.35	79.84	73.56	92.13	6.28
Grand Total	479.25	1370.25	1849.5	1255.48	67.88	594.02

Source: As in Table 7.1

Table 7.8 Release of Second State Finance Commission Grants in Districts of West Bengal, 2007-08

(Rs lakh)

District	Number of instalments released since 2005-06	Total amount released during 2007-08	District	Number of instalments released since 2005-06	Total amount released during 2007-08
Coochbehar	5	1323.655	South 24-Parganas	4	1186.904
Jalpaiguri	4	898.2904	Howrah	5	939.8498
Darjeeling (DGHC)	4	143.234	Hooghly	5	1361.637
Darjeeling(SMP)	4	164.067	Burdwan	5	2872.988
Uttar Dinajpur	5	1307.664	Birbhum	5	1507.557
Dakshin Dinajpur	5	1017.018	Bankura	4	773.681
Maldah	4	852.5999	Puruliya	4	745.233
Murshidabad	4	1168.125	Purba Medinipur	5	1619.781
Nadia	4	821.7146	Paschim Medinipur	4	925.928
North 24-Parganas	4	738.49	Total		20368.42

Source: As in Table 7.1

Table 7.9 Receipt & Expenditure of Zilla Parishad in Districts of West Bengal, 2005-06 (thousand rupees)

District	Receipt	Expenditure	District	Receipt	Expenditure
Burdwan	1548953	943754	Murshidabad	653893	256347
Birbhum	544491	593788	Uttar Dinajpur	483078	420634
Bankura	629956	615785	Dakshin Dinajpur	417214	359288
Purba Medinipur	203161	236150	Maldah	559551	535737
Paschim Medinipur	947171	827696	Jalpaiguri	914690	886999
Howrah	134544	126782	Darjeeling	171226	203309
Hooghly	631704	711862	Coochbehar	373465	338201
North 24 –Parganas	806999	813642	Purulia	904674	583258
South 24-Parganas	1724477	1518474	West Bengal	12165037	10718647
Nadia	515790	746941			

Source: District Statistical Handbook, 2006

7.1.2 Own Resource Mobilisation of Panchayats

Empowering the panchayats to raise their own revenue is one crucial step for their improved functioning. Own source revenue (OSR) of panchayats is composed of tax revenue and non-tax revenue and hence its amount depends upon the power of the panchayats to raise tax and non-tax revenue. The OSR of the panchayats in West Bengal is low compared to the responsibilities that those bodies have to bear. There is limited and inadequate devolution of financial resources and whatever financial resources are there with the Gram Panchayats is largely inelastic in yields and panchayats' revenue autonomy and fiscal autonomy are in general low in the State.

PRIs are authorized to collect taxes, rates and tolls to meet up their expenditure and though during the last few years the collection figure is increasing steadily still it remains highly inadequate for discharging their responsibilities properly. Several institutional measures relating to panchayat finance have, however, recently been taken in West Bengal. One important step is compilation of correct data related to collection of own source revenue and its utilization by the panchayats. Such data are being collected in the State systematically from the year 2002-03. The Panchayats are required to frame and adopt bye-laws of their own for collecting non-tax revenue. Over the last couple of years most of the panchayat bodies have re-drafted their bye-laws / adopted new bye-laws for maximizing their revenue. The Panchayat Incentive Scheme and the direction of Twelfth

Finance Commission to release incentive grant to the tune of 20% on the basis of their revenue mobilization initiatives has motivated the panchayats to earn more revenue from own sources and a healthy competition is being observed in many areas.

During the five year period from 2002-03 to 2006-07 gram panchayats in the districts could mobilize own source revenue (OSR) about four times from Rs 141.00 lakh to Rs 550.10 lakh, registering a growth of 58 per cent per annum, which was much higher than 23.8 per cent per annum for West Bengal as a whole. During 2002-03 to 2005-06 all the districts of West Bengal recorded increase in per capita OSR of all tiers of PRIs except Purba Medinipur and Purulia districts of West Bengal. The largest increase was registered in Bankura district followed by Darjeeling district, the smallest increase being registered in Nadia district. All the three tiers of panchayats – Gram Panchayat, Panchayat Samiti and Zilla Parishad recorded significant increase in own source revenue during 2003-04 to 2007-08, non-tax revenue of Gram Panchayats recording higher increase than tax revenue during this period. Of the three tiers of panchayats Zilla Parishad registered highest growth rate followed by Panchayat Samitis, Gram Pachayats recording the lowest growth rate (Table 7.10). During 2005-06 Burdwan Zilla Parishad recorded largest receipt and expenditure followed by South 24-Parganas, the smallest ones being witnessed in Howrah (Table 7.10). During 2005-06 per capita own source revenue collection by Panchayat Samiti and Zilla Parishad was highest in Burdwan district. During 2006-07 and 2007-08 per capita revenue collection by Panchayat Samiti was highest in Burdwan while that by Zilla Parishad was highest in South 24-Parganas district (Table 7.11 and Table 7.12).

During 2007-08 Burdwan district recorded the largest collection of tax revenue followed by North 24-Parganas district, the smallest collection being registered in Purulia. The rate of growth of tax revenue during 2002-03 to 2007-08 was highest in Darjeeling district and South 24-Parganas district registered negative growth rate during this period while Burdwan district recorded the largest non-tax revenue collection followed by Paschim Medinipur district, the lowest collection being registered in Purulia. The rate of growth of non-tax revenue during 2002-03 to 2007-08 was highest in Bankura followed by Darjeeling while Purulia district registered negative growth rate during this period. During 2007-08 Burdwan district recorded the largest own source revenue collection followed by Paschim Medinipur district, the lowest collection being registered in Purulia. The rate of growth of own source revenue during 2002-03 to 2007-08 was highest in Bankura district followed by Darjeeling while Purulia district registered the lowest growth rate during this period (Table 7.13 to Table 7.15)

During 2007-08 Darjeeling district recorded the highest per capita own tax revenue of gram panchayats followed by Howrah district, the lowest revenue being registered in Purulia. The rate of growth of own source tax revenue during 2002-03 to 2007-08 was highest in Darjeeling followed by Howrah, and South 24-Parganas district registered the lowest growth rate during this period while Bankura district recorded the highest per capita own non-tax revenue of gram panchayats followed by Burdwan district, the lowest revenue being registered in Purulia. The rate of growth of own source tax revenue during 2002-03 to 2007-08 was highest in Bankura followed by Darjeeling while Purulia district registered the lowest growth rate during this period. During 2007-08 Bankura district recorded the highest per capita own source revenue of gram panchayats followed by Burdwan district, the lowest revenue being registered in Purulia. The rate of growth of own source tax revenue during 2002-03 to 2007-08 was highest in Bankura followed by Paschim Medinipur while Howrah district registered the lowest growth rate during this period (Table 7.16 to Table 7.18).

During 2005-06 Hooghly district recorded the highest percentage of tax collection to tax demand followed by Malda, the lowest percentage being registered in Purulia (Table 7.18). Percentage of cumulative revenue collection to demand of Gram Panchayats (GPs) in districts of West Bengal recorded decline from 32.99 in 2002-03 to 28.10 in 2005-06 (Table 7.19).

Growth of own source revenue at gram panchayat level could be attributed to growth of non-tax revenue as tax revenue have remained stagnated during 2005-06 across districts except in Darjeeling. Gram Panchayats in Uttar Dinajpur, Darjeeling, Murshidabad and Bankura have registered substantial improvement in non-tax revenue mobilization whereas non-tax revenue mobilization by Gram Panchayats in South 24-Parganas has declined. Growth of own source revenue of Panchayat Samities in different districts is not quite encouraging except for Bankura, Dakshin Dinajpur and North 24-Parganas. PRIs in Jalpaiguri, Purulia, Howrah and Maldah districts have recorded considerable decline in own source revenue mobilised together by all the tiers.

Pattern of utilisation of funds by Gram Panchayats: Most of the districts of the state (10 districts) recorded higher percentage of development expenditure of gram panchayats incurred out of total own source revenue than that of establishment expenditure out of that during 2002-03. But only 3 districts did the same during 2004-05 (Table 7.20). This shows that the percentage of establishment expenditure of gram panchayats out of own source revenue collection increased in most of the districts.

Table 7.10 Own Source Revenue of Three Tier Panchayats, 2003-04 to 2007-08 (Rs Crore)

Year	Gram panchayat			Panchayat samiti	Zilla parishad	All Tiers
	Tax	Non-Tax	Total			
2003-04	15.61	17.98	33.59	8.25	10.07	51.91
2004-05	16.9	21.07	37.97	12.68	13.78	64.43
2005-06	20.2	25.42	45.62	15.44	13.03	74.09
2006-07	22.79	31.85	54.65	17.61	28.01	100.27
2007-08	22.6	39.01	61.61	15.5	35.73	112.84
AGR	11.19	29.24	20.85	21.97	63.70	29.34

Source: As in Table 7.1

Table 7.11 Revenue Mobilisation of Panchayat Samities and Zilla Parishads in Districts of West Bengal, 2005-2006

Districts	Panchayats samitis		Zilla parishad		2005-06	
	Non-tax Collection	Per capita Collection	Non-tax collection	Per capita collection	Grand total	Per capita collection
Coochbehar.*	8991978	3.93	1719270	0.75	25073377	10.95
Jalpaiguri.*	3566015	1.06	12779000	3.82	33377429	9.97
Darjeeling*	3169881	2.90	2114219	1.93	15690488	14.35
Uttar Dinajpur.*	2153785	1.00	1851149	0.86	11007478	5.13
Dakshin Dinajpur*	4994379	3.91	4245000	3.32	17960164	14.04
Maldah .**	4383624	2.10	9245281	4.44	29597251	14.21
Murshidabad.*	12717118	1.98	8468075	1.32	42320803	6.6
Nadia.*	3504694	0.93	6055278	1.61	34169517	9.11
North 24-Parganas.*	8950614	2.08	5428284	1.26	49207549	11.44
South 24-Parganas*	6257867	1.08	11339545	1.96	45092235	7.8
Howrah *	7005106	2.57	10003359	3.67	37945871	13.92
Hooghly *	12326371	3.35	12186391	3.31	74344510	20.21
Purba Medinipur*	9845566	2.42	9133501	2.25	46025287	11.32
Paschim Medinipur.*	14475309	3.21	4403698	0.98	74875527	16.62
Bankura *	5652725	1.91	4990917	1.69	41736056	14.13
Purulia	1638517	0.93	965492	0.55	4362037	2.48
Burdwan.*	33408368	7.56	20202392	4.57	115372409	26.11
Birbhum*	11386194	4.14	5126393	1.86	38781023	14.09
Total (West Bengal)	154428111	2.6	130257244	2.19	736939011	12.42

Source: Same as in Table 7.1

Table 7.12 Revenue Collection of Panchayat Samiti and Zilla Parishad in Districts of West Bengal, 2007-08

(Rs lakh)

District	Rural population (lakh)	Panchayat samiti					Zilla parishad				
		Non-tax collection		Per capita collection			Non-tax Collection		Per capita collection (Rs)		
		2006-07	2007-08	2006-07	2007-08	Rank	2006-07	2007-08	2006-07	2007-08	Rank
Bankura	29.75	69.86	118.92	2.35	4	3	247.45	435.82	8.32	14.65	2
Birbhum	27.65	113.95	109.83	4.12	3.97	4	136.2	237.11	4.93	8.57	3
Burdwan	48.96	440.59	265.4	9.00	5.42	1	271.61	305.06	5.55	6.23	6
Coochbehar	23.04	100.28	101.7	4.35	4.41	2	33.16	28.54	1.44	1.24	15
Dakshin Dinajpur	13.14	32.39	45.18	2.46	3.44	5	33.54	54.13	2.55	4.12	10
Darjeeling (SMP)	5.34	11.51	4.97	2.16	0.93	17	23.27	15.54	4.36	2.91	11
Hooghly	36.7	130.84	107.29	3.57	2.92	7	112.84	52.3	3.07	1.43	14
Howrah	28.03	46.8	49.78	1.67	1.78	13	227.93	33.61	8.13	1.2	16
Jalpaiguri	30.17	72.72	67.48	2.41	2.24	9	308.99	149.45	10.24	4.95	9
Maldah	30.66	59.01	45.03	1.92	1.47	15	296.75	175.99	9.68	5.74	7
Murshidabad	53.99	103.12	115.96	1.91	2.15	11	71.97	88.64	1.33	1.64	13
Nadia	38.55	62.92	57.55	1.63	1.49	14	61.61	88.02	1.60	2.28	12
North 24-Parganas	42.9	76.93	104.67	1.79	2.44	8	136.65	293.97	3.19	6.85	5
Paschim Medinipur	46.86	-	103.58	0.00	2.21	10	-	335.04	0.00	7.15	4
Purba Medinipur	40.98	-	129.94	0.00	3.17	6	-	234.17	0.00	5.71	8
Purulia	23.83	70.38	43.45	2.95	1.82	12	11.14	22.44	0.47	0.94	18
South 24-Parganas	59.7	53.9	49.9	0.90	0.84	18	256.95	1000.88	4.30	16.77	1
Uttar Dinajpur	21.76	33.32	29.68	1.53	1.36	16	42.84	22.37	1.97	1.03	17
Total	602.01	-	1550.32		2.58	-	-	3573.1	-	5.94	

Source: As in Table 7.1

Table 7.13 Tax Revenue of Gram Panchayats in Districts of West Bengal , 2002-03 to 2007-08 (Rs lakh)

District	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	Rank	AGR
Cooch-Behar	27.71	39.57	42.98	39.78	49.71	41.76	15	10.14
Jalpaiguri	68.64	38.66	90.31	100.01	159.16	119.53	10	14.83
Darjeeling	45.43	38.50	66.68	72.37	68.40	131.81	7	38.03
Uttar Dinajpur	22.543	28.74	29.11	30.99	54.83	24.18	17	1.46
Dakshin Dinajpur	17.19	26.21	28.61	37.26	33.27	33.63	16	19.13
Maldah	45.91	43.86	52.47	80.77	74.52	49.41	14	1.52
Murshidabad	50.09	70.09	107.42	120.71	115.50	109.88	11	23.87
Nadia	87.62	85.73	113.28	130.07	202.62	214.32	5	28.92
North 24-Parganas	121.43	75.26	149.96	181.61	215.45	245.17	2	20.38
South 24-Parganas	101.01	106.89	138.21	142.53	157.07	95.21	12	-1.15
Howrah	133.98	88.39	101.39	118.26	154.60	173.68	6	5.93
Hooghly	141.69	150.14	179	203.98	231.27	225.3	3	11.80
Purba Medinipur	78.19	71.57	96.35	100.34	116.15	128.43	8	12.85
Paschim Medinipur	107.64	125.61	178.38	188.31	188.70	215.48	4	20.04
Bankura	36.7	46.34	53.1	63.43	62.59	67.83	13	16.96
Purulia	2.35	3.09	5.24	4.31	6.27	4.85	18	21.28
Burdawan	187.15	189.32	213.41	245.69	262.65	254.58	1	7.21
Birbhum	61.18	87.79	94.96	120.19	128.08	125.15	9	20.91
West Bengal	1306.45	1315.78	1740.86	1980.61	2280.84	2260.21	-	14.60

Source: Department of Panchayats and Rural Development, Govt. of West Bengal

Table 7.14 Non-Tax Revenue of Gram Panchayats in Districts of West Bengal, 2002-03 to 2007-08 (Rs lakh)

District	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	Rank	AGR
Cooch-Behar	20.02	48.46	67.88	103.84	97.32	112.18	14	92.07
Jalpaiguri	76.71	43.26	53.29	70.31	115.58	138.4	12	16.08
Darjeeling	0	13.47	30.6	31.70	34.08	81.25	15	125.80
Uttar Dinajpur	15.86	25.31	33.98	39.04	48.56	54.26	17	48.42
Dakshin Dinajpur	17.11	32.72	41.67	49.94	50.30	63.95	16	54.75
Maldah	51.46	61.95	76.2	78.91	90.00	117.04	13	25.49
Murshidabad	68.73	41.16	79.43	90.65	100.58	161.17	10	26.90
Nadia	87.52	70.22	214.04	116.02	135.69	174.08	8	19.78
North 24-Parganas	70.58	81.82	143.72	166.67	261.52	352.65	5	79.93
South 24-Parganas	117.09	73.24	117.15	132.42	209.30	169.29	9	8.92
Howrah	82.83	56.81	99.78	91.12	269.24	195.06	7	27.10
Hooghly	158.33	186.97	291.16	294.34	392.17	408.72	3	31.63
Purba Medinipur	64.26	123.21	293.51	170.12	252.38	289.66	6	70.15
Paschim Medinipur	97.39	161.31	261.38	371.66	361.40	457.29	2	73.91
Bankura	50.3	161.39	206.49	247.49	282.58	390.49	4	135.26
Purulia	21.89	5.63	11.3	13.27	18.28	21.52	18	-0.34
Burdawan	133.98	318.15	321.79	371.93	434.88	553.53	1	62.63
Birbhum	41.33	68.79	96.05	102.50	131.75	160.63	11	57.73
West Bengal	899.37	1573.86	2439.42	2541.93	3285.61	3901.17	-	66.75

Source: Department of Panchayats and Rural Development, Govt. of West Bengal

Table 7.15 Total Own Source Revenue of Gram Panchayats in Districts of West Bengal, 2002-03 to 2007-08

(Rs lakh)

District	Rural population (lakh)	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	Rank 2007-08	AGR
Cooch-Behar	23.04	47.73	88.03	110.86	143.62	147.03	153.94	15	44.50
Jalpaiguri	30.17	145.35	81.92	143.6	170.32	274.74	257.94	12	15.49
Darjeeling	11.25	45.43	51.97	97.28	104.06	102.48	213.06	13	73.80
Uttar Dinajpur	21.76	38.4	54.05	63.09	70.03	103.39	78.43	17	20.85
Dakshin Dinajpur	13.14	34.3	58.92	70.28	87.21	83.57	97.58	16	36.90
Maldah	30.66	97.37	105.81	128.67	159.68	164.52	166.45	14	14.19
Murshidabad	53.99	118.82	111.26	186.85	211.36	216.08	271.05	10	25.62
Nadia	38.55	175.14	155.95	327.32	246.10	338.31	388.4	7	24.35
North 24-Parganas	42.9	192.01	157.08	293.68	348.29	476.97	597.82	4	42.27
South 24-Parganas	59.7	218.1	180.13	255.36	274.95	366.37	264.5	11	4.25
Howrah	28.03	216.81	145.20	201.17	209.37	423.84	368.74	8	14.02
Hooghly	36.7	300.02	337.11	470.16	498.32	623.44	634.02	3	22.27
Purba Medinipur	40.98	142.45	194.78	389.86	270.46	368.53	418.09	6	38.70
Paschim Medinipur	46.86	205.03	286.92	439.76	559.97	550.1	672.77	2	45.63
Bankura	29.75	87	207.73	259.59	310.92	345.17	458.32	5	85.36
Purulia	23.83	24.24	8.72	16.54	17.58	24.55	26.37	18	1.76
Burdawan	48.96	321.13	507.47	535.2	617.62	697.53	808.11	1	30.33
Birbhum	27.65	102.51	156.58	191.01	222.68	259.83	285.78	9	35.76
West Bengal	607.92	2205.82	2889.64	4180.28	4522.54	5566.45	6161.38	-	35.86

Source: Department of Panchayats and Rural Development, Govt. of West Bengal

Table 7.16 Per Capita Tax Revenue of Gram Panchayats in Districts of West Bengal, 1997-98 to 2007-08 (Rs)

District	1997-98	1998-99	1999-00	2000-01	2001-02
Coochbehar	0.49	0.49	0.52	0.51	0.55
Jalpaiguri	1.08	1.41	0.95	0.93	0.81
Darjeeling	1.60	1.73	2.32	2.89	3.54
Uttar Dinajpur	0.57	0.55	0.62	0.68	0.79
Dakshin Dinajpur	1.00	0.95	1.00	1.15	1.30
Maldah	0.67	0.66	0.66	0.67	0.69
Murshidabad	0.61	0.58	0.69	0.78	0.84
Nadia	1.13	1.53	1.12	0.88	0.79
North 24-Parganas	1.49	1.7	1.7	1.72	1.76
South 24-Parganas	0.98	1.04	1.08	1.17	1.27
Howrah	1.46	1.81	2.25	2.73	3.17
Hooghly	1.90	2.36	2.58	2.96	3.27
Undivided Medinipur	3.49	1.22	1.26	1.33	1.42
Bankura	0.56	0.66	0.53	0.51	0.36
Purulia	0.07	0.07	0.06	0.61	0.07
Burdwan	1.84	1.85	2.87	3.18	3.63
Birbhum	1.41	1.66	1.48	1.48	1.40
West Bengal	1.45	1.22	1.23	1.28	1.35

Table 7.16 (continued)

District	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	Rank 2007-08	AGR
Cooch-Behar	1.20	1.72	1.87	1.73	2.16	1.81	14	26.94
Jalpaiguri	2.28	1.28	2.99	3.31	5.28	3.96	9	26.67
Darjeeling	4.04	3.42	5.93	6.43	6.08	11.72	1	63.25
Uttar Dinajpur	1.04	1.32	1.34	1.42	2.52	1.11	17	9.47
Dakshin Dinajpur	1.31	1.99	2.18	2.84	2.53	2.56	11	15.60
Maldah	1.50	1.43	1.71	2.63	2.43	1.61	15	14.03
Murshidabad	0.93	1.30	1.99	2.24	2.14	2.04	13	23.44
Nadia	2.27	2.22	2.94	3.37	5.26	5.56	5	39.20
North 24-Parganas	2.83	1.75	3.50	4.23	5.02	5.71	4	28.32
South 24-Parganas	1.69	1.79	2.32	2.39	2.63	1.59	16	6.22
Howrah	4.78	3.15	3.62	4.22	5.52	6.20	2	32.47
Hooghly	3.86	4.09	4.88	5.56	6.30	6.14	3	22.32
Undivided Medinipur	-	-	-	-	-	-	-	-14.83
Purba Medinipur	1.91	1.75	2.35	2.45	2.83	3.13	10	12.77
Paschim Medinipur	2.30	2.68	3.81	4.02	4.03	4.60	7	20.00
Bankura	1.23	1.56	1.78	2.13	2.10	2.28	12	30.71
Purulia	0.10	0.13	0.22	0.18	0.26	0.20	18	18.57
Burdawan	3.82	3.87	4.36	5.02	5.36	5.20	6	18.26
Birbhum	2.21	3.18	3.43	4.35	4.63	4.53	8	22.13
West Bengal	2.15	2.16	2.86	3.26	3.75	3.72		15.66

Source: Department of Panchayats and Rural Development, Govt. of West Bengal

Table 7.17 Per Capita Non-Tax Revenue of Gram Panchayats in Districts of West Bengal, 2002-03 to 2007-08

District	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	Rank 2007-08	AGR
Coochbehar	0.87	2.10	2.95	4.51	4.22	4.87	15	91.95
Jalpaiguri	2.54	1.43	1.77	2.33	3.83	4.59	11	16.14
Darjeeling	0.00	1.20	2.72	2.82	3.03	7.22	6	125.42
Uttar Dinajpur	0.73	1.16	1.56	1.79	2.23	2.49	17	48.22
Dakshin Dinajpur	1.30	2.49	3.17	3.80	3.83	4.87	12	54.92
Maldah	1.68	2.02	2.49	2.57	2.94	3.82	14	25.48
Murshidabad	1.27	0.76	1.47	1.68	1.86	2.99	16	27.09
Nadia	2.27	1.82	5.55	3.01	3.52	4.52	13	19.82
North 24-Parganas	1.65	1.91	3.35	3.89	6.10	8.22	4	79.64
South 24-Parganas	1.96	1.23	1.96	2.22	3.51	2.84	7	8.98
Howrah	2.96	2.03	3.56	3.25	9.61	6.96	10	27.03
Hooghly	4.31	5.09	7.93	8.02	10.69	11.14	8	31.69
Purba Medinipur	1.57	3.01	7.16	4.15	6.16	7.07	9	70.06
Paschim Medinipur	2.08	3.44	5.58	7.93	7.71	9.76	3	73.85
Bankura	1.69	5.42	6.94	8.32	9.50	13.13	1	135.38
Purulia	0.92	0.24	0.47	0.56	0.77	0.90	18	-0.43
Burdawan	2.74	6.50	6.57	7.60	8.88	11.31	2	62.55
Birbhum	1.49	2.49	3.47	3.71	4.76	5.81	5	57.99
West Bengal	1.48	2.59	4.01	4.18	5.40	6.42	-	66.76

Source: As in Table 7.14 .

Table 7.18 Per Capita Own Source Revenue of Panchayats (All Tiers) in Districts of West Bengal, 2002-03 to 2007-08

(Rs)

District	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	Rank	AGR
Bankura	3.17	8.73	11.05	14.12	22.40	34.06	1	194.89
Burdwan	13.34	19.34	23.25	26.84	32.42	28.16	2	22.22
Paschim Medinipur	4.89	6.38	11.43	14.35	24.64	23.72	3	77.01
North 24-Parganas	7.23	6.59	9.78	12.06	16.91	23.23	4	44.26
Birbhum	7.67	10.62	13.25	14.08	18.46	22.88	5	39.66
Darjeeling	4.84	6.06	10.17	14.46	18.26	22.78*	6	74.13
South 24-Parganas	4.71	5.03	8.27	8.16	11.64	22.03	7	73.55
Hooghly	13.48	16.96	21.83	22.18	25.85	21.63	8	12.09
Purba Medinipur	11.03	9.65	7.27	10.6	14.62	19.09	9	14.61
Howrah	10.29	12.02	13.57	17.9	28.22	16.13	10	11.35
Jalpaiguri	6.20	9.12	8.77	11.93	23.49	15.74	11	30.77
Dakshin Dinajpur	7.66	6.17	12.49	13.75	11.44	14.99	12	19.14
Nadia	6.65	6.49	8.20	9.43	12.77	13.85	13	21.65
Maldah	6.23	5.64	13.52	9.71	17.06	12.64	14	20.58
Coochbehar	4.74	6.09	8.44	11.13	12.45	12.34	15	32.07
Murshidabad	5.2	4.67	6.52	8.11	7.63	8.81	16	13.88
Uttar Dinajpur	3.48	4.37	5.26	5.20	8.36	6.00	17	14.48
Purulia	2.00	1.54	6.07	1.91	4.65	3.87	18	18.70
West Bengal	7.13	8.4	11.11	12.61	17.36	18.65	-	32.31

Source: Annual Administrative Report, 2005-06.

Table 7.19 Pattern of Utilisation of Own Source Revenue of Gram Panchayats in Districts of West Bengal, 2002-03 to 2007-08

(Per cent)

District	2003-04			2004-05		
	Commission	Contingency	Development	Commission	Contingency	Development
Cooch-Behar	8.70	59.14	32.17	10.84	87.3	12.7
Jalpaiguri	12.82	48.85	38.32	11.53	99.95	0.05
Darjeeling	16.26	36.13	47.61	0	0	100
Uttar Dinajpur	10.16	47.53	42.31	7.34	60.09	39.91
Dakshin Dinajpur	7.25	47.79	44.96	6.79	98.17	1.83
Maldah	7.18	38.58	54.25	4.65	55.41	44.59
Murshidabad	12.34	55.76	31.90	10.82	94.3	5.7
Nadia	10.46	46.43	43.11	9.27	51.08	48.92
North 24-Parganas	9.11	33.81	57.08	9.43	68.89	31.11
South 24-Parganas	14.55	42.19	43.26	9.23	84.05	15.95
Howrah	11.33	35.27	53.40	8.95	61.17	38.83
Hooghly	10.29	27.32	62.39	5.22	46.04	53.96
Purba Medinipur	6.53	30.16	63.30	5.96	43.24	56.76
Paschim Medinipur	10.01	29.86	60.13	8.48	43.48	56.52
Bankura	14.94	31.73	53.34	5.69	61.36	38.64
Purulia	8.19	68.74	23.06	2.54	24.18	75.82
Burdawan	16.42	47.65	35.93	8.42	56.1	43.9
Birbhum	11.94	36.26	51.79	9.85	66.69	33.31
All West Bengal	11.27	38.42	50.31	7.79	58.99	41.01

Source: As in Table 7.14 .

Table 7.20 Percentage of Cumulative Revenue Collection to Demand in Gram Panchayats (GPs) in Districts of West Bengal, 2002-03 to 2005-06

Year	Number of GPs	Total cumulative demand	Total cumulative collection	Total unrealized amount	Percentage of collection to demand
2002-03	1916	3650.96	1204.47	2446.486	32.99
2003-04	2956	5125.32	1314.71	3810.61	25.65
2004-05	3059	6594.91	1761.23	4833.68	26.71
2005-06	3173	8068.89	2267.51	5801.38	28.10

Source: Examiner of Local Accounts, Government of India

Table 7.21 Percentage of Cumulative Revenue Collection to Demand in Gram Panchayats (GPs) in Districts of West Bengal, 2005-06

Controlling GP/District	Number of GPs	Total cumulative demand (rs lakh)	Total cumulative collection (rs lakh)	Total unrealized amount (rs lakh)	Percentage of collection to demand	Rank of percentage of collection to demand
Bankura	187	262.10	81.88	180.22	31.24	7
Burdwan	265	935.18	281.08	654.10	30.06	8
Birbhum	167	448.70	131.64	317.06	29.34	9
Coochbehar	110	321.12	41.32	279.80	12.87	16
Dakshin Dinajpur	64	162.60	42.88	119.72	26.37	11
Darjeeling	126	221.17	80.60	140.57	36.44	3
Hooghly	222	523.80	217.38	306.42	41.50	1
Howrah	155	395.35	125.45	269.90	31.73	6
Jalpaiguri	142	475.89	121.20	354.69	25.47	13
Maldah	145	289.64	105.91	183.73	36.57	2
Murshidabad	253	503.26	128.08	375.18	25.45	14

Table 7.21(continued)

Controlling GP/District	Number of GPs	Total cumulative demand (rs lakh)	Total cumulative collection (rs lakh)	Total unrealized amount (rs lakh)	Percentage of collection to demand	Rank of percentage of collection to demand
Nadia	185	605.45	159.61	445.84	26.36	12
North 24-Parganas	193	680.20	182.82	497.38	26.88	10
Paschim Medinipur	283	679.55	226.10	453.45	33.27	5
Purba Medinipur	219	333.51	115.78	217.73	34.72	4
Purulia	49	65.50	4.61	60.89	7.04	18
South 24-Parganas	313	870.79	184.01	686.78	21.13	15
Uttar Dinajpur	95	295.08	37.16	257.92	12.59	17
Total	3173	8068.89	2267.51	5801.38	28.10	-

Source: As in Table 7.14 .

7.2 Municipalities

Collection of Municipal Statistics in West Bengal started from the year 1951 by the Bureau of Appled Economics and Statistics, Government of West Bengal, covering only 80 Municipalities/ Municipal Corporations. With the spread of urbanization, the number of municipalities in the State increased and reached 126 including 6 Municipal Corporations in 2004-05.

Date of establishment, population, total and per capita receipt and expenditure of individual municipalities in districts of West Bengal for 2003-04 are shown in Table 7.22. The oldest municipality is Serampore that was established in 1842. As per Census of India, Maheshtala municipality had the largest population (385266) followed by Panihati (348438), the smallest population being registered in Mirik municipality (9141). In 2004-05 Tarakeswar municipality recorded the highest per capita receipt (Rs 1504.31) while Haldia municipality the largest per capita expenditure (Rs 1415.71) during 2003-04. Total rates and taxes, non-tax revenue, receipts and expenditure and percentage of total collection to demand of individual municipalities during 2004-05 in districts of West Bengal are shown in Table 7.23. Total number, reporting number, total receipts and total expenditure of municipalities in the State during 1980-81 to 2004-05 as shown in Table 7.24 reveal the increasing trends in the values of the variables. Total number of Municipal Corporations and their total receipt and expenditure in the state as shown for the period from 1999-00 to 2004-05 in Table 7.25 also reveal the same. Rates and taxes, non-tax revenue, total own source revenue, total receipts and expenditure and percentage of total collection to total demand of individual Municipal Corporations are shown in Table 7.26 and here percentage of total collection to total demand varied between 40.25 and 64.29. Per capita rates and taxes, per capita non-tax revenue, per capita own source revenue, per capita total receipts and per capita total expenditure, ratio of tax revenue to total own source revenue and that of own source revenue to total expenditure of individual Municipal Corporations for 2004-05 are shown in Table 7.27.

District-wise total population, rates and taxes, non-tax revenue, own source revenue, total receipts and expenditure and percentage of total collection to total demand of municipalities for 2004-05 are shown in Table 7.28. In Table 7.29 are shown district-wise per capita rates and taxes, per capita non-tax revenue, per capita own source revenue, per capita receipts and per capita expenditure as well as some important ratios, namely ratio of tax to own source revenue, that of own source revenue to total receipts, own source revenue to total expenditure, total receipt to total expenditure of Municipalities and Municipal Corporations during 2004-05.

Total receipt and expenditure of individual municipalities in districts of West Bengal during 2005-06 are shown in Table 7.30**.** During 2005-06 Howrah Municipal Corporation recorded the largest receipt and expenditure followed by Tamluk municipality (Table 7.31). During 1980-81 to 2004-05 all the municipalities of West Bengal recorded increase in income and expenditure. Municipalities in districts of West Bengal spend their

receipts for providing urban services like lighting, water supply, drainage, conservancy and public works of which the most important items of expenditure were water supply, conservancy and public works (Table 7.32).

Table 7.22 Date of Establishment, Population, Per Capita Receipts and Per Capita Expenditure of Municipalities in Districts of West Bengal, 2003-04

Districts	Municipalities	Total number of wards	Year of establishment	Population 2001	Receipts (Rs. lakh)	Expenditure (Rs. lakh)	Per capita Receipts (Rs)	Per capita expenditure (Rs)
Burdwan	Burdwan sd	35	1865	285602	1646.28	1805.87	576.42	632.3
	Kalna	18	1869	52182	332.62	443.57	637.42	850.04
	Jamuria	22	1995	129484	409.38	523.12	316.16	404
	Memari	16	1995	36207	156.63	188.46	432.66	520.58
	Katwa	19	1869	71589	387.01	445.91	540.6	622.88
	Dainhata	14	1869	22597	218.16	153.57	965.44	679.6
	Raniganj	21	1876	111116	467.36	501.78	420.61	451.58
	Gushkara	16	1888	31867	183.58	155.03	576.08	486.49
	Kulti	35	1993	289903	437.68	475.17	150.97	163.91
Birbhum	Suri	18	1876	61806	447.89	463.97	724.67	750.69
	Bolpur	18	1950	65693	274.44	294.46	417.76	448.24
	Rampurhat	17	1950	50693	206.14	222.75	407.29	440.1
	Dubrajpur	16	1984	32752	209.53	253.91	639.75	775.25
	Sainthiya	16	1987	39145	70.67	219.93	180.53	561.83
Bankura	Nolhati	16	2000	34058	178.85	91.7	525.13	269.25
	Bankura	23	1869	128781	623.91	672.61	484.47	522.29
	Bishnupur	19	1873	61947	238.02	247.07	384.23	398.84
	3Sonamukhi	15	1886	27354	140.39	143.2	513.23	523.51
Undivided Medinipur	Medinipur	24	1865	149769	670.76	623.23	447.86	416.13
	Kharagpur	30	1954	188761	410.16	369.51	217.29	195.76
	Tamaluk	19	1864	45830	303.81	310.73	662.91	678.01
	Ghatal	17	1869	51582	245.1	214.76	475.17	416.35
	Chandrakona	12	1869	20398	91.25	104.99	447.35	514.71
	Jhargram	17	1982	53145	195.4	187.77	367.67	353.32
	Haldia	25	1997	170673	2174.05	2411.98	1276.05	1415.71
	Ramjibanpur	11	1876	17364	103.01	75.8	593.24	436.54
	Khirpai	10	1876	14548	97.98	96.08	673.49	660.43
	Kharar	10	1888	11580	82.89	59.76	715.8	516.06
	Contai	18	1958	77513	364.69	327.47	470.49	422.47
	Egra	14	1993	25180	163.18	203.7	648.05	808.98
	Panskura	17	2001	49818	56.83	56.82	114.08	114.06

Table 7.22 (continued)

Districts	Municipalities	Total number of wards	Year of establishment	Population 2001	Receipts (Rs. lakh)	Expenditure (Rs. lakh)	Per capita Receipts (Rs)	Per capita expenditure (Rs)
Howrah	Uluberia	28	1982	202135	593.9	932.72	293.81	461.43
	Bally	29	1883	260906	1224.24	1137.69	339.21	315.23
Hooghly	Hooghly	30	1865	170206	925.72	1029.4	543.88	604.8
	Bansberia	22	1869	104412	509.67	617.37	488.13	591.28
	Serampore	25	1842	197857	568.86	572.51	287.51	289.36
	Baidyabati	22	1869	108229	367.88	386.9	339.91	357.48
	Rishra	23	1944	113305	648.03	618.61	571.93	545.97
	Konnagar	19	1944	72177	400.83	439.33	555.34	608.68
	Uttarpara	24	1964	150363	606.12	667.59	403.1	443.99
	Champdani	22	1917	103246	504.63	545.90	488.76	528.74
	Bhadreswar	20	1869	106071	689.87	741.48	650.39	699.04
	Arambag	18	1886	56140	298.13	307.11	531.05	547.04
	Tarakeswar	15	1975	28187	424.02	364.48	1504.31	1293.08
Purulia	Jhalda	12	1888	17872	189.86	115.40	1062.33	645.70
	Raghunathpur	13	1888	21932	132.53	144.82	604.28	660.31
	Purulia	22	1876	113806	253.43	519.76	222.69	456.71
North 24-Parganas	Bidhannagar	23	1989	164221	1850.71	1827.60	1126.96	1112.89
	Gopalpur	27	1994	271811	1096.65	1071.00	403.46	394.02
	Kanchrapara	24	1917	126191	404.87	457.92	320.84	362.88
	Halisahar	23	1903	124510	481.39	570.43	386.63	458.14
	Naihati	28	1869	215303	1276.83	1425.33	593.04	662.01
	Bhatpara	35	1899	442385	1322.22	1650.97	298.88	373.20
	Garulia	21	1896	79926	315.78	340.40	395.09	425.89
	N-Barrackpore	22	1869	123668	617.12	630.77	499.01	510.05
	Barrackpore	24	1916	144391	955.35	791.82	661.64	548.39
	Titagarh	23	1895	124213	603.73	714.71	486.04	575.39
	Khardah	21	1920	116470	534.83	547.99	459.20	470.50
	Panihati	35	1900	348438	1293.92	1181.33	371.35	339.04
	Kamahati	35	1899	314507	1022.35	883.66	325.06	280.97
	Baranagar	33	1869	250768	842.79	787.93	336.08	314.21
	North Dum Dum	30	1870	220042	1074.60	1033.63	488.36	469.74
	South Dum Dum	35	1870	392444	1754.03	1089.43	446.95	277.60
	Dum Dum	22	1929	101296	690.04	673.90	681.21	665.28
	New Barrackpore	19	1965	83192	529.71	526.83	636.73	633.27
	Barasat	30	1869	231521	595.20	648.22	257.08	279.98
	Gobardanga	17	1870	41625	207.74	256.61	499.08	616.48
	Ashokenagar	22	1968	111607	284.81	210.66	255.19	188.75
	Baduria	17	1869	47417	176.12	189.08	371.43	398.76
	Bashirhat	22	1869	113159	390.46	429.66	345.05	379.70
	Taki	16	1869	37305	174.84	217.65	468.68	583.43
	Bangaon	21	1954	102163	445.20	512.69	435.77	501.84
	Habra	22	1979	127602	564.62	388.81	442.49	304.71
	Madhyagram	23	1993	155451	797.74	863.12	513.18	555.24

Table 7.22 (continued)

Districts	Municipalities	Total num-ber of wards	Year of establishment	Population 2001	Income (Rs. lakh)	Expendi-ture (Rs. lakh)	Per capita income (Rs)	Per capita expenditure (Rs)
South 24parganas	Budge Budge	20	1900	75531	693.61	703.58	918.31	931.51
	Rajpur-Sonarpur	33	1876	336707	1197.66	1153.66	355.70	342.63
	Pujali	15	1993	33858	361.63	293.79	1068.08	867.71
	Baruipur	17	1869	44913	190.38	194.93	423.89	434.02
	Jaynagar-azilpur	14	1869	23315	277.10	273.92	1188.51	1174.87
	Dimond arbour	16	1982	37234	219.97	208.07	590.78	558.82
	Maheshtala	35	1993	385266	1080.68	1187.21	280.50	308.15
Nadia	Taherpur	13	1993	20051	86.98	124.99	433.79	623.36
	Kishnanagar	24	1864	139110	788.47	798.40	566.80	573.93
	Nabadwip	24	1869	115016	603.82	545.73	524.99	474.48
	Santipur	23	1853	138235	580.22	639.55	419.73	462.65
	Ranaghat	19	1864	68749	399.74	472.28	581.45	686.96
	Birnagar	14	1869	26597	147.36	162.66	554.05	611.57
	Chakdah	20	1886	86999	456.75	480.59	525.01	552.41
	Gayeshpur	18	1993	55048	384.40	375.37	698.30	681.90
	Kalyani	19	1965	82135	760.69	757.84	926.15	922.68
	Koupars-Camp	12	1997	17765	68.12	98.50	383.45	554.46
Murshidabad	Berhampur	23	1869	160143	1195.59	1251.91	746.58	781.75
	Murshidabad	16	1869	36947	240.63	214.02	651.28	579.26
	Jaiganj zimganj	17	1896	47212	181.30	267.45	384.01	566.49
	Kandi	17	1869	50349	218.11	260.58	433.20	517.55
	Jangipue	20	1869	74458	338.61	355.00	454.77	476.78
	Dhulian	19	1909	72850	184.99	209.65	253.93	287.78
	Beldanga	14	1981	25361	93.49	170.71	368.64	673.12
West Dinajpore	Islampur	14	1988	52738	166.02	220.52	314.80	418.14
	Balurghat	23	1951	135737	884.02	924.68	651.27	681.23
	Raiganj	26	1951	165212	552.21	686.25	334.24	415.38
	Kaliganj	17	1987	47650	176.60	238.55	370.62	500.63
	Gangarampur	18	1993	53533	308.60	362.85	576.47	677.81
	Dalkhola	14	2003	13895	48.40	36.27	0	0
Maldah	English Bazar	25	1869	161456	1159.26	1203.47	718.00	745.39
	Old Maldah	17	1869	62959	260.33	227.12	413.49	360.74
Jalpaiguri	Jalpaiguri	25	1885	100348	630.97	825.77	628.78	822.91
	Alipurduars	20	1957	72999	265.53	344.71	363.74	472.21
	Mal	16	1989	23218	159.64	176.13	687.57	758.59
	Dhupguri	16	2002	38130	123.18	74.53	0	0
Darjeeling	Darjeeling	32	1850	107197	739.14	724.87	689.52	676.20
	Kurseong	20	1879	40019	220.69	320.15	551.46	800.00
	Kalimpong	23	1945	42998	226.74	221.70	527.33	515.61
	Mirik	9	1984	9141	-	-	0	0
Coochbehar	Coochbehar	20	1945	76874	1010.05	943.96	1313.90	1227.93
	Dinhata	16	1973	34273	358.81	283.67	1046.92	827.68
	Haldibari	11	1984	13185	99.11	73.67	751.69	558.74
	Mekliganj	9	1986	10835	275.25	303.67	2540.38	2802.68
	Mathabanga	12	1986	21107	134.96	85.98	639.41	407.35
	Tufanganj	12	1983	19310	142.29	65.98	736.87	341.69

Source: Municipal Statistics of West Bengal, 2004-05, Bureau of Applied Economics & Statistics, Govt. of West Bengal

Table 7.23 Rates and Taxes, Non-Tax Revenue of Municipalities in Districts of West Bengal, 2004-05 (in Rs lakh)

Districts	Municipalities	Total rates and taxes	Non-Tax revenue	Total receipts	Total expenditure	Total demand	Total collection	Percentage of total collection to total demand
Burdwan	Burdwan	325.31	73.63	1927.00	1787.96	502.39	263.49	52.45
	Jamuria	38.37	4.71	489.17	412.12	117.73	18.05	15.33
	Kalna	58.23	13.41	486.20	545.24	-	-	-
	Memari	24.26	68.75	333.34	337.17	-	-	-
	Katwa	69.04	76.36	539.96	516.69	-	-	-
	Dainhata	26.77	76.36	114.54	126.89	-	-	-
	Raniganj	148.81	21.87	314.47	751.58	-	-	-
	Gushkara	20.46	23.00	91.71	178.82	-	-	-
	Kulti	62.28	-	259.46	596.00	-	-	-
Birbhum	Suri	104.79	22.86	513.82	387.05	410.64	88.95	21.66
	Bolpur	90.55	18.45	375.78	280.59	100.00	31.29	31.29
	Rampurhat	55.77	9.20	203.18	216.44	124.43	31.63	25.42
	Dubrajpur	7.76	23.82	186.87	207.96	12.86	5.18	40.28
	Sainthiya	24.92	6.90	152.05	203.85	85.60	14.67	17.14
	Nolhati	61.60	2.13	97.32	99.24	8.61	3.44	39.95
Bankura	Bankura	108.20	63.03	838.65	634.45	170.28	75.23	43.01
	Bishnupur	25.86	15.15	349.14	247.55	57.91	10.26	17.72
	Sonamukhi	23.60	8.15	133.41	161.23	40.08	6.44	16.07
Paschim Medinipur	Medinipur	522.70	223.22	2542.27	780.34	218.25	146.08	66.93
	Kharagpur	14.65	49.53	457.72	437.95	152.44	56.75	37.23
	Ghatal	17.88	83.26	369.07	134.36	44.91	15.87	35.34
	Chandrakona	10.43	4.25	111.91	76.91	17.17	10.11	58.88
	Ramjibanpur	4.45	6.09	134.16	100.66	4.72	3.16	66.95
	Khirpai	2.79	9.31	32.12	113.80	6.81	3.85	56.53
	Kharar	7.98	9.97	163.94	129.57	7.12	2.50	35.11
	Jhargram	53.77	10.71	192.19	177.86	133.86	29.52	22.05
Purba Medinipur	Tamaluk	69.90	41.34	400.10	349.08	45.17	42.65	94.42
	Contai	47.02	43.55	425.65	377.06	44.19	19.47	44.06
	Egra	26.72	4.70	108.89	111.26	19.80	5.27	26.62
	Haldia	1119.57	8.97	1747.02	1723.22	1346.18	862.69	64.08
	Panskura	13.36	-	132.72	172.50	3.42	1.22	35.67
Howrah	Uluberia	32.99	14.54	587.07	628.32	366.89	26.99	7.36
	Bally	691.51	39.53	1427.28	1307.91	-	-	-
Hooghly	Chinsurah	214.70	27.00	910.88	876.51	145.84	95.45	65.45
	Bansberia	79.16	38.04	487.73	504.98	372.22	67.20	18.05
	Serampore	186.91	39.69	803.78	701.95	693.40	138.52	19.98
	Baidyabati	122.24	30.46	266.24	265.52	414.57	50.63	12.21
	Rishra	174.03	9.04	621.15	622.75	484.16	91.00	18.80
	Konnagar	86.90	72.77	438.34	421.81	106.70	40.87	38.30
	Uttarpara Kotrung	156.61	61.82	649.55	138.29	330.16	87.07	26.37

Table 7.23 (continued)

Districts	Municipalities	Rates and taxes	Non-Tax revenue	Total receipts	Total expenditure	Total demand	Total collection	Percentage of total collection to total demand
Hooghly	Champdani	68.36	2.11	332.64	393.30	377.78	51.59	13.66
	Bhadreswar	94.86	194.54	842.99	827.01	254.40	66.86	26.28
	Arambag	63.47	20.81	357.85	335.59	104.69	35.95	34.34
	Tarakeswar	20.74	42.82	430.02	435.81	54.04	10.67	19.74
Purulia	Purulia	59.17	18.15	294.51	348.53			
	Jhalda	9.68	1.58	103.04	89.35	16.04	1.35	8.42
	Raghunathpur	12.11	5.34	105.15	121.90			
North 24-Parganas	Kanchrapara	57.79	6.17	414.06	436.96	159.88	47.64	29.80
	Halisahar	163.33	115.39	554.10	553.58	230.43	69.68	30.24
	Naihati	117.37	708.04	165.74	1430.25	428.70	61.21	14.28
	Bhatpara	343.67	44.75	563.81	1492.24	11841.84	298.99	16.23
	Garulia	44.21	32.76	417.59	293.87	450.64	24.62	5.46
	North Barrackpore	110.95	22.93	166.86	700.40	566.62	54.20	9.57
	Barrackpore	157.25	206.20	393.70	747.15	198.35	154.41	77.85
	Titagarh	137.01	59.83	287.10	629.50	511.51	97.90	19.14
	Khardah	188.66	56.98	296.63	695.71			
	Panihati	169.31	118.77	407.07	1546.71	1250.80	177.51	14.19
	Kamahati	487.18	54.63	191.81	1723.97	687.97	303.18	44.07
	Baranagar	486.70	25.12	301.06	769.95	-	-	-
	North Dum Dum	297.38	82.44	558.63	1298.44	-	-	-
	South Dum Dum	500.72	76.73	1016.24	1928.93	1684.66	469.81	27.89
	Dum Dum	274.99	125.70	132.64	771.19	490.35	126.57	25.81
	New Barrackpore	101.91	90.10	140.69	448.42	51.70	28.52	55.16
	Barasat	307.47	9.62	208.52	1212.03	346.15	77.14	22.29
	Gobardanga	12.32	2.02	47.96	159.17	56.19	6.03	10.73
	Ashokenagar-Kalyangarh	59.58	37.73	293.59	230.84	76.44	21.65	28.32
	Baduria	11.12	4.10	28.29	252.89	27.68	8.11	29.30
	Bidhannagar	823.21	241.82	272.03	2005.72			
	Bashirhat	62.73	12.03	333.25	817.09	66.44	27.64	41.60
	Taki	17.91	29.49	117.67	230.32	22.81	8.64	37.88
	Bangaon	179.37	7.62	137.05	615.65	61.56	11.49	18.66
	Habra	158.52	22.81	518.18	488.38	259.90	33.87	13.03
	Madhyagram	199.98	154.23	876.07	836.29	-	-	-
	Rajarhat-Gopalpur	388.69	118.24	1024.31	925.34	103.60	107.01	103.29
South 24parganas	Budge Budge	189.76	34.54	705.02	741.74	738.90	170.13	23.02
	Sonapur	296.71	432.44	2141.68	2237.94			
	Baruipur	26.42	24.63	193.61	217.20	44.98	20.49	45.55
	Jaynagar Majilpur	16.29	12.57	254.31	268.94	47.11	11.49	24.39
	Pujali	190.08	7.21	331.25	255.14	361.11	187.55	51.94
	Dimond Harbour	60.16	100.47	268.63	214.86	-	-	-
	Maheshtala	314.42	324.83	1326.63	1250.11	431.61	144.45	33.47

Table 7.23 (continued)

Districts	Municipalities	Rates and Taxes	Non-Tax revenue	Total receipts	Total expenditure	Total demand	Total collection	Percentage of total collection to total demand
Nadia	Kishnanagar	269.50	268.16	999.00	654.39	-	-	-
	Nabadwip	67.76	63.88	606.02	595.27	63.46	38.13	60.09
	Santipur	31.76	86.36	588.14	808.72	70.66	19.22	27.20
	Ranaghat	252.38	-	588.14	510.41	46.90	41.62	88.74
	Birnagar	14.99	21.61	124.40	128.48	4.20	3.19	75.95
	Chakdah	105.70	14.40	435.96	345.45	108.78	17.75	16.32
	Taherpur	7.23	2.58	202.99	132.36	12.09	2.00	16.54
	Ranaghat Coopers'Camp	2.42	1.40	74.90	76.96	7.08	0.70	9.86
	Kalyani	270.81	60.63	972.71	977.88	1018.80	511.53	50.21
	Gayeshpur	50.02	24.28	430.40	478.63	673.60	47.74	7.09
Murshidabad	Berhampur	308.72	68.94	1309.97	1202.66	622.23	255.70	41.09
	Murshidabad	35.16	7.24	204.97	230.27	58.62	15.52	26.48
	Jiaganj Azimganj	26.37	1.94	229.11	225.35	100.12	10.98	10.97
	Kandi	30.31	39.85	262.17	244.78	52.35	22.40	42.79
	Jangipur	37.63	14.23	292.29	280.43	74.21	10.17	13.70
	Dhulian	6.09	2.66	200.98	294.34	4.82	1.44	29.88
	Beldanga	22.96	3.93	274.04	206.89	86.52	12.66	14.63
West Dinajpore	Islampur	2.74	37.92	173.12	164.60	148.72	14.90	10.02
	Balurghat	93.91	63.46	855.60	864.89	91.15	56.42	61.90
	Raiganj	60.19	49.01	652.92	728.68	148.34	47.26	31.86
	Kaliaganj	27.62	27.62	164.22	179.12	37.58	9.13	24.30
	Gangarampur	14.09	17.33	291.26	299.02	40.47	11.12	27.48
	Dalkhola	4.83	4.47	62.71	58.95	-		
Maldah	English Bazar	354.66	74.53	1418.22	1480.51	350.63	130.60	37.25
	Old Maldah	54.53	23.68	217.85	191.37	48.13	28.43	59.07
Jalpaiguri	Jalpaiguri	127.61	85.86	613.26	624.98			
	Alipurduars	49.98	6.77	247.10	265.36	176.22	36.31	20.61
	Mal	8.50	27.98	142.98	194.24	60.23	6.80	11.29
	Dhupguri	4.77	2.10	114.92	60.22	-		
Darjeeling	Darjeeling	155.34	57.07	798.48	668.03	-		
	Kurseong	37.38	9.97	236.00	201.53	66.47	28.35	42.65
	Kalimpong	38.36	9.44	281.88	205.69	154.56	33.53	21.69
	Mirik	2.13	3.00	24.32	38.27	11.49	1.27	1.14
Coochbehar	Coochbehar	194.13	267.18	928.00	996.68	274.80	94.68	34.45
	Dinhata	37.01	10.41	302.82	320.99	43.25	22.14	51.19
	Tufanganj	18.05	67.18	157.04	152.34	38.97	11.82	30.33
	Mekliganj	12.40	2.01	133.45	101.56	29.82	5.72	19.18
	Mathabanga	22.96	17.54	144.18	156.32	52.88	14.32	27.08
	Haldibari	13.17	23.49	110.28	98.82	-	-	-

Source: Government of West Bengal, *Municipal Statistics of West Bengal 2004-05.*

Table 7.24 Receipt and Expenditure of All Municipalities of West Bengal, 1980-81 to 2004-05 (Rs. in Lakh)

Year	Municipalities			
	Total number	Reporting number	Total receipt	Total expenditure
1980-81	96	96	2938.65	2667.78
1990-91	104	104	13433.00	13703.20
2000-01	117	116	65912.95	53380.84
2001-02	117	116	66057.00	61265.24
2002-03	120	115	55612.07	58370.71
2003-04	120	119*	59021.16	60852.82
2004-05	120	120	68884.69	64929.72

Source: Government of West Bengal, *Municipal Statistics of West Bengal, 2004-05*

Table 7.25 Receipt and Expenditure of All Municipal Corporations of West Bengal, 1990-00 to 2004-05

(Rs. in Lakh)

Year	Municipal Corporations			
	Total number	Reporting number	Total receipt	Total expenditure
1999-00	6	6	59310.45	64479.01
2000-01	6	6	69904.97	75604.62
2001-02	6	6	73221.61	78695.43
2002-03	6	6	74451.86	69864.29
2003-04	6	5*	85090.22	73188.45
2004-05	6	6	103961.23	90570.51

Source: Government of West Bengal, *Municipal Statistics of West Bengal 2004-05*

Table 7.26 Own Source Revenue, Total Receipt and Total Expenditure and Percentage of Total Collection to Total Demand of Municipal Corporations of West Bengal, 2003-04

Municipal Corporation	Rates and taxes	Non-tax revenue	Total receipt	Total expenditure	Total demand	Total collection	Percentage of total collection to total demand
Asansol	688.09	2.11	2008.33	1380.85	-		
Durgapur	685.09	94.89	3392.55	3302.60	-		
Chnadernagore	255.38	212.94	1678.39	1655.73	165.05	106.11	64.29
Howrah	1375.11	1096.43	7069.68	7318.65	-		
Siliguri	481.11	360.51	2717.38	2670.49	1024.24	412.25	40.25

Source: Same as in Table 7.14

Table 7.27 Per Capita Rates and Taxes, Per Capita Non-Tax, Per Capita Own Source Revenue, Per Capita Total Receipt, Per Capita Total Expenditure, Ratio of Tax Revenue to Own Source Revenue and Ratio of Own Source Revenue to Total Expenditure of Municipal Corporations, 2004-05

Municipal Corporation	Per capita rates &taxes	Per capita non-tax	Per capita own source revenue	Per capita total receipt	Per capita total expenditure	Own tax revenue/ own source revenue	Own source revenue/total expenditure
Asansol	144.73	0.44	145.17	422.42	290.44	34.37	49.98
Durgapur	138.85	19.23	158.08	687.58	669.35	22.99	23.62
Chnadernagore	157.46	131.29	288.75	1034.85	1020.88	27.90	28.28
Howrah	136.48	108.82	245.31	701.68	726.39	34.96	33.77
Siliguri	169.05	126.67	295.72	954.80	938.32	30.97	31.52

Source: Same as in Table 7.14

Table 7.28 Revenue and Expenditure and Percentage of Collection to Demand of Municipalities and Municipal Corporations in Districts of West Bengal, 2004-05

District	Population (as per census 2001)	Rates and taxes	Non-tax revenue	Own source revenue	Total receipts	Total expenditure	Total demand	Total collection	Percentage of total collection to total demand
Burdwan	1999391	2146.71	393.07	2539.78	11420.5	9937.81	620.12	281.54	45.40
Birbhum	284047	345.39	83.36	428.75	1529.02	1395.13	742.14	175.16	23.6
Bankura	218082	157.66	86.33	243.99	1321.2	1043.23	268.27	89.93	33.52
Purba Medinipur	369014	1276.57	98.56	1375.13	2814.38	2733.12	1458.76	931.3	63.84
Paschim Medinipur	507147	522.7	223.22	745.92	2542.27	2064.92	585.28	267.84	45.76
Howrah	1470573	2099.65	1150.6	3250.25	9084.03	9254.88	366.89	26.99	7.36
Hoogly	1372380	1523.36	752.04	2275.4	1819.56	7678.25	3503.01	841.92	24.03
North 24-Parganas	4611626	5859.43	2466.25	8325.68	24806.8	23289	9574.22	2215.82	23.14
South 24Parganas	936824	1093.84	936.69	2030.53	5221.13	5185.93	1623.71	534.11	32.89
Nadia	749705	1127.17	488.7	1615.87	5127.66	4708.55	2005.57	681.88	34
Murshidabad	467320	467.24	138.79	606.03	2773.53	2684.72	998.87	328.87	32.92
Uttar Dinajpur	279495	95.38	91.4	186.78	1052.97	1131.35	334.64	71.29	21.3
Dakshin Dinajpur	189270	108	80.79	188.79	1146.86	1163.91	131.62	67.54	51.31
Maldah	224415	409.19	98.21	507.4	1636.07	1671.88	398.76	159.03	39.88
Jalpaiguri	234695	190.96	122.71	313.67	1118.3	1144.8	236.45	43.11	18.323
Darjeeling	483957	714.32	439.99	1154.31	4058.06	3784.01	1356.76	475.4	35.04
Coochbehar	175584	297.72	387.81	685.53	1776.07	1826.78	439.72	148.68	33.81
Purulia	153610	80.96	25.07	106.03	502.7	559.78	16.04	1.35	8.42
West Bengal	14727155	18516.2	8063.59	26579.8	85751	81258	24660.8	7341.76	29.77

Source: Same as in Table 7.14

Table 7.29 Per Capita Revenue and Expenditure and Some Ratios of Municipalities and Municipal Corporations in Districts of West Bengal, 2004-05

District	Per capita rates and taxes	Per capita non-tax reveneu	Per capita own source revenue	Per capita total receipts	Per capuita total expenditure	Tax/own source revenue	Own source revenue/total receipts	Own source revenue/total expenditure	Total expenditure /total receipts
Burdwan	107.37	19.66	127.03	571.20	497.04	84.52	22.24	25.56	87.02
Birbhum	121.60	29.35	150.94	538.30	491.16	80.56	28.04	30.73	91.24
Bankura	72.29	39.59	111.88	605.83	478.37	64.62	18.47	23.39	78.96
Purba Medinipur	345.94	26.71	372.65	762.68	740.65	92.83	48.86	50.31	97.11
Paschim Medinipur	103.07	44.01	147.08	501.29	407.16	70.07	29.34	36.12	81.22
Howrah	142.78	78.24	221.02	617.72	629.34	64.60	35.78	35.12	101.88

Table 7.29 (continued)

District	Per capita rates and taxes	Per capita non-tax reveneu	Per capita own source revenue	Per capita total receipts	Per capuita total expenditure	Tax/own source revenue	Own source revenue/total receipts	Own source revenue/total expenditure	Total expenditure /total receipts
Hooghly	111.00	54.80	165.80	132.58	559.48	66.95	125.05	29.63	421.98
North	127.06	53.48	180.54	537.92	505.01	70.38	33.56	35.75	93.88
South	116.76	99.99	216.75	557.32	553.57	53.87	38.89	39.15	99.33
Nadia	150.35	65.19	215.53	683.96	628.05	69.76	31.51	34.32	91.83
Murshidabad	99.98	29.70	129.68	593.50	574.49	77.10	21.85	22.57	96.80
Uttar	34.13	32.70	66.83	376.74	404.78	51.07	17.74	16.51	107.44
Dakshin	57.06	42.69	99.75	605.94	614.95	57.21	16.46	16.22	101.49
Maldah	182.34	43.76	226.10	729.04	744.99	80.64	31.01	30.35	102.19
Jalpaiguri	81.37	52.28	133.65	476.49	487.78	60.88	28.05	27.40	102.37
Darjeeling	147.60	90.92	238.51	838.52	781.89	61.88	28.44	30.50	93.25
Coochbehar	169.56	220.87	390.43	1011.52	1040.40	43.43	38.60	37.53	102.86
Purulia	52.70	16.32	69.03	327.26	364.42	76.36	21.09	18.94	111.35
West Bengal	125.73	54.75	180.48	582.26	551.76	69.66	31.00	32.71	94.76

Source: Same as in Table 7.14

Table 7.30 Total Receipts and Total Expenditure of Municipalities in Districts of West Bengal, 2005-06

(Rs thousand)

Districts	Municipalities	Total receipts	Total expenditure	Districts	Municipalities	Total receipts	Total expenditure
Burdwan	Kulti	81293	67456	Purba Medinipur	Tamluk	665731	50554
	Asansol(M.C.)	290013	279375		Haldia	209489	181287
	Raniganj	97657	86438		Egra	5688	20710
	Jamuria	86519	90467		Contai	64859	64955
	Durgapur(M.C.)	566285	509564		Panskura	30569	21398
	Burdwan	212522	206892	Howrah	Howrah(M.C.)	706968	731865
	Gushkara	32585	31239		Uluberia	142729	130791
	Memari	40320	35720		Bally	84497	62832
	Katwa	50942	63673		Chinsurah	138139	111368
	Dainhata	18274	17046		Bansberia	70496	65892
	Kalna	39990	39519		Tarakeswar	67053	67053
	Suri	34789	41652		Bhadreswar	106596	105636
Birbhum	Bolpur	39284	47206	Hooghly	Champdani	42112	42112
	Rampurhat	40062	26105		Chandannagar(MC)	195822	182860
	Dubrajpur	41070	26967		Serampore	127019	126808
	Sainthiya	25858	25345		Rishra	72188	67533
	Nolhati	27766	13220		Baidyabati	35047	21664

Table 7.30 (continued)

Districts	Municipalities	Total receipts	Total expenditure	Districts	Municipalities	Total receipts	Total expenditure
Bankura	Bankura	79791	77071	Hooghly	Konnagar	64443	62427
	Bishnupur	37907	46480		Uttarpara Kotrung	109527	109527
	Sonamukhi	23137	18613		Arambag	50003	47341
Paschim Medinipur	Medinipur	98901	108529	Purulia	Purulia	65287	61895
	Kharagpur	44246	44012		Jhalda	13177	9217
	Jhargram	35215	24125		Raghunathpur	19958	10970
	Ghatal	36872	46065		Islampur	29770	23922
	Kharar	15728	2141	Uttar Dinajpore	Raiganj	92707	76171
	Khirpai	15527	11095		Kaliaganj	32636	25101
	Ramjibanpur	17027	13993		Dalkhola	23192	15854
	Chandrakona	19181	17240	Dakshin Dinajpore	Gangarampur	58582	41564
					Balurghat	151633	111939
North 24-Parganas	Bangaon	94075	59443	South 24parganas	Maheshtala	186513	151980
	Gobardanga	20409	9886		Budge Budge	77872	75820
	Habra	61594	56872		Pujali	38621	49845
	Ashokenagar-Kalyangarh	52937	45974		Rajpur-Sonapur	215429	165515
	Barasat	118372	86397		Baruipur	36158	26924
	Madhyagram	144876	97437		Jaynagar Majilpur	22036	15911
	Rajarhat-Gopalpur	169084	126894		Dimond Harbour	36516	27965
	Kanchrapara	56408	54019		Kishnanagar	101248	101313
	Halisahar	70211	70637		Ranaghat	65220	75890
	Naihati	154768	151436		Birnagar	19287	20676
	Bhatpara	192302	152290		Santipur	88697	76313
	Garulia	48918	44868		Nabadwip	69191	71795
	North Barrackpore	78107	77379	Nadia	Chakdaha	66744	68787
	Barrackpore	112725	81655		Kalyani	88548	135515
	Titagarh	105923	95771		Gayeshpur	53223	43482
	Khardah	95199	82099		Coopers' Camp(N.A.)	16949	13122
	Panihati	216073	162438		Taherpur(N.A.)	14067	17581
	New Barrackpore	92563	84659		Berhampur	178779	136058
	Kamahati	215742	166483		Kandi	34773	30626
	Baranagar	233275	275063		Jangipur	98712	33465
	South Dum Dum	229579	227246	Murshi-dabad	Jiaganj Azimganj	28263	20243
	North Dum Dum	228787	202795		Murshidabad	33294	21140
	Dum Dum	94032	81931		Dhulian	51876	37979
	Bidhannagar	261148	225284		Beldanga	37397	15779

Table 7.30 (continued)

Districts	Municipalities	Total receipts	Total expenditure	Districts	Municipalities	Total receipts	Total expenditure
North 24-Parganas	Baduria	34358	26538	Jalpaiguri	Jalpaiguri	97440	73665
	Taki	37286	28040		Mal	20931	15645
	Bashirhat	64658	57965		Alipurduars	31705	17714
Maldah	English Bazar	172649	154469		Dhupguri	13501	9306
	Old Maldah	35414	29088		Mekliganj	7976	3899
Darjeeling	Darjeeling	69524	71235		Haldibari	9982	8533
	Kalimpong	34618	39174	Coochbehar	Mathabanga	14017	10568
	Kurseong	43608	41432		Coochbehar	73663	75134
	Mirik	12527	8924		Tufanganj	10678	10296
	Siliguri(MC)	239456	237797		Dinhata	13324	9808

Source: Government of West Bengal, *District Statistical Handbook, 2006*

Table 7.31 Percentage of Expenditure by Municipalities on Urban services in Districts of West Bengal, 1997-98 to 2004-05

District	Lighting		Water supply		Drainage		Conservancy		Public works	
	1997-98	2004-05	1997-98	2004-05	1997-98	2004-05	1997-98	2004-05	1997-98	2004-05
Burdwan	3.94	3.42	9.92	1030	4.76		11.56	5.32	22.61	18.11
Birbhum	4.97	5.98	7.79	8.93	12.91	10.52	9.34	14.73	21.47	14.45
Bankura	2.95	1.87	17.80	10.93	13.23	5.97	21.57	27.13	14.52	18.82
Medinipur	7.33	-	7.94	-	6.99	-	8.65	-	32.14	-
Paschim Medinipur	-	8.24	-	9.99	-	3.89	-	18.26	-	22.19
Purba Medinipur	-	5.90	-	7.59	-	3.61	-	1.77	-	22.87
Howrah	4.17	0.61	8.62	3.18	10.02	1.94	12.30	2.25	17.88	4.52
Hoogly	2.53	3.02	14.23	11.80	8.78	7.92	12.41	14.87	10.86	13.02
North 24-Parganas	4.18	3.82	14.33	11.11	9.54	10.19	10.86	8.06	15.90	20.27
South 24Parganas	2.71	3.74	8.04	5.39	5.33	6.81	13.33	2.69	16.48	22.12
Nadia	2.52	3.96	7.39	9.52	5.23	6.16	15.76	9.34	23.24	17.19
Murshidabad	2.64	3.25	4.27	3.48	5.46	9.62	15.33	15.15	19.37	25.74
Uttar Dinajpur	4.33	5.69	1.57	2.60	3.42	4.52	3.97	10.04	26.74	36.88
Dakshin Dinajpur	2.88	4.11	1.04	7.21	2.28	5.66	2.65	4.49	17.82	26.89
Maldah	3.74	8.98	7.86	8.37	10.45	3.84	14.70	13.19	19.66	2.37
Jalpaiguri	8.40	7.62	5.45	8.75	6.11	5.09	19.87	17.03	20.55	13.17
Darjeeling	7.32	4.11	36.81	6.29	1.6	4.62	15.64	22.11	12.27	30.51
Coochbehar	5.52	4.67	1.33	2.71	7.26	2.04	11.15	9.83	27.18	19.49
Purulia	2.00	3.53	3.37	5.53	8.29	2.07	5.61	27.23	26.44	8.27
West Bengal	4.41	3.73	12.78	8.56	7.45	6.57	11.52	9.11	18.56	17.93

Source: Municipal Statistics of West Bengal, Bureau of Applied Economics and Statistics, Government of West Bengal

Chapter 8

RURAL DEVELOPMENT PROGRAMMES AND SOCIAL SECURITY SCHEMES IN DISTRICTS OF WEST BENGAL

Rural development programmes and social welfare schemes have been adopted in India against the backdrop of the failure of the percolation theory of economic development to alleviate poverty and generate sufficient employment in rural areas. Since the early eighties a plethora of rural development programmes has been adopted and some social welfare schemes are also in operation for the economically distressed families.This chapter presents database of rural development programmes and social welfare schemes in districts of West Bengal. Section 8.1 does so for the former while section 8.2 for the latter.

8.1 Rural Development Programmes

Rural development programmes adopted in India as centrally sponsored programmes are broadly divided into two categories: one, self employment programmes and second, wage employment programmes. The former being implemnented currently is Swarna Jayanti Swarojgar Yojana (SGSY) and the massive wage employment programme in operation is National Rural Employment Guarantee Scheme (NREGS).

8.1.1 Swarna Jayanti Gram Swarojgar Yojana (SGSY):

It was launched from April 1999. This is a holistic programme covering all aspects of self-employment such as organization of the poor into Self Help Groups (SHGs) and providing them training, credit, technology, infrastructure and marketing opportunities. SHGs are voluntary associations of people formed to achieve social and economic goals and in the nature of community based organizations. The groups are being formed for augmenting income of their members by taking up micro-enterprises as well as ensuring benefits to their families under various development programmes. Formation of SHGs by members, particularly the women and those from the poorest section of the society has been given priority.

The Yojona aims at alleviating rural poverty by facilitating creation of self employment opportunities for the poor. The primary objectives of the groups are to mobilize saving of individual members, to ensure availability of need-based financial services to them and to take up income generating activities. When the groups seek to undertake economic activities, SGSY assistance is provided to them in the form of bank credit and subsidy. The scheme also envisages creation of an enabling environment for the groups to function effectively through such activities.

The SHGs are also encouraged to participate in various development activities. Individuals living below the poverty line can be assisted under SGSY, but the major thrust of the scheme is on development of the groups. The scheme is implemented in the District Rural Development Cells (DRDC) of the Zilla Parishads. Like other centrally sponsored programmes, SGSY is funded by both the Central and the State Governments in the ratio of 75:25.

In West Bengal self help groups are of late emerging as the building blocks of poverty-focused development. It forms the social capital which facilitates financial linkage of poor households with banks and financial institutions. In order to further strengthen the SHG movement all the SHGs within a Gram Panchayat are being federated into a Cluster, also known as SANGHA, for being able to work together in improving their socio-economic status. Till March, 2007 as many as 529 numbers of SANGHAs have been formed in the State and it is proposed to expedite formation of SANGHAs to be federated further to form their federations, known as MAHASANGHAs. Those MAHASANGHAs are developed to organize delivery of various services, particularly those targeted towards the poor, to their members and their families. The MAHASANGHA formed at Tamluk I block has already started their credit cooperative for on-lending of money to the member groups and that will reduce their dependence on commercial banks in future.

During the year 2007-08 as many as 37,423 numbers of SHGs were formed in the State under SGSY, which was second highest in the country. Upto March 2008 a total of 2, 23,909 SHGs was formed, out of which 1,

81,869 numbers of groups have been formed exclusively by the women. Till February 2007 total saving of all those groups was nearly Rs 106 crore, which proves the strength of those groups. At the end of February, 2007 more than one lakh groups had Cash-Credit facilities with a total limit of Rs 248.82 crore and they have utilized the limit to the extent of Rs 202 crere. It shows that tremendous progress has been achieved in the formation of SHGs over the last 6 years. From 58708 groups in the year 2002-03, nearly 2.24 lakh groups came to existence by 2007-08. Out of these 2.24 lakh groups 1.82 lakh groups are formed by the women. This indicates that this form of organization is highly acceptable to the poor women. Progress was achieved not only in the formation of groups; group savings increased by fourteen times from Rs.13.47 crore to Rs. 199.92 crore during the period from 2002-03 to 2007-08. During the same period eleven fold increase took place in drawing of cash credit from Rs.28.28 crore to Rs.319.88 crore. This fund has been extensively utilized for undertaking various income generating activities.

The number of groups undertaking small-scale economic activities by utilizing the advances from their cash credit accounts is increasing. Many among them have acquired the skill and confidence to take up activities involving higher amount of investment. Efforts are being made to identify them and provide them with project based credit and other support. production and supply of goods and services required for running various projects of the Government like ICDS, housekeeping jobs at health centres. The State Government has set up a new department 'Department of Self Help Group and Self-Employment' with the objective, inter alia, to promote the activities of SHGs and also to coordinate the activities of SHGs formed by different agencies like government departments, NGOs and banks. Marketing of the products produced by SHGs, however, remains to be a major problem.

Progress of self-help groups(SHGs) under SGSY in West Bengal during 2002-03 to 2007-08 is shown in Table 8.1. While progress in terms of total number of SHGs and women SHGs formed, their savings deposited with banks are commendable, number of SHGs passed Grade I is much below the number of SHGs formed and the number of SHGs passed Grade II and those who took up economic activities are small compared to those passed Grade I during this period. Table 8.2 shows progress of SHGs in districts of West Bengal upto January 2009 since inception, i.e, 01.04.1999. Paschim Medinipur district recorded the largest number of SHGs formed (23407) followed by Murshidabad (21587) and the smallest number (6652) being registered in Hooghly district. Other findings across the districts of the State are similar to those as noted above in the case of the whole of the State. Number of SHGs passed Grade-I upto January 2009 was highest in Jalpaiguri closely followed by Paschim Medinipur, the smallest number being witnesed in Hooghly. Burdwan district recorded the largest number of SHGs passed Grade-II followed by Murshidabad, the smallest number being registered in Purulia. Jalpaiguri district recorded the largest number of SHGs passed Grade-I and taken up economic activities followed by Paschim Medinipur, the smallest number being witnessed in Dakshin Dinajpur. Small number of SHGs passed Grade-II and started economic activities upto January 2009. Such number of SHGs was highest in Howrah district followed by Nadia, the lowest number being registered in Darjeeling GHC. Upto January 2009 Jalpaiguri district recorded the largest number of women SHGs formed followed by Paschim Medinipur, the smallest being recorded in Darjeeling GHC. Number of BPL families having crossed the poverty line is reported to be largest in North 24-Paraganas followed by Hooghly.

Table 8.1 Progress in Formation and Performance of SHGs under SGSY in West Bengal, 2002-03 to 2007-08

Year	Total number of SHGs formed since inception	Women SHGs formed since inception	Total savings (Rs crore)	Number of SHGs passed Grade-I (cumulative)	Number of SHGs passed Grade-II (cumulative)	No. of SHGs having access to cash credit account (cumulative)	Cash credit drawn (Rs.in crore)	No. of SHGs who took up economic activities and received credit and subsidy
2002-03	58708	41277	13.47	27129	2004	14648	28.28	462
2003-04	78985	58,959	28.99	40357	2532	24460	45.00	1177
2004-05	113943	86,589	32.46	63674	7182	36193	62.12	1861
2005-06	149896	116,822	69.67	95106	6595	77223	139.70	1514
2006-07	186486	148,398	117.95	137226	9826	104208	220.88	2513
2007-08	223909	1,81,869	199.92	169940	11132	136792	319.88	3167

Source: Department of Panchayat and Rural development, Government of West Bengal

Table 8.2 Physical Progress of Self-Help Groups (SHGs) in Districts of West Bengal, 2009 (upto January)

District	Number of blocks	Number of SHGs formed since 01.01.99	Number of SHGs passed grade-I since 01.04.99	Number of SHGs passed grade-II since 01.04.99	Number of SHGs taken up economic activities		Number of women SHGs formed since 01.04.99
					Grade-I since 01.04.99	Grade-II since 01.04.99	
Bankura	22	13826	8733	1163	6901	140	11243
Birbhum	19	16520	12122	1878	9878	1032	11140
Burdwan	31	14997	12263	7216	12022	1367	9800
Coochbehar	12	12544	10653	2977	8256	1075	12169
Dakshin Dinajpur	8	9466	6644	1305	466	692	8547
Darjeeling GHC	8	2681	1873	734	1873	22	1154
Hooghly	18	6652	5050	1851	2154	700	4787
Howrah	14	6810	5669	2244	5457	1980	5951
Jalpaiguri	13	19591	16849	5099	15611	326	19581
Maldah	15	15248	12626	3585	9066	55	12325
Purba Medinipur	25	16621	14005	5125	13073	597	14887
Paschim Medinipur	29	23407	16793	4240	13329	1297	18484
Murshidabad	26	21587	16724	6080	10188	987	17357
Nadia	17	12055	9052	1890	9002	1571	9796
North 24-Parganas	22	14681	11469	2868	7472	1015	12710

Table 8.2 (continued)

District	Number of blocks	Number of SHGs formed since 01.01.99	Number of SHGs passed grade-I since 01.04.99	Number of SHGs passed grade-II since 01.04.99	Number of SHGs taken up economic activities		Number of women SHGs formed since 01.04.99
					Grade-I since 01.04.99	Grade-II since 01.04.99	
Purulia	20	18208	14337	242	9265	162	16026
Siliguri MP	4	2208	1397	276	866	212	1766
South 24-Parganas	29	13988	9571	1892	7450	489	9745
Uttar Dinajpur	9	8195	5293	1272	3540	52	6935
Total	341	249285	191123	51937	145869	13771	204403

Source: Department of Panchayat and Rural Development, Government of West Bengal

8.1.2 Sampoorna Gramin Rojgar Yojana (SGRY) and National Rural Employment Guarantee Scheme (NREGS)

SGRY was operational in nine districts which were not covered under the National Rural Employment Guarantee Scheme (NREGS). Now it is operational only in Howrah district . During the year 2006-07, an amount of Rs 272.81 crore has been spent along with utilization of 1.23 lakh MT of foodgrains till February 2007 for creation of 253.76 lakh mandays.

NREGP is a demand driven programme where employment opportunities are created for rural labourers for at least 100 days a year. This Scheme provides statutory guarantee under the provisions of the National Rural Employment Guarantee Act (NREGA) for 100 days of employment every year to the adult members of any rural household willing to do unskilled manual work at the statutory minimum wage. The scheme was launched nationally in 200 districts of the country with effect from 2nd February, 2006. In West Bengal the scheme was initially introduced in ten districts, namely, Jalpaiguri, Uttar Dinajpur, Dakshin Dinajpur, Maldah, Murshidabad, Purulia, Bhirbhum, Bankura, Paschim Medinipur and South 24-Parganas. In the second phase, seven more districts, namely Coochbehar, Darjeeling, Nadia, North 24-Parganas. Hooghly and Purba Medinipur were brought under its coverage. Thus only Howrah district remained to be covered under the Act. With the guarantee of demand driven fund allocation, this scheme opens up tremendous possibilities of creating a livelihood resource base of the rural poor. Works for water and soil conservation, drought proofing, flood protection, afforestation and rural roads have been taken up under the programme.

By the end of the financial year 2007-08, 8578073 job cards were issued. Among them, 38.78 lakh households demanded employment during the year, which was fifth largest in the country. Upto November, 2008, 9032799 job cards were issued and among them 23.40 lakh households demanded employment. On an average 66.69 per cent of the households got registered during the year and 959.77 lakh persondays of employment were generated. As shown in Table 8.3, the number of persondays of work provided per household (by those households who demanded work) was 25 days on an average in 2007-08 as compared to 14 days in previous year. The districts which provided more than 30 days of employment per household during the year were Bankura, Purulia, Bhirbhum, Darjeeling Gorkha Hill Council (DGHC) and North 24-Pargana. Bankura district provided highest number of 41 days of employment on an average, which is comparable to National average of 44 days. The performance of Maldah and Murshidabad was very poor, where, on an average, only 14 days of employment were provided to each household. Participation of women in NREGA works has been low in most of the districts of West Bengal. Person-days generated by the women were 17.15 per cent of total person-days generated during the financial year 2007-08, when the desired norm is that at least one third of the beneficiaries will be women. However, participation of women is much higher in areas with high concentration

of tribal population. The share of scheduled caste and scheduled tribe population in getting employment under NREGA was around 50.54 per cent. During 2007-08, 74.70 per cent of total available fund was utilized to meet demand for employment in the State. In respect of NREGA, gram panchayats have the sole responsibility in issuing job cards after the households got registered and providing employment on demand. Expenditure per gram panchayat is one of the important indicators to measure effectiveness of the gram panchayat in articulating demand and meeting the same by providing employment. The average expenditure per GP under NREGS increased considerably to Rs.30.30 lakh in 2007-08 as compared to Rs.21.56 lakh in 2006-07. District wise expenditure per GP under NREGS is shown in table 8.3. It shows available fund during 2007-08 under NREGA, expenditure, number of job cards issued and expenditure per gram panchayat across districts of West Bengal. Percentage of expenditure was highest in Paschim Medinipur district followed by Jalpaiguri, the lowest percentage being registered in Siliguri M.P. In respect of expenditure per gram panchayat Birbhum occupied the first position followed by Jalpaiguri. Birbhum district recorded the largest number of households provided employment and cumulative persondays generated followed by Burdwan, persondays generated per family was largest in Bankura district followed by North 24-Parganas and percentage of women participation was highest in Siliguri MP followed by Darjeeling GHC. Under NREGA funds available and cumulative expenditure during 2007-08 were largest in Birbhum followed by Burdwan. Murshidabad district recorded the largest number of job card issues followed by Paschim Medinipur district. Cumulative persondays generated was largest in Birbhum district followed by Burdwan district and persondays generated per family were largest in Bankura district followed by North 24 Paraganas. Percentage of women participation in NREGAs was highest in Siliguri M.P followed by Purulia district. The details for April 2008 to January 2009 are shown in Table 8.4

Table 8.3 Financial & Physical Progress under NREGA in Districts of West Bengal, 2007-08

Districts	Opening balance as on 01.04.2007 (Rs lakh) (central+ state)	Allotment received during the year (central+ state)	Available fund during the year (Rs lakh)	Expenditure (cumulative) (Rs lakh)	Percentage of expnditure to available fund (Rs lakh)	Job cards issued	Expenditure per gram panchayat (Rs lakh)	Rank
Jalpaiguri	1988.96	7680.00	9728.42	8265.24	84.96	559606	56.61	2
Uttar Dinajpur	2134.61	2406.67	4577.97	2523.60	55.12	436565	25.75	10
Dakshin Dinajpur	2106.72	222.22	2328.94	1693.55	72.12	246298	26.05	9
Maldah	1085.18	2222.73	3388.50	2707.16	79.89	509521	18.54	14
Murshidabad	1711.42	6161.10	7952.21	5465.52	68.73	888059	21.52	13
South 24 – Parganas	419.02	6391.62	6810.64	4170.51	61.24	635961	13.37	17
Paschim Medinipur	2105.40	7654.44	9759.84	8474.15	86.83	679380	29.22	7
Bankura	3661.09	8207.78	11884.28	10009.42	84.22	439802	52.68	3
Purulia	5140.84	1111.11	6720.26	4918.89	73.19	394352	28.93	8
Birbhum	2757.61	10806.99	13626.74	11054.22	81.12	572035	66.19	1
Total for Ph-I	23110.85	52864.66	76777.80	59282.26	77.21	5361579	-	-
Coochbehar	400.00	6714.41	7137.38	5750.72	80.57	478936	44.93	4
Darjeeling GHC	400.00	898.48	2024.46	1155.68	57.09	66405	10.32	18
Siliguri MP	0.00	854.04	993.90	349.60	35.17	65838	15.89	16
Nadia	400.00	6929.81	7416.07	6294.42	84.88	578370	33.66	6

Table 8.3 (continued)

Districts	Opening balance as on 01.04.2007 (Rs lakh) (central+ state)	Allotment received during the year (central+ state)	Available fund during the year (Rs lakh)	Expenditure (cumulative) (Rs lakh)	Percentage of expnditure on available fund (Rs lakh)	Job cards issued	Expenditure per gram panchayat (Rs lakh)	Rank
North 24 – Parganas	400.00	6567.38	7317.92	3597.34	49.16	406762	18.4	15
Hooghly	400.00	6262.19	6771.68	5209.07	76.92	422148	24.81	11
Purba Medinipur	400.00	7615.60	8033.85	5147.40	64.07	487429	23.08	12
Burdwan	400.00	12699.96	13101.33	10011.98	76.42	710606	36.14	5
Total for Ph-II	2800.00	48541.86	52796.58	37516.21	71.06	3216494	-	-
Grand total	25910.85	101406.52	129574.38	96798.47	74.70	8578073	-	-

Table 8.3 (continued)

Districts	Households provided employment	Works		Persondays generated (cumulative) (lakh persondays)	Persondays generated per family	% of Women participation	Rank
		Completed	In progress				
Jalpaiguri	277000	4899	2316	80.38	29	28.38	4
Uttar Dinajpur	131164	2167	933	25.06	19	19.83	8
Dakshin Dinajpur	86839	2137	229	18.62	21	16.43	14
Maldah	148821	815	793	23.74	16	20.09	7
Murshidabad	330016	2931	1752	51.70	16	3.44	18
South 24-Parganas	252537	3309	2317	47.05	19	19.00	9
Paschim Medinipur	313673	7814	3669	76.10	24	17.70	11
Bankura	235389	3547	3902	96.83	41	18.96	10
Purulia	167554	3438	2935	49.64	30	29.90	3
Birbhum	353950	6854	4299	106.23	30	10.44	15
Total for Ph-I	2296943	37911	23145	575.35	25	18.09	
Coochbehar	265304	1049	1803	60.33	23	23.35	5
Darjeeling GHC	37421	0	192	11.35	30	37.09	2
Siliguri MP	21730	179	128	3.44	16	49.42	1
Nadia	324149	1391	1923	76.76	24	4.76	16
North 24 –Parganas	113648	1065	2721	35.95	32	4.31	17
Hooghly	209976	2266	3010	51.85	25	16.86	13
Purba Medinipur	198913	2798	5126	45.65	23	21.53	6
Burdwan	351251	9651	1686	99.09	28	16.91	12
Total for Ph-II	1522392	18399	16599	384.42	25	15.75	-
Grand Total	3819335	56310	39374	959.77	25.13	17.15	-

*Source:*Department of Panchayat and Rural Development, Government of West Bengal

Table 8.4 Financial & Physical Progress Report under NREGA in Districts of West Bengal, 2008-09

(upto January)

Districts	Available funds during the year (Rs lakh)	Expenditure (cumulative) (Rs lakh)	Job cards issued	Households provided employment
Jalpaiguri	7590.22	5117.42	572964	191013
Uttar Dinajpur	2589.87	1174.48	431906	50436
Dakshin Dinajpur	1743.03	615.94	246298	33218
Maldah	7099.67	1084.93	514650	46850
Murshidabad	9013.88	3879.75	889021	156946
South 24 –Parganas	3979.55	2237.34	684901	128026
Paschim Medinipur	8548.31	6800.81	719926	225000
Bankura	9290.69	5512.41	478369	171613
Purulia	4811.53	2824.89	400753	115953
Birbhum	9689.09	5352.89	581185	180315
Total for Ph-I	64355.85	34600.86	5519973	1299370
Coochbehar	8499.78	4761.74	478936	172453
Darjeeling GHC	1893.31	1198.45	82224	34244
Siliguri MP	666.95	413.27	70542	25171
Nadia	4480.15	2330.61	620452	114649
North 24 –Parganas	4934.84	3175.73	498437	169353
Hooghly	5321.95	2575.41	455821	137419
Purba Medinipur	4321.29	2359.29	541953	144296
Burdwan	13047.09	8929.89	769571	323834
Total for Ph-II	43165.36	25744.39	3517936	1115419
Howrah	331.71	328.3	150430	23609
Grand Total	107852.92	60673.55	9188339	2438398

Table 8.4 (continued)

Districts	Works		Persondays generated (cumulative) (lakh persondays)	Persondays generated per family	Persondays of women participation
	Completed	In progress			
Jalpaiguri	2872	1839	38.34	20	40.25
Uttar Dinajpur	1088	203	10.09	20	34.49
Dakshin Dinajpur	317	378	6.20	19	28.71
Maldah	407	733	7.40	16	26.49
Murshidabad	1733	715	31.47	20	12.01
South 24 -Parganas	1877	1712	18.71	15	9.30
Paschim Medinipur	5405	3393	51.85	23	22.60
Bankura	2749	2731	37.90	22	31.77
Purulia	1163	3263	25.47	22	36.51
Birbhum	4870	3990	42.63	24	20.36
Total for Ph-I	22841	18957	270.06	21	25.89
Coochbehar	966	1579	36.34	21	24.33
Darjeeling GHC	65	244	8.69	25	39.59
Siliguri MP	211	169	4.05	16	49.38
Nadia	589	1428	24.38	21	8.49
North 24 -Parganas	1268	3907	32.93	20	7.47
Hooghly	1043	2486	25.17	18	25.35
Purba Medinipur	2464	4416	20.26	14	25.86
Burdwan	7082	6468	90.10	28	26.00
Total for Ph-II	13688	20697	241.92	22	22.26
Howrah	97	324	1.49	6	8.72
Grand Total	36266	39978	513.47	21	24.13

Source: Department of Panchayat and Rural Development, Government of West Bengal

8.1.3 Pradhan Mantri Gram Sadak Yojona (PMGSY):

Launched in December, 2000, it has been included in the Bharat Nirman Programme of Government of India. Under PMGSY all habitations having a population of 1000 and above (500 in case of hilly or tribal areas) are to be connected by all weather roads by 2009. The pace of implementation of PMGSY has picked up in recent years.

Total roads sanctioned and completed roads and expenditure under PMGSY upto March 207 is shown in Table 8.5 and those upto March 2008 in Table 8.6. The completed roads length upto March 2008 was longest in Purulia followed by Burdwan and Bankura while expenditure was largest in Paschim Medinpur followed by Burdwan and North 24-Parganas.

Table 8.5 Prime Minister Gram Sadak Yojana (PMGSY) Works since Inception to 2007 (Upto 31st March)

District	Total roads sanctioned		Completed roads		Expenditure (Rs lakh)
	Nos.	Length (Km.)	Nos.	Length (km.) + (partially completed roads)	
North 24-Parganas	70	383.60	39	202.63	8406.57
South 24-Parganas	49	320.61	24	167.62+ 11.50	6906.05
Bankura	48	517.17	31	328.01+36.00	7464.78
Birbhum	49	511.79	27	266.00+ 41.00	7010.81
Burdwan	92	655.81	54	394.47+31.80	11255.15
Coochbehar	100	345.20	72	249.44+11.00	5423.83
Darjeeling	37	125.01	25	66.71+10.50	3756.61
Hooghly	43	357.26	26	219.56+13.00	7396.52
Howrah	53	271.03	39	149.56	4969.80
Jalpaiguri	70	413.45	48	240.62+11.13	7152.36
Maldah	33	285.18	13	99.91+18.59	3748.33
Murshidabad	164	524.50	139	315.96+20.50	10151.42
Nadia	87	453.99	60	264.78	8026.27
Uttar Dinajpur	42	364.01	30	242.77+25.94	8401.03
Purulia	57	617.26	44	448.37+13.00	6614.71
Siliguri MP	48	177.32	36	143.56	3461.48
Dakshin Dinajpur	62	230.54	38	125.15+4.00	4684.18
Purba Medinipur	61	425.45	33	199.14+28.00	7713.71
Paschim Medinipur	103	602.87	59	278.33+34.60	10525.87
Total	1268	7582.05	837	4402.59+ 310.56	1330,69.48
				Total - 4713.15	

Source: District Statistical Handbook, Government of West Bengal

Table 8.6 Performance under PMGSY in Districts of West Bengal, 2008 (Upto March 31)

District	Total roads		Completed roads		Expenditure (Rs crore)
	Numbers	Length (Km.)	Numbers	Length (Km.)	
North 24 Parganas	85	494.37	61	324.96	11993.53
South 24 Parganas	48	337.53	28	193.88	8479.67
Bankura	69	760.71	48	515.94	10760.22
Birbhum	63	628.93	41	418.67	8845.52
Burdwan	122	783.04	76	516.17	14881.34
Coochbehar	133	460.06	87	306.45	7069.57
Darjeeling	49	206.94	26	70.21	4759.06
Hooghly	47	380.88	36	281.95	9536.91
Howrah	63	297.65	44	183.26	6919.09
Jalpaiguri	88	587.24	63	340.56	9952.49
Maldah	40	352.84	19	152.79	5112.01
Murshidabad	185	734.56	154	427.84	13309.5
Nadia	104	553.67	66	295.77	11019.28
Uttar Dinajpur	71	503.59	40	343.72	10330.06
Purulia	70	758.84	52	555.99	8325.18
Siliguri MP	56	216.14	48	177.32	4359.16
Dakshin Dinajpur	96	351.14	52	181.51	6187.48
Purba Medinipur	81	547.2	45	278.19	9951.82
Paschim Medinipur	134	825.62	77	407.92	15226.41
Total	1604	9780.929	1063	5973.097	177018.3

*Source:*Government of West Bengal, Department of Panchayats and Rural Development, *Annual Administrative Report 2008*

8.1.4 Indira Awas Yojona(IAY):

It is a rural housing project for the poor. It seeks to assist the homeless living below the poverty line to construct their own houses or upgrade their dilapidated houses. Under IAY at least 60 per cent of the total beneficiaries have to be SC and ST families living below the poverty line. Beneficiaries are selected in the meeting of Gram Sansads and the final list of beneficiaries is prepared by the GPs out of the beneficiaries selected by the Gram Sansads. The list of selected beneficiaries has to be displayed prominently by the GP for information of the general public. The cost of IAY is shared by the Central and State Government in the ratio of 75:25.

Construction of rural houses under Indira Awas Yojana (IAY) Scheme is one of the six components of "Bharat Nirman". It is a scheme to provide shelter for the homeless families living below the poverty line to construct their own houses. The fund for the scheme is shared by Central and State Government in the ratio of 75:25. The Central share is released in two instalments direct to the Zilla Parishads and the State Government releases the matching State share. Initially, the scheme was designed to provide assistance to SC & ST families only of the BPL categories in rural areas. Later on the benefit of the scheme was also extended to BPL families of non-SC & ST categories; 60% of the total IAY allocations during the financial year have been earmarked for SC & ST households and 3% of the allocation for construction of houses of physically handicapped persons. From the year 2007-08, 15% of the allocation has been earmarked for the families of minority communities. Previously, the beneficiary for the scheme was selected in Gram Sansad meeting and finally priority list of beneficiary was prepared by the Gram Panchayat. From the financial year 2007-08, a major change in the process of selection of beneficiary has been introduced. The concept of Permanent Wait List (PWL) of beneficiary under IAY has been brought into effect. The PWL is generated from the existing BPL list and includes those families only, who apart from being BPL have scored the lowest rank in respect of status of

housing in the household survey. Under the present process beneficiary of each social category, i.e., SC/ST, Minority and general categories will have separate PWL and those lists are to be placed in Gram Sansad meeting for finalizing the same by excluding those whose names as per the Gram Sansad were not fit to be included for receiving assistance for housing. After finalization by the Gram Sansad the PWL is to be painted on the wall of GP office and displayed at some prominent places and up-loaded in the website of P & RD Department. From the year 2007-08, the benefits of IAY have been provided only to those families whose names appeared in the PWL of IAY and the families are to be selected from the lowest total score as per the household survey. At the end of the financial year this work of finalization and submitting the list for displaying in the website has been completed by 1923 number of GPs and total 240073 numbers of households were brought under PWL. Grant under IAY has been made generally in the name of male and female members of the household jointly. For better transparency in the distribution of IAY fund payments are made through "Account Payee" cheque in favour of the beneficiaries. Construction of house is the sole responsibility of the beneficiaries. Naturally, beneficiaries are involved from the very beginning in construction work. Engagement of the contractor under the scheme is strictly prohibited. There is no specific design for IAY house. The beneficiary is at the liberty to select a design, technology and material for construction of houses subject to the condition that the plinth area of the house should not be less than 20 square meter. Those in the PWL and do not possess any homestead land are to be assisted first for construction of houses. They could not be assisted so far because there was no provision for buying land for them. L & L R Department has issued order that up to 3 decimals of land can be purchased for such families for their residential purposes only out of the scheme "Chas-O-Basobaser Bhumidan Prakalpa". Panchayats are also allowed to buy land out of their own fund, untied fund and BRGF to develop habitat for housing purposes. From the year 2008-09 the GPs have been asked to work out requirement of land to accommodate all such families in the PWL, who do not have any homestead land and to procure the same so that more or less 3 decimals of land for residential purposes could be allotted to all of them. Availability of drinking water, drainage, road connectivity, access to Anganwadi centres, schools etc. should also be considered before identifying the land for housing purpose. The land should also be developed for making the same habitable, if necessary. Because of introduction of the new procedure for selecting beneficiaries there has been delay in implementing the programme in the year 2007-08. Some of the GPs could not even complete the procedure, which affected performance of the State during the year. Out of a target of constructing 1, 22,357 numbers of houses and upgrading 30,589 numbers of houses the achievement during the year was only 87,831 and 19,744 respectively. Out of available fund of Rs 429.77 crore, expenditure during the year was Rs 274.97 crore. Performance for the last five years under the programme is shown in Table 8.7.

Table 8.7 Performance under Indira Awas Yojana in West Bengal, 2003-2004 to 2007-2008

Year	Opening balance as on 01.04	Fund released during the year	Total available fund	Fund utilization	Percentage of utilisation of fund	New Construction		Upgradation	
						Target	Achievement	Target	Achievement
2003-04	37.66	170.66	209.61	154.78	73.84	78682	60565	39341	30036
2004-05	54.97	250.21	306.76	273.5	89.16	103505	101358	51752	54240
2005-06	33.26	263.57	298.07	205.86	69.06	83248	66903	20850	33150
2006-07	91.96	274.14	367.28	280.51	76.38	88501	85200	22166	43638
2007-08	84.02	344.24	429.77	274.97	63.98	122357	96115	30589	21449

Source: As in Table 8.2

8.1.5 Rashtriya Sam Vikash Yojana(RSVY):

It is a special programme for the development of backward districts. At present eight districts are covered under RSVY. The thrust of the programme is to increase agricultural productivity and to generate employment

opportunities. The status of RSVY for the eight districts as on 31st March 2008 of Rashtriya Sam Vikash Yojana in respect of fund received, percentage of expenditure, schemes completed, schemes taken up for execution and schemes yet to be taken is shown in Table 8.8. During 2007-08, Government of India launched a new programme of Backward Region Grant Fund(BRGF) by replacing RSVY.

Table 8.8 Performance of Eight Districts of West Bengal in Rashtriya Sam Vikash Yojana (RSVY) , 2008

(as on March 31) (Amount in Rs. Lakh) (Schemes in Number)

District	Allocation for three years	Fund received	Expenditure		Schemes completed	Schemes taken up for execution	Schemes yet to be taken
			Amount	Percentage			
Jalpaiguri	4500	3750	823.69	21.97	125	52	13
Purulia	4500	3750	1182.19	31.53	70	121	32
Paschim Medinipur	4500	3000	1082.4	36.03	258	144	2
South 24-Parganas	4500	3000	1446.26	48.21	254	256	10
Uttar Dinajpur	4500	3750	1740.22	46.41	184	63	0
Dakshin Dinajpur	4500	3750	1371.36	36.57	1262	485	0
Bankura	4500	3750	1440.36	38.41	1127	1462	0
Birbhum	4500	3000	926.5	30.88	32	48	15
Total	36000	27750	10012.98	36.08	3312	2631	72

Source: Department of Panchayat and Rural Development, Government of West Bengal

*Programmes for Development of Backward Areas***:**

Backward Region Grant Fund (BRGF), introduced by the GOI from the year 2006-07 is designed to redress regional imbalances in development. The fund provides financial resources for supplementing and converging existing developmental inflows into identified districts so as to bridge critical gaps in local infrastructure and other development requirements that are not being adequately met through existing inflows. The fund is also utilized to provide professional support to local bodies for planning, implementation and monitoring their plans and also to improve the performance and delivery of critical functions assigned to Panchayats. Eleven districts, i.e, Jalpaiguri, Purulia, Paschim Medinipur, South 24-Parganas, Uttar Dinajpur, Dakshin Dinajpur, Bankura, Birbhum, Maldah, Murshidabad and Purba Medinipur in West Bengal have been brought under the fold of BRGF where fund is provided on the basis of plans prepared at the three tiers of PRIs and the Municipalities consolidated at the district level. Out of these eleven districts RSVY programme is going on in the eight districts, namely Jalpaiguri, Purulia, Paschim Medinipur, South 24-Parganas, Uttar Dinajpur, Dakshin Dinajpur, Bankura and Birbhum. As soon as funds sanctioned under RSVY are fully utilized on the basis of plans already approved, these districts starts receiving fund under BRGF head. The annual capacity building plan for 2006-07 was prepared during the year for all the eleven districts as per advice of the Ministry of Panchayati Raj (MOPR), Government of India, which is the implementing department of this programme. The development plans for the three additional districts of Maldah, Murshidabad and Purba Medinipur were also prepared. The Capacity Building Plan and the three district plans were approved by the High Empowered Committee on BRGF headed by the Chief Secretary and those have been sent to the MOPR for sanctioning required fund. It has been decided to involve the SRD Cell of WBSRDA of the Department in training and capacity building of the PRI bodies as well as preparation of participatory plan for each panchayat. The Cell also monitors implementation of BRGF.

4,612 villages of the State were identified as backward during the year 2004-05 because those villages lagged substantially in socio-economic development as compared to other villages. Since then, those villages were intensively toured by the very senior officers in the district and various interventions were made to bring those villages at a level at par with other villages. A survey format was developed in 2006-07 to assess the status of some of the physical parameters, which could be verified objectively, to help designing appropriate interventions more easily. In order to meet the critical gap in development intervention in those villages, support was provided during the year out of the budget of the P & RD department. Amount of such assistance is shown in Table 8.9.

A sum of Rs. 1998.80 lakh out of the allocation Rs. 20.00 crore was released from State budget for development of the backward villages during 2007-08. Further out of Rs. 1197.68 lakh was released for development of the backward villages in 2006-07, out of which an amount of Rs. 812.81 lakh (67.87%) has been spent up to 31.3.08.

Paschimanchal Unnayan Parsad (PUP): It was formed for promoting the integrated development of 74 Blocks in the red laterite area of five districts - Purulia , Bankura, Paschim Midinipur, Birbhum, Burdwan. These areas are inhabited mainly by scheduled castes and scheduled tribes.The formation of PUP was primarily to uplift these disadvantaged sections. The utilization of funds shows that utilization by Bankura was the lowest.

Table 8.9 Fund Released for Intervention in Backward Villages, 2007-08 (Amount in Rs lakh)

District	Sanctioned amount	District	Sanctioned amount
Siliguri MP	83.76	Purulia	40.91
Coochbehar	6.00	Burdwan	97.27
Murshidabad	276.35	Nadia	62.24
Maldah	271.24	Bankura	157.97
Birbhum	26.16	Paschim Medinipur	162.00
DGHC	13.78	Total	1197.68

Source: Government of West Bengal , Panchayat and Rural Development Department.

8.1.6 Total Sanitation Campain:

The State is implementing the Total Sanitation Campaign (TSC), a centrally sponsored programme lunched in 1999. The State Government provides subsidy to below the poverty line households wanting to set up sanitary latrines. However, the TSC is primarily guided by the felt needs to improve sanitation practices as well as to ensure privacy and convenience, particularly for the women. The success of the programme depends on several factors of which the most crucial has been the quality and interest of the leadership of the panchayats in implementing the programme. The district wise number of household toilets constructed during 2007-08 and cumulative figures of toilets constructed up to March, 2008 are shown. It is seen that by the end of March, 2008, about 56 lakh rural households had set up sanitary toilets. Toilets were also constructed under other schemes prior to the launching of TSC and many families have constructed toilets out of their own funds. It is estimated that around 80 per cent of rural households had access to sanitary toilets at the end of March, 2008. Nearly 100 per cent coverage of sanitary latrines has been achieved in the district of Purba Medinipur, Burdwan Howrah. The progress is very good in the districts of Paschim Medinipur, Nadia, North 24-Parganas and Hooghly. In the hill areas of Darjeeling district, TSC was launched during 2006-07. Under TSC, toilet facilities are being provided separately for boys and girls to the schools, including Sishu Sikha Kendras, Madhyamik Sikha Kendras, Madrasas, and the ICDS centres. Till the end of 2007-08, construction of 134089 toilets was approved of which 43208 has been installed.

The Government of India has introduced an award called Nirmal Gram Puraskar for panchayats that have kept their villages free of open defecation. Till March, 2007, 604 gram panchayats and 16 panchayat samitis of the State have been awarded the prize.

Other two centrally sponsored programmes in operation in the State for opening up livelihood opportunities through sustainable development of natural resources are Integrated Wasteland Development Programme (IWDP) and Drought Prone Area Programme (DPAP).The schemes are being executed in the districts of Purulia, Bankura, Birbhum,Paschim Medinipur,Burdwan.

As on 31.03.2008, 11 projects in Birbhum and 8 in Burdwan, 6 in Paschim Medinipur and 4 in Bankura were sanctioned under IWDP. Similarly, in the same year 304 micro watersheds for a total area of 152000 hectares were sanctioned under DPAP in the four districts. In 2007-08, a sum of Rs 494.00 lakh was spent in 17 IWDP projects and a total area of 7627.81 hectares was treated. Under DPAP, a sum of Rs.274.10 lakh was spent. The basic objective of the said development programme is integrated wastelands development based on micro-watershed plans. It is community based natural resource management initiative with focus on treatment of wastelands with people's participation and community mobilization, long term sustainability and asset management and livelihood support for poverty alleviation. In West Bengal, the two centrally sponsored

programme,i.e, Integrated Wasteland Development Programme(IWDP) and Drought Prone Area Programme (DPAP) are implemented by Panchayar & Rural Development department in the western part of the State in the five districts of Purulia, Bankura, Birbhum, Paschim Medinipur and Burdwan There is another programme with support from NABARD as loan and grant, where the district of Darjeeling is also covered. 27 watershed projects under assistance from NABARD are implemented in the State of which 11 projects are in the Full Scale Implementation Phase. Watershed development programme being process-intensive one requires long-term planning with active participation of the community throughout the entire stages of formulation, implementation of project components and also maintenance of the assets created. The funding for IWDP and DPAP are shared between the Central and the State Governments in the ratio 11:1 for IWDP and 75:25 for DPAP. Project cost for both the schemes are Rs. 6,000/- per hectare and the period of the projects are five years. An Action Plan is prepared for an individual project and as such the projects normally take a considerable period of time for launching full scale implementation.

The decentralization and devolution of power through Panchayati Raj Institution has gone a long way in reviving and revitalising the rural economy of the West Bengal in recent years. A large number of schemes is being executed in the rural areas in the State for alleviation of economic and non-economic poverty, providing social security to the poor and also for development of infrastructure in rural areas. Besides schemes for generation of wage employment and self employment, various schemes are being executed for universalisation of elementary education and improvement of health, drinking water supply and sanitation. In addition, there are schemes for providing additional inputs in respect of optimum utilization and conservation of natural resources and for the development of the regions, which are less developed.

8.2 Programmes for Social Security

The programmes for social security include national old age pension, national family welfare scheme and provident fund for landless agricultural labourers.

National Old Age Pension Scheme: Under the scheme, financial assistance is provided to the selected beneficiaries as per the following criteria :

- Age of the applicant (male or female) is 65 years or more,
- The applicant is a destitute in the sense of having little or no regular means of subsistence from his / her own sources of income or through financial support from the family members or other sources.

This is a national scheme for payment of pension to the members of BPL families who have attained 65 years of age. Apart from the contribution of the Central Government @ Rs 200/ per pensioner per month the State Government may also contribute to the monthly pension amount. In West Bengal an equal amount is contributed by the State Government. As per the original scheme target for any State/district etc was fixed based on allocation and from 19.11.2007 the scheme was made right-based and given the new name of Indira Gandhi National Old Age Pension (IGNOAPS). Thus whoever belongs to BPL and attains the age of 65 years are now to be covered under the IGNOAPS as their right. The process of identification of new beneficiaries from the list of BPL families, based on last round of househld survey and as per the new guidelines, was taken up in the right earnest and 3,69,188 beneficiaries could be identified in 2007-08.

The amount of Old Age Pension increased four fold, i.e., from Rs. 100/- per month to Rs. 400/- per month during the financial year 2007-08, which is shared equally by the Central & State Governments. Previously the Central Government contributed Rs 75/ per person and the balance Rs 25/ was contributed by the State Government. In order to improve delivery of services the Gram Panchayats were conferred sanctioning authority, previously vested in the S.D.O. During the year 2006-07, an amount of Rs.239.68 crore has been spent for payment to 4,74,106 beneficiaries. Year-wise number of beneficiaries and amount disbursed during the year is shown at Table 8.10.

An amount of Rs 281.88 crore has been utilized during the year for making payments to 4,51,845 beneficiaries under earlier NOAPS programme. Total 3,69,188 beneficiaries were identified to be covered under IGNOAPS (w.e.f November 2007) during the year 2007-08 and an amount of Rs 71.79 crore was released at the fag end of the year, which could not be disbursed during the year. Year-wise numbers of beneficiaries assisted

and amount spent for giving pension under the scheme are given in Table 8.11. This scheme provides a one time financial assistance to the BPL families, who have lost their primary breadearner who was aged between 18 & 65 years. During the year 2007-08, an amount of Rs.46.56 crores has been disbursed for assistance to such families. The numbers of beneficiaries increased substantially because of monitoring the block-wise disbursement closely and clearing of backlog cases faster by the Panchayat Samiti, which was empowred to be the sanctioning authority. Murshidabad district recorded the largest number of beneficiaries under National Old Age Pension Scheme followed by Bankura & Purulia , the smallest number being registered in Darjeeling . The number of women beneficiaries was largest in Bankura followed by South 24 Paraganas, the smallest number being witnessed in Darjeeling district (Table 8.12).

Number of receipients of old age assistance, widow assistance and handicapped assistance in districts of the State during 2005-06 is shown in Table 8.13. In 2005-06, Murshidabad district recorded largest number of old age assistance receipients followed by Bankura, the smallest number being registered in Dakshin Dinajpur while the amount disbursed was largest in Paschim Medinipur district followed by Murshidabad, smallest amount being registered in Dakshin Dinajpur. In case of widow assistance, North 24-Parganas district recorded the largest number of receipients followed by Paschim Medinipur, the smallest number being registered in Dakshin Dinajpur while the amount disbursed was largest in Paschim Medinipur district followed by Burdwan, smallest amount being registered in Dakshin Dinajpur. Coochbehar district recorded the largest number of handicapped assistance receipients followed by Buedwan, the smallest number being registered in Uttar Dinajpur while the amount disbursed was largest in Burdwan district followed by Howrah, the amount smallest being registered in Bankura.

Table 8.10 Performance under National Old Age Pension Scheme in West Bengal, 2002-03 to 2007-08

Year	Number of beneficiaries	Expenditure (Rs crores)
2002-2003	3,32,876	30.20
2003-2004	3,09,896	33.70
2004-2005	2,91,671	39.05
2005-2006	4,51,579	59.86
2006-2007	4,74,106	239.18
2007-08 (NOAPS and IGNOPAS)	821033	281.88

Source: As in Table 8.2

Table 8.11 Coverage and Payment under National Old Age Pension Scheme (NOAPS) in West Bengal, 2002-03 to 2007-08

Year	No. of beneficiaries	Expenditure
2002-2003	3,32,876	22.5
2003-2004	3,09,896	26.17
2004-2005	2,91,671	29.34
2005-2006	4,51,579	46.05
2006-2007	4,74,106	122
2007-2008 (NOAPS and IGNOAPS)	8,21,033	138.81

Source: As in Table 8.2

Table 8.12 Number of Beneficiaries under NOAPS in Districts of West Bengal , 2006-07

Districts	SC	ST	Others	Total	Women	Physically handicapped	From April,2005
Coochbehar	7584	226	5874	13684	4864	42	13712
Jalpaiguri	15760	4818	5273	25851	9609	-	33532
Darjeeling:	895	1080	4076	6051	1596	-	7303
Uttar Dinajpur	6015	592	9075	15682	5327	117	15682
Dakshin Dinajpur	2965	2226	4156	9347	5347	37	9347
Maldah	4086	2136	17821	24043	14198	387	25515

Murshidabad	8209	517	41450	50176	14415	291	65404
Nadia	10766	3864	12082	26712	14311	1104	27605
North 24-Parganas	10092	1795	16958	28845	11442	58	27068
South 24-Parganas	13924	101	24653	38678	21273	162	37650
Howrah	3580	34	10153	13767	10656	93	4339
Hooghly	8234	1354	10039	19627	10619	391	20446
Purba Medinipur	1430	90	12347	13867	3150	10	19721
Paschim Medinipur	8613	2793	11874	23280	13409	698	23515
Bankura	25972	3016	11321	40309	35559	-	42308
Purulia	2399	2434	35224	40057	4754	-	40057
Burdwan	3825	1850	24443	30118	11510	-	29945
Birbhum	15557	3897	12220	31674	15869	104	32264
Kolkata	-	-	22338	22338	16468	-	22412
Total:	149906	32823	291377	474106	224376	3494	497825

Source: As in Table 8.2

Table 8.13 Assistance to Old Aged Persons, Widows and Handicapped in Districts of West Bengal, 2005-06

District	Old age assistance		Widow assistance		Handicaped assistance	
	Receipients (number)	Amount disbursed (thousand rupees)	Receipients (number)	Amount disbursed (thousand rupees)	Receipients (number)	Amount disbursed (thousand rupees)
Burdwan	39073	79136	858	5402	719	4535
Birbhum	38658	71989	522	2993	475	2817
Bankura	43395	56637	808	3087	314	157
Purba Medinipur	1263	7957	424	2671	336	2117
Paschim Medinipur	36808	104766	1135	9149	383	2413
Howrah	2200	10103	598	3732	458	3370
Hooghly	6099	37909	634	3995	415	2616
North 24 -Parganas	31975	47319	2023	7837	294	158
South 24-Parganas	1557	9809	666	4196	308	1940
Nadia	1941	12228	506	3187	313	1972
Murshidabad	69842	90113	669	4215	359	2262
Uttar Dinajpur	18276	30909	329	1858	207	1192
Dakshin Dinajpur	756	4205	314	1795	348	1681
Maldah	4357	12569	519	3626	366	2132
Jalpaiguri	1541	8821	491	2788	326	1884
Darjeeling	1132	6555	469	2826	244	1417
Coochbehar	3745	21033	470	3109	1254	1985
Purulia	53344	114694	523	3295	262	1653
West Bengal	355962	726752	11958	69760	7381	36301

Source: District Statistical Handbook, 2006

National Family Benefit Scheme

This scheme provides a one time financial assistance to the families living below the poverty line, which have lost their primary breadearner, while aged between 18 and 65 years. During the year 2006-07, an amount of Rs.17.77 crores has been spent for assistance to such families. A statement of performance under the scheme dueing 2002-03 to 2007-08 is given in Table 8.14. In 2007-08, 50800 beneficiaries were covered under the scheme involving an expenditure of Rs .48.14 crore. Murshidabad district recorded the largest amount of expenditure incurred and percentage of utilization of fund under National Family Benefit Schjeme. Total number

of beneficiaries under the scheme was largest in Murshidabad followed by Burdwan, the smallest number being registered in Darjeeling. During 2006-07 total funds available under National Family Benefits Scheme was highest in Murshidabad district followed by Burdwan and Maldah. In the earlier years benefit of the schemes did not reach all the eligible families. With closer monitoring and taking up special drives in increasing awareness about the scheme the coverage has improved in the last two years. In order to reduce the time taken for sanctioning and disbursement of the due amount the responsibility of sanctioning the cases was devolved on the Panchayat Samitis, which was earlier entrusted with the SDOs.

The National Family Benefit scheme provides a one time grant of Rs10000 in the case of death of the primary bread earner of a below the poverty line family in the age group 18 to 65 years. The grant is to be provided within four weeks of the death. In 2007-08, 50800 beneficiaries were covered under the scheme involving an expenditure of Rs .48.14 crore.

Table 8.14 Performance under National Family Benefit Scheme in West Bengal, 2002-03 to 2007-08

Year	No. of beneficiaries	Expenditure (Rs crores)
2002-2003	6243	6.27
2003-2004	7332	7.37
2004-2005	9954	9.98
2005-2006	13296	13.36
2006-2007	17749	26.34
2007-2008	50800	48.14

Source: As in Table 8.2

Provident Fund for Landless Agricultural Labourers (PROFLAL)

The Scheme, was launched by the State Government in April 1998 for provoding benefit to the landless agricultural labourers within the age group of 18 to 50 years. Those who are recorded holders of up to 50 (fifty) decimal of land including homestead land and whose major source of earnings is derived from their work as agricultural labourers are eligible for the scheme. Subscription under the scheme is Rs.20/- per month and the State Government contributes an equal amount till such time the subscribers attain the age of 50 years. On attaining the age of 50 years, the accumulated amount along with usual interest is paid to the subscribers. If for some reason the subscriber does not find it possible to continue with the scheme, the amount saved by him along with the matching contribution of the State Government against the amount saved is refunded to the subscriber concerned within six months of the closure of the account. The scheme is administered by the Gram Panchayats at the village level. The Block Development Officer and the District Magistrate concerned have supervisory role in implementing the scheme. As on 31.03.2008 a total of 9, 66,660 registered subscribers have deposited Rs.24.75 crores on which the interest accrued is Rs.4.29 crores. Number of new beneficiaries registered is 12128, Beneficiaries applied for refund in 2007-08 were 42070 and Rs 148.08 lakh was actually refunded to 28632 beneficiaries.

Chapter 9

DOMESTIC PRODUCT IN DISTRICTS OF WEST BENGAL

The Bureau of Applied Economics and Statistics, Government of West Bengal furnishes estimates of district domestic product in West Bengal. According to the Bureau (2001), "the estimate of district income or the net district domestic product can be looked upon as an indicator to measure economic development". The Bureau (2008) further observes, “The estimates of Gross District Domestic Product (GDDP) and Net District Domestic Product (NDDP) commonly known as District Income estimates are considered to be the most important indicators to mesure the economic growth of a district as well as the size of its economy. In recent days, the District Income estimates gather added importance being considered as a component of Human Development Index at the district level”.

The present chapter presents the database of district domestic product in districts of West Bengal. Section 9.1 shows data on trend and composition of district domestic product while section 9.2 shows the trend of per capita income of districts.

9.1 District Domestic Product: Trend and Composition

All the districts of West Bengal recorded significant increase in district domestic product during the period from 1999-00 to 2004-05. North 24-Parganas district recorded the largest both gross and net domestic product followed by Burdwan, the smallest domestic product being registered in Dakshin Dinajpur district. The rate of growth of gross domestic product during 1999-2000 to 2004-05 was highest in Purba Medinipur district during 2002-03 to 2004-05 (Table 9.1 & Table 9.2). Burdwan, Howrah, North 24-Parganas, Murshidabad and Uttar Dinajpur districts recorded increase in their percentage share in net domestic product of the state. North 24-Parganas district accounted for 11.83 per cent of the state net domestic product in 2004-05 while Budwan 10.21 per cent and Dakshin Dinajur 1.52 per cent (Table 9.3). Annual growth rates of net district domestic product over previous years in districts of West Bengal at constant (1999-00) prices during 2000-01 to 2006-07 are shown in Table 9.4. It was highest in Purba Medinipur district followed by Kolkata and North 24-Parganas and Howrah, the lowest growth being registered in Nadia district. Estimates of net district domestic product in districts of West Bengal by industry of origin at constant (1999-00) prices for 1999-00 to 2004-05 are shown in Table 9.5. While percentage share of primary sector registered decline in all the districts that of secondary sector and tertiary sector recorded increase during 1999-2000 to 2004-05 for most of the districts (Table 9.6 and Table 9.7). Table 9.8 shows percentage share of sectors other than agriculture and manufacturing in domestic products of districts in West Bengal during 1999-00 to 2004-05. North 24-Parganas district recorded the highest percentage of district domestic product contributed by sectors other than agriculture and manufacturing followed by Howrah, the lowest percentage being registered in Uttar Dinajpur. All the districts of the state except Purba Medinipur and Dakshin Dinajpur recorded positive increase in percentage share of sectors other than agriculture and manufacturing to net district domestic product during 1999-2000 to 2004-05. Distribution of net district domestic product changed in favour of service sector in most of the districts.

Table 9.1 Estimates of Gross District Domestic Product of West Bengal, 1999-2000 to 2004-05

[at constant (1999-00) prices], (Rs. Crore)

District	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	Rank 2004-05	AGR %
Burdwan	13752.99	13985.62	15106.32	15555.46	16886.36	18408.36	2	6.77
Birbhum	4202.33	4321.78	4793.78	4901.46	5090.41	5180.35	14	4.65
Bankura	4818.90	5148.45	5470.17	5284.58	5416.59	5721.73	13	3.75
Undivided Medinipur	15516.82	16291.50	16983.24	-	-	-	-	4.73

Table 9.1(continued)

District	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	Rank 2004-05	AGR %
Purba Medinipur	-	-	-	9405.30	11139.68	12988.09	5	19.05
Paschim Medinipur	-	-	-	8049.12	8387.97	9190.65	9	7.09
Howrah	7134.42	7775.37	8265.25	8944.09	8974.61	9620.51	8	6.97
Hooghly	9077.51	9337.95	10227.72	10244.38	11113.84	11695.52	6	5.77
North 24-Parganas	15562.52	15657.24	17063.59	18457.53	19549.85	21122.50	1	7.15
South 24-Parganas	10832.00	11642.44	12368.28	13134.97	13068.04	13552.87	4	5.02
Kolkata	12694.24	13752.13	14519.60	15546.60	16291.08	17697.15	3	7.88
Nadia	7717.23	7528.34	8290.85	8715.07	8885.56	9003.75	10	3.33
Murshidabad	8344.50	8468.40	9429.73	9541.89	10413.02	10791.15	7	5.86
Uttar Dinajpur	2775.15	2933.66	2956.28	3182.76	3427.25	3353.53	18	4.17
Dakshin.Dinajpur	2139.41	2308.37	2402.20	2534.38	2574.14	2598.18	19	4.29
Maldah	4962.28	5102.18	5661.32	5366.47	5707.38	6083.93	12	4.52
Jalpaiguri	5678.25	5752.21	6034.82	6375.21	6594.77	6981.30	11	4.59
Darjeeling	3161.08	3345.29	3619.14	3811.61	3961.31	4240.17	15	6.83
Coochbehar	3314.49	3493.40	3605.88	3655.37	4038.88	4226.62	16	5.50
Purulia	3498.33	3556.12	3922.45	3708.93	3889.71	4076.23	17	3.30
West Bengal	135182.45	140400.45	150720.62	156415.18	165410.45	176532.59	-	6.12

Source: Government of West Bengal (2008).
Notes * = Undivided Medinipur, AGR = Average growth rate.

Table 9.2 Estimates of Net District Domestic Product in Districts of West Bengal, 1993-94 to 2004-05

[at constant (1999-00) prices] (Rs Crore)

District	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Burdwan	8783.32	9251.68	9753.69	10860.51	10957.82	11911.62
Birbhum	2603.51	2809.32	3081.50	3234.32	3446.17	3864.33
Bankura	2880.96	3178.05	3481.50	3647.62	3973.34	4001.74
Undivided Midnapore	9878.04	10681.01	11385.60	12264.48	12611.27	12871.26
Howrah	4144.59	4384.85	4742.92	4738.90	5557.82	5940.93
Hooghly	5647.18	6049.52	6599.08	7263.87	7057.04	7370.07
North 24-Parganas	9902.21	10305.98	11269.29	11710.26	13853.84	15268.29
South 24-Parganas	6873.75	7584.02	7608.88	8077.43	8795.83	9423.28
Kolkata	6737.34	7128.68	7904.16	8020.52	8946.37	10263.18
Nadia	4387.63	4653.71	5022.21	5797.92	6295.87	6612.87
Murshidabad	4997.78	5358.67	5799.48	6384.09	6862.42	7296.32
Uttar Dinajpur	1704.34	1900.21	1967.49	2150.64	2288.97	2513.74
Dakshin Dinajpur	1175.14	1301.25	1382.33	1524.37	1584.36	1745.52
Maldah	2891.40	3113.85	3482.87	3762.56	4240.45	4271.08
Jalpaiguri	3633.58	3776.03	4088.55	4341.50	4685.73	4980.15
Darjeeling	1824.37	1968.98	2040.05	2089.78	2727.83	2555.74
Coochbehar	2316.61	2387.49	2619.11	2797.42	2962.82	3175.19
Purulia	1997.74	2251.81	2404.59	2557.21	3051.08	2796.35
West Bengal	82151.58	87860.74	94429.43	100990.27	109456.40	116440.94

Table 9.2 (Continued)

District	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	Rank 2004-05
Burdwan	12356.25	12568.09	13543.98	14047.54	15093.72	16437.20	2
Birbhum	3970.74	4066.67	4516.63	4606.12	4764.43	4844.61	14
Bankura	4555.97	4855.37	5156.93	4953.27	5063.14	5340.95	13
Purba Medinipur		15211.53	15841.43	8654.02	9995.50	11585.99	5
Paschim Medinipur				7569.32	7831.59	8545.64	9
Howrah	6465.07	6973.41	7412.27	8020.15	8083.21	8661.85	8
Hooghly	8315.03	8523.71	9349.99	9305.32	10111.63	10645.40	6
North 24-Parganas	14067.95	14160.65	15432.08	16645.55	17609.55	19052.93	1
South 24-Parganas	9973.21	10538.22	11182.77	11829.19	11778.58	12193.75	4
Kolkata	11431.02	12351.84	13001.86	13902.18	14525.23	15748.46	3
Nadia	7217.71	7075.97	7794.15	8172.09	8320.46	8405.79	10
Murshidabad	7891.39	7977.17	8893.62	8965.87	9776.32	10097.82	7
Uttar Dinajpur	2640.18	2787.95	2802.35	3018.15	3244.83	3162.74	18
Dakshin Dinajpur	2044.20	2202.81	2289.91	2404.05	2436.22	2448.67	19
Maldah	4698.37	4810.46	5342.09	5030.90	5337.84	5689.79	12
Jalpaiguri	5326.96	5409.57	5672.36	5981.01	6178.16	6517.44	11
Darjeeling	2937.81	3106.91	3355.90	3526.19	3658.16	3906.10	16
Coochbehar	3160.50	3323.66	3425.20	3461.69	3825.24	4002.59	15
Purulia	3229.73	3278.33	3625.48	3403.46	3570.16	3727.19	17
West Bengal	124808.33	129222.32	138639.00	143496.07	151203.97	161014.61	

Source: Government of West Bengal (2008).

Table 9.3 Percentage Distribution of Net District Domestic Product of West Bengal by District at Constant (1999-00) Prices, 1999-00 to 2004-05

District	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	9.90	9.73	9.77	9.79	9.98	10.21
Birbhum	3.18	3.15	3.26	3.21	3.15	3.01
Bankura	3.65	3.76	3.72	3.45	3.35	3.32
Purba Medinipur	11.64	11.77	11.43	6.03	6.61	7.20
Paschim Medinipur	0	0	0	5.27	5.18	5.31
Howrah	5.18	5.40	5.35	5.59	5.34	5.38
Hooghly	6.66	6.60	6.74	6.48	6.69	6.61
North 24-Parganas	11.27	10.96	11.13	11.60	11.65	11.83
South 24-Parganas	7.99	8.15	8.07	8.24	7.79	7.57
Kolkata	9.16	9.56	9.38	9.69	9.61	9.78
Nadia	5.78	5.47	5.62	5.70	5.50	5.22
Murshidabad	6.32	6.17	6.41	6.25	6.46	6.27
Uttar Dinajpur	2.12	2.16	2.02	2.10	2.15	1.96
Dakshin Dinajpur	1.64	1.70	1.65	1.68	1.61	1.52
Maldah	3.77	3.72	3.85	3.51	3.53	3.53
Jalpaiguri	4.27	4.19	4.09	4.17	4.09	4.05
Darjeeling	2.35	2.40	2.42	2.46	2.42	2.43
Coochbehar	2.53	2.57	2.47	2.41	2.53	2.49
Purulia	2.59	2.54	2.62	2.37	2.36	2.31
West Bengal	100	100	100	100	100	100

Source: Government of West Bengal (2008)

Table 9.4 Annual Growth Rates of Net District Domestic Product in Districts of West Bengal, 2000-01 to 2006-07

[at constant (1999-00) prices]

District	Percentage change over previous year							Average Growth
	2000-01	2001-02	2002-	2003-04	2004-05	2005-06 (P)	2006-07(Q)	
Burdwan	1.71	7.76	3.72	7.45	8.90	7.26	7.75	6.36
Birbhum	2.42	11.06	1.98	3.44	1.68	5.66	9.06	5.04
Bankura	6.57	6.21	-3.95	2.22	5.49	6.00	6.92	4.21
Undevided Medinipur	4.72	4.14	2.41	9.89	12.93	3.60	10.13	6.83
Purba Medinipur	-	-	-	15.50	15.91	3.41	11.78	11.65
Paschim Medinipur	-	-	-	3.46	9.12	3.85	7.90	6.08
Howrah	7.86	6.29	8.20	0.79	7.16	8.43	10.02	6.96
Hooghly	2.51	9.69	-0.48	8.67	5.28	7.91	4.91	5.50
North 24-Parganas	0.66	8.98	7.86	5.79	8.20	11.52	8.92	7.42
South 24-Parganas	5.67	6.12	5.78	-0.43	3.52	7.62	10.52	5.54
Kolkata	8.06	5.26	6.92	4.48	8.42	11.66	9.78	7.80
Nadia	-1.96	10.15	4.85	1.82	1.03	5.81	6.01	3.96
Murshidabad	1.09	11.49	0.81	9.04	3.29	7.43	7.35	5.79
Uttar Dinajpur	5.60	0.52	7.70	7.51	-2.53	11.36	6.06	5.17
Dakshin Dinajpur	7.76	3.95	4.98	1.34	0.51	7.01	3.03	4.08
Maldah	2.39	11.05	-5.83	6.10	6.59	3.45	6.86	4.37
Jalpaiguri	1.55	4.86	5.44	3.30	5.49	5.27	10.85	5.25
Darjeeling	5.76	8.01	5.07	3.74	6.78	7.71	8.40	6.50
Coochbehar	5.16	3.06	1.07	10.50	4.64	7.81	19.74	7.43
Purulia	1.50	10.59	-6.12	4.90	4.40	1.69	11.27	4.03
West Bengal	3.54	7.29	3.50	5.37	6.49	7.47	8.81	6.07

Source: Government of West Bengal (2008)

Table 9.5 Estimates of Net District Domestic Product of West Bengal by Industry of Origin at Constant (1999-00) Prices, 1999-00 to 2004-05 (Rs Lakh)

District	Agriculture					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	292205	283421	316627	323061	326339	323910
Birbhum	150896	148310	177091	177871	177306	177357
Bankura	182284	197094	214307	187861	186534	196829
Purba Medinipur	485032	484921	500577	206438	214240	226228
Paschim Medinipur				290736	284346	304218
Howrah	95063	81870	85918	93047	91456	91046
Hooghly	214661	214682	252542	207397	245687	245534
North 24-Parganas	247967	228950	262333	254458	252607	255074
South 24-Parganas	212193	198823	212727	209508	208061	194562
Kolkata	3089	3304	3182	3058	2940	2825
Nadia	283845	273643	310346	321884	312939	297868
Murshidabad	312132	296062	350084	332666	369695	365848
Uttar Dinajpur	116738	123587	118726	135925	146444	130155
Dakshin Dinajpur	96195	104990	107838	109568	108975	102089
Maldah	193517	185715	215677	174896	182468	199377
Jalpaiguri	211216	213505	221140	232986	230568	237035
Darjeeling	92517	98098	104976	108029	108689	113187
Coochbehar	144862	151092	152424	150171	173154	183815
Purulia	99697	98363	120356	97486	111914	111846
West Bengal	3434109	3386430	3726871	3617047	3734362	3758803

Table 9.5 (Continued)

District	Forestry					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	6790	7217	7869	8415	9108	9807
Birbhum	4250	4553	4992	5380	5860	6357
Bankura	5836	5698	6614	6642	7345	7712
Purba Medinipur	14515	15010	16764	7691	8313	9011
Paschim Medinipur				9884	10894	11544
Howrah	3174	3435	3712	4025	4349	4716
Hooghly	5027	5435	5869	6358	6867	7439
North 24-Parganas	6134	6634	7195	7800	8451	9172
South 24-Parganas	12709	12010	14289	14001	15621	16239
Kolkata	0	0	0	0	0	0
Nadia	5378	5859	6383	6970	7591	8291
Murshidabad	7615	8293	9028	9853	10725	11707
Uttar Dinajpur	3157	3462	3800	4178	4582	5038
Dakshin Dinajpur	1939	2113	2305	2515	2743	2997
Maldah	4519	4930	5386	5890	6431	7038
Jalpaiguri	5867	5616	6637	6571	7324	7657
Darjeeling	2771	2499	3077	2911	3287	3365
Coochbehar	3428	3684	3998	4314	4667	5050
Purulia	4254	4233	4839	4930	5421	5724
West Bengal	97363	100682	112757	118328	129579	138864

Table 9.5 (Continued)

District	Fishery					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	31693	28345	30725	27951	29516	27488
Birbhum	17836	17832	17390	15090	14922	12665
Bankura	16387	17543	17232	18131	16569	17406
Purba Medinipur	111980	120502	111574	92056	85724	91981
Paschim Medinipur				14192	13300	13398
Howrah	6756	6786	6630	6716	6860	9155
Hooghly	19161	20448	20009	19990	21936	23945
North 24-Parganas	45244	45484	44829	54378	69194	97290
South 24-Parganas	84316	90859	83918	90439	94093	93534
Kolkata	7806	7797	7559	7278	0	0
Nadia	18650	12589	18207	18151	18628	20026
Murshidabad	18485	19509	19112	19288	22273	22223
Uttar Dinajpur	8469	9065	9112	4241	4477	4723
Dakshin Dinajpur	6373	6822	6877	10382	10282	10202
Maldah	11076	10784	10846	10797	11325	11795
Jalpaiguri	2554	2734	2769	2401	4656	4594
Darjeeling	735	786	796	738	110	111
Coochbehar	4860	5203	5243	4750	5325	6047
Purulia	25993	27825	27199	24112	19537	18872
West Bengal	438374	450913	440027	441081	448727	485455

Table 9.5 (Continued)

District	Mining & quarrying					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	129123	149164	157420	158846	170203	193097
Birbhum	315	370	409	375	609	518
Bankura	45	78	93	70	170	153
Purba Medinipur	40	57	67	27	73	64
Paschim Medinipur				22	58	51
Howrah	5	8	10	8	18	16
Hooghly	13	22	28	21	53	48
North 24-Parganas	12	19	24	18	48	42
South 24-Parganas	16	18	18	13	38	33
Kolkata	8	12	14	12	28	24
Nadia	2	3	5	3	8	8
Murshidabad	17	28	35	26	68	61
Uttar Dinajpur	2	2	3	2	6	5
Dakshin Dinajpur	1	1	2	1	3	3
Maldah	12	20	25	18	48	44
Jalpaiguri	24	37	47	36	91	81
Darjeeling	44	72	90	68	175	157
Coochbehar	2	2	3	3	6	5
Purulia	120	155	185	152	276	241
West Bengal	129801	150069	158478	159722	171979	194651

Table 9.5 (Continued)

District	Manufacturing registered					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	89689	63342	67967	76336	103919	146208
Birbhum	293	1451	1557	1749	2369	1059
Bankura	1906	3400	3649	4098	3338	3640
Purba Medinipur	39248	34460	36975	36836	105118	168845
Paschim Medinipur				4692	13392	21511
Howrah	45553	62526	67091	75352	49374	56591
Hooghly	57968	53367	57263	64314	53144	54605
North 24-Parganas	122779	87053	93411	104913	78341	67180
South 24-Parganas	69601	100838	108201	121526	90889	101664
Kolkata	6158	16730	17952	20163	16479	13371
Nadia	27028	8978	9633	10819	5761	5957
Murshidabad	2688	3718	3990	4480	1830	2647
Uttar Dinajpur	733	227	243	273	646	66
Dakshin Dinajpur	488	589	632	711	485	794
Maldah	636	2948	3163	3552	3177	2118
Jalpaiguri	13539	5759	6179	6940	3930	6817
Darjeeling	3764	4036	4330	4863	3177	2714
Coochbehar	98	317	341	383	485	464
Purulia	6598	3673	3941	4426	2585	5626
West Bengal	488767	453412	486518	546426	538439	661877

Table 9.5 (Continued)

District	Manufacturing unregistered					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	38029	43347	43719	48143	51275	52824
Birbhum	15920	18208	18428	20364	21764	22499
Bankura	17547	19999	20168	22205	23648	24358
Purba Medinipur	55915	63811	64437	29078	31007	31982
Paschim Medinipur				41965	44749	46156
Howrah	57619	65711	66311	73059	77854	80248
Hooghly	43594	49769	50275	55449	59150	61031
North 24-Parganas	69160	79412	80690	89514	96048	99674
South 24-Parganas	40766	46740	47419	52524	56272	58311
Kolkata	31298	35345	35324	38541	40673	41516
Nadia	40714	46630	47255	52286	55955	57921
Murshidabad	67214	77248	78558	87222	93668	97295
Uttar Dinajpur	9259	10683	10908	12158	13107	13668
Dakshin Dinajpur	6843	7854	7976	8844	9485	9840
Maldah	35678	41038	41768	46412	49883	51856
Jalpaiguri	21940	25167	25545	28310	30344	31460
Darjeeling	5083	5842	5940	6597	7084	7359
Coochbehar	9608	10953	11050	12169	12964	13358
Purulia	13528	15420	15553	17128	18243	18795
West Bengal	579715	663198	671324	741968	793173	820151

Table 9.5 (Continued)

District	Construction					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	57722	62209	67731	71480	88086	94987
Birbhum	19186	20638	22461	23271	28638	31142
Bankura	19395	20608	20882	20998	25680	28233
Purba Medinipur	54291	56357	63819	35277	43579	45019
Paschim Medinipur				31636	39083	43532
Howrah	29163	31735	34538	37530	46176	50161
Hooghly	38193	40477	44316	48469	59197	64363
North 24-Parganas	81467	85835	95587	105711	130883	141587
South 24-Parganas	51819	54546	60180	65334	81396	88410
Kolkata	66694	67931	73248	76586	81270	87370
Nadia	27715	29514	32166	34914	42215	46337
Murshidabad	56634	59794	66138	72380	90924	99031
Uttar Dinajpur	9829	10567	11161	11669	14506	15682
Dakshin Dinajpur	4969	5313	5658	6138	7477	8191
Maldah	26553	28018	30687	33329	41898	46005
Jalpaiguri	32503	33195	35652	38154	47695	52267
Darjeeling	22030	22624	24911	26122	31595	34726
Coochbehar	12272	13245	14334	15494	19076	20615
Purulia	13657	14060	15561	16709	20464	22003
West Bengal	624092	656666	719030	771201	939838	1019661

Table 9.5 (Continued)

District	Electricity, gas, water supply					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	18318	21161	22404	25544	23902	25947
Birbhum	4394	5093	5411	6191	5813	6333
Bankura	4421	5106	5405	6162	5765	6258
Purba Medinipur	10050	11623	12321	7415	6946	7550
Paschim Medinipur				6650	6230	6770
Howrah	5639	6518	6904	7876	7374	8009
Hooghly	9901	11455	12147	13871	13000	14135
North 24-Parganas	19546	22748	24263	27868	26271	28728
South 24-Parganas	6420	7461	7945	9112	8577	9365
Kolkata	14189	16241	17037	19247	17844	19193
Nadia	4253	4936	5251	6016	5656	6169
Murshidabad	6410	7466	7970	9162	8645	9462
Uttar Dinajpur	1269	1484	1591	1836	1739	1911
Dakshin Dinajpur	731	850	906	1040	980	1071
Maldah	3523	4107	4388	5049	4767	5222
Jalpaiguri	3756	4366	4652	5338	5027	5492
Darjeeling	3754	4373	4668	5366	5063	5542
Coochbehar	1375	1588	1682	1918	1795	1949
Purulia	4480	5176	5480	6248	5847	6348
West Bengal	122429	141752	150425	171909	161241	175454

Table 9.5 (Continued)

District	Transport, storage & communication- railways					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	15926	17281	17996	19199	20895	22382
Birbhum	2253	2453	2563	2745	2998	3222
Bankura	1611	1747	1820	1941	2111	2263
Purba Medinipur	19337	21010	21901	12335	13440	14415
Paschim Medinipur				11061	12053	12927
Howrah	16211	17600	18337	19574	21314	22844
Hooghly	11419	12411	12944	13832	15077	16176
North 24-Parganas	17679	19325	20274	21791	23889	25781
South 24-Parganas	4433	4838	5068	5439	5954	6416
Kolkata	10485	11273	11632	12293	13260	14073
Nadia	4405	4803	5024	5387	5890	6341
Murshidabad	2673	2925	3071	3304	3626	3915
Uttar Dinajpur	442	485	511	553	609	660
Dakshin Dinajpur	42	46	48	52	56	61
Maldah	2775	3039	3194	3438	3776	4081
Jalpaiguri	5974	6525	6837	7342	8041	8668
Darjeeling	2558	2798	2939	3162	3470	3746
Coochbehar	938	1019	1061	1132	1232	1321
Purulia	8800	9549	9945	10611	11549	12370
West Bengal	127961	139127	145165	155191	169240	181662

Table 9.5 (Continued)

District	Transport by other means & storage					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	38227	39848	41767	44347	48739	50851
Birbhum	8039	7997	8379	9121	9788	9428
Bankura	10880	11344	11698	11858	12680	12766
Purba Medinipur	25863	28569	34484	21383	25674	32187
Paschim Medinipur				15568	16014	19070
Howrah	32226	34261	35382	41345	45544	44354
Hooghly	26781	27573	28941	30310	33163	33924
North 24-Parganas	75621	82737	91050	103510	112799	115100
South 24-Parganas	52407	52829	59177	66656	60782	60132
Kolkata	196724	197097	202550	210919	217226	218116
Nadia	13200	14671	15662	16585	19263	15315
Murshidabad	14620	14855	17105	16244	17368	18618
Uttar Dinajpur	5900	6618	3929	8052	9014	9248
Dakshin Dinajpur	2722	2874	2936	3145	3253	3612
Maldah	12064	11773	14489	14866	15764	14144
Jalpaiguri	13442	15978	16696	18116	19075	20513
Darjeeling	19925	21179	25813	28645	31156	33101
Coochbehar	7914	9200	10805	11062	11724	6909
Purulia	6889	7457	7726	7346	8037	7852
West Bengal	563444	586860	631589	679078	717063	725240

Table 9.5 (Continued)

District	Communications					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	11812	14131	16054	18977	24010	27985
Birbhum	2196	2632	3001	3556	4511	5270
Bankura	2154	2575	2929	3457	4376	5099
Purba Medinipur	7180	8598	9779	6100	7723	9006
Paschim Medinipur				5469	6927	8076
Howrah	10722	12816	14550	17170	21678	25240
Hooghly	11943	14302	16265	19241	24351	28407
North 24-Parganas	33173	39970	45732	54426	69321	81356
South 24-Parganas	11282	13564	15490	18389	23367	27370
Kolkata	33025	39096	43957	51374	64231	74075
Nadia	5147	6192	7068	8401	10686	12521
Murshidabad	3821	4611	5286	6304	8041	9452
Uttar Dinajpur	1437	1742	2003	2396	3072	3628
Dakshin Dinajpur	1052	1271	1454	1727	2200	2589
Maldah	1816	2194	2516	3000	3835	4513
Jalpaiguri	4883	5878	6722	8001	10187	11944
Darjeeling	4787	5772	6611	7873	10038	11794
Coochbehar	1722	2058	2344	2769	3502	4085
Purulia	1170	1400	1588	1875	2367	2764
West Bengal	149322	178801	203349	240504	304423	355174

Table 9.5 (Continued)

District	Trade, hotels & restaurants					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	212702	221304	249116	251316	274151	301928
Birbhum	53372	55419	65064	65075	70576	66892
Bankura	61513	65975	73539	69558	74400	75990
Purba Medinipur	254608	289099	314011	203986	245329	308948
Paschim Medinipur				114654	121349	129428
Howrah	141874	160649	179979	187420	184550	196671
Hooghly	158938	155767	177917	174881	188062	193903
North 24-Parganas	237315	225979	260773	268867	273285	296696
South 24-Parganas	199591	206049	228853	235934	224400	228487
Kolkata	74818	88915	106369	109053	109351	102115
Nadia	109862	111303	128693	132042	137831	138054
Murshidabad	131752	133057	153383	153109	165103	167851
Uttar Dinajpur	37225	39310	41765	43961	48644	48048
Dakshin Dinajpur	28303	31188	34078	35141	35562	36231
Maldah	71907	77761	89236	84059	90316	93946
Jalpaiguri	82061	83233	92434	95588	98921	100836
Darjeeling	32078	35518	40346	41394	41849	43095
Coochbehar	41995	44033	47468	47009	52902	54688
Purulia	46797	47663	55247	51311	52063	53873
West Bengal	1976711	2072222	2338272	2364358	2488625	2637680

Table 9.5 (Continued)

District	Banking & insurance					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	77761	76532	79032	80568	78207	87193
Birbhum	36668	35894	36868	37483	36192	40154
Bankura	34981	34244	35173	35759	34527	38090
Purba Medinipur	100731	98812	101704	41361	39936	44285
Paschim Medinipur				62041	60111	66541
Howrah	45729	45177	46614	47823	46383	51398
Hooghly	52262	51571	53395	54501	52623	58511
North 24-Parganas	77971	76739	79457	81213	79247	87651
South 24-Parganas	49311	48271	49793	50624	48879	53922
Kolkata	204201	201130	209342	213267	206748	231752
Nadia	38143	37338	38139	38776	37647	41531
Murshidabad	46361	45384	46826	46962	45343	50480
Uttar Dinajpur	17701	17329	17586	17880	17056	18586
Dakshin Dinajpur	13066	12790	13560	13787	13312	14455
Maldah	30135	29499	30935	31236	30160	33271
Jalpaiguri	28660	28055	28816	29297	28287	31205
Darjeeling	22127	21867	23095	23912	23712	26616
Coochbehar	23181	22692	23307	23697	22880	25240
Purulia	23602	23104	23731	24128	23503	25928
West Bengal	922591	906428	937373	954315	924753	1026809

Table 9.5 (Continued)

District	Real estate, ownership of dwellings & business services					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	68627	73768	76030	81752	87581	95035
Birbhum	24544	25540	26021	27034	27955	29045
Bankura	25570	26507	26913	27850	28685	29619
Purba Medinipur	75021	79312	81285	45295	47686	50591
Paschim Medinipur				40630	42747	45412
Howrah	55453	64040	68064	78016	88680	102385
Hooghly	61022	69673	73792	83790	94460	108064
North 24-Parganas	138430	167273	181568	215847	253188	301424
South 24-Parganas	69524	77025	80784	89371	98428	109865
Kolkata	141395	180424	196965	241980	290204	352507
Nadia	42412	45299	46874	49959	53044	56785
Murshidabad	43298	45389	46624	48740	50646	52846
Uttar Dinajpur	18143	18867	19286	19997	20658	21412
Dakshin Dinajpur	12700	13243	13540	14088	14619	15195
Maldah	25036	26257	26970	28208	29353	30655
Jalpaiguri	40097	41903	42836	44747	46597	48911
Darjeeling	23495	25273	26223	28226	30343	33019
Coochbehar	21796	22511	22832	23531	24160	24856
Purulia	18520	18947	19080	19485	19796	20225
West Bengal	905083	1021251	1075687	1208546	1348830	1527851

Table 9.5 (Continued)

District	Public administration					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	41666	45630	45942	45079	42377	48279
Birbhum	16190	17749	17915	17409	16399	19735
Bankura	23564	24160	24159	23401	21971	25146
Purba Medinipur	51352	55353	55600	29180	28428	18763
Paschim				26172	25496	36497
Howrah	26932	26373	26420	25611	23980	27282
Hooghly	32075	32871	33500	33980	33817	40142
North 24-Parganas	48666	52658	52664	51514	49131	50762
South 24-Parganas	29168	30818	30610	30015	28802	33310
Kolkata	198295	208768	209463	208546	204738	226285
Nadia	34068	35686	35898	35491	34046	39565
Murshidabad	25175	26513	27074	26522	25246	31211
Uttar Dinajpur	11473	11851	11973	11661	11066	13082
Dakshin Dinajpur	8074	8401	8353	8367	7739	9900
Maldah	14143	14541	14749	14363	13553	15620
Jalpaiguri	22361	22880	22172	21855	21192	25974
Darjeeling	25057	25086	25441	24755	23259	27470
Coochbehar	13770	15372	15239	14870	13900	15848
Purulia	17565	18154	18292	17834	16738	20181
West Bengal	639594	672864	675464	666625	641878	725052

Table 9.5 (Continued)

District	Other services					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	105335	110108	113999	123740	131064	135799
Birbhum	40722	42528	44112	47897	50743	52785
Bankura	47503	49459	51112	55336	58515	60533
Purba Medinipur	147460	153659	158845	90944	96353	99724
Paschim Medinipur				81559	86410	89433
Howrah	74388	77836	80767	87443	92731	96069
Hooghly	88545	92548	95796	104128	110576	114313
North 24-Parganas	185638	195249	203358	222727	238252	247776
South 24-Parganas	103765	109132	113805	124034	132299	137755
Kolkata	154910	161120	165592	177902	187531	191624
Nadia	66949	70153	72811	79525	84886	87890
Murshidabad	50244	52865	55078	60325	64431	67135
Uttar Dinajpur	22242	23516	24638	27033	28857	30362
Dakshin Dinajpur	20921	21936	22828	24899	26451	27637
Maldah	36447	38422	40180	43977	47030	49264
Jalpaiguri	43819	46126	48102	52419	55881	58290
Darjeeling	33056	34868	36334	39958	42809	44608
Coochbehar	28229	29397	30389	32897	34752	36009
Purulia	31303	32654	33825	36565	38676	40071
West Bengal	1281476	1341576	1391571	1513308	1608247	1667077

Table 9.5 (Continued)

District	Total					
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Burdwan	1235625	1256809	1354398	1404754	1509372	1643720
Birbhum	397074	406667	451663	460612	476443	484461
Bankura	455597	485537	515693	495327	506314	534095
Purba Medinipur	1452624	1521153	1584143	865402	999550	1158599
Paschim Medinipur				756932	783159	854564
Howrah	646507	697341	741227	802015	808321	866185
Hooghly	831503	852371	934999	930532	1011163	1064540
North 24-Parganas	1406795	1416065	1543208	1664555	1760955	1905293
South 24-Parganas	997321	1053822	1118277	1182919	1177858	1219375
Kolkata	1143102	1235184	1300186	1390218	1452523	1574846
Nadia	721771	707597	779415	817209	832046	840579
Murshidabad	789139	797717	889362	896587	977632	1009782
Uttar Dinajpur	264018	278795	280235	301815	324483	316274
Dakshin Dinajpur	204420	220281	228991	240405	243622	244867
Maldah	469837	481046	534209	503090	533784	568949
Jalpaiguri	532696	540957	567236	598101	617816	651744
Darjeeling	293781	310691	335590	352619	365816	390610
Coochbehar	316050	332366	342520	346169	382524	400259
Purulia	322973	327833	362548	340346	357016	372719
West Bengal	12480833	12922232	13863900	14349607	15120397	16101461

Table 9.6 Sectoral Contribution of Gross District Domestic Product by Broad Sectors in West Bengal at Constant (1999-00) Prices (Per cent)

Year	1999-2000				2004-05			
	Primary Sector	Secondary sector	Tertiary sector	Total	Primary sector	Secondary sector	Tertiary Sector	Total
Burdwan	36.58	18.99	44.43	100	32.73	22.59	44.68	100
Birbhum	42.47	11.08	46.45	100	39.51	13.9	46.59	100
Bankura	43.61	10.58	45.81	100	40.44	13.06	46.5	100
Undivided Midnapore	40.87	12.48	46.65	100	-	-	-	-
Purba Medinipur	-	-	-	-	27.24	25.98	46.78	100
Paschim Medinipur	-	-	-	-	37.06	15.5	47.44	100
Howrah	15.1	23.95	60.95	100	11.38	25.1	63.52	100
Hooghly	27.03	20.77	52.2	100	24.71	20.7	54.59	100
North 24-Parganas	19.89	23.79	56.32	100	18.46	19.53	62.01	100
South 24-Parganas	29.84	19.32	50.84	100	24.4	23.73	51.87	100
Kolkata	0.93	10.94	88.13	100	0.16	10.96	88.88	100
Nadia	40.91	15.72	43.37	100	37.62	15.12	47.26	100
Murshidabad	41.55	18.21	40.24	100	38.43	22.1	39.47	100
Uttar Dinajpur	47.46	8.72	43.82	100	43.1	10.73	46.17	100
Dakshin Dinajpur	50.09	7.05	42.86	100	46.31	8.92	44.77	100
Maldah	43.19	15.35	41.46	100	37.2	19.96	42.84	100
Jalpaiguri	39.5	14.89	45.61	100	36.8	15.9	47.3	100
Darjeeling	31.03	12.8	56.17	100	28.29	13.85	57.86	100
Coochbehar	47.26	7.97	44.77	100	47.62	9.78	42.6	100
Purulia	38.62	13.44	47.94	100	35.33	15.87	48.8	100
West Bengal	31.46	16.4	52.14	100	27.32	18.61	54.07	100

Source: Bureau of Applied Economics & Statistics, Government of West Bengal 2008

Table 9.7 Sectoral Contribution of Net District Domestic Product by Broad Sectors in West Bengal at Constant (1999-00) Prices (Per cent)

Year	1999-2000				2004-05			
	Primary Sector	Secondary sector	Tertiary sector	Total	Primary sector	Secondary sector	Tertiary Sector	Total
Burdwan	37.21	16.49	46.3	100	33.72	19.47	46.81	100
Birbhum	43.64	10.02	46.34	100	40.64	12.6	46.76	100
Bankura	44.9	9.5	45.6	100	41.58	11.7	46.72	100
Undivided Midnapore	42.1	10.98	46.92	100	-	-	-	-
Purba Medinipur	-	-	-	-	28.25	21.87	49.88	100
Paschim Medinipur	-	-	-	-	38.52	13.81	47.67	100
Howrah	16.24	21.34	62.42	100	12.12	22.51	65.37	100
Hooghly	28.73	18	53.27	100	26.02	18.24	55.74	100
North 24-Parganas	21.28	20.82	57.9	100	18.98	17.7	63.32	100
South 24-Parganas	31.01	16.9	52.09	100	24.96	21.14	53.9	100
Kolkata	0.96	10.35	88.69	100	0.18	10.25	89.57	100
Nadia	42.66	13.81	43.53	100	38.81	13.84	47.35	100
Murshidabad	42.86	16.85	40.29	100	39.6	20.64	39.76	100
Uttar Dinajpur	48.62	7.99	43.39	100	44.24	9.91	45.85	100
Dakshin Dinajpur	51.12	6.38	42.5	100	47.08	8.13	44.79	100
Maldah	44.51	14.13	41.36	100	38.36	18.49	43.15	100
Jalpaiguri	41.23	13.47	45.3	100	38.26	14.74	47	100
Darjeeling	32.7	11.79	55.51	100	39.91	12.89	57.2	110
Coochbehar	48.46	7.39	44.15	100	48.7	9.09	42.21	100
Purulia	40.27	11.85	47.88	100	36.67	14.16	49.17	100
West Bengal	32.85	14.54	52.61	100	28.43	16.62	54.95	100

Source: Bureau of Applied Economics & Statistics, Government of West Bengal 2008

Table 9.8 Percentage Share of Sectors Other Than Agriculture and Manufacturing in District Domestic Products of Districts in West Bengal, 1999-00 to 2004-05

District	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	Rank 2004-05
Burdwan	64.78	71.13	68.54	68.32	68.29	68.18	4
Birbhum	54.07	61.38	56.7	56.93	58.07	58.53	10
Bankura	54.96	57.42	54.32	57.3	58.38	57.91	11
Purba Medinipur	71.87	64.96	62.09	68.6	65.01	63.14	8
Paschim Medinipur				55.53	56.35	56.48	13
Howrah	72.38	73.8	70.54	70.03	73.08	73.69	2
Hooghly	61.55	64.5	61.32	64.66	64.4	66.08	6
North 24-Parganas	67.66	73.84	71.59	72.9	75.62	77.85	1
South 24-Parganas	69	69.22	67.06	67.56	69.85	70.92	3
Nadia	52.96	58.1	53.01	53	55.06	56.96	12
Murshidabad	55.75	60.55	53.48	55.3	54.87	56.17	14
Uttar Dinajpur	46.99	49.66	48.56	44.91	45.22	48.95	18
Dakshin Dinajpur	54.73	53.27	49.17	50.47	51.22	53.97	16
Maldah	52.82	54.66	55.99	61.36	61.81	60.62	9
Jalpaiguri	54.03	57.49	52.78	51.27	52.86	54.14	15
Darjeeling	61.21	70.61	63.57	63.9	65.08	65.15	7
Coochbehar	48.92	52.6	52.82	53.77	52.35	51.5	17
Purulia	63.06	72.29	63.82	68.08	65.55	66.54	5
West Bengal	66.97	71.37	67.79	68.53	69.54	70.11	-

Source: Governmen of West Bengal (2008).

9.2 Trend in Per Capita Income

From the point of view of development connotations, low per capita income is an important feature of economic underdevelopment. Per capita income is an indicator for reflecting the well-being of the population. The districts with higher per capita income indicates its higher status in the development ladder. According to National Human Development Report (2001), the inclusion of economic indicators like net domestic product or per capita income is "generally explained on the ground that they are indirect but good measures of other valued attainments". As the disaggregate district level data of consumption expenditure is not available, per capita income is taken as an indicator of growth. Estimates of per capita income in districts of West Bengal at current prices for 1999-00 to 2005-06 are shown in Table 9.9 and those at constant prices in Table 9.10. From the latter table it is observed that the North Bengal districts are in lower echelon; the sole exception is Darjeeling district The ranking of the districts on the basis of per capita income (at constant prices 1999-2000) in 2004-05 shows that except Nadia, all three are in the bottom three ranks. During 2000-01 to 2004-05 all the districts of West Bengal recorded increase in per capita income at constant (1999-00) prices.The highest increase was registered in Purba Medinipur district followed by Kolkata district, the lowest increase being registered in Purulia district. During 2004-05 at current prices and constant prices Kolkata district recorded the highest per capita income followed by Purba Medinipur district, the lowest per capita income being registered in Uttar Dinajpur district.

The global economic meltdown has affected almost all countries. Consequently, the pace of economic growth of India has slowed down. The overall slowing down process has also affected the State's economy. But due to the alternative policy implemented by the State government beginning with land reforms, this adverse effect has been relatively low in this State. The rate of growth of this State measured by the growth in its Net State Domestic Product (NSDP) at constant 1999-2000 price was 7.89 per cent in 2007-08. In spite of moderate growth in manufacturing sector, steady growth in agriculture and sustained improvement in the service sector characterized, the growth path of the economy of, West Bengal.

Table 9.9 Estimates of Per Capita Income in District of West Bengal at Current Prices, 1999-00 to 2005-06 (Rs)

District	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	Rank
Burdwan	18254.17	18519.18	20546.00	21318.31	24040.95	26974.98	3
Birbhum	13480.24	13461.01	14665.55	15258.87	16872.30	17010.47	17
Bankura	14533.99	15137.74	15900.53	15694.95	16986.01	18077.15	14
Purba Medinipur	15423.42	16540.88	16922.08	21548.81	26091.56	30950.50	2
Paschim Medinipur				15091.70	16737.87	17872.41	15
Howrah	15424.24	17048.55	18134.57	20337.72	21314.26	23264.08	7
Hooghly	16837.16	17294.43	19311.43	19428.47	22343.09	23712.02	5
North 24-Parganas	16208.81	16413.84	17933.81	19495.82	21406.13	23384.99	6
South 24-Parganas	14832.48	16223.98	16923.10	18277.68	18823.67	19922.25	9
Kolkata	25134.17	27627.99	30584.64	33222.93	36585.58	40414.47	1
Nadia	16075.44	15928.35	17479.58	18422.94	19538.79	19950.13	8
Murshidabad	13864.00	13745.08	15249.90	18319.31	17710.21	18241.33	13
Uttar Dinajpur	11206.20	11222.08	11543.66	12263.63	13755.48	13225.51	19
Dakshin Dinajpur	13989.87	14449.18	15234.15	16065.87	16917.81	17014.80	16
Maldah	14733.51	14877.61	16322.63	15529.55	17225.11	18545.80	11
Jalpaiguri	16099.37	16423.94	16112.18	17190.31	18453.71	19883.56	10
Darjeeling	18817.64	20220.45	20815.75	21892.16	23769.05	25199.24	4
Coochbehar	12990.14	13455.12	14495.20	14503.16	17001.44	18402.71	12
Purulia	12971.85	13127.96	14115.22	13600.28	15202.78	15942.83	18
West Bengal	15826.17	16521.44	17826.35	18745.52	20804.26	22526.00	-

Source: Government of West Bengal (2008).

Table 9.10 Estimates of Per Capita Income in District of West Bengal at Constant (1999-90) Prices, 1993-94 to 2004-05

District	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
Burdwan	14063.93	14616.38	15204.05	16703.65	16628.65	17835.06	18254.17
Birbhum	9755.49	10354.94	11172.87	11535.67	12090.78	13336.70	13480.24
Bankura	9931.17	10814.70	11695.30	12096.08	13007.13	12931.99	14533.99
Purba Medinipur	12963.33	12197.49	12814.10	13603.63	13785.99	13866.73	15423.42
Paschim Medinipur							
Howrah	10730.23	11198.63	11949.22	11777.53	13625.85	14368.03	15424.24
Hooghly	12482.27	13176.98	14166.45	15367.51	14713.47	15143.36	16837.16
North 24-Parganas	12895.19	13149.91	14088.60	14344.17	16627.11	17954.56	16208.81
South 24-Parganas	11455.48	12401.65	12208.47	12716.68	13587.45	14283.12	14832.48
Kolkata	15176.15	15993.15	17661.69	17849.70	19830.19	22657.60	25134.17
Nadia	10875.45	11331.16	12012.38	13622.74	14531.36	14993.36	16075.44
Murshidabad	9975.59	10470.82	11093.67	11954.92	12580.18	13094.09	13864.00
Uttar Dinajpur	8417.09	9150.47	9238.28	9846.51	10218.61	10942.30	11206.20
Dakshin Dinajpur	9066.44	9840.86	10247.28	11076.79	11285.06	12187.11	13989.87
Maldah	10354.59	10907.17	11932.80	12608.90	13899.40	13693.42	14733.51
Jalpaiguri	12154.19	12580.03	13358.34	13911.01	14724.17	15347.27	16099.37
Darjeeling	13265.54	14017.61	14219.76	14261.68	18226.67	16719.65	18817.64
Coochbehar	10308.33	10484.10	11350.06	11963.43	12504.20	13224.36	12971.85
Purulia	8678.37	9655.03	10176.20	10681.51	12578.92	11379.00	12971.85
West Bengal	11472.56	12046.68	12722.24	13381.44	14277.26	14966.96	15826.17

Source: Government of West Bengal

Table 9.10 (continued)

District	2000-01	2001-02	2002-03	2003-04	2004-05	Gr. Rate %	Rank 2004-05	Rank Gr. rate
Burdwan	18325.91	19492.51	19954.74	21162.49	22746.67	5.61	3	6
Birbhum	13579.56	14834.40	14880.53	15139.11	15141.30	5.02	17	12
Bankura	15290.10	16030.74	15199.67	15336.81	15970.31	5.53	12	8
Purba Medinipur	15921.97	16346.20	19165.57	21831.86	24957.43	15.11	2	1
Paschim Medinipur			14240.89	14520.42	15613.89	4.82	14	15
Howrah	16411.89	17209.42	18369.14	18263.43	19306.47	7.27	7	3
Hooghly	17008.98	18386.67	18032.87	19310.64	20034.25	5.50	5	9
North 24-Parganas	15985.38	17068.05	18037.50	18695.77	19818.73	4.88	6	14
South 24-Parganas	15378.87	16013.36	16621.27	16239.60	16496.54	4.00	10	18
Kolkata	17054.74	18368.52	30216.22	31448.74	33966.27	11.26	1	2
Nadia	15481.15	16750.81	17252.34	17254.85	17123.22	5.22	9	11
Murshidabad	13718.97	14972.42	14775.66	15771.57	15946.53	5.44	13	10
Uttar Dinajpur	11538.57	11380.92	11875.93	12449.95	11832.17	3.69	19	19
Dakshin Dinajpur	14777.02	15057.27	15495.00	15390.86	15162.98	6.11	16	5
Maldah	14755.11	16026.91	14762.90	15320.57	15972.29	4.93	11	13
Jalpaiguri	16034.06	16489.42	17052.55	17275.28	17873.63	4.28	8	17
Darjeeling	19480.28	20597.19	21184.68	21513.53	22486.33	6.32	4	4
Coochbehar	13480.67	13709.57	13672.84	14909.73	15395.17	4.49	15	16
Purulia	12995.32	14184.19	13141.79	13605.79	14019.37	5.59	18	7
West Bengal	16185.16	17173.38	17514.90	18231.62	19190.80	6.12	---	----

Source: Government of West Bengal (2007, 2008).

Chapter 10

SOCIAL PROBLEMS IN DISTRICTS OF WEST BENGAL

This chapter presents database highlighting some social problems like regional and gender disparity in literacy, health, work participation, gender development, human development, poverty, banking services and offence, which is important in the context of the concept of 'social exclusion' that has gained wide popularity in recent years. Dimensions of social exclusion include institutional exclusion (from education system and other public and private service institutions), economic exclusion (poverty and financial dependency upon state) and exclusion from labour market, which we present in the sections that follow.

10.1 Literacy

Urban rural differential in literacy rate whether among persons, male and female was highest in Uttar Dinajpur district in both 1991 and 2001 but it got significantly reduced in this district and all other districts in 2001 compared to that in 1991 for both male and female and also for all persons. Gender gap in literacy rate was also highest in Uttar Dinajpur district in both 1991 and 2001 but that also got reduced in 2001 in all the districts of the state. Both gender gap and rural urban differential in literacy rate among scheduled castes and scheduled tribes in districts of West Bengal were substantial in 2001. The former was highest among SC and ST in Coochbehar district followed by Bankura while the latter was highest among SC and ST in South 24-Parganas. Literacy rate among both SC and ST females was much lower than that among SC and ST males. Number of children out of school was largest in Uttar Dinajpur district followed by South 24-Parganas (Table 10.1 to Table 10.3).

Table 10.1 Urban Rural Differential in Literacy Rate in Districts of West Bengal, 1991 & 2001

Districts	Urban-rural differential					
	2001			1991		
	Person	Male	Female	Person	Male	Female
Darjeeling	17.7	11.9	23.6	27.6	21.8	33.5
Jalpaiguri	21.0	15.5	26.7	31.4	26.7	36.3
Coochbehar	20.7	15.8	26.1	34.3	27.5	41.9
Uttar Dinajpur	37.0	30.4	44.0	46.7	40.9	52.7
Dakshin Dinajpur	22.6	17.7	28.0	38.9	33.4	44.9
Maldah	31.3	28.0	35.1	40.5	37.0	44.2
Murshidabad	16.0	17.2	15.1	25.3	25.4	25.3
Birbhum	17.8	15.3	20.5	20.8	18.2	23.4
Burdwan	11.4	9.3	13.1	14.1	11.5	15.9
Nadia	19.2	18.2	20.4	27.4	26.8	28.5
North 24-Parganas	15.8	12.7	18.8	25.1	20.1	30.1
Hooghly	11.9	7.9	15.4	13.9	8.7	18.7
Bankura	18.3	12.2	24.5	23.7	18.2	29.3
Purulia	22.2	12.8	31.6	30.3	21.7	38.5
Undivided Medinipur	6.9	4.4	9.3	10.1	5.2	15.0
Howrah	8.3	4.5	11.7	12.4	7.4	16.8
South 24-Parganas	12.2	7.2	17.4	19.7	12.7	26.7
West Bengal	17.5	12.7	22.3	24.8	19.1	30.2

Source: Census of India 2001

Table 10.2 Gender Gap in Literacy Rate in Districts of West Bengal ,1991 and 2001

Districts		Gender gap		Districts		Gender gap	
		2001	1991			2001	1991
Darjeeling	T	17.4	19.3	Nadia	T	12.6	15.7
	R	21.1	22.5		R	13.2	16.2
	U	9.4	10.8		U	11	14.5
Jalpaiguri	T	20.7	22.8	North 24-Parganas	T	12.3	16.7
	R	22.8	24.4		R	15.5	21.7
	U	11.6	14.8		U	9.4	11.7
Coochbehar	T	19.8	24.1	Hooghly	T	15.4	18.9
	R	20.8	25.4		R	17.7	21.8
	U	10.5	11		U	10.2	11.8
Uttar Dinajpur	T	22.1	22.3	Bankura	T	27.4	30.2
	R	23.7	23.7		R	28.4	31.1
	U	10.1	11.9		U	16.1	20
Dakshin Dinajpur	T	18.2	21.5	Purulia	T	37	39
	R	19.6	23		R	38.9	40.4
	U	9.3	11.5		U	20.1	23.6
Maldah	T	17.5	20.7	Medinipur	T	20.7	24.7
	R	18.1	21.2		R	21.2	25.6
	U	11	14		U	16.3	15.8
Murshidabad	T	13.1	16.8	Howrah	T	12.8	18.3
	R	12.8	16.9		R	16.2	22.6
	U	14.9	17		U	9	13.2
Birbhum	T	19.4	22.1	South 24-Parganas	T	20.2	27.9
	R	19.8	22.5		R	21.8	29.7
	U	14.6	17.3		U	11.6	15.7
Burdwan	T	17.4	19.6	Kolkata	T	6.1	9.8
	R	18.6	20.7	West Bengal	T	17.4	21.2
	U	14.8	16.3		R	20	24
					U	10.4	12.9

Source: As in Table 10.2.

Table 10.3 Gender Gap (GG) and Rural Urban (RU) Differential in Literacy Rate among Scheduled Castes and Scheduled Tribes in Districts of West Bengal, 2001

Districts	SC		ST		Districts	SC		ST	
	GG2001	RU2001	GG2001	RU2001		GG2001	RU2001	GG2001	RU2001
Burdwan	24.15	8.82	27.17	4.58	Nadia	18.81	15.84	21.16	23.06
Birbhum	24.7	13.12	26	4.69	Murshidabad	27.78	21.03	21.88	35.89
Bankura	31.11	12.56	36.71	24.21	Uttar Dinajpur	24.26	12.1	24.92	28.48
Medinipur	27.04	8.01	32.09	14.9	Dakshin Dinajpur	23.88	17.7	25.09	34.32
Howrah	19.1	13.23	18.97	32.08	Maldah	23.75	7.24	23.57	19
Hooghly	22.53	17.41	27.29	10.27	Jalpaiguri	23.6	12.1	19.22	33.85
24-Parganas	18.18	8.28	25.11	22.19	Darjeeling	23.53	10.94	23.08	21.62
North 24-Parganas	25.42	12.32	26.45	20.49	Coochbehar	36.66	5.61	37.86	20.28
South 24-Parganas	14.99	70.54	16.59	76.39	West Bengal	23.64	11.9	28.23	16.32
Kolkata	17.82	7.44	22.58	12.51					

Source: As in Table 10.1.

10.2 Health

There is significant differential in respect of health indicators of development, namely immunization, anti-natal check up, institutionalized delivery, percentage of malnourished children and percentage of 0-6 years children weighed and percentage of families under sanitation coverage. Percentage of institutional delivery was highest in Hooghly district while that of malnourished children was highest in Paschim Medinipur. There is high differential across districts in respect of percentage of rural households using unsafe sources of drinking water. It was highest in Purulia (90.79 per cent) followed by Jalpaiguri (55.85 per cent). There is also substantial differential in respect of percentage of rural households with latrine facilities across districts. It was highest in North 24-Parganas (53.44 per cent) followed by Darjeeling (46.86 per cent) in 2001(Table 10.4 to Table 10.6).

In 2001, number of disabled persons – both male and female - was largest in undivided Medinipur district followed by North 24-Parganas, the smallest number being registered in Dakshin Dinajpur district in both rural and urban areas (Table 10.7). Percentage of child marriage, i.e., that of married women below 18 years was highest in Murshidabad followed by Maldah, the lowest percentagr being registered in Kolkata while mean age of marriage was lowest in Maldah (Table 10.8).

Table 10.4 Differential in Some Health Indicators in Districts of West Bengal

Districts	Full immuni-zation	3 or more ante natal check up	Institution-alized delivery	% of malnourished children	% of 0-6 years children weighed	% of sanitation coverage
Bankura	67.4	74.8	62.4	57.03	67.1	34.21
Birbhum	43.2	63.0	48.1	56.1	71.59	47.06
Burdwan	60.2	63.6	58.8	56	49.93	100
Dakshin Dinajpur	60.2	68.2	44.9	54.6	54.66	12.9
Darjeeling	57.0	51.3	43.0	42.87	30.59	0
Hooghly	73.6	78.1	75.1	50.9	47.47	82.4
Howrah	58.3	77.9	56.7	48.39	58.15	102.5
Jalpaiguri	69.5	47.0	40.2	50.09	33.94	57.5
Coochbehar	53.4	47.0	36.8	49.24	48.93	47.37
Maldah	46.9	62.2	27.5	54.87	46.4	32.44
Murshidabad	27.9	39	33.2	52.92	56.04	30.73
Nadia	71.9	67.6	65.1	46.26	79.81	98.4
North 24 -Parganas	62.0	64.5	50.2	50.2	44.89	94.51
Paschim Medinipur	53.1	73.9	43.6	60.51	54.91	100
Purba Medinipur	53.1	73.9	43.6	53.2	65.58	102.3
Purulia	65.5	69.8	48.9	52.41	69.17	75.1
South 24 -Parganas	54.4	65.4	30.5	51.18	59.11	58
Uttar Dinajpur	27.6	42.7	20.6	47.73	64.89	25.98
Total	1005.2	1129.9	829.2	934.5	1003.2	1101.4

Source: Government of West Bengal (2007), *Human Development Profile 2007*, Development and Planning Department.

Table 10.5 Proportion of Rural Households Using Unsafe Sources of Drinking Water in Districts of West Bengal, 2001

District	Well	Tank/ pond/ lake	River, canal	Springs	Any other source	Households using surface water	Total
Burdwan	6.14	0.12	0.1	0.17	0.18	0.57	7.28
Birbhum	11.71	0.09	0.42	0.20	0.09	0.8	13.31
Bankura	27.5	0.20	1.1	0.44	0.16	1.9	31.3
Undevided Medinipur	14.14	0.40	0.24	0.23	0.18	1.05	16.24
Howrah	0.48	0.15	0.02	0.16	0.05	0.38	1.24
Hooghly	0.61	0.07	0.02	0.19	0.18	0.46	1.53
North 24-Parganas	0.08	0.35	0.04	0.20	0.39	0.98	2.04
South 24-Parganas	0.03	0.40	0.01	0.20	0.10	0.71	1.45
Nadia	0.40	0.04	0.06	0.18	0.47	0.75	1.9
Murshidabad	1.18	0.08	0.06	0.17	0.22	0.53	2.24
Uttar Dinajpur	6.04	0.03	0.06	0.13	0.15	0.37	6.78
Dakshin Dinajpur	3.72	0.08	0.02	0.22	0.11	0.43	4.58
Maldah	14.28	0.11	0.06	0.17	0.17	0.51	15.3
Jalpaiguri	51.89	0.20	0.56	0.49	0.73	1.98	55.85
Darjeeling	34.27	0.10	0.92	25.34	1.90	28.26	90.79
Coochbehar	13.52	0.06	0.27	0.08	0.95	1.36	16.24
Purulia	52.19	0.90	4.47	1.24	0.30	6.91	66.01
West Bengal	11.41	0.22	0.36	0.73	0.29	1.6	14.61

Source: Census of India, 2001, West Bengal.

Table 10.6 Rural Households with Latrine Facilities in Districts of West Bengal, 1991 and 2001

District	Coverage in 1991 (%)	Coverage in 2001 (%)	Growth Index of Coverage
Burdwan	15.32	26.97	1.76
Birbhum	6.79	11.64	1.714
Bankura	3.94	8.20	2.081
Undevided Medinipur	4.74	26.19	5.525
Howrah	13.60	35.84	2.635
Hooghly	21.34	38.15	1.787
North 24-Parganas	28.33	53.44	1.886
South 24-Parganas	13.70	32.33	2.36
Nadia	22.71	43.85	1.931
Murshidabad	8.36	17.97	2.149
Uttar Dinajpur	6.15	12.61	2.05
Dakshin Dinajpur	6.15	15.10	2.455
Maldah	7.84	16.03	2.044
Jalpaiguri	15.43	27.50	1.782
Darjeeling	27.23	46.86	1.721
Coochbehar	9.69	23.37	2.412
Purulia	3.27	4.37	1.336
West Bengal	12.26	26.93	2.196

Source: Census 1991 and Census 2001 Household Tables.
Note: Growth Index = Value in 2001 / Value in 1991.

Table 10.7 Number of Disabled Persons by Sex in Districts of West Bengal, 2001

District	Rural population			Urban population			Total population		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
West Bengal	774521	579732	1354253	220859	164244	385103	995380	743976	1739356
Burdwan	57150	40937	98087	29149	20361	49510	86299	61298	147597
Birbhum	32306	22753	55059	2821	1975	4796	35127	24728	59855
Bankura	37000	27588	64588	2394	1755	4149	39394	29343	68737
Undivided Medinipur	119976	89359	209335	11511	8511	20022	131487	97870	229357
Howrah	28794	20867	49661	27916	18825	46741	56710	39692	96402
Hooghly	42449	31398	73847	21095	15598	36693	63544	46996	110540
North 24 -Parganas	54336	42054	96390	59188	46016	105204	113524	88070	201594
South 24-Parganas	80946	58504	139450	12766	9500	22266	93712	68004	161716
Nadia	48436	36367	84803	13344	10484	23828	61780	46851	108631
Murshidabad	78294	58412	136706	10984	8615	19599	89278	67027	156305
Uttar Dinajpur	20631	16119	36750	2356	1794	4150	22987	17913	40900
Dakshin Dinajpur	14386	11835	26221	2315	1914	4229	16701	13749	30450
Maldah	32086	24736	56822	2560	1997	4557	34646	26733	61379
Jalpaiguri	39655	31575	71230	7471	5535	13006	47126	37110	84236
Darjeeling	23891	19990	43881	7367	5734	13101	31258	25724	56982
Coochbehar	33406	24725	58131	4405	3418	7823	37811	28143	65954
Purulia	30779	22513	53292	3217	2212	5429	33996	24725	58721

Source: Census of India, 2001

Table 10.8 Child Marriage in Districts of West Bengal, DLHS 2002-04

Districts	Currently married women (0-4 duration)				Rural women who married below 18		Mean age of marriage & rank*		
	Total	< 18	%	Rank	%	Rank	M	F	Rank
Purulia	75848	32637	43.03	5	44.76	7	23.7	18.3	7
Birbhum	106494	50133	47.10	3	48.18	5	23.6	17.6	2
Bankura	106573	40617	38.11	10	39.03	12	26.0	18.1	5
Burdwan	230056	81250	35.32	12	39.95	11	25.3	18.0	4
Mednipur	341708	134817	39.45	9	40.71	10	24.6	17.6	2
Howrah	135265	33650	24.88	16	29.52	15	25.6	19.8	12
Hoogly	168863	49136	29.10	14	33.33	14	25.6	19.5	10
North 24-Parganas	293565	95732	32.61	13	48.42	3	24.9	19.6	11
South 24-Parganas	263093	95808	40.58	8	43.92	9	24.0	18.2	6
Kolkata	119864	18310	15.28	18	00	18	27.9	21.5	14
Nadia	160402	68274	42.56	6	46.36	6	24.5	18.4	8
Murshidabad	201204	106343	52.85	1	54.71	1	22.4	18.1	5
Uttar Dinajpur	73957	26373	35.66	11	37.23	13	24.6	17.8	3
Dakshin Dinajpur	50959	23194	45.51	4	48.30	4	26.9	17.8	3
Maldah	108621	53170	48.95	2	50.52	2	23.7	17.2	1
Jalpaiguri	111000	31410	28.30	15	29.43	16	25.2	19.0	9
Darjeeling	51979	10799	20.78	17	22.31	17	23.9	20.9	13
Coochbehar	81716	34664	42.42	7	44.53	8	25.1	18.2	6

Source: DLHS, 2002-04

10.3 Gender Disparity

For districts of West Bengal there is significant differential across seven relatively developed districts, namely Kolkata, Howrah, Hooghly, Burdwan, North 24-Parganas, Nadia and Purba Medinipur and five relatively backward districts, namely Purulia, Birbhum, Bankura, Paschim Medinipur and South 24-Parganas in respect of gender development index (GDI) that includes literacy rate, school enrolment and work participation rate. In 2001, GDI was highest for Kolkata (0.59) followed by Darjeeling (0.57), Howrah (0.560) and Hooghly (0.56), Medinipur (0.55) and North 24-Parganas (0.55) and Burdwan (0.54), the lowest GDI being registered in Maldah. Male and female work participation rate differential in 1991 was highest in Howrah followed by Kolkata and Nadia while in 2001 that was highest in Howrah followed by Kolkata and North 24-Parganas (Table 10.9 and Table 10.10).

Table 10. 9 Gender Development Index (GDI) in Districts of West Bengal, 2001

SI. NO	Districts	Literacy rate (%) 2001		School enrolment rate (%)		Percentage of workers to population		GDI	
		Male	Female	Male	Female	Male	Female	Index	Rank
1	Darjeeling	81.28	63.92	71.5	68.8	25.10	10.18	0.57	2
2	Jalpaiguri	73.64	52.90	60.6	43.2	27.06	11.30	0.45	12
3	Coochbehar	76.83	57.04	65.7	51.9	28.26	10.73	0.45	12
4	Uttar Dinajpur	59.27	37.16	57.2	42.0	26.87	11.47	0.46	10
5	Dakshin Dinajpur	73.30	55.12	-	-	28.61	12.14	-	-
6	Maldah	59.24	41.67	45.9	37.2	27.05	13.70	0.39	17
7	Murshidabad	61.40	48.33	53.9	45.8	26.29	7.84	0.41	15
8	Birbhum	71.57	52.21	62.5	52.5	27.94	9.47	0.42	14
9	Burdwan	79.30	61.93	64.9	56.8	27.99	7.50	0.54	7
10	Nadia	72.67	60.06	68.0	60.3	28.37	6.76	0.49	9
12	North 24-Parganas	84.35	72.13	72.6	66.5	28.15	5.29	0.55	5
13	Hooghly	83.05	67.72	71.2	61.7	29.13	7.71	0.56	3
14	Bankura	77.21	49.80	69.4	51.9	29.13	15.59	0.46	10
15	Purulia	74.18	37.	66.2	42.0	26.84	17.62	0.40	16
16	Medinipur	85.25	64.63	74.4	67.0	27.92	11.14	0.55	5
17	Howrah	83.68	70.93	73.8	63.3	29.48	4.23	0.56	3
18	Kolkata	84.07	77.92	77.8	66.8	32.12	5.54	0.59	1
19	South 24-Parganas	79.89	59.73	69.6	56.4	26.88	5.59	0.51	8

Source: Government of West Bengal, Human Development Profiles 2007.

Table 10.10 Differential in Male and Female Work Participation Rate and Its Reduction in Districts of West Bengal, 1991 to 2001

District/ State	Male work participation rate 1991 (%)	Female work participation rate 1991(%)	Male & female work participation differential 1991	Male work participation rate 2001 (%)	Female work participation rate 2001 (%)	Male-female work participation differential 2001	Reduction in male-female work participation differential 1991 to 2001 (%)
Burdwan	50.10	9.01	41.09	53.76	15.65	38.11	7.25
Birbhum	52.45	12.75	39.70	54.46	19.46	35.00	11.84
Bankura	51.79	19.21	32.58	56.89	31.96	24.93	23.48
Undivided	51.90	17.50	34.40	54.61	22.79	31.82	7.50
Howrah	51.47	3.73	47.74	56.19	8.90	47.29	0.94
Hooghly	52.31	8.05	44.26	56.73	15.85	40.88	7.64
North 24-Parganas	49.98	5.41	44.57	54.23	11.00	43.23	3.00
South 24-Parganas	48.84	6.18	42.66	52.11	11.56	40.55	4.95
Kolkata	53.86	6.91	46.95	58.72	12.23	46.49	0.98
Nadia	52.00	5.13	46.87	55.23	13.89	41.34	11.80
Murshidabad	51.49	10.33	41.16	51.32	16.08	35.24	14.38
Uttar Dinajpur	54.30	12.48	41.82	52.05	23.72	28.33	32.26
Dakshin Dinajpur	54.72	13.88	40.84	55.79	24.92	30.87	24.41
Maldah	51.51	16.77	34.74	52.69	28.16	24.53	29.39
Jalpaiguri	50.62	15.64	34.98	52.53	23.31	29.22	16.47
Darjeeling	47.13	20.09	27.04	48.79	20.97	27.82	2.88
Coochbehar	53.58	9.21	44.37	55.08	22.04	33.04	25.53
Purulia	51.24	34.61	16.63	52.42	36.11	16.31	1.92
West Bengal	51.40	11.25	40.15	54.23	18.08	36.15	9.96

Source: Census of India 1991 & 2001

10.4 Human Development

UNDP-formulated Human Development Index (HDI) is based on three indicators. These are longevity as measured by the life expectancy at birth; educational attainment as measured by a combination of adult literacy (two thirds weight) and combined primary, secondary and tertiary enrolment ratio (one third weight) and standard of living as measured by real GDP per capita. For the construction of the indices, fixed minimum and maximum values have been established for each of these indicators. Before the HDI itself is calculated, an index is created for each of these dimensions. Performance in each dimension is expressed as a value varying between 0 and 1 by applying the following formula:

$$\text{Dimension Index} = \frac{\text{Actual Value} - \text{Minimum Value}}{\text{Maximum Value} - \text{Minimum Value}}$$

The Human Development Index (HDI) is simple average of three dimension indices, namely health index, income index and education index.

Kolkata recorded the highest dimension indices as well as human development index (HDI) followed by Howrah and North 24-Parganas, the lowest HDI being registered in Maldah (Table 10.11).

Table 10.11 Health Index, Income Index, Education Index & Human Development Index in Districts of West Bengal, 2001

District	Health index	Income index	Education index	HDI	HDI rank
Darjeeling	0.73	0.49	0.72	0.65	4
Jalpaiguri	0.61	0.38	0.6	0.53	10
Coochbehar	0.5	0.41	0.65	0.52	11
Dinajpur	0.62	0.39	0.53	0.51	13
Maldah	0.49	0.36	0.48	0.44	17
Murshidabad	0.57	0.29	0.52	0.46	15
Birbhum	0.53	0.27	0.61	0.47	14
Burdwan	0.74	0.47	0.71	0.64	5
Nadia	0.65	0.41	0.66	0.57	9
North 24 Parganas	0.72	0.49	0.76	0.66	3
Hooghly	0.77	0.46	0.67	0.63	6
Bankura	0.67	0.26	0.62	0.52	11
Purulia	0.61	0.18	0.55	0.45	16
Medinipur	0.68	0.45	0.74	0.62	7
Howrah	0.77	0.53	0.75	0.68	2
Kolkata	0.82	0.73	0.8	0.78	1
South 24 Parganas	0.71	0.4	0.68	0.6	8
West Bengal	0.7	0.43	0.69	0.61	-

Source: As in Table 10.9

10.5 Poverty

Poverty is a complex phenomenon with multiple dimensions that can not be comprehended by the use of a single homogeneous criterion applicable to all strata of the society and regions of a state or a country at all times. According to the UNDP's Human Development Report (HRD) 1996, income is only part of the human picture. To quote from this report, "just as human development encompasses aspects of life much broader than income, so poverty should be seen as having many dimensions". HRD 1996 introduced the concept of Capability Poverty Measure (CPM) having multidimensional measure of human development. UNDP's capability poverty measure considered lack of three capabilities. First is represented by the proportion of births unattended by trained health persons; second, lack of capability to be well nourished and healthy, represented by the proportion of underweight children of below 5 years; and third is lack of capability to be educated and knowledgeable represented by female illiteracy. UNDP calculated CPM by taking simple arithmetic mean of all these three deprivations. Human poverty index is the extension of the concept of CPM to other dimensions of deprivation. UNDP considered three indicators of the human poverty index considered to be the essential elements of human life – they are longevity, knowledge and decent standard of living.

In 1992 the Ministry of Rural Development, Government of India (GOI) undertook the task of identifying below the poverty line (BPL) families through periodic village census. The first such census taken up in 1992 used income criteria and the next census taken up in 1997 in the context of the Ninth Plan used expenditure criteria. For the Tenth Plan period which began from the year 2002, a new approach was recommended by an Expert Group. In this approach a thirteen point “score-able” indicators were used to rank the families. In West Bengal there was urgency to take up and complete the identification process well before the Panchayat elections of 2003 and, therefore, the same had to be initiated following earlier methodology before the final guideline was received. The State Government decided to take up a household survey based on twelve score-able indicators in the year 2005 along with the Economic Census taken up by the GOI. Outcome of the survey was computerized, which took some time and the same was published at Gram Sansad level for public scrutiny and receiving claims and objections. The date of submitting claims and objections was extended as per unanimous resolution of the State Legislative Assembly. The list was finalized during 2007-08 and the same was accepted with effect from

the 1st April, 2007. However, the list is supposed to be regularly modified and improved by regularly inviting claims and objections to be followed by appropriate enquiry and correction of scores.

As per survey made by the District Rural Development Agency of districts in 2002, percentage of BPL families was highest in Coochbehar district followed by Darjeeling, the lowest percentage being registered in Burdwan district (Table 10.12). As per Rural Household Survey conducted by Department of Panchayats and Rural Development in 2005 percentage of BPL families was highest in Coochbehar (51.81) district followed by Birbhum (42.33), the lowest percentage being registered in Howrah district (14.89) (Table 10.13).

Human poverty index (HPI) is estimated to be highest in Purulia district followed by Uttar Dinajpur and Maldah, the lowest index being registered in Hooghly district. Human poverty index, percentage of BPL households are related to percentage of utilization of funds by panchayats. Percentage of panchayat funds utilized was highest in Darjeeling followed by Hooghly, the lowest percentage being registered in Mushidabad. It is estimated that human poverty ratio is inversely and significantly related to percentage of utilization of panchayat funds and positively and significantly related to percentage of BPL households. Percentage of pattadars having lost possession of land and that of bargadars having been evicted of land are shown along with BPL per cent across districts in Table 10.14.

There is significant differential between rural and urban areas in respect of consumption expenditure. The ratio of urban to rural consumption was highest in Purulia (2.15) followed by Bankura (1.83). Rural poverty ratio was highest in Purulia (78.72 per cent) followed by Bankura (59.62 per cent) (Table 10.15).

Table 10.12 Some Results of BPL Survey in Districts of West Bengal, 2002 (as on October 30)

District	Total number of Families	Total number of BPL families	% of BPL families	Rank	SC	ST	Woman headed families	Physically handicapped	Small farmers	Marginal farmers	Rural artisans	Agricultural labourers
Bankura	535766	227626	42.5	7	111501	31,248	14,911	2,050	8,834	24,480	7,902	143177
Birbhum	542536	238873	44.0	3	63093	15,243	30,287	6,053	5,854	17,297	14,801	25,073
Burdwan	915758	240276	26.2	18	133,427	32,855	17,872	2,868	294	24,756	22,549	155686
Coochbehar	475119	218542	46.0	1	111140	1114	25,856	1,529	23,308	32,804	9,000	108886
Darjeeling	97335	52147	45.0	2	4934	6411	5943	820	2600	4445	2884	13515
Dakshin Dinajpur	262984	114529	43.5	5	34,157	15,418	11,986	3,317	-	-	5,577	11,568
Howrah	483945	155739	32.2	15	42,268	385	10,855	767	46,473	1,421	11,587	65,722
Hooghly	672672	195630	29.1	16	98104	15972	15583	3648	506	3302	4925	108135
Jalpaiguri	601635	215840	35.9	13	96020	48,059	NA	2717	1,378	62,398	3,484	
Murshidabad	1067570	466644	43.3	6	73988	9730	43275	7816	7936	56249	22176	284850
Nadia	779336	266721	34.2	14	92,649	10,627	23,700	2,675	3,771	6,320	22,842	1,82,414

Table 10.12 (continued)

District	Total no. of families	Total no. of BP families	% of BPL families	Rank	SC	ST	Woman headed families	Physically handicapped	Small farmer	Marginal Farmer	Rural artisans	Agricultural labourer
North 24-Parganas	825401	311277	37.7	11	137053	23091	78370	4449	722	11533	14053	235483
Purulia	452092	197381	43.7	4	40,645	47,666	8,573	1,676	28,923	42,728	11,303	75291
Purba Medinipur	702071	188778	26.9	17	39101	1824	19927	3439	810	23874	8123	139744
Paschim Medinipur	1,058,290	347945	32.9	15	99,909	70,316	38,941	2,984	9,421	21,582	29,096	2,39,323
South 24-Parganas	1042863	388033	37.2	12	158147	8,205	34,355	4,268	23,747	29,166	22,496	213570
Siliguri	84,380	32,233	38.2	10	12,893	5,471	2,914	453	2,401	9,822	2,420	14,165
Uttar Dinajpur	427281	175104	41.0	8	52,532	17,512	7,982	1,003	12,906	20,729	22,530	39,910
West Bengal	11,589,942	4251823	36.7	-	1456723	382,995	425,161	55,296	180,924	393,883	253,908	1,809,890

Source: Panchayat & Rural Development Department, Government of West Bengal

Table 10.13 Some Results of Rural Household Survey in Districts of West Bengal, 2005

Districts	No. of families	No. of BPL families (total score<=33)	BPL % Rank	No. of houseless families	No. of families living in kuchha house	No. of families migrating for casual labours	No of landless households	No of marginal farmers	No of small farmers	No of agricultural labour	No. of women headed families
Coochbehar	597817 (100.00)	309736 (51.81)	1	36418 (6.09)	319334 (53.42)	137692 (23.03)	324504 (54.28)	206569 (34.55)	49154 (8.22)	353878 (59.20)	21453 (3.59)
Jalpaiguri	673090 (100.00)	239236 (35.54)	8	49364 (7.33)	254048 (37.74)	59922 (8.90)	474277 (70.46)	137525 (20.43)	40572 (6.03)	340724 (50.62)	24403 (3.63)
Darjeeling	234590 (100)	57243 (24.40)	15	16754 (7.14)	60169 (25.65)	26951 (11.49)	157500 (67.14)	57616 (24.56)	13614 (5.80)	92817 (39.57)	9670 (4.12)
Uttar Dinajpur	490360 (100.00)	196303 (40.03)	3	20079 (4.09)	254600 (51.92)	71214 (14.52)	286074 (58.34)	131821 (26.88)	48265 (9.84)	256847 (52.38)	10335 (2.11)
Dakshin Dinajpur	364948 (100.00)	115625 (31.68)	13	17137 (4.70)	17743 (4.86)	43241 (11.85)	188522 (51.66)	112720 (30.89)	42887 (11.75)	178651 (48.95)	6905 (1.89)
Maldah	662235 (100.00)	259401 (39.17)	5	29087 (4.39)	254070 (38.37)	114197 (17.24)	400274 (60.44)	178102 (26.89)	57310 (8.65)	353425 (53.37)	17281 (2.61)
Murshidabad	1157135 (100.00)	461192 (39.86)	4	40833 (3.53)	483181 (41.76)	234154 (20.24)	767331 (66.31)	253734 (21.93)	90048 (7.78)	631867 (54.61)	32084 (2.77)
Nadia	862478 (100.00)	321064 (37.23)	6	33462 (3.88)	360420 (41.79)	142604 (16.53)	589616 (68.36)	184838 (21.43)	55406 (6.42)	465362 (53.96)	19496 (2.26)

Table 10.13 (continued)

Districts	No. of families	No. of BPL families (total score<=33)	BPL % Rank	No. of houseless families	No. of families living in kuchha house	No. of families migrating for casual labours	No of landless households	No of marginal farmers	No of small farmers	No of agricultural labour	No. of women headed families
North 24-Parganas	1048420 (100.00)	307026 (29.28)	14	41650 (3.97)	464916 (44.34)	150168 (14.32)	657742 (62.74)	297415 (28.37)	62563 (5.97)	537794 (51.30)	25046 (2.39)
South 24-Parganas	1237969 (100.00)	422726 (34.15)	9	46962 (3.79)	625931 (50.56)	258236 (20.86)	725086 (58.57)	399478 (32.27)	77259 (6.24)	625222 (50.50)	50233 (4.06)
Howrah	530499 (100.00)	79000 (14.89)	18	15083 (2.84)	110089 (20.75)	53906 (10.16)	381628 (71.94)	119862 (22.59)	18931 (3.57)	202013 (38.08)	10097 (1.90)
Hooghly	816925 (100.00)	177703 (21.75)	17	32342 (3.96)	245066 (30.00)	108762 (13.31)	490168 (60.00)	222898 (27.29)	65351 (8.00)	340762 (41.71)	24196 (2.96)
Purba Medinipur	847579 (100.00)	270996 (31.97)	12	29968 (3.54)	444065 (52.39)	184376 (21.75)	323592 (38.18)	452205 (53.35)	56518 (6.67)	399830 (47.17)	82312 (9.71)
Paschim Medinipur	1004065 (100.00)	365339 (36.39)	7	44580 (4.44)	531052 (52.89)	20088 (2.00)	318219 (31.69)	510160 (50.81)	124153 (12.37)	423447 (42.17)	35680 (3.55)
Purulia	501789 (100.00)	164838 (32.85)	11	17396 (3.47)	218704 (43.58)	69027 (13.76)	164083 (32.70)	220486 (43.94)	87246 (17.39)	205882 (41.03)	8284 (1.65)
Bankura	597569 (100.00)	172492 (28.87)	15	19038 (3.19)	275620 (46.12)	85051 (14.23)	251038 (42.01)	215136 (36.00)	85332 (14.28)	252676 (42.28)	14272 (2.39)
Birbhum	653926 (100.00)	276809 (42.33)	2	35265 (5.39)	375103 (57.36)	151741 (23.20)	379294 (58.00)	158479 (24.24)	72268 (11.05)	356864 (54.57)	23486 (3.59)
Burdwan	1112136 (100.00)	372533 (33.50)	10	52325 (4.70)	430918 (38.75)	184363 (16.58)	699538 (62.90)	227934 (20.50)	105030 (9.44)	562279 (50.56)	26465 (2.38)
Total	13393530 (100.00)	4569834 (34.12)		577819 4.31)	5725723 (4.27)	2095950 (15.65)	7579439 (56.59)	4087504 (30.52)	1152057 (8.60)	6581161 (49.14)	441753 (3.30)

Source: As in Table 10.13

Note: ( ) Figures within parentheses indicate respective ranks.

Table 10.14 Human Poverty Index in Relation to Percentage of Fund Utilization by Panchayats, Percentage of BPL Households, Percentage of Pattadars Having Lost Possesssion of Land and Percentage of Bargadars Having been Evicted of Land in Districts of West Bengal, 2001

Districts	Human poverty index (HPI)	Percentage of utilisation of panchayat funds	Percentage of BPL households 2002	Percentage of pattadars having lost possession of land	Percentage of bargadars having been evicted of land
Coochbehar	61.79	68.05	46.01	12.33	30.90
Jalpaiguri	59.06	66.66	35.87	16.72	31.60
Darjeeling	51.85	92.13	44.97	14.71	16.00
Uttar Dinajpur	73.60	67.45	42.26	22.35	31.49
Dakshin Dinajpur	57.80			19.17	30.73
Maldah	71.67	56.8	38.81	10.41	5.66
Murshidabad	66.08	48.67	43.31	15.87	19.06
Nadia	46.53	76.64	34.22	11.27	9.74
North 24-	42.18	68.02	37.7	16.99	16.65
South 24-	55.24	74.11	37.21	22.07	10.31
Howrah	42.01	68.27	32.12	9.34	15.90

Table 10.14(continued)

Districts	Human poverty index(HPI)	Percentage of utilisation of panchayat funds	Percentage of BPL households 2002	Percentage of pattadars having lost possession of land	Percentage of bargadars having been evicted of land
Hooghly	36.74	80.84	29.08	14.43	10.48
Medinipur	56.61	61.80	29.89	5.62	9.29
Bankura	53.32	71.50	42.48	15.45	11.09
Purulia	75.08	64.14	43.65	16.11	6.70
Burdwan	48.66	63.16	26.24	11.93	14.50
Birbhum	59.09	72.97	44.02	16.62	9.83
Total (West	52.67	67.88	36.68	13.23	14.37

Sources: (i) Chatterjee, B. & D K Ghosh (2003), *Towards a District Development Report for West Bengal*, State Institute of Panchayats and Rural Development, Kalyani, West Bengal, (ii) Government of West Bengal, *Human Development Report*, 2004 and (iii) Department of Panchayats and Rural Development, Government of West Bengal

Table 10.15 Rural and Urban Per Capita Consumption and Poverty in Districts of West Bengal, 1999-2000

Districts	Rural monthly per capita consumption (Rs)	Rural poverty ratio (per cent)	Urban monthly per capita consumption(Rs)	Urban poverty ratio (per cent)	Ratio of urban to rural consumption
Darjeeling	465.42	19.66	744.9	15.212	1.6
Jalpaiguri	416.43	35.73	465.23	61.53	1.12
Coochbehar	466.43	25.62	797.92	15.44	1.71
Dinajpur	484.56	27.61	843.27	19.29	1.74
Maldah	428.67	35.4	655.18	6.6	1.53
Murshidabad	385.69	46.12	522.27	49.56	1.35
Birbhum	382.81	49.37	669.37	21.83	1.75
Burdwan	501.58	18.99	707.92	17	1.41
Nadia	458.29	28.35	774.12	15.51	1.69
North 24-Parganas	550.84	14.41	839.81	9.99	1.52
Hooghly	486.9	20.43	723.03	11.43	1.48
Bankura	353.28	59.62	500.4	52.38	1.42
Purulia	280.15	78.72	603	6.47	2.15
Medinipur	490.2	19.83	864.26	19.25	1.76
Howrah	590.19	7.63	839.81	1.33	1.42
Kolkata	-	-	992.53	11.17	-
South 24-Parganas	453.2	26.86	828.6	8.5	1.83

10.6 Other Problems

Other problems include differential in banking services, registration and placement by employment exchange, and offences.

Differential in Banking Services: There is substantial differential as regards availing banking services across rural and urban areas, castes and districts. Rural households avail banking services less than urban and SCs and STs do so less than other castes. Percentage of households availing banking services was highest in Kolkata (69.83) followed by North 24-Parganas (46.35), the lowest percentage being registered in Uttar Dinajpur (16.17) (Table 10.16).

Registration and Placement Effected by Employment Exchange: In 2005, South 24-Parganas district recorded largest number of freshers registered followed by North 24-Parganas, the smallest number being registered in Dakshin Dinajpur district while number of placement effected was largest in Purba Medinipur district followed by North 24-Parganas. Vacancies notified were largest in Paschim Medinipur followed by Nadia and number on the live-register at the end of 2005 was largest in North 24-Parganas followed by Burdwan, the smallest number being registered in Dakshin Dinajpur district (Table 10.17).

*Offences:*In 2005, Burdwan district registered largest number of offences recorded followed by Howrah, the smallest number being witnessed in Purulia. Number of cases tried was largest in Maldah followed by Uttar Dinajpur, the smallest number being registered in Hooghly. Number of persons convicted was largest in Howrah district followed by Nadia and number of persons acquitted was largest in Nadia followed by Dakshin Dinajpur (Table 10.18).

Table 10.16 Percentage of Households Availing Banking Services in Districts of West Bengal, 2001

State / District	Total			SC			ST		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
Darjeeling	34.98	25.90	54.61	25.11	21.07	37.95	25.88	20.70	52.10
Jalpaiguri	26.26	21.76	45.88	16.95	15.41	28.39	28.50	28.20	35.60
Coochbehar	19.39	15.88	55.40	16.00	14.94	43.92	22.09	19.70	44.04
Uttar Dinajpur	16.17	12.26	48.08	14.78	13.30	32.07	7.64	6.93	30.18
Dakshin Dinajpur	22.91	19.20	50.16	17.08	16.17	27.76	12.09	11.65	29.51
Maldah	26.30	23.97	53.99	28.10	27.27	39.10	15.78	15.18	44.75
Murshidabad	24.58	22.18	41.88	26.40	24.90	36.13	16.08	14.08	40.98
Birbhum	36.20	33.76	61.08	27.80	27.00	38.63	16.97	16.65	28.06
Burdwan	42.97	33.16	58.81	27.82	23.29	40.03	22.36	16.48	38.52
Nadia	33.09	28.62	48.91	29.06	27.30	36.75	19.28	17.45	29.84
North 24-Parganas	46.35	28.22	60.96	35.30	27.81	46.52	25.25	14.03	43.79
Hooghly	43.01	32.57	62.54	24.86	19.20	45.64	21.19	15.68	46.26
Bankura	38.62	36.73	61.01	24.71	23.99	36.82	22.48	22.10	54.75
Purulia	30.70	27.37	59.99	24.54	23.69	31.39	17.63	17.13	45.13
Medinipur	36.38	33.79	58.11	28.14	26.71	43.06	20.58	19.60	41.75
Howrah	44.18	33.67	53.77	30.21	24.29	40.59	40.00	25.27	45.00
Kolkata	69.83	0.00	69.83	56.24	0.00	56.24	60.26	0.00	60.26
South 24-Parganas	28.31	22.79	54.02	25.97	23.01	50.69	18.87	13.74	44.55
West Bengal	39.79	27.56	59.41	26.63	22.54	43.84	22.00	18.46	45.22

Source: Census of India, 2001

Table 10.17 Number of Offences Reported, Cases Tried, Persons Convicted and Acquitted for Different Classes of Offence in the Districts of West Bengal, 2005

Districts	Class of offence			
	Offences reported	Cases tried	Persons convicted	Persons acquitted
Burdwan	38058	3794	139	2109
Birbhum	2018	344	76	1240
Bankura	9115	8693	8752	569
Purba Medinipur	2427	1825	28	35
Paschim Medinipur	11396	9132	1222	14
Howrah	12582	9191	8164	1027
Hooghly	3331	30	4	63
North 24 -Parganas	9736	-	-	-
South 24-Parganas	6778	5161	402	1265
Nadia	4753	2588	2796	3703
Murshidabad	4611	137	23	114
Uttar Dinajpur	1870	9782	115	1320
Dakshin Dinajpur	4444	2881	2023	1508
Maldah	10046	16318	42	6
Jalpaiguri	3065	461	127	1094
Darjeeling	2361	234	7	148
Coochbehar	2019	1379	252	62
Purulia	1031	698	150	8
West Bengal	129641	72648	24322	14285

Source: Superintendent of Police, Districts of West Bengal, District Statistical Handbook 2006

Table 10.18 Registration and Placement Effected by Employment Exchanges in Districts of West Bengal, 2005

Districts	Occupational group			
	Fresh registered	Placement effected	Vacancies notified	On live registere at the end of the year
Burdwan	35449	342	962	778287
Birbhum	13841	307	806	286997
Bankura	14550	160	222	302112
Purba Medinipur	21275	1193	326	431978
Paschim Medinipur	19088	264	2862	445685
Howrah	15844	187	233	418231
Hooghly	24237	98	554	475177
North 24 -Parganas	47708	929	720	911308
South 24-Parganas	90432	734	289	523977
Nadia	24837	409	2598	425747
Murshidabad	18527	122	1260	378896
Uttar Dinajpur	7018	571	116	160735
Dakshin Dinajpur	7281	130	282	122504
Maldah	10807	390	547	230738
Jalpaiguri	13732	349	541	206035
Darjeeling	9765	62	133	154938
Coochbehar	9754	391	93	158405
Purulia	9134	473	1333	212608
West Bengal	393279	7111	13877	6624358

Source: Employment Exchange of Districts of West Bengal

Chapter 11

NOTABLE PLACES IN DISTRICTS OF WEST BENGAL

Notable places in districts of West Bengal are presented here, which reflect their both traditional and emerging features.

District North 24-Parganas

North 24-Parganas district is located to the east of the Ganges. There is continuous and convenient communication facility between Kolkata and North 24-Parganas which are adjacent to each other. Under the PIN code of Kolkata, now Barasat, Barrackpore, Salt Lake, Birati, Dum Dum, Madhyamgram are included. Buses, taxies run within these places. Recently, in this Sadar city various government and private hospitals, educational institutions have came up. The roads have been broadened.

Important towns of the district outside the municipal towns include: Birati, Madhyamgram, Dattapukur, Asoknagar, Machhlandpur, Sodepur, Palta, Ichhapur and Shyamnagar.

Important places of the district are described as follows in a nut shell.

Chandraketu Garh: Berachanpa was the capital of ancient king Chandraketu. The place is located in between Barasat and Basirhat. The Garh was excavated in 1955 in the surrounding three kilometers area of Debalaya, Haripur, Salpukur, Ghekra etc. Chandraketu Garh is 25 ft high. The relics of Mouryya, Kushan, Gupta, Sen and Pal eras are found from the excavation of the Garh.

Parmadan Dear Park of Bangaon: The park with 64 hectares of forest land was built in 1980. Now it is called Bibhutibhusan forest and wild animal sanctuary. The river Ichhamati flows by the side of this protected area. It is a tourist place.

Barasat: It is an old town. It is an urban area with some rural character. There is quick communication with the Kolkata city by bus and train. West Bengal State University is established here recently.

Chakla Lokenath Temple: Situated by the side of Guma Highway it is the birth place of Baba Lokenath Brahmachari. Bus and train communication services with Kolkata are available.

Kachua Lokenath Temple is located in between Swarupnagar and Berachanpa.

Tegharea Loknath Temple: Jayanta Lamp Industry set up this temple made of white marbel. The temple is attractive for its formation and decoration.

Taki: It is an ancient town, 28 km away from Basirhat, by the side of the river Ichhamati. On the other side of this river is Satkhira village of Khulna district of Bangladesh. Bus and train communications with Kolkata are available from this place.

Hasnabad: Situated by the river Dhansa it is a tourist place and is regarded as a gateway to the Sundarbans.

Basirhat: Basirhat is derived from *Basur hat* (Basu's Market). Sahi Mosque was founded in 1467. The place is busy with fair throughout the year.

Bangaon: It is the border place of India and Bangladesh. Benapole and Petropole borders are beside this place.

South 24-Parganas

This district is located to the east of the Ganges and to the south of Kolkata and North 24-Parganas districts. It is drawing near EM Bypass of Kolkata district. Important towns / places of interest outside the municipal towns of the district are: Jadavpur, Bagha Jatin, Gariah, Narendrapur, Dakshin Barasat, Lakshikantapur, Sarisha, Amtala, Joka, Pailan, Roychak, Canning, Chamapahati, Gosaba, Sundarban, Sajnekhali, Bhangar, Alipore and Behala

Important sites/ places of interest are as follows.

Kakdwip: It is 43 km away from Kolkata and the place is renowned for "*Te Bhaga Movement"*. One can tour different places of the Sundarbans by boat from this place. Namkhana is by the side of Kakdwip.

Sagardwip: It is surrounded by water. It is said that one can tour all sacred places time and again but to tour Gangasagar is once for all. It is accessible by water from Kolkata.

Bakkhali: It is an important sea beach of West Bengal to attract the tourists. One can go to Bakkhali from Namkhana by boat. Mangrove forest of the area is attractive.

Frezerganja: It is by the side of Bakkhali. being a fish port as well as tourist spot.

Sundarbans: It is so named after the bountiful Sundari trees that abundantly grow. Forest and crocodile in water are thrilling for tourists. Numerous rivers and islands are found in the Sundarbans. Gosaba island, Sajnakhali, Pakhiralaya, Sudhanyakhali, Kalasdwip, Holiday Dwip, Netidhopanir Jetty and Puyali are other important sites of this area.

Canning: It is 40 kms away from Kolkata. It is called the gateway to the Sundarbans. Golekulhi and the remnants of the port that was built in 1858 are sites of interest. Solar Energy is used extensively. The place is notable for fish marketing

Gosaba: It accommodates hydro electric project named after R.Durgadoani. Village reconstruction work was done here under the Cooperative system in 1916. Rabindranath stayed at Beckon Bungloo of Gosaba. Daniel Hamilton's village Rangabelia is located near Gosaba.

Diamond Harbar: It is the Hirak Bandar of the British Kolkata, now called Diamond Harbar. It is 48 km away from Kolkata. Light house of the ancient time and the remnants of the Portuguese family are found here. Launch service is available here to reach Haldia.

Roychak: Situated on the bank of the river Ganges it is 52 km away from Kolkata. Many resorts are there. Roychak Hotel is pretty old.

Falta: It is the port as well as trade town of West Bengal. It is the Export processing zone or free trade zone of the Government of India. At the confluence of the Hooghly and the Damodar it is located.

Narendrapur Bird Sanctuary: It resounds with the twittering of brids.

Achhipur: In 1780, one Chinese trader Ing Achhu set up a sugar factory here. Achhipur is after him.

Howrah District

Kolkata and Howrah are twin cities. Important places of importance outside the municipal towns include: Debanandapur, Bagnan, Amta, Gadiara, Salkia, Sibpur, Andul, Deulti, Fuleswar, and Dhulagarh.

Shibpur: By the side of the river Hooghly, it is the place renowned for Botanical Garden covering 272 acres land. 35000 flower and fruit trees and other 15000 trees and many different medicinal plants are seen in this garden. There is a banyan tree 260 years old.

Howrah Bridge (Rabindra Setu): It bridges Howrah and Kolkata. The bridge is 705 meters long and 97 meters width and the third largest iron setu (Condeliver) of the world. In 1874 it was called Paltan Bridge made of boats. The construction of the present bridge started in 1939 and it was opened for transport in 1943.

Vidyasagar Setu / Bridge: In order to lessen the pressure of the Howrah Bridge it was made in 1992. This is the third largest cable shed bridge in Asia.

Belur Math: In 1938 Swami Vivekananda established the Math in memory of Guru Ramakrishna Paramhansadev. Now the Math is managed by the Ramakrishna Misson Ashram.

Debanandapur: It is the birth place of Sarat Chandra Chattopadhaya, the eminent literature. From Deulti station only a few kms away the place is by the side of the Rupnarayan.

Hooghly District

Hooghly was renowned as a trade centre port town before Calcutta came up. The East India Company traded in Hooghly. Its important places are the following.

Chinsura: The Duch traders made a fort on the land given by the Nawabab of Bengal. Later it was turned into an Armenian colony. The Dutchs left the place and migrated to Sumatra island of Indonesia. Hooghly Mahasin College is located at the area where the Dutch landed. Armani Girja built in 1695 is an attraction of this area.

Tribeni: Port town Saptagram of ancient days is now Bansberia. It accommodate Hanseswari Temple, Anantabasudeb Temple and holds memories of Pal and Sen eras.

Sabuj Dwip (Green island): The fishery department and the Hooghly Zilla Parishad jointly built this island at the confluence of the Behula and the Hooghly rivers. The area is very charming.

Pandua: It is named after the Hindu king Pandu Das. It accommodates Pancharatna temple of the 17th century. Besides, there are temples with exquisite sculpture of ancient days (1106 AD). Rajabari and zamindar palace, watch tower, Bijoy Stambha etc and many different historical sites here are attractive.

Atpur: Nine disciples along with Narendranath (Vivekanananda) took decision for taking sannyas at this place. Every year on 24th December the Putagni festival is arranged. There are some ancient temples.

Tarakeswar: King Bharamalla in 1729 made the temple of Shiba Taraknath. It is the famous and holy place to the pilgrims.

Radhanagar: It is the birth place of Raja Rammohan Roy, the great social reformer of India.

Kamarpukur: It is the birth place of Ramakrishna. The temple of Ramakrishna is 45 feet high and the image is built on white marble. Mango trees were planted by Ramakrishna. Halderpukur, Gopeswar Shiba Temple, Dhani Kamarini's house are located at this place.

Burdwan district

Today's Bardhaman is derived from 24th Jain Tirthankar Bardhaman 550-475 B.C. Krishnaram Roy was the Zamindar (landlord) of Burdwan.

Burdwan: Bijoy Toran, Golapbag, Burdwan University, Meghnad Saha Planetorium, Science Centre, Zoo developed in Ramana's garden etc are notable sites of the city

Durgapur: It is the Iron and Steel city of West Bengal. In 1957 was established Durgapur Steel Plant. Durgapur Coke Oven Project, Mining and Alloyed Machineries Corporation etc are important sites. Besides, Durgapur Barrage, Thermal Power Project of DVC, Deer Park, Lake and beautiful gardens etc. are attractions of the city.

Asansole: It is an industrial city. Burnpur is also an industrial city. The coal mines of Raniganj are important. It is the birth place of Nazrul Islam, Churulia is very near the city.

Chittaranjan: It is renowned for the Railway Engine Industry. Chittaranjan Locomotive Workshop is an attraction of this area.

Katoa: Here Mahapravoo Chaitanyadeb took initiation from Keshabbharati. Jagai Madhai dwelt at Madhabitala. Mangalkote to the west of Katoa on the bank of the Ajoy river is historically important. Here one can see the remnants of Mouryya, Shunga and Kushan eras. Dainhat is one of the Twelve *hats* and thirteen ghats of Katoa, Dainhat is a trade centre of ancient time. Bhaskar Pandit made *Durga Dalan* here.

Kalna: It is a trade and port town of the district. In the earlier days it was the place for summer residence of the Burdwan kings, Chitra Sen, Burdwan king, built here the temple of Devi Ambika in 1751. Since then it is known as Ambika Kalna. There is a bird sanctuary.

Birbhum district

It is the laterite soil district. It is the abode of temples and fares. Outside the municipal towns the places of importance of this district include: Santiniketan, Bolepur, Tarapith, Mahasmasan, Uddharanpurer Ghat, Bakreswar, Ilambazar, Joydeb-Kenduli, Masanjor, Hetampur, Labhpur and Fullara.

Santiniketan: In 1861, Maharshi Debendranath Tagore purchased 20 bighas of land from zamindar of Roypur, which is 3 km away from Bolepur station and built a cottage at this place. Rabindranath set up a Brahmacharya Ashram with only 5 students in 1901. In 1922 it was turned into Viswabharati University. After death of Rabindranath it was recognized as a central University on 14th May of 1951. In the Uttarayan, there are many rare materials that Rabindranath used. Besides, there are Kalabhaban, worship temple, Chhatemtala, Bhubandangar Math (field) etc. To the south of Santiniketan Sriniketan was set up in 1923 as a village handicraft centre. Agriculture Research Centre, Andrews Bhaban, Binoy Bhaban, Kalisayar, Kalimandir of Raghu Dakat, central library and different departments of the University etc are chief attractions where village and town mingle in a harmonious way.

Bakreswar: It is known to people as a land of Kundas. There are Brahma Kunda, Agni Kunda Chandra Kunda or Souvagya Kunda, Surya Kunda, Khar Kunda, Bhairab Kunda side by side. Water of Khar Kunda and Jibit Kunda is hot and there is Sulpher in water. Helium Gas is also obtained. Additional attraction is Bakreswar Thermal Power Project of Mukaberia. Mama Bhagne Hill is located near Bakreswar.

Tarapith: Ancient Chandipur is today's Tarapith. It is one of the 51 piths (holy places). Eyeball of the third eye of Sati is said to have fallen here. That is why it is called Tarapith or Saktipith. Bamakhepa acquired salvation here. Dwaraka river flows by its side.

Rampurhat: It is a railway station. The town accommodates district office, irrigation office and its bunglo. Round House built by Howton is here.

Nalhati: It is after the name of Nalateswari. It is said that it was the capital of Nal Rajas. It is one of the 51 piths. Here the elbow of Sati is said to have fallen. So it is named Nalhati. On the other back side of the temple there is the Kebla Anasahi Mazar Sarif. On the other side of the Tilla, the excavation has discovered the weapons of ancient, middle and stone ages. From the Tilla, one can see the place of war between Mirkashim and the British.

Bhadrapur: It is the birth place of Maharaj Nanda Kumar. By the side of the bus stand there is the temple of Kali which Nandakumar got by dream. Due to the protest against the dishonesty of Wren Hastrings Nandakumar was hanged and the temple remained incomplete. The ruins of the palace of Nandakumar are seen here.

Fullara: It is one of the secret places. Lips of Sati are said to have fallen here. There is no image in the temple of Fullara. Tortoise-like stone represents Devi. The folk writer Tarasankar Bandopadhyaya took birth here.

Nandi Keswari Temple: The temple is in Sainthia. It is one of the 51 piths. Bane of throat of Sati is said to have fallen here. Stone represents Devi. Enchakragram, the hiding place of Pandavas, is adjacent to the temple.

Bankura District

The district is renowned for handicrafts. Outside the municipal towns the places of importance of the district include: Chhatna, Indas, Indpur, Jaypur, Khatra, Kotulpur, Onda, Patrasayar, Roypur, Ranibandh and Sarenga.

Mukutmanipur: It develops on the Kumari and the Kossai rivers. The place is charming with beauty. There is temple of Parswanath Swami nearby and the Jain culture is prevalent in Ambikanagar near the place.

Jhilmil: The place is on the border of Bankura, Purulia, and Medinipur. Adivasi fair is attractive. Kossai river is quiet here and the forest is attractive.

Ranibandh: It is on the way to Jhilmil. From the hill here one can view the water reserve of Kossai. Adivasi people dwell on the hill area.

Bishnupur: It is the capital of ancient Malla Rajas. Terracotta and historical architectures are chief attractions of this town. A number of large tanks dug for the welfare of the people is of special attraction. Bishnupur Fair is another attraction of the town. There are Shyamroy's Temple, Radheshyam Temple, Sarbamangala Temple, Yogeshchandra Purakirti Bhawan, Museum, Radhalal Jew's Temple, Maharaj Birsingh's Palace. Baluchari and Tasssar silk cloth is another attraction of the town.

Susunia: It is an old hill 440 metres high. Gandheswari river flows by its side. Many historical relics of Chandrabarma are seen here.

Eco-park (Chenchuria): 25 km away from Bankura the park is made very recently. The park is developed on 85 hectares of land in the forest area.

Purulia District

The district with its laterite and rough soil accommodates STs like Santhals, Munda, Kheria, and Sabar and is renowned for handicrafts and Chhau dance. Outside the municipal towns important places include Manbazar, Santaldih, Adra, Balarampur, Bundwan, Hura, Kenda, Bagmundi and Joypur.

Purulia: It is a place of Tusu and Jhumur songs. In the middle of the town there is a jhill. One English Deputy Collector with the labour of prisoners dug this jhill. Now it has become a bird sanctuary. Besides, there are Science Bhawan, Nature Observance Centre, Adibasi Folk Song and Culture Centre, Subhas Garden etc.

Ayodhya Hill: It is a part of Dalma hills. It is the 2nd highest hill in West Bengal. There are waterfalls of Bamani river and beautiful lake nearby. Besides, the Hill takes the form of Eco-tourism.

Baghmundi: It is 16 km away from Ayodhya Hill. Here the Charida village is the place for making musks for Chhow Dance. There are small hill and tilla in this area.

Duarsini: Natural medicinal plant is available here. Satgurum river flows by the jungle of this area. On the other bank of the river is State Jharkhand. Santal, Munda, Kheria, Sabar and other tribal people live here.

Santaldihi: It is famous for thermal power station of India. It is a nice place.

Maldah District

The district has earned distinction in the tourist map of India. It is renowned not only for mango but also for an old town. Old Maldah was the port town of the ancient age. Outside the municipal town places of interest of the district include Kaliachak, Chanchal, Gazal, Goplaganj, Habipur, Harishchandrapur, Manikchak, and Ratua.

Maldah: From the view point of tourism Maldah is well known. Olandwaj, English and French East All India companies set up kuthis at Nimsarai which was then famous for silk. In 1680 the East All India Company purchased a small village for their silk trading. That village is English Bazar. In 1771 the English made a fort out of kuthi. In the museum of Maldah, the archeological matters of Gour and Pandua are preserved. Maldah is well known for Fajli Mango.

Gourh: It is the ancient capital of Bengal. In 1120 with the death of Rampal, Gourh came under Hindu king of Sen Dynasty. During Ballal Sen Gourh became famous all over the world. In 1202 during the reign of Lakshman Sen, Gourh came under Baktiar Khilji. In 1575, the Nababi reign began and the Hindu Raj came to an end. Like other ancient towns of Bengal, Gourh has lost many of its glory on account of plague, famine etc.

Pandua : It is situated on the bank of the Mahananda. Earlier it was called Pandu Nagar. It is said that it was the kingdom of Pandu king of the Mahabharat. Some relics of the Muslim period are also seen.

Murshidabad District

The district is historically important. Outside the municipal towns places of interest of the district include Domkal, Farakka, Kandi, Jalangi, Bhgawangola, Lalgola, Sagardighi and Suti.

Murshidabad: The ancient capital of Sube Bengle was Lalbag. Murshid Khan, by dint of his wit, being Dewan of Bengal, Bihar and Orissa during the reign of Aurangjeb managed to transfer the capital of Bengal from Ducca to Murshidabad. After Alibardi, Siraj ud Doula became the Nawab of Bengal, Bihar and Orissa. 53 km away from Murshidabad at Plassey, the last independent Nawab was defeated and Bengal came under the British Raj. The first capital of the British Raj in India was set up at Baharampur, 14 km away from Murshidabad.

Plassey: Renowned for the last historical war between Siraj ud Daula and the British, it is also rich with mango trees. It is now in Nadia district. Rani Bhabani planted mango trees here and that mango garden is now a memory.

Hazarduari: In Murshidabad, to the north side of Lalbag, the main attraction of ancient Nijamat Kella is Hazarduari. In 1837 this place was built at the cost of Rs 18 lakh. In 114 rooms there are 1000 gates. That is why it is called Hazarduary. It is a very good storehouse of historical records and books and booklets. From Murshidkuli Khan to the last Nawab of Bengal, all successions are preserved on oil painting. Besides, there is Koran Sarif written by Harun Alli Rashid. It is a golden cover book. Along with this there are Madina Masjid, Bara Imambara,Gharighar, Kuthibari of Seth, Motijhill etc.

Kasimbazar: Surrounded by the Padma, the Bhagirathi and the Jalangi, Kasimbazar is the ancient port town. Very near there is the palace of Maharaj Manindra Chandra Nandi. Job Charnak would work in this royal Kuthi . In 1756 Siraj conquered Kasimbazar. There are numbers of ancient temples.

Azimganj-Ziaganj: Azimganj is the ancient trade centre of Jain traders and Ziaganj is the trade town. Besides, there are temples.

Dakshin Dinajpur District

Located near Bangladesh it is the most renowned district of West Bengal. Outside the municipal towns places of interest of the district include Bangshihari, Hilli, Harirampur, Kumarganj, and Tapan Kushmandi

Balurghat: In undivided Bengal, Dinajpur of West Bengal was known as Paschim Dinajpur. It was later divided into Dakhin Dinajpur and Uttar Dinajpur. The district town of Dakhin Dinajpur is Balurghat. Ban was the son of Bali Raj, who reigined at Bangarh near Gangarampur town. Relics of ancient glory are found here. There is the epitome of Bakhtier Khilji.

Uttar Dinajpur District

The district is to the north of South Dinajpur. Outside the municipal towns places of interest of the district include Chopra, Chakulia, Goalpokhar, Hemtabad, Itahar, and Karandighi.

Kulik Bird Sanctuary: It is situated on the bank of Kulik river. In July-October, thousands of migratory birds come from South East Asia to make nests in the Royganj Jhill. Besides, there is Buddha Bihar of the 9^{th} century.

Darjeeling District

The district is renowned for eco-tourism. Outside the municipal towns places of interest of the district include Jaldhaka, Gorabathan, Jorbanglo, Naxalbari, Pradhannagar, Dukhiapokhri, and Phansideoa.

Siliguri: It is the gateway of North Bengal. It is renowned for tea, pine apple and orange. Honking market is the market for foreign goods. Mahananda Wild Life Sanctuary is attractive.

Darjeeling: It is one of the hill towns of India. Ice on Kanchanjangha is highly attractive. Darjeeling is named from Dorjeeling, it is said. In 1780, the Gorkhas from Nepal came to occupy Darjeeling. In 1828 two

English officers purchased Darjeeling for a few thousands rupees. In 1840, the British brought tea seeds from China for cultivation. Nepalese tourists introduced tea cultivation. There are sanctuaries, hill station etc.

Kalimpang: It was earlier under the reign of Sikim Raj. Then it came under Bhutan. In 1870 it came under the British and then under West Bengal. 4000 ft high Kalimpong town is attractive. Gouripur Bhawan is memorable as on 25th Baisakh of 1345 Bengali year Rabindranath himself recited Janmadin poem on Akasbani. There is Graham's Home established by Dr John Anderson. Natural beauty is the main attraction of the area.

Karshiang: Karshiang is from the Nepali Language Kharsang. It came under the British rule in 1835. Toy Train came into use here in 1880. Rabindranath, Subhas Chandra are memorable with the sanitorium here. Karshiang is famous as town of Arkid. Kanchanjangha is seen from Karshiang. There is forest museum as well as forest school at Downhill. Besides, there are Deer Park and Mini Amusement Park. Netaji Bhaban, Makaibari Tea Estate and Paglajhora waterfalls etc are special attractions of the place.

Mirik: Mirik hill station grew up in 1979. It is a small valley on Singhalila Hill. Plain land and natural lake are special attractions. Kanchanjangha is seen to be very charming from here. Foreign goods transaction is done here.

Sandakafu: It is unique to enjoy the hill beauty of the Everest from here. It is charming for natural beauty of rising and falling slopes of the place with twittering of birds. Besides, there are Singalila National Park, Kalpokhari Jetbari Rimbik and Meghma.

Falut: Situated in the Nepal boarder between West Bengal and Sikim Falut is renowned to enjoy the beauty of the Himalayas. Rhododendron, Silver, Far, Oke and other forest flowers make the area beautiful and charming. The scenery of the sun rise from Falut is very attractive.

Rishop: It is a new tourist place. It is the border place of three States, namely West Bengal, Sikim and Bhutan. Lepcha dominated village is Rishop. The colour of the sun changes here every month.

Lolegan: The blue sky and the forest-based green hill are the features of the place. A hanging bridge is seen with charm. There is scenic beauty of the setting sun. Near is Gumbadara, a place with the shade of Ok, Jhaw, and Pine.

Lava: It is a place on the way from Kalimpang to Damdim. An artistically developed Buddist Monastri and a market place are in Lava. A few kms away on the border of Sikkim and Bhutan there is the Rachela Pass which is 3152 metres high. There is Neora Valley National Park.

Mongpu: It is a place with memory of Rabindranath who wrote his Janmadin poem staying in the house of Maitrayee Devi. Sinkona is cultivated here. The bark of it is used for quinine. Kalijhora is very near Mongpu. Latpanchar is at short distance from Kalijhora which is an exquisite natural beauty.

Ghoom: It is the highest in India and second highest rail station in the world. Toy train from Siliguri comes to this Ghoom station. There are Buddha Monasteries and Starling Resort. Everest is seen from the restaurant of this resort.

Mal: It is a popular place for tourists. Kanchanjangha is seen from this place. Near it is Observatory Hill. Its attraction is Mahakal Cave or Siva Temple. And there is Natural History Museum.

Jalpaiguri District

It is one of the renowned districts of North Bengal and is famous for eco-tourism all over India. Outside the municipal towns places of interest of the district include Birpara, Falakata, Kupergram, Moynaguri, Joygaon.

Duarse: It is a place of tea, timber and tourism. There are small and large rivers. Tista, Jaldhaka, Roydhaka, Diana, Joyanti, Murti, Kalajali rivers flow through the Duarse. The Royal Road of Bhutan goes through the Duarse. Jaldapara, Garumara, Chapramari protected forests are there in the Duarse. The streets to Bhutan pass through the Duarse. The tribal people of Oraon, Munda, Rava, Toto etc live here. Besides, there is the Garh of king Nal at Mendabari of the British, which is covered with forest and is exquisite with scenic beauty.

Garumara: This is 5th National Park of West Bengal. The area of the Park is 79.45 sq.km, where there are Elephant, Byson, Sankar and different breeds of deer. Rare breeds of peacock can be seen here. There is Natural Beauty Interpretation Centre of the forest department. Murti and Roydok rivers flow through the place. Nearest there are Yatraprasad Watch Tower for observation of animals and Chukchuki Bird Centre. There is also Kalamati forest near the place.

Chalsa: It is located to the south of Garumara and is the junction of the Duarse and is on the Siliguri-Gouhati Road. Bindu near it is the last border village of India. Jhalang is the semi-town of the first hydel project at Jaldhaka in India which started in 1967. Bundu river comes from Bhutan and mixes Jaldhaka.

Murti : Hill, forest and river - these three united are called Murti. Elephant moves here under the shade of shal, sirish and shimul. Birds' twittering, the sun rise and the sun set of Murti are of special attraction.

Samsing: The village is on the border of Bhutan. It is famous for natural beauty. There is wilderness of Forest Camp. Quietness of forest and birds' twittering charm the tourists.

Lataguri: Lata means log of wood. In this jangle there are simul, moyna, and Arkid and odal which offer charming scenery. There are forest Bungalow and non-goverment resort.

Jaldapara Sanctuary: It is 114 sq. km area forest that was developed in 1941.There is Halang Tourist Lodge. The area of this forest has been increased by 100 sq. km. There are Interpretation Centre, museum and office of reserve forest. Trees like Shal, Sishu, Khayer along with animals like Elephant, Lepard, Dear are found here. Hansimara is near Jaldapara, a training centre of air personnels.

Baxa Hill / Rajabhat Khaoa: From Alipur Duar one can go to Baxa Hill and can see Boxa, Joyanti, Roydhak and Rajabhat Khaoa. It is said that the king of Kochbehar took oath not to take rice before driving away the king of Bhutan. At last the Bhutan king proposed for truce and then the Coochbehar king took rice here in the Jangle. Since then it is called Rojabhat Khaoa. It is under the Tiger Project. In 1684, the East India Company acquired Boxa fort according to Sinchula agreement and defeated the Bhutanese. In 1930, the British army made it a prison for the freedom fighters. In 1981 it got national importance. In 1959 it became the shelter for the Tibetan evacuees who came with Dalai Lama. Rabindranath wrote "Pratyaviman" poem for freedom fighters. In 1983 with only 15 tigers it was made Baxa Tiger Reserve Chilapara Forest which has been made national park located here. The Baxa Forest covers 304 sq km area. Bhutan Ghat and Joyanti are special attractions.

Coochbehar District

It is a flourishing district of North Bengal. Outside the municipal towns place of interest of the district is Sitalkuchi.

Coochbehar: It was included in India on 12th September 1949 and became a district of West Bengal. There are so many big ponds / tanks in the place. There is Sagardighi bill in the heart of the town. The migratory birds are seen on water. In the 18th century, when the Kochbehar Raj was attacked by the Bhutanese, the king took shelter of the East India Company. Since then it was the tributary kingdom (friend of the East All India Company). The royal place is an attraction. Following the St Peters of Rome. F. Barkely made the palace with Italian art. In 1986 it came under the architecture department of government of India. There is a museum. The Durgamandap of the king is on the bank of the Sagardighi; Modan Mohan Temple is behind the Sagardighi.

Nadia District

It is a flourishing district of West Bengal. It represents the combination of the old and the new. It has the old town of Krishnanagr and the new town of Kalyani mingling the old and the new. Outside the municipal towns places of importance include Hanskhali, Haringhata, Karimpur, Krishnaganj, Mayapur, Tehatta.

Krishnanagar : The district town was developed during the reign of Maharaj Krishna Chandra. The place is famous for clay pot and dolls. Roman Catholic Church is special attraction of Krishnagar. 27 oil paints of Jesus Christ with different attractions are there. The dwelling house (now demolished) of Dwijendralal Roy is near

Krishanagar railway station. The district Judge office is in the Nil Kuthi. There is the image of Nrishinghadev in Krishanagar.

Kalyani: It is the creation of Bidhan Chandra Roy, the former chief minister of West Bengal. Bidhan Chandra Krishi Viswavidyalaya, University of Kalyani, Central Park and Boul songs adorn the place.

Bethuadahari: It is one of the reserve forests of West Bengal. Here we find different kinds of deer like chital deer, horn deer. There are Teak Arjun, Sirish, babla, sishu, mehagoni and other trees in the forest There we have Natural Observation and a mini zoo.

Nabadwep: It emerges from the heart of Jalangi river. It is said that 4 islands on the east bank and 5 islands in the west bank of the Ganges formed Nabawip. People of Shaiba, Buddha, Shakta and Bainsab assemble here. In the Dol Purnima Sri Chaitanya took birth here. There are temples like Mahaprabhu Temple, the temple of Adwait Pravu, the birth place of Bishnupriya, the temple of Nityanda Pravu, Bara Akhra, Golden Gouranga Temple. In ancient days it was famous for the study of Sanskrit and Baishnab philosophy. It was the capital of Bengal during the 11^{th} and 12^{th} centuries. The special attraction of Nabadwaip is its Ras Festival.

Mayapur: Ancient Miyapur is now Mayapur, the place concerning Mahaprabhu Sree Chaitanyadev. The main attraction of Mayapur is Chandroday Temple by ISCON. There is the burial place of Prabhupad. Besides, there are Sri Chaitanya Math, Shyamkundu, Purni-pukur, Radhakundu, Gobardhan, Tamla Trees of Brindaban.

Santipur: It is said that the place concerns Shanta Muni. Sadhak Bijoykrishna Goswami took birth here in Adwait family. Gouranga, Nityananda and Adwaitacharya were united here in Sripat of Babla village. There are ancient temples and Mosque here. It is renowned for handloom cloth. Rash fair is special attraction of the place.

Fulia: It is the birth place of poet Krittibus. There are a library and Krittibus Information Centre. In the poet's birth place the Ramayan is depicted in oil pointing. The Tangail saree of Fulia is famous. Besides, there are the Sadhan Pith of Haridas Thakur and Temple.

Purba Medinipore District

It is a flourishing district. It is distinguished in freedom struggle and education. Outside the municipal towns places of importance include Bhagabanpur, Chandipur, Khejuri, Kolaghat, Mahisadal, Moyna, Nanadakumar, Ramnagar, Sutahata.

Digha: It is one of the tourist centres of West Bengal. It is the brain child of Bidhan Chandra Roy. In 1823, a path loser English discovered the Digha sea beach. Digha is now extending to new Digha. Hotel, Lodges and Digha Science Centre are developed. The sun rise and the sun set scenery is exquisite from this place. Digha terminates in Orissa to the west. There is Amarabati lake nearby. Here is largest Marine Acquarium of Asia. Conch shell products are available here. Chandaneswar temple is near the Digha beach

Sankarpur: It is 13 km away from Digha. It is a fish harbour.

Mandarmani: A new sea shore in between Digha and Contai, 8 km away from Chaulkhola, though not properly developed as tourist spot is highly attractive. It accommodates salt industry.

Junput: It is the sea shore adjacent to Digha. As a marine fish market and fish research centre, Junput is highly attractive. There are Tree House, children park, lake, bird sanctuary, playground etc. There are resorts.

Tamluk: It is the ancient capital of Bengal and the port town of the earlier days. In the Tamralipta Museum there are many materials of Pal and middle ages. Tamluk is famous for Martyr Matangini Hazra. Tamluk palace is today under the heritage schedule. The first Tamralipta government was formed here. Tamluk is a place of temple. Buddha King Lausen's kingdom Maynagarh is near Tamluk.

Hijli: Khejuri seashore is the Hijli of the ancient time with the adjacent area of Rasulpur and Ganga. To the south side there is Dariyapur and to the north side of it is Hijli. It is heard that in 1687 Job Charnak won the battle and planted the seed of English regime. The Ganga is wider in Hijli. On the other side of Hijli there is Sagardeep.

Kolaghat: It is on the bank of the river Rupanarayan. It is the border link of Howrah district and Purba Medinipur. Thermal Power Plant of this area is famous all over India.

Paschim Medinipur District

The district is flourishing. Outside the municipal towns places of importance include: Belda, Belpahari, Binpur, Chandrakona, Dantan, Debra, Gopiballavpur, Jambani, Keshpur, Lalgarh, Narayangarh, Nayagram, Sabong, Pingla, Salboni.

Jhargram: One of the health resorts Jhargram is well decorated with trees like Sal, Pial, Simul, Garul, Mahuya etc. Exquisite beauty of nature is enjoyed here with variety of features in different seasons. Jhargram Rajbari is located near the town. There are Chaturmukh Shib, Lokeswar Jesus, Mansa Debi Temple, Shabtri Debi Temple etc. There is deer park, 3 k.m. away from the town. Rajband or Kechendabandh is in Radhanagar; this big tank was dug by the king of Jhargram. Jangalmahal, a garden is near by. Garshalboni jungle is near the town. The Lodha tribals live here.

Chilkigarh: It accommodates the palace of Dhalbhum Raj by the side of the Dulung river. Dhalbhum king got associated with Chuarh Revolt, the first revolt against the British emperor. In the Garh jungle there is the termple of Kanakdurga, which is three hundred years old. Dulung river flows by the side of the temple .The border place of West Bengal, Gidhni is only 6 km away from this temple. There live tribes like Munda, Santal, Sabar in small villages and in mud-built houses.

Belphari: It is 45 km away from Jhargram. Tribal people dominate the tilla area of Belpahari. Tarapheni Barrage is not very far from Belpahari. Tusu fair in Makarsankranti is special attraction of the place. During this fair people from Bihar and Orissa come here crossing hills and dales and jungle.

Kankrajhore: Kankra locally means hill and jhore means Jungle. So the area is characterized by hills (dales) and forests. Tribals dwell here. People of this area mostly live on plucking and selling of kendu leaves. Elephants from Dalma hill come here frequently. Bhairabi river flows through the forest of Kankrajhore. Makuli Girikhat is near the place. There are tourist lodges and forest bungalows.

Midnapore: It is the district headquarter town of Paschim Medinipur. Gope-Garh, Gope College, Vidyasagar University, Baptist Church, Gope Garh Eco-Tourism Centre are chief attractions of Midnapore.

Chapter 12

SUMMARY AND CONCLUSIONS

12.1 Summary

West Bengal is a relatively small state in terms of area though having all the prominent geographical features except a desert. The state ranks fourth among the states of India in population. In terms of SC population and SC and ST population combined the state ranks second among the states. The state ranks first in rice and fish production and in distribution of surplus land among the weaker sections of the society. In terms of economic enterprises and employment therein and in manufacturing employment the state occupies positions among the top performing states of the country. Productivity in the manufacturing sector is relatively low and infrastructural facilities in the state are deficient. Annual growth rate in agriculture, manufacturing, state domestic product and per capita income in the state is high compared to those in many states of India. Urban rural and gender disparity, though declining in the state in recent years, is still substantial and problems of poverty and unemployment are glaring. As in the whole of India, inequality is rising in the state.

Districts of West Bengal reveal some prominent features. First, North 24-Parganas district ranks first in terms of geographical area followed by Paschim Medinipur district among the districts of the state of West Bengal and South 24-Parganas district ranks first followed by Murshidabad and Paschim Medinipur in terms of rural population. Second, most of the districts are rich in a variety of environmental resources like forest and human resources including literate and highly educated persons. Third, there are considerable variations across different agro-climatic regions like drought prone, flood prone and water-logged regions of the state and also across sexes and castes. Literacy rate is substantially low in the drought prone region of five districts, namely Paschim Medinipur, Bankura, Purulia, Birbhum and Burdwan and for females, scheduled castes and scheduled tribes. Occupational structure is considerably diversified in the relatively developed districts, while the arid region is low diversified in occupation and percentage of non-agricultural workers is relatively low. The level of urbanization of the state as a whole is low, and that is particularly so for the drought prone districts. Fourth, there is high agricultural productivity differential across 18 districts of the state, the differential being high across drought prone districts of the western part of the state and highly irrigated blocks of its eastern part. Low productivity of agriculture has considerable relevance for high level of poverty among households in the drought prone region, particularly among the SCs and STs. Fifth, the districts are characterized by large number of inhabited villages, pockets / agglomeration of highly prosperous and developed villages in the eastern part of the state, there are also villages of distress in the western part. 4195 villages have been identified by the Government of West Bengal as the backward villages that belong mostly to the western part of the state and enlist special attention for development.

Most of the the districts are relatively backward in respect of development of infrastructures. Road length per square km. of geographical area, particularly of BT type, is considerably low for the districts, particularly in the relatively backward districts. Percentage of villages electrified is increasing at a relatively low pace. Own revenue mobilization of panchayats is increasing significantly but remains low and rate of utilization of funds is also not high. There is significant correlation between literacy rate and proportion of non-agricultural workers, rural poverty and agricultural productivity across the districts.

12.2 Conclusions

The following conclusions emerge from the discussion made so far in different chapters.

1. Since the districts have a variety of remarkable features, to develop them properly and substantially and meaningfully, different issues need to be addressed locally and hence decentralized planning is of great relevance and that ought to be strengthened.

2. Since rural poverty is pervasive, intense and endemic, particularly among the backward castes and across the drought prone region, it should be addressed through expansion of non-agricultural enterprises since poverty and non-agricultural employment are negatively and significantly correlated.

3. Agricultural productivity is very low in the drought prone region which has good potential of growth of irrigation, which ought to be substantially developed. Whatever water resources are available in the region and other regions needs to be harnessed and adequately developed.

4. Horticulture expansion is appropriate to the soil of the drought districts in vast regions and particular emphasis needs to be made on it.

5. There is immense potential for development of the livestock sector. Both demand and supply side factors are encouraging. The per capita per day availability of milk in the state is 122 gm of milk and 35 number of eggs. There exists huge amount of uncultivated barren land suitable for livestock keeping and also for fodder cultivation. Thousands of SHGs can be involved in livestock development. What is required is to provide some critical infrastructural inputs in the form of output linked input marketing system, removal of banker's apathy towards financing the livestock schemes, door-step health-immunization, veterinary cares and insurance services, storing, speedy transportation facilities and the like.

6. Social disparity, particularly in respect of literacy across sexes and castes needs to be removed and hence special initiative and drive ought to be made.

7. Social exclusion in respect of employment and income generation is also high, which needs to be tackled.

8. While few pockets of prosperity needs to be further improved, areas/ villages of distress need to be intensively developed and taken care of.

9. Districts in the drought prone region like Paschim Medinipur district, Bankura and Purulia have immense potential of industrialization. The districts have abundance of power availability, skilled and unskilled labour at comparatively low wages, a business environment matured and conductive for development. In addition, there are institutions of repute like Indian Institute of Technology at Kharagpur and Vidyasagar University and some colleges of high standard. With vast area, particularly in the drought prone region, the districts have got high potential of industrialization and non-agricultural employment expansion and for this to realize infrastructural development being a key factor needs to developed appreciably.

10. Tourism is one of the booming sectors in the process of economic and social development. It creates a host of multifarious downstream activities which have the capacity to substantially involve a large number of people. Apart from generation of income being a labour intensive sector, tourism generates employment, mostly self employment and promotes the overall development of tourist destination. It is well established that tourism as an industry can create jobs due to its linkages with hospitality, food, transport and communication services. The districts of West Bengal have a number of areas which can be developed as attractive tourist centers by Forest Departmens/Panchayat Samities from the fund under Rashtriya Sam Vikas Yojana, Untied fund and others .Tourism as an industry has high potential of development, which needs to be realized and improved in a planned way, with seriousness and alacrity.

11. With substantial funds remaining utilized with local bodies including panchayats, not only plan formulation but also plan implementation needs to be seriously improved so that benefits of such decentralized development percolate to the target groups efficiently and effectively.

12. Not only in project formulation but also in project implementation and evaluation of impact people who comprise the target group need to be seriously involved.

13. An important feature to note is that as we move down along the layers of the administrative set up from the country level to the state and further to the district level and below the availability of necessary data diminishes from the secondary sources, which needs to be remedied through maintaining and codifying whatever data are generated at the decentralized levels of administration, i.e. panchayats and municipalities, and publishing them regularly in the interest of scientific planning and development at the decentralized levels and whatever data are published needs to be updated.

14. Higher educational institutions, particularly colleges and universities needs to be involved in planning, data collection and generation, which needs to be transferred to sub-divisional level data processing and publication centre.

15. The municipalities or the other urban areas have hardly land use plan. There is haphazard growth in these towns. It is high time that the District Planning Committee (DPC) adopts an integrated Urban Development policy. All the Urban bodies in the district have to prepare their own development plan and submit it to the DPC

for their integration with the District plan. Emphasis needs be given on widening of roads, construction of concrete drainage system, solid waste disposal and management. Special attention needs to be given to the unplanned growth of shopping clusters (especially by encroaching the roads), lodges and hotels, pathogical laboratories, medical clinics and nursing homes. All these are producing huge wastes, specially the medical solid wastes, which are polluting the environment of these small towns. Notified slum areas compared to the non-notified areas are small. This is creating problems in bringing the funds for slum development.

16. There is a very strong case for giving panchayats and municipal bodies greater administrative and functional control over many of the local social sector delivery institutions, such as in health and education.

17. Urban-rural income disparities need to be addressed; in particular, the growing gap between the metropolitan area of Kolkata and the rest of the state is a cause for concern. In addition to reducing rural-urban gaps, there is need to develop other urban centres in the state to make for more balanced urbanisation.

18. In terms of poverty alleviation, the single most affected group is that of rural wage labour households, whose needs need to be specially considered.

19. The state government could consider new and imaginative ways of encouraging co-operatives in production and marketing in both agriculture and non-agricultural activities, especially in rural areas.

20. Employment generation has to be a critical focus of future policy. The change in the pattern of job creation towards more casual, marginal, part-time and insecure contracts or self-employment is a major source of concern. Improvement in this area will require diversification away from those sectors which are exhibiting low employment elasticity, or changing the pattern of growth in these sectors.

21. There is distinct inadequacy of drinking water supply in some districts, where at least 15 per cent of the population is not covered. The worst affected districts in this regard are South 24-Paraganas, Howrah, and Nadia; while Medinipur, Coochbehar and North 24-Parganas also require attention.

22. Kolkata and Howrah show very high levels of urban atmospheric pollution, due to the location of industries and vehicular pollution, creating health problems for the residents.

23. The specific problems of certain regions (North Bengal, Sunderbans and Paschimanchal) highlight several policy areas relevant for improving human development - the role of infrastructure in redressing development imbalances, the importance of institutions in a range of areas such as banking, marketing, research, education, health and industrial development and the simultaneous significance of both decentralization and coordination in the planning process. The problem of ensuring sustainable development with social cohesion is especially marked in these regions.

6.3 Limitations of the Work

The work is based on secondary data. The huge inventory of data could not be properly analysed, which could have thrown adequate light on the issues facing the society and economy. Moreover, up-to-date data in some cases could not be incorporated in this volume.

6.4 Directions for Future Work

What is essential is that the present volume of database needs to be up-dated at regular intervals and the database preparation needs to be institutionalized. Besides, whatever data are generated at the decentralized levels of development needs to be scrutinized so that the data reflect the reality and forms the basis of scientific planning and realistic development.

Appendix

Table A 1 Value of Human Development Index (HDI) in States of India, 1981 to 2001

State	1981	Rank	1991	Rank	2001	Rank
Andhra Pradesh	0.298	8	0.377	9	0.416	10
Assam	0.272	9	0.348	10	0.386	14
Bihar	0.237	14	0.308	15	0.367	15
Gujarat	0.360	4	0.431	6	0.479	6
Haryana	0.360	4	0.443	5	0.509	5
Karnataka	0.346	5	0.412	7	0.478	7
Kerala	0.500	1	0.591	1	0.638	1
Madhya Pradesh	0.245	13	0.328	13	0.394	12
Maharashtra	0.363	3	0.452	4	0.523	4
Orissa	0.267	10	0.345	12	0.404	11
Punjab	0.411	2	0.475	2	0.537	2
Rajasthan	0.256	11	0.347	11	0.424	9
Tamil Nadu	0.343	6	0.466	3	0.531	3
Uttar Pradesh	0.255	12	0.314	14	0.388	13
West Bengal	0.305	7	0.404	8	0.472	8
All India.	0.302	-	0.302	-	0.472	-

Source: Human Development Report 2001, Planning Commission

Table A 2 Per Capita Production and Yiled of Foodgrains in West Bengal vis-à-vis Other Major States of India

State/Country	Production (lakh tones)			Per capita Production (kg)				Yield (kg/ha)			
	1981-84	1990-93	2003-04	Baesd on 1991 population		Based on 2001 population		1981-84	1990-93	1995-96	2000-2001
				1990-93	Rank	2003-04	Rank				
West Bengal	71.9	121.7	160.1	178.77	8	199.68	6	1214	1909	1960	2217
Andhra Pradesh	114.9	119	137.0	178.93	7	179.73	8	1266	1608	1692	2089
Assam	26.3	34.2	40.4	152.58	10	151.41	9	1035	1252	1306	1443
Bihar	84.8	106.6	112.2	123.42	12	135.15	10	931	1191	1584	1662
Gujarat	50.8	45.5	65.7	110.14	13	129.69	11	1057	1062	1094	1169
Haryana	65.3	96.4	132.2	585.52	2	625.40	2	1591	2487	2530	3088
Karnataka	68.6	76.1	66.4	169.20	9	125.62	12	916	1058	1261	1406
Kerala	13.1	11	6.4	37.80	14	19.98	15	1597	1903	1943	2056
Madhya Pradesh	136.2	168	158.7	253.85	4	263.01	5	756	967	1039	907
Maharashtra	102.4	115.3	109.3	146.07	11	112.82	13	725	837	877	757
Orissa	56.4	70.4	72.3	222.36	6	196.31	7	852	1071	1201	950
Punjab	140.8	196.3	247.3	967.85	1	1015.21	1	2780	3461	3471	4034
Rajasthan	85.2	101.3	179.9	230.20	5	318.30	3	655	826	804	884
Tamil Nadu	61.4	80.1	44.6	26.36	15	71.46	14	1388	2028	1918	2262
Uttar Pradesh	266.5	358.1	442.5	257.42	3	266.23	4	1314	1767	1895	2102
All India	-	-	2134.6	-	-	207.50	-	-	-	1491	1636

Source: Government of West Bengal

Table A 3 Per Capita Foodgrains Production in Districts of West Bengal, 1991 &2001

District	Foodgrains ('000 tonnes) 1990-01	Population 1991	Per capita foodgrains 1990-91 (kg.)	Rank	Foodgrains ('000 tonnes) 2000-01	Population 2001	Per capita foodgrains 2000-01 (kg.)	Rank
Coochbehar	432.4	2171145	199	8	574.6	2479155	232	7
Jalpaiguri	275.2	2800543	98	12	441.5	3401173	130	13
Darjeeling	121.1	1299919	93	13	114.6	1609172	71	17
Uttar Dinajpur	846.8	1926729	440	1	721.1	2441794	295	4
Dakshin Dinajpur.	-	1200924	-	-	495.0	1503178	329	1
Maldah	633.2	2637032	240	4	688.7	3290468	209	9
Murshidabad	995.0	4740149	210	7	979.8	5866569	167	12
Nadia	860.1	3852097	223	6	843.5	4604827	183	11
North 24-Parganas	674.2	7281881	93	13	685.2	8934286	77	16
South 24-Parganas	513.9	5715030	90	14	879.5	6906689	127	14
Howrah	234.9	3729644	63	15	226.7	4273099	53	18
Hooghly	612.7	4355230	141	11	508.4	5041976	101	15
Purba Medinipur	1558.7	8331912	187	9	1253.3	4417377	284	5
Paschim Medinipur	-	-	-	-	1385.4	5193411	267	6
Bankura	866.6	2805065	309	3	1016.7	3192695	318	2
Purulia	403.7	2224577	181	10	516.2	2536516	204	10
Burdwan	1427.5	6050605	236	5	1592.9	6895514	231	8
Birbhum	844.1	2555664	330	2	892.1	3015422	296	3
West Bengal	11270.1	68077965	166	-	13815.2	80176197	172	-

Sources: (i) Census of India 1991 &2001, (ii) Directorate of Agriculture, Government of West Bengal

Table A 4 Estimated Domestic and Foreign Tourist Arrivals in West Bengal vis-à-vis Other Major States of India, 2004 to 2006

State/Country	2004		2005		2006	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
West Bengal	12380389	775694	13566911	895639	15808371	998029
Andhra Pradesh#	89440272	501019	93529554	560024	111715376	669617
Arunachal Pradesh	39767	321	50560	319	80137	607
Assam	2288093	7285	2467652	10782	2768824	10374
Bihar	8097456	38118	8687220	63321	7774732	84942
Goa	2085729	363230	1965343	336803	2098654	380414
Gujarat	7748371	21179	9457486	55758	11936957	92182
Haryana	5399099	66153	5913394	59353	6019927	67854
Himachal Pradesh	6345069	204344	6936840	207790	7671902	281569
Jammu & Kashmir	6881473	40242	7239481	44345	7646274	46087
Karnataka	27194178	530225	30470316	545225	36195907	505524
Kerala	5972182	345546	5946423	346499	6271724	428534

Table A 4(continued)

State/Country	2004		2005		2006	
	Domestic	Foreign	Domestic	Foreign	Domestic	Foreign
Madhya Pradesh	8619486	145335	7090952	160832	11062640	186587
Maharashtra	13392212	1218382	14329667	1449875	16880348	1712302
Manipur	93476	249	94299	316	116984	295
Meghalaya	433495	12407	375901	5099	401529	4287
Mizoram	38598	326	44715	273	50987	436
Nagaland	10056	1084	17470	883	15850	426
Orissa	4125536	28817	4632976	33310	5239896	39141
Punjab	361568	7312	431036	4353	353907	193933
Rajasthan	16033896	971772	18787298	1131164	23483287	1220164
Sikkim	230719	14646	251744	16523	292486	18026
Tamil Nadu	42279838	1058012	43213128	1179316	58340008	1319501
Tripura	260907	3171	216330	2677	230645	3245
Uttar Pradesh	88371247	1037243	95440947	1174597	105549478	1328974
All India	366267522	8360278	391948589	9949676	461762847	11748226

Source: Regional Tourist Office, Kolkata, Government of India

Table A 5 Districtwise Important Tourist Spots with Distance from Kolkata and Number of Beds in Lodges Maintained by different Govt. Departments (as on 30.9.2007)

Districtwise important tourist spots	Route	Distance from Kolkata (km)	No. of beds in govt. lodges	Districtwise important tourist spots	Route	Distance from Kolkata (km)	No. of beds in govt. lodges
South 24 Parganas				Purulia			
Bakkhali	via Namkhana	131	51	Purulia	via Bishnupur	297	42
Frasergang	via Namkhana	129	40	Ajodhya Hills	via Purulia & Sirkabad	353	
Gangasagar	via Namkhana	140		Duarsini	via Purulia & Dubrajpur	288	6
Diamond Harbour	via Amtala	48	104	Garpaechkot	via Purulia & Asansol	252	37
Sajnekhali	via Basanti	130	73	Murshidabad			
North 24 Parganas				Lalbag	via Krishnanagar	222	62
Permadan	Via Bongaon	100		Berhampore	via Krishnanagar	211	78
Udayachal (Bidhannagar)		15	91	Malda			
Malancha (Barrackpur)		20	16	Malda	via Berhampore	349	73
Kolkata (Moulali Yuba Kendra)			72	Jalpaiguri			
	Midnapore			Jalpaiguri	via Siliguri	650	
Digha	Via Norghat	183	195	Murti Banani	via Siliguri	724	32
Sankarpur	Via Norghat	180	20	Barodabry Malbazar	via Siliguri	630	62

Table A 5(continued)

Districtwise important tourist spots	Route	Distance from Kolkata (km)	No. of beds in govt. lodges	Districtwise important tourist spots	Route	Distance from Kolkata (km)	No. of beds in govt. lodges
	Midnapore				Jalpaiguri		
Jhargram	Kharagpur	181		Aranyak Madarihat (Jaldapara)	via Siliguri	707	69
Nayachar	via Haldia Island	135	22	Holong	via Siliguri	702	
Kankrajhore	Via Jhargram	225		Jaldhaka (Jhalong)	via Siliguri	754	4
Ranishiramani Paryatak Abas		138	24	Garubathan	via Siliguri	717	8
Hatibari	Via Jhargram	216		Paren	via Siliguri Jaldhaka		8
	Howrah				Darjeeling		
Gadiara	via Bagnan or Nurpur	100	68	Siliguri	via Berhampore	585	79
Howrah		5	24	Darjeeling	via Siliguri	665	158
	Hooghly			Kalimpong	via Siliguri	654	130
Tarakeswar	via Sheoraphuli	68	31	Mirik	via Siliguri	624	40
Bankura				Kurseong	via Siliguri	633	32
Bankura	via Bishnupur	187	38	Sandakphu	via Siliguri	708	120
Mukutmonipur	Via Kolaghat	226	69	Phulut	via Siliguri	731	40
Bishnupur	via Arambagh	152	58	Lava	via Siliguri	688	64
Susunia	Via Bankura			Lulegaon	via Siliguri	700	76
	Burdwan			Mongpoo	via Siliguri	634	8
Durgapur	Via Burdwan	182	54	Lepchajagat	via Siliguri	727	14
Maithon	Via Burdwan	242	18	Suntale Khola	via Siliguri	736	20
Churulia	via Asansol	228		Samsing	via Siliguri	732	16
	Birbhum			Rangpoo	via Siliguri	740	4
Bolpur (Shantiniketan)	Via Burdwan	121	128	Rashik Bill	via Coochbehar	863	20
Bakreswar	via Dubrajpur	229	72	Buxar Jungle Lodge			30
Massanjore			26	Sangalila Range			
	Uttar Dinajpur				Coochbehar		
Raiganj	via Maldah	425	34	Coochbehar	via Siliguri	720	20

Source: Government of West Bengal

Table A 6 Number of Schools (General Education) in Districts of West Bengal, 2004-05 to 2006-07

District	2004-2005			2005-2006			2006-2007		
	Primary	Junior High	High and Higher Secondary	Primary	Junior High	High and Higher Secondary	Primary	Junior High	High and Higher Secondary
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Bankura	3465	117	338	3462	45	411	3462	46	419
Birbhum	2373	74	327	2373	49	352	2373	50	359
Burdwan	3974	102	762	3974	74	790	3974	75	797
Kolkata	1445	67	638	1445	60	638	1445	60	644
CoochBehar	1825	71	207	1800	51	227	1800	51	236
Darjeeling	1174	80	125	1174	60	145	1174	60	153
Dakshin Dinajpur	1182	17	144	1182	6	155	1182	7	161
Uttar Dinajpur	1453	73	119	1453	41	151	1453	42	156
Howrah	2216	75	472	2129	48	500	2129	49	511
Hooghly	3019	102	546	2965	59	589	2965	59	595
Jalpaiguri	2049	67	234	2032	36	265	2032	36	275
Malda	1901	63	260	1886	39	284	1886	40	293
Midnapore East	3275	191	475	3219	126	540	3219	127	549
Midnapore West	4687	214	530	4687	116	628	4687	117	635
Mushidabad	3166	109	389	3166	61	439	3166	62	449
Nadia	2644	97	358	2644	64	391	2644	65	404
24 Pgs. (N)	3905	129	833	3758	95	866	3758	96	882
24 Pgs. (S)	3670	188	582	3670	113	658	3670	114	666
Purulia	2974	92	242	2967	72	262	2967	73	270
Total	50397	1928	7581	49986	1215	8291	49986	1229	8454

Note : Excluding unaided recognised High and Higher Secondary and Senior Madrasah Schools and Sishu Siksha Kendras and Madhyamik Siksha Kendras.

Source: Directorate of School Education. Govt. of West Bengal

Table A7 Number of Students (General Education) in Districts of West Bengal, 2004-05 ('00)

District	Class I to V			Class to VI to VIII			Class IX to X			Class XI to XII		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Bankura	2043	1860	3903	827	618	1445	377	243	620	186	88	273
Birbhum	2224	1719	3942	713	530	1243	331	223	554	135	74	209
Burdwan	3582	3449	7031	1486	1345	2831	597	445	1042	348	191	538
Kolkata	2754	2344	5098	1324	1170	2493	708	631	1339	920	693	1613
Cooch Behar	2134	2178	4311	712	672	1384	281	225	506	127	76	203
Darjeeling	1256	1206	2462	460	372	832	212	161	373	107	69	176
Dakshin Dinajpur	1048	1025	2074	342	297	640	136	100	237	59	32	92
Uttar Dinajpur	1808	1707	3515	504	438	942	173	144	317	65	45	111
Howrah	2017	2016	4033	938	1050	1988	420	300	720	201	136	337
Hooghly	2507	2458	4964	1314	1195	2510	538	488	1026	299	205	504
Jalpaiguri	2348	2287	4635	836	785	1621	308	271	580	124	74	198
Malda	2503	2454	4956	684	544	1229	255	190	445	100	61	161
Midnapore (East)	2639	2558	5197	1198	964	2162	543	383	926	272	191	463
Midnapore (West)	2832	2708	5540	1317	1189	2506	584	466	1050	277	166	443
Mushidabad	5128	5029	1016	1308	1006	2313	533	224	758	210	92	302
Nadia	2939	2867	5806	1308	1248	2556	543	510	1053	241	126	367
24 Pgs. (N)	3755	3654	7408	2102	1667	3769	931	781	1712	362	290	653
24 Pgs. (S)	5321	5120	1044	1480	1327	2806	590	466	1056	326	202	528
Purulia	1818	1521	3339	602	349	951	279	125	405	103	37	139
Total	50654	4816	9882	19455	16766	36220	8342	6377	14719	4463	2848	7311

Note : Excluding unaided recognised High and Higher Secondary and Senior Madrasah Schools and Sishu Siksha Kendras and Madhyamik Siksha Kendras.

Source: Directorate of School Education. Govt. of West Bengal

Table A 8 Number of Students (General Education) in Districts of West Bengal, 2005-06 (00)

District	Class I to V			Class to VI to VIII			Class IX to X			Class XI to XII		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Bankura	2015	1867	3882	892	634	1526	403	277	680	201	95	296
Birbhum	1963	1871	3834	889	526	1417	384	165	549	181	45	2256
Burdwan	3689	3287	6976	1656	1268	2925	606	440	1046	359	202	561
Kolkata	2754	2374	5129	1354	1174	2528	719	630	1349	930	704	1634
Cooch Behar	1764	1724	3488	727	689	1416	28689	231	517	130	78	208
Darjeeling	1122	1101	2223	447	365	812	226	155	381	112	65	177
Dakshin Dinajpur	1165	1101	2266	350	303	653	139	102	241	61	33	94
Uttar Dinajpur	1824	1707	3531	473	398	871	183	157	340	75	55	131
Howrah	1998	2002	400	1028	988	2016	480	259	738	261	106	367
Hooghly	2440	2340	4780	1154	1097	2251	687	599	1286	631	430	1061
Jalpaiguri	2193	2145	4337	826	781	1607	337	311	648	148	98	246
Malda	2386	2311	4698	668	529	1197	250	184	434	98	60	158
Midnapore (East)	2435	2349	4783	1271	1015	2286	639	462	1101	285	200	485
Midnapore (West)	2777	2663	5440	1317	1189	2506	584	466	1050	277	166	443
Mushidabad	4051	4020	8071	1277	816	2093	771	494	1264	639	408	1046
Nadia	2769	2671	5440	1231	118	2419	622	598	1220	284	201	485
24 Pgs. (N)	4044	3131	7175	2099	1782	3881	887	751	1638	574	488	1062
24 Pgs. (S)	4009	4038	8047	1494	1340	2834	594	469	1063	328	203	532
Purulia	1881	1519	3400	624	379	1003	297	147	444	105	40	145
Total	47281	44220	91501	19778	16464	36242	9094	6898	15992	5679	3677	9356

Note : Excluding unaided recognised High and Higher Secondary and Senior Madrasah Schools and Sishu Siksha Kendras and Madhyamik Siksha Kendras.

Source: Directorate of School Education. Govt. of West Bengal

Table A 9 Number of Students (General Education) in Districts of West Bengal, 2006-07 (00)

District	Class I to V			Class to VI to VIII			Class IX to X			Class XI to XII		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Bankura	1987	1860	3847	868	686	1554	413	278	691	201	96	297
Birbhum	1940	1841	3781	802	697	1499	305	231	536	163	83	250
Burdwan	3508	3373	6881	1592	1484	3076	862	662	1524	373	215	588
Kolkata	1181	1231	2412	661	681	1342	564	397	962	482	355	837
Cooch Behar	1694	1651	3345	728	710	1437	307	253	559	206	203	409
Darjeeling	794	811	1605	334	327	661	189	159	348	110	65	1175
Dakshin Dinajpur	984	963	1947	407	395	802	171	125	296	72	57	129
Uttar Dinajpur	1799	1731	3530	496	446	942	187	151	338	129	91	220
Howrah	2011	2042	4053	874	1005	1879	455	488	943	225	193	418
Hooghly	2465	2421	4887	1019	1116	2135	688	670	1357	531	430	961
Jalpaiguri	2132	2087	4219	845	833	1677	305	279	584	154	108	262
Malda	2449	2527	4976	742	724	1466	253	186	438	99	60	160
Midnapore (East)	2339	231	4646	1221	1209	2431	486	454	941	249	150	399
Midnapore (West)	2742	2649	5391	1359	1239	2598	566	496	1062	300	185	486
Mushidabad	4021	4001	8022	1436	1508	2945	788	503	1292	651	416	1067
Nadia	2848	2784	5631	1238	1242	2480	520	489	1009	210	171	381
24 Pgs. (N)	3983	3967	7950	2587	2637	5224	997	781	1778	639	527	1166
24 Pgs. (S)	3962	4048	8009	1570	1648	3218	776	241	1017	390	96	486
Purulia	1781	1707	3489	633	447	1080	305	156	461	114	62	176
Total	44620	44001	88621	19413	19034	38445	9136	7000	16136	5303	3565	8868

Note : Excluding unaided recognised High and Higher Secondary and Senior Madrasah Schools and Sishu Siksha Kendras and Madhyamik Siksha.

Source: Directorate of School Education. Govt. of West Bengal

Table A 10 Number of Teachers (General Education) in Districts of West Bengal, 2004-05

District	Primary			Junior High			High			Higher Secondary		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Bankura	7880	1665	9545	546	173	719	1822	444	2266	2515	490	3005
Birbhum	6791	1399	8190	337	38	375	2034	245	2279	1647	487	2134
Burdwan	10457	3337	13794	407	135	542	4807	1696	6503	3031	1012	4043
Kolkata	2988	2352	5340	325	147	472	2323	1846	4169	3483	2732	6215
Cooch Behar	5515	1162	6677	388	80	468	1105	371	1476	1338	456	1794
Darjeeling	2116	1327	3443	357	115	472	469	314	783	818	577	1395
Dakshin Dinajpur	3227	823	4050	90	23	113	974	251	1225	737	201	938
Uttar Dinajpur	3630	974	4604	263	83	346	611	134	745	1075	258	1333
Howrah	5335	2889	8224	306	154	460	1759	1385	3144	2042	1665	3707
Hooghly	4601	2565	7166	342	166	508	3355	1406	4761	2932	1259	4191
Jalpaiguri	4624	2032	6656	226	125	351	1284	578	1862	1238	641	1879
Malda	5041	1039	6080	273	47	320	1785	287	2072	1121	369	1490
Midnapore (East)	6602	2237	8839	843	327	1170	2375	1217	3592	3002	887	3889
Midnapore (West)	9269	2164	11433	934	289	1223	3410	870	4280	3844	977	4821
Mushidabad	7585	2221	9806	449	79	528	2576	894	3470	2222	483	2705
Nadia	5046	2285	7331	492	175	667	2919	503	3422	2648	412	3060
24 Pgs. (N)	7041	4356	11397	518	216	734	4277	2787	7064	5323	3742	9065
24 Pgs. (S)	7345	5339	12684	857	284	1141	2707	1208	3915	3158	1085	4243
Purulia	5003	1403	6406	446	108	554	1275	405	1680	1681	207	1888
Total	110096	41569	151665	8399	2764	11163	41867	16841	58708	43855	17940	61795

Note : Excluding unaided recognised High and Higher Secondary and Senior Madrasah Schools and Sishu Siksha Kendras and Madhyamik Siksha Kendras.

Source: Directorate of School Education. Govt. of West Bengal

Table A 11 Number of Teachers (General Education) in Districts of West Bengal, 2005-06

District	Primary			Junior High			High			Higher Secondary		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Bankura	7609	1685	9294	533	156	689	1994	489	2483	2585	538	3123
Birbhum	6509	1385	7894	397	70	467	2065	416	2481	1781	381	2162
Burdwan	11457	3337	14794	407	135	542	8960	1733	10693	3044	1010	4054
Kolkata	2988	2548	5536	325	147	472	2520	1906	4426	3509	2749	6258
Cooch Behar	4823	1130	5953	388	80	468	1105	371	1476	1338	456	1794
Darjeeling	2116	1327	3443	357	115	472	469	314	783	818	577	1394
Dakshin Dinajpur	3129	815	3944	111	26	137	1193	316	1509	907	250	1157
Uttar Dinajpur	3720	1034	4754	286	97	383	629	155	784	1165	299	1464
Howrah	5293	2977	8270	150	85	235	2016	1584	3600	2094	1709	3803
Hooghly	7070	2698	9768	382	115	497	3358	1406	4764	2938	1259	4197
Jalpaiguri	4019	3048	7067	225	144	369	1108	858	1966	1151	677	1828
Malda	5372	1079	6451	273	47	320	1785	287	2072	1121	369	1490
Midnapore (East)	6778	2829	9607	780	316	1096	2459	1244	3703	3069	920	3989
Midnapore (West)	9269	2164	11433	934	289	1223	3410	870	4280	3844	977	4821
Mushidabad	4225	1852	6077	547	100	647	2738	376	3114	2243	450	2693
Nadia	5661	2514	8175	543	191	734	2650	444	3094	2910	453	3363
24 Pgs. (N)	7827	4215	12042	352	284	636	5057	4309	9366	5422	4668	10090
24 Pgs. (S)	6726	2174	8900	804	268	1072	2622	1073	3695	3397	1287	4684
Purulia	4652	1710	6362	343	93	436	1330	437	1767	1718	279	1997
Total	109243	40621	149764	8137	2758	10895	47468	18588	60056	45054	19308	64362

Note : Excluding unaided recognised High and Higher Secondary and Senior Madrasah Schools and Sishu Siksha Kendras and Madhyamik Siksha Kendras.

Source: Directorate of School Education. Govt. of West Bengal

Table A 12 Number of Teachers (General Education) in Districts of West Bengal, 2006-07

District	Primary			Junior High			High			Higher Secondary		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Bankura	7605	1682	9287	513	138	651	2001	494	2495	2597	540	3137
Birbhum	6537	1382	7919	333	41	374	2255	205	2460	1587	453	2040
Burdwan	10212	3118	13330	287	135	422	8513	1037	9550	1526	998	2524
Kolkata	2749	2702	5451	245	124	369	3694	2340	6034	3828	3145	6973
Cooch Behar	5016	1299	6315	350	58	408	908	339	1247	1340	447	1787
Darjeeling	2001	1255	3256	267	77	344	493	318	811	899	624	1523
Dakshin Dinajpur	3241	877	4118	124	27	151	1316	350	1666	1001	276	1277
Uttar Dinajpur	3704	1021	4725	166	48	214	862	223	1085	1165	300	1465
Howrah	5215	3435	8650	151	98	249	2599	2314	4913	2465	1023	3488
Hooghly	7057	2690	9747	250	159	409	3606	1496	5102	2970	1269	4239
Jalpaiguri	4104	3070	7174	221	159	380	1145	721	1866	1259	791	2050
Malda	5344	1076	6420	293	53	346	1839	337	2176	1146	385	1531
Midnapore (East)	6388	2777	9165	620	223	843	3010	1114	4124	3810	1210	5020
Midnapore (West)	9240	2135	11375	441	173	614	3510	910	4420	4462	1103	5565
Mushidabad	4224	1852	6076	565	112	677	3264	369	3660	3324	572	3896
Nadia	6074	2925	8999	222	104	326	1414	820	2234	3126	1291	4417
24 Pgs. (N)	7338	5017	12355	406	207	613	5007	3985	8992	5990	5089	11079
24 Pgs. (S)	9180	3727	12907	822	356	1178	3142	1671	4813	3491	1567	5058
Purulia	4611	1635	6246	303	80	383	1380	120	1500	2142	366	2508
Total	109840	43675	153515	6579	2372	8951	49958	19190	69148	48214	21478	69692

Note : Excluding unaided recognised High and Higher Secondary and Senior Madrasah Schools and Sishu Siksha Kendras and Madhyamik Siksha Kendras.

Source: Directorate of School Education. Govt. of West Bengal

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