

Appendix B. Projection of District-wise Economy

1. Methodology

Gross value added by the district is projected by dividing figures of its province. It is presumed that the ratios of gross value added of each district in one province are fixed through all projected years because of insufficient data.

Therefore, all figures are projected by the following equation:

$$\begin{aligned}(Y_t)_{ijk} &= W_{ijk} \cdot (Y_t)_{ij} \\ (Y_t)_{jk} &= \sum (Y_t)_{ijk}\end{aligned}$$

where, W_{ijk} is the weight in k district of j province for i commodity group. For the other symbols, see the projection of provincial economy (page 32 of in Chapter 3).

2. Estimation of Weights by District (W_{ijk})

Estimation of each weight by district is carried out by three groups.

(1) Agriculture and Large-scale Manufacturing

a) Major and minor crops

Data source is the "Agricultural Statistics of Pakistan, 1983". Part II of the document presents data on district-wise production of crops. Weights are determined by calculating ratios for districts of the crop product in a province.

b) Other agriculture

Data source is the "Development Statistics" of each provinces using the latest issue. District data to be used in determining the weight by district are not available. Therefore, the weight estimation is carried out by using various data, such as number of livestock slaughtered by district, number of slaughter houses in the district etc. Statistical data used in the calculation will differ by province.

c) Large-scale manufacturing

Data source: Census of manufacturing industries, 1980-81 except Baluchistan, and Development Statistics of Baluchistan, 1985-86. Estimation of weight are conducted as follows: The three provinces except Baluchistan are based on value added by major industrial sub-sector by district. In the case of Baluchistan, the number of workers employed by major industrial sub-sector is used.

(2) Electricity and Gas Distribution, Transport, Storage and Communication, and Wholesale and Retail Trade

a) General procedures

Each industry is divided into two sub-sectors, and each sub-sector is estimated independently as described below.

b) Generation sub-sector in electricity and gas distribution

It is divided into districts in accordance with ratios of existing district capacities, which are determined by the annual report of WAPDA and other documents, to the total capacities of the province.

c) Freight transport, storage and business-use communication

They are divided into districts with ratios of the district's total value added in five goods producing sectors, that is agriculture, mining and quarrying, manufacturing, construction, and electricity and gas distribution.

d) Wholesale

Data source: 1981 population census

Weights are calculated as follows: At first, the most populous 12 cities are extracted from all cities, using 1981 population census. The 12 cities consist of Lahore, Faisalabad, Rawalpindi, Islamabad, Multan, Gujranwala, Sialkot and Sargodha in the Punjab, Karachi and Hyderabad in Sind, Peshawar in NWFP and Quetta in Baluchistan. And, almost all transactions of wholesale stage are presumed to be carried out by the 12 cities.

Under this assumption, wholesale of each province are allocated to the districts to which the 12 cities belong, in proportion to the population of each 12 cities. An exception is Sind. In Sind, the wholesale function of Karachi, which includes wholesale for imported goods, is considered to be larger than the ratio of its population, so that Karachi's share is increased to the extent of the proportion of Hyderabad population which is reduced in half.

e) Distribution sub-sector in electricity and gas distribution, passenger transport and household-use communication, and retail trade

The weights are estimated using the adjusted percentage distribution of number of working population by major industrial group in projected years. (See (4) below)

(3) Other Sectors

Other sectors, that is mining and quarrying, small-scale manufacturing, construction, banking and insurance, ownership of dwellings, public administration and defence, and services, are weighted by district using adjusted percentage distribution of the number of working population by major industrial group in each district for projected years (See (4) below). For this, the adopted equation is as follows:

$$(Wt)_{ijk} = \frac{(EPt)_{ijk}}{(EPt)_{ijk}}$$

where, t is the symbol of projected years
 EP is the number of working population
 Other symbols are explained already elsewhere.

The only exception is for ownership of dwellings. The income by ownership of dwellings is estimated by an adjusted population distribution. According to "Household income and expenditure survey, 1979", rent for dwellings in urban area exceeds substantially the percentage share of population in urban areas. Considering these data, population of Karachi Div. and Lahore Dist. is converted into twice their original population figures (These are cities with population of 2.5 million and over), and populations of Faisalabad, Rawalpindi, Islamabad, Multan, Gujrawala, Sialkot, Sargodha, Hyderabad, Peshawar and Quetta districts are converted into 50% more than their original population.

(4) Estimation of Number of Working Population by Industrial Group in Each District

Working population is used as an indicator to allocate "Provincial GRP" among districts. The estimation method of working population by district are as follows:

a) Estimation of the basis year (1985-86)

App. Table 1-5 shows the result. These tables are automatically calculated by using the 1981 census reports by district.

b) Estimation for each projected year

Projected number of working population is estimated with the following equation:

$$(EPt)_{jk} = R_{EP} \cdot (Pt)_{jk}$$

where, EP is the number of working population
 R_{EP} is the ratio of working population to the total population in 1981.

Working population in each industrial group i is estimated with the following equation:

$$(EPt)_{ijk} = R_i \cdot (EPt)_{jk}$$

where, R_i is the ratios of number of working population in each industrial group i to the total number of working population.

That is, the ratio of working population to the total population and the ratio of working population by industrial group to the total working population are assumed to be stable over the years.

Weights $(Wt)_{ijk}$ are estimated with the following equation:

$$(Wt)_{ijk} = \frac{(Ept)_{ijk}}{(Ept)_{ijk}} = \frac{(Ept)_{ijk}}{(Ept)_{ij}}$$

c) Special measure for FATA

FATA is included in NWFP in this provincial classification. Working population by major industrial group is not available for FATA. For this reason, (a) ratio of working population to the total population in agencies of FATA are regarded as the same ratio with the corresponding districts of NWFP, to which each agency of FATA belongs, and (b) ratio of working population for all major industrial groups except agriculture to the total working population in agencies of FATA are regarded to one-half the ratio in the corresponding districts of NWFP.

3. Results of Projection

Statistical Appendix 1-5 shows the results of projection of working population for 1987-88, 1992-93, 1997-98 and 2005-06. Projected GDPs by District for 1985-86, 1992-93, and 2005-06 is shown in Statistical Appendix 3-3.

- Statistical Appendix 1-1 Percentage Distribution of Migrant Population by Place of Previous Residence, 1981
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- Statistical Appendix 2-3 Summary Table of Projection on Balance of Payments
- Statistical Appendix 2-4 Projection on Net Foreign Loans and Investment
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- Statistical Appendix 4-2 Composition of Central Government Outlay by Economic Type, 1983
- Statistical Appendix 4-3 Composition of Central Government Expenditure by Function, 1983

Statistical Appendix 1-1 Percentage Distribution of Migrant Population by Place of Previous Residence

Present Residence	Population	Total	Previous Residence												Other Count- ies	AK/NA Count- ies	N.R.		
			NWFP		FATA		Punjab		Sind		Baluchistan		Islamabad						
			U	R	U	R	U	R	U	R	U	R	U	R					
Total	84,253,644	11,828																	
NWFP	11,061,328	4,442																	
U	1,665,653	13,657	0.183	3.852	1.182	0.211	3.884	0.022	0.132	0.003	0.050	0.003	0.043	0.202	2.812	1.078			
R	9,395,675	2,809	0.025	1.168	0.513	0.003	0.326	0.065	0.079	0.002	0.007	0.001	0.001	0.039	0.335	0.244			
Punjab	47,292,441	13,355																	
U	13,051,646	20,510	0.150	0.836	0.030	2.096	6.965	0.127	0.205	0.052	0.109	0.008	0.027	0.315	8.473	1.117			
R	34,240,795	10,627	0.027	0.172	0.007	0.315	4.020	0.016	0.126	0.006	0.091	0.000	0.001	0.098	4.813	0.934			
Sind	19,028,666	14,581																	
U	8,243,036	26,825	0.152	4.009	0.065	0.700	4.960	0.451	1.875	0.058	0.320	0.009	0.017	0.195	13.167	0.848			
R	10,785,630	5,223	0.008	0.239	0.009	0.151	1.379	0.113	1.867	0.005	0.235	0.000	0.001	0.029	0.804	0.382			
Baluchistan	4,332,376	6,104																	
U	676,772	20,052	0.275	2.683	0.045	2.110	4.927	0.229	0.619	0.978	3.776	0.001	0.013	0.175	2.586	1.635			
R	3,665,604	3,552	0.010	0.249	0.003	0.065	0.176	0.019	0.114	1.541	0.787	0.000	0.000	0.008	0.251	0.300			
Islamabad	340,286																		
U	204,364	50,609	0.667	7.035	0.086	5.331	22.280	0.396	1.121	0.044	0.154	-	-	1.764	2.938	8.793			
R	135,922	7,149	0.028	2.068	0.000	0.126	3.913	0.000	0.038	0.000	0.004	-	-	0.252	0.406	0.314			

Note: U = Urban, R = Rural, AK/NA = Azad Kashmir/Northern Areas, N.R. = not reported
 Compiled by the Study Team based on 1981 Census data

Statistical Appendix 1-2 Population of Pakistan in 1981 Census by Province and District

Province/ District	Population (in 1,000 persons)	Population density (person/sq.km)	Annual growth rates in 1972-1981 (%)
Pakistan Total	84,254	105.8	3.06
<u>Punjab</u>	47,633	230.9	2.75
Attock	1,144	116.9	1.82
Rawalpindi	2,121	401.3	2.31
Islamabad	340	375.5	4.48
Jhelum	1,167	162.6	1.24
Gujrat	2,255	384.4	2.05
Mianwali	1,377	98.4	2.74
Sargodha	2,553	206.5	2.33
Faisalabad	4,689	514.8	1.19
Jhang	1,978	224.6	2.83
Sialkot	2,712	506.5	1.73
Gujranwala	2,676	446.9	3.14
Sheikhupura	2,110	354.1	2.89
Lahore	3,545	2,000.5	3.78
Kasur	1,528	382.5	3.03
D.G. Khan	1,583	65.3	3.92
Muzaffargarh	2,164	148.9	3.90
Multan	4,080	376.1	3.16
Vehari	1,329	304.5	3.08
Sahiwal	3,612	350.6	3.57
Bahawalpur	1,453	58.5	3.67
Bahawalnagar	1,374	154.7	2.95
R.Y. Khan	1,842	155.0	3.30
<u>Sind</u>	19,029	135.0	3.55
Jacobabad	1,012	191.8	4.27
Sukkur	1,098	99.0	3.14
Shikarpur	620	218.1	1.49
Larkana	1,139	153.4	2.53
Nawabshah	1,647	219.6	2.34
Khairpur	981	62.4	3.64
Dadu	1,077	56.6	3.48
Hyderabad	2,054	361.5	2.58
Badin	777	118.4	2.94
Sanghar	923	86.0	3.43
Tharparkar	1,502	53.3	4.72
Thatta	761	43.9	1.41
Karachi	5,438	1,541.8	4.96
<u>NWFP**</u>	13,260	130.3	2.23
Chitral	209	14.0	3.25
Dir	767	145.3	4.50

(to be continued)

	Population (in 1,000 persons)	Population density (person/sq.km)	Annual growth rates in 1972-1981 (%)
Swat	1,233	140.3	3.94
Malakand	258	270.8	3.94
Kohistan	465	61.4	10.18
Mansehra	1,067	179.0	2.19
Abbottabad	1,169	328.0	2.14
Mardan	1,507	480.2	2.68
Peshawar	2,282	570.3	3.31
T.A. Peshawar**	37	142.0	-5.56
Oratizai**	359	233.3	2.82
Kohat	759	108.2	3.19
T.A. Kohat**	57	128.4	3.16
Bannu	711	161.9	2.70
T.A. Bannu**	79	90.9	2.60
D.I. Khan	635	70.6	3.53
T.A. D.I. Khan**	86	26.6	1.40
Bajur**	289	224.2	-2.68
Mahmand**	164	71.4	-9.54
Khuber**	284	110.3	-3.31
Kurram**	294	87.1	0.59
N. Waziristan**	239	50.8	-0.57
S. Waziristan**	309	46.7	0.07
<u>Baluchistan</u>	4,332	12.5	7.08
Quetta	382	143.0	5.00
Pishin	379	34.1	5.06
Loralai	388	20.3	8.97
Zhob	362	13.3	9.17
Chagai	120	2.4	7.49
Sibi	131	14.1	2.42
Nasirabad	394	67.6	6.91
Kachhi	305	22.5	3.87
Kholu	175	9.9	5.84
Kalat	341	27.3	10.48
Khuzdar	387	6.0	8.21
Kharan	128	2.7	6.22
Lasbela	188	15.0	4.92
Turbat	379	16.8	11.75
Gwadar	112	7.4	2.55
Panjgur	161	9.5	13.06

Source: "1981 Census Report of Pakistan" published in December, 1984

Note on Statistical Appendix 1-2

1. Punjab includes Islamabad (1).
2. NWFP includes federally administrated tribal areas (FATA) (**).
3. Population by agency and district in FATA is as follows:

		Population in 1981	Growth rate of population
211	Bajaur Ag.	289,206	- 2.68
212	Makmand Ag.	284,256	- 3.31
213	Khyber Ag.	294,362	+ 0.59
214	Kurram Ag.	163,933	- 9.54
215	Orgkzai Ag.	238,910	- 0.57
216	N. Waziristan Ag.	358,751	+ 2.82
217	S. Waziristan Ag.	309,454	+ 0.07
218	T.A. ad. Peshamar Dist.	79,362	+ 2.60
219	T.A. ad. Kohat Dist.	86,007	+ 1.40
220	T.A. ad. Bannu Dist.	57,246	+ 3.16
221	T.A. ad. A.I. Khan Dist.	37,061	- 5.56

4. This is the figures in the Final Report, so the figures are revised from ones used in "the Study on National Transport Plan in the Islamic Republic of Pakistan" May, 1993.

Statistical Appendix 1-3 Projected Population by District

(000)

District	1981 (Census)	1985/86	1992/93	1997/98	2005/06
311	1,144	1,249	1,415	1,548	1,746
312	2,121	2,371	2,778	3,110	3,647
611	340	415	582	751	1,151
313	1,167	1,240	1,350	1,434	1,546
314	2,255	2,490	2,866	3,168	3,640
321	1,378	1,569	1,888	2,152	2,593
322	2,553	2,854	3,340	3,732	4,353
323	4,689	4,966	5,372	5,676	6,063
324	1,978	2,264	2,741	3,139	3,806
331	2,712	2,936	3,299	3,657	3,957
332	2,676	3,098	3,832	4,426	5,497
333	2,110	2,414	2,936	3,350	4,081
334	3,546	4,228	5,461	6,506	8,491
335	1,528	1,760	2,160	2,482	3,066
341	1,583	1,899	2,484	2,990	3,852
342	2,164	2,693	3,387	4,072	5,240
343	4,080	4,724	5,868	6,807	8,274
344	1,329	1,533	1,894	2,188	2,644
346	3,612	4,263	6,445	6,442	8,082
351	1,454	1,724	2,219	2,639	3,442
352	1,374	1,577	1,932	2,219	2,738
353	1,841	2,148	2,695	3,149	3,991
411	1,012	1,234	1,640	1,983	2,591
412	1,098	1,275	1,580	1,814	2,186
413	620	663	729	768	807
414	1,139	1,279	1,511	1,675	1,910
415	1,647	1,833	2,136	2,349	2,638
416	981	1,160	1,477	1,730	2,149
421	1,077	1,262	1,587	1,840	2,247
422	2,054	2,309	2,729	3,029	3,450
423	777	889	1,077	1,216	1,423
424	923	1,079	1,353	1,564	1,902
425	1,502	1,866	2,548	3,136	4,213
426	761	809	883	925	961
431	5,438	6,810	9,243	11,349	15,267
111	209	242	296	333	394
112	767	945	1,251	1,497	1,954
113	1,233	1,480	1,887	2,198	2,748
114	258	310	395	460	575
121	465	724	1,305	1,911	3,141
122	1,067	1,154	1,229	1,234	1,112
123	1,169	1,262	1,339	1,341	1,203
131	1,507	1,710	2,053	2,316	2,702
132	2,281	2,666	3,340	3,887	4,762
133	759	881	1,095	1,268	1,539
141	711	807	964	1,088	1,271
142	635	750	948	1,114	1,386
511	381	488	646	750	921
512	379	486	642	748	919
513	388	545	819	1,046	1,492
514	362	510	773	992	1,425
515	120	163	233	287	388
521	131	149	166	168	166
522	394	512	704	826	1,029
523	305	368	456	495	546
524	175	222	294	337	403
531	341	505	803	1,065	1,547
532	387	544	804	1,011	1,349
533	128	172	238	285	353
534	188	245	324	377	445
541	380	594	987	1,352	2,043
542	112	137	160	170	171
543	161	259	450	635	1,007
211	291	245	190	161	121
212	284	233	174	140	102
213	294	292	286	284	281
214	164	98	45	26	12
215	239	225	203	189	171
216	359	398	454	500	592
217	309	300	284	273	259
218	79	86	97	106	123
219	86	89	92	95	100
220	57	64	75	84	102
221	37	27	17	12	7
Total	84,254	97,670	120,955	139,975	172,485

Statistical Appendix 1-4 Administrative Districts and Traffic Zones

District Code	District Name	Traffic Zone Code
311	Attock	9
312	Rawalpindi	10
611	Islamabad	10
313	Jelum	11
314	Gujrat	12
321	Mianwadi/Bhakkan	14
322	Sargodha/Khushab	13
323	Faisalabad/T.T. Singh	15
324	Jhang	16
331	Sialkot	20
332	Gujranwala	19
333	Sheikhupura	18
334	Lahore	17
335	Kasur	17
341	D.G. Khan/Rajanpur	21
342	Muzafroargarh/Layyah	22
343	Multan	23
344	Vehari	23
345	Sahiwal/Okara	24
351	Bahawalpur	25
352	Bahawalhagan	26
353	Rahin Yar Khan	27
411	Jacobabad	28
412	Sukkur	29
413	Shikarpur	28
414	Larkana	30
415	Nawabsha	31
416	Khairpur	32
421	Dadu	34
422	Hyderabad	33
423	Badin	38
424	Sanghar	36
425	Tharparkar	35
426	Thatta	37
431	Karachi	39
111	Chitral	7
112	Dir	7
113	Swat	8
114	Malakand	8
121	Kohistan	4
122	Mansehra	4
123	Abbottabad	4
131	Mardan	1
132	Peshawar	2
133	Kohat/Karak	3
141	Bannu	6
142	D. I. Khan	5
511	Quetta	40
512	Pishin	40
513	Loralai	41
514	Zhob	41
515	Chagai	42
521	Sibi	45
522	Nasirabad	45
523	Kachhi	45
524	Kohlu/Dera Bugti	45
531	Kalat	43
532	Khuzdar	45
533	Kharan	43
534	Lasbla	44
541	Turbat	46
542	Qwadar	46
543	Parigur	46
211	Bajour Ag.	2
212	Mahammad Ag.	2
213	Khyber Ag.	2
214	Khurram Ag.	3
215	Orakzai Ag.	3
216	North Waziristan Ag.	6
217	South Waziristan Ag.	5
218	T.A. ad. Peshawar	2
219	T.A. ad. Kohat	3
220	T.A. ad. Bannu	6
221	T.A. ad. D.J. Khan	5

Statistical Appendix 1-5(1) Working Population by District - 1981 (Census)

(000)

District Code	Agriculture	Mining/Quarrying	Manufacturing	Electricity/Gas	Construction	Wholesale/Retail	Transport/Comm.	Banking/Insure.	Pub. Ad./Service	TOTAL
311	158	1	18	3	20	26	15	1	39	279
312	144	2	43	4	32	61	29	6	147	468
611	16	0	9	2	5	6	6	3	34	83
313	118	12	24	1	20	24	10	3	45	258
314	277	1	79	4	30	50	25	4	88	557
321	235	3	26	2	16	25	15	2	46	368
322	363	12	60	4	30	76	30	5	114	694
323	542	1	260	10	60	151	50	8	194	1,276
324	383	1	41	3	21	41	20	2	76	688
331	302	1	151	4	37	74	31	5	98	703
332	288	1	148	3	33	87	36	6	109	710
333	291	1	112	2	30	55	26	3	93	618
334	103	2	161	17	76	178	86	19	239	882
335	224	0	52	2	16	40	15	2	60	412
341	309	1	19	1	13	32	12	2	47	435
342	412	1	38	1	28	42	15	2	66	605
343	609	1	116	4	49	120	53	10	146	1,107
344	237	0	27	1	15	33	13	2	39	368
345	673	1	88	4	35	97	35	9	139	1,081
351	245	0	27	2	20	35	15	2	64	410
352	289	0	28	1	12	34	10	1	47	421
353	344	1	34	2	17	34	14	2	65	513
411	243	0	3	0	6	13	4	1	18	288
412	180	0	19	1	22	29	20	1	36	309
413	131	0	5	1	6	11	5	1	15	176
414	235	0	6	1	10	24	9	1	30	315
415	328	0	9	3	12	23	9	2	40	425
416	197	0	6	2	7	21	4	2	23	262
421	233	9	19	1	7	20	8	1	30	328
422	274	2	51	6	33	70	20	5	76	537
423	192	0	7	0	2	7	3	0	20	232
424	214	0	10	1	5	16	5	1	18	269
425	332	0	13	1	6	27	8	1	36	424
426	182	0	5	1	6	14	3	0	16	229
431	73	5	300	14	74	298	157	44	334	1,299
111	51	0	1	0	1	4	1	0	5	63
112	150	1	4	1	7	8	5	1	13	189
113	256	1	6	1	7	16	8	1	28	324
114	32	0	2	1	3	7	3	0	9	57
121	163	0	0	0	0	0	0	0	1	165
122	208	0	2	1	4	11	7	1	23	258
123	143	0	13	5	17	28	21	2	62	293
131	277	2	15	7	18	27	15	2	36	399
132	266	1	31	6	29	74	33	6	138	583
133	73	1	7	1	15	15	9	1	34	157
141	112	0	3	1	5	19	5	1	28	173
142	105	0	3	1	8	16	5	1	39	178
511	10	3	6	2	4	22	9	1	26	83
512	37	1	1	0	2	22	4	0	5	72
513	99	2	0	0	1	4	2	0	6	116
514	75	5	1	0	4	6	2	0	4	98
515	15	3	0	0	4	2	2	0	2	28
521	23	1	2	0	1	3	2	0	3	36
522	113	0	1	0	2	2	1	0	4	124
523	75	4	1	0	1	2	2	0	4	89
524	48	1	0	0	0	0	0	0	1	51
531	81	5	0	0	0	3	2	0	5	96
532	80	0	1	0	3	3	1	0	4	92
533	32	0	0	0	1	1	0	0	2	36
534	54	1	1	0	1	2	1	0	2	62
541	81	0	1	0	12	3	8	0	2	108
542	22	0	1	0	2	2	1	0	2	32
543	29	0	1	0	4	1	1	0	2	38
211	62	0	1	0	2	3	1	0	5	75
212	60	0	1	0	1	3	1	0	5	73
213	62	0	1	0	2	3	1	0	6	75
214	35	0	1	0	1	2	1	0	3	42
215	51	0	1	0	1	2	1	0	4	61
216	76	0	1	0	2	4	2	0	7	92
217	65	0	1	0	2	3	2	0	6	79
218	17	0	0	0	0	1	0	0	1	20
219	18	0	0	0	0	1	0	0	2	22
220	12	0	0	0	0	1	0	0	1	15
221	8	0	0	0	0	0	0	0	1	9
Total	12,652	92	2,129	142	979	2,216	977	179	3,219	22,489

Statistical Appendix 1-5(2) Projected Working Population by District - 1985/86

(000)

District Code	Agriculture	Mining/Quarrying	Manufacturing	Electricity/Gas	Construction	Wholesale/Retail	Transport/Comm.	Banking/Insure.	Pub. Ad./Service	TOTAL
311	173	1	19	3	22	27	16	2	43	304
312	161	3	48	5	36	68	32	7	164	523
611	20	0	11	2	7	8	8	4	42	101
313	126	13	26	1	21	25	11	3	48	274
314	306	1	87	5	33	55	28	4	97	615
321	267	3	30	2	18	28	17	2	52	419
322	406	13	68	5	33	85	33	5	127	776
323	574	1	276	11	64	159	53	8	205	1,351
324	438	1	46	3	24	47	23	3	88	673
331	327	1	164	5	40	81	33	5	106	761
332	333	1	172	3	39	100	42	7	126	823
333	333	1	129	2	34	63	30	4	107	702
334	123	2	192	20	90	212	103	23	285	1,051
335	258	0	60	3	18	46	17	2	69	474
341	371	1	22	2	16	38	14	2	56	522
342	493	1	46	1	34	50	17	3	79	724
343	706	1	133	5	56	138	62	12	169	1,282
344	274	0	31	2	17	38	14	3	45	424
345	795	1	103	5	41	115	41	10	165	1,275
351	290	0	33	2	24	41	18	2	75	486
352	331	0	32	1	14	39	11	1	54	483
353	401	1	40	2	20	40	17	2	76	599
411	296	0	4	0	8	16	5	1	22	352
412	209	0	23	1	26	33	24	1	41	359
413	140	0	5	1	7	11	6	1	17	188
414	264	0	7	1	11	27	10	1	34	354
415	365	0	9	4	13	26	9	2	45	473
416	233	0	7	2	8	25	5	2	27	310
421	273	10	22	2	8	24	10	2	35	385
422	308	2	57	7	37	79	22	6	85	604
423	219	0	8	0	3	8	3	1	23	265
424	250	0	11	1	6	19	5	1	21	314
425	413	0	16	1	7	33	11	2	44	526
426	194	0	5	1	7	15	3	0	18	243
431	91	7	376	18	93	373	197	55	418	1,627
111	59	0	1	0	1	5	1	0	6	72
112	185	1	5	1	9	10	6	1	16	232
113	307	2	8	1	9	19	9	2	33	389
114	39	0	2	1	4	8	3	0	11	69
121	254	0	0	0	0	1	0	0	2	257
122	225	0	3	1	5	12	8	1	25	279
123	155	0	15	6	19	30	23	3	67	317
131	315	2	17	8	21	30	17	2	40	453
132	311	1	36	7	34	87	38	7	161	681
133	85	2	8	1	17	17	11	2	39	183
141	127	0	4	2	6	21	5	1	32	196
142	124	0	4	1	9	19	6	1	46	210
611	12	4	8	2	6	28	12	1	34	106
612	47	2	1	0	3	28	5	0	6	93
613	140	3	1	0	1	6	2	0	8	161
614	106	7	1	0	6	9	3	0	6	138
615	20	4	0	0	5	2	3	0	3	38
621	26	2	3	0	1	4	2	0	4	41
622	147	0	1	0	3	3	1	0	6	161
623	91	5	1	0	1	3	2	0	5	107
624	61	2	0	0	0	1	0	0	1	64
631	120	7	0	0	1	4	2	0	7	141
632	112	0	2	0	5	4	1	0	6	130
633	43	0	0	0	1	1	0	0	2	49
634	70	1	1	0	1	2	1	0	3	80
641	126	0	1	0	19	5	13	0	4	168
642	27	0	2	0	2	2	2	0	3	39
643	46	0	1	0	6	2	2	0	3	60
211	52	0	1	0	1	2	1	0	5	63
212	49	0	1	0	1	2	1	0	4	60
213	62	0	1	0	2	3	1	0	5	75
214	21	0	0	0	1	1	0	0	2	25
215	48	0	1	0	1	2	1	0	4	58
216	84	0	2	0	2	4	2	0	7	102
217	63	0	1	0	2	3	2	0	6	77
218	18	0	0	0	0	1	0	0	2	22
219	19	0	0	0	0	1	0	0	2	23
220	14	0	0	0	0	1	0	0	1	16
221	6	0	0	0	0	0	0	0	1	7
Total	14,576	110	2,451	164	1,136	2,576	1,141	210	3,724	26,089

Statistical Appendix 1-5(3) Projected Working Population by District - 1992/93

(000)

District Code	Agriculture	Mining/Quarrying	Manufacturing	Electricity/Gas	Construction	Wholesale/Retail	Transport/Comm.	Banking/Insure.	Pub. Ad./Service	TOTAL
311	196	1	22	3	24	30	19	2	48	346
312	189	3	56	6	42	80	38	8	192	613
611	28	0	16	3	9	11	11	6	59	142
313	137	14	28	1	23	27	12	4	53	298
314	353	1	100	6	38	63	32	5	112	708
321	321	4	36	3	22	34	20	3	62	504
322	475	15	79	5	39	100	39	6	149	908
323	621	1	298	12	69	172	57	9	222	1,462
324	531	1	56	4	29	57	28	3	106	815
331	368	1	184	5	44	91	38	6	119	855
332	412	1	213	4	48	124	52	8	166	1,017
333	406	2	156	3	41	76	36	4	130	854
334	159	3	249	26	117	274	133	30	368	1,358
335	317	1	74	3	23	56	21	2	85	592
341	485	1	29	2	20	50	18	3	74	683
342	644	1	60	2	44	65	23	4	103	946
343	876	2	166	6	70	172	76	14	210	1,592
344	338	1	39	2	21	47	18	3	66	524
345	1,015	2	132	7	52	147	52	13	210	1,629
351	373	1	42	3	31	53	23	3	97	625
352	406	1	39	2	17	47	14	1	66	592
353	503	1	50	2	25	50	21	3	95	751
411	393	0	5	0	10	21	7	1	29	468
412	259	0	28	2	32	41	29	2	51	446
413	154	0	6	1	8	13	6	1	18	206
414	311	0	8	2	13	31	12	1	40	418
415	426	0	11	4	15	29	11	2	52	551
416	297	0	9	2	10	32	6	2	34	394
421	343	13	28	2	10	30	12	2	44	484
422	363	3	68	9	44	94	26	7	101	714
423	266	0	10	0	3	10	4	1	27	321
424	314	0	14	1	7	24	7	1	26	394
425	563	0	22	1	10	45	14	2	60	719
426	212	0	6	1	7	17	3	1	19	266
431	124	9	510	24	126	506	267	75	668	2,208
111	72	0	1	0	1	6	1	0	7	89
112	244	1	6	1	12	13	7	1	22	308
113	391	2	10	1	11	24	12	2	43	496
114	50	0	3	2	5	10	4	0	14	88
121	458	0	0	0	0	1	0	0	3	463
122	240	0	3	1	5	13	8	1	27	297
123	164	0	15	6	20	32	25	3	71	336
131	378	3	21	9	25	36	21	3	48	544
132	390	1	45	9	43	108	48	9	201	853
133	106	2	10	1	22	22	14	2	49	227
141	151	0	5	2	6	25	6	1	38	234
142	157	0	5	2	11	24	8	1	58	266
511	16	5	10	3	7	37	15	2	44	140
512	62	2	1	0	4	37	7	0	8	123
513	210	4	1	0	2	9	4	0	12	242
514	161	10	2	0	8	14	5	0	9	209
515	28	5	0	0	7	3	5	0	5	54
521	29	2	3	0	1	4	2	0	4	46
522	202	0	2	0	4	4	2	0	8	222
523	113	6	1	0	1	3	2	0	6	133
524	81	2	0	0	0	1	0	0	1	85
531	190	11	0	0	1	6	4	0	12	224
532	166	0	2	0	7	6	2	0	8	192
533	60	0	0	0	2	1	1	0	3	67
534	93	1	2	0	2	3	2	0	4	106
541	209	0	2	0	32	9	21	0	6	280
542	32	0	2	0	3	3	2	0	3	45
543	80	0	2	0	11	4	4	0	5	105
211	40	0	1	0	1	2	1	0	4	49
212	37	0	1	0	1	2	1	0	3	45
213	60	0	1	0	1	3	1	0	5	73
214	10	0	0	0	0	0	0	0	1	12
215	43	0	1	0	1	2	1	0	4	52
216	96	0	2	1	2	5	2	0	9	117
217	60	0	1	0	1	3	1	0	5	73
218	21	0	0	0	1	1	0	0	2	25
219	19	0	0	0	0	1	0	0	2	24
220	16	0	0	0	0	1	0	0	1	19
221	4	0	0	0	0	0	0	0	0	4
Total	18,116	140	3,009	201	1,407	3,198	1,426	265	4,598	32,360

Statistical Appendix 1-5(4) Projected Working Population by District - 1997/98

(000)

District Code	Agriculture	Mining/Quarrying	Manufacturing	Electricity/Gas	Construction	Wholesale/Retail	Transport/Comm.	Banking/Insure.	Pub. Ad./Service	TOTAL
311	214	1	24	3	27	33	20	2	53	377
312	211	3	82	6	47	89	43	9	215	686
611	36	1	20	4	12	14	14	7	76	184
313	145	15	30	1	24	29	13	4	56	317
314	390	1	110	6	41	70	35	5	124	783
321	366	4	41	3	25	38	23	3	71	574
322	531	17	88	6	44	112	44	7	166	1,015
323	656	2	315	12	73	182	60	9	235	1,544
324	608	1	54	5	34	65	32	4	121	934
331	396	1	198	6	48	98	41	6	128	922
332	476	1	246	5	55	143	60	9	180	1,175
333	463	2	178	3	47	87	41	5	148	976
334	189	3	296	31	139	327	159	36	438	1,618
335	364	1	85	4	26	65	24	3	98	669
341	584	2	35	2	25	60	22	3	89	822
342	775	1	72	2	53	78	27	5	124	1,138
343	1,016	2	192	7	81	199	89	17	244	1,847
344	391	1	45	2	24	54	21	4	65	605
345	1,201	2	156	8	62	173	62	15	249	1,927
351	444	1	50	4	36	63	28	3	115	744
352	466	1	45	2	19	54	16	1	76	680
353	588	1	59	3	29	59	25	4	112	878
411	475	0	6	1	12	25	8	2	35	565
412	298	1	32	2	37	48	34	2	59	511
413	162	0	6	1	8	13	7	1	19	217
414	345	0	9	2	14	35	13	1	44	463
415	468	0	12	5	17	32	12	2	58	606
416	348	0	11	3	12	38	7	3	40	462
421	398	15	33	2	11	35	14	2	50	561
422	403	3	75	10	48	104	29	8	112	793
423	300	0	12	0	4	11	4	1	31	362
424	353	0	16	1	8	27	8	1	31	455
425	693	0	27	2	12	55	18	3	74	884
426	222	0	6	1	8	18	3	1	20	278
431	152	11	626	30	155	621	328	92	697	2,711
111	81	0	1	0	2	7	1	0	8	100
112	292	1	8	1	14	15	9	1	26	368
113	456	2	12	1	13	28	14	2	50	578
114	58	0	3	2	5	12	5	1	16	102
121	670	0	0	0	0	2	0	1	5	678
122	241	0	3	1	5	13	8	1	27	298
123	164	0	15	6	20	32	25	3	71	337
131	426	3	23	10	28	41	23	3	65	614
132	454	1	53	10	50	126	56	10	234	993
133	122	2	12	2	25	25	16	2	57	263
141	171	0	5	2	7	28	7	1	43	265
142	184	0	5	2	13	28	9	1	68	312
511	19	5	12	3	8	43	18	2	52	163
512	73	3	1	0	4	43	8	0	10	143
513	268	5	1	1	2	11	5	0	15	309
514	206	13	2	1	11	17	6	0	12	268
515	35	7	1	0	9	4	6	0	6	67
521	30	2	3	0	1	4	2	0	4	47
522	237	0	2	0	4	5	2	0	9	260
523	123	6	1	0	1	3	3	0	7	144
524	92	3	0	0	0	1	0	0	1	98
531	252	14	1	0	1	8	5	0	15	298
532	208	0	3	0	9	7	2	0	10	241
533	72	0	0	0	2	2	1	0	3	80
534	108	1	2	0	2	3	2	0	4	124
541	287	0	3	0	44	12	29	0	8	383
542	34	0	2	0	3	3	2	0	3	48
543	113	0	2	0	15	5	5	0	5	148
211	34	0	1	0	1	2	1	0	3	41
212	30	0	1	0	1	1	1	0	3	36
213	60	0	1	0	1	3	1	0	5	73
214	5	0	0	0	0	0	0	0	0	7
215	40	0	1	0	1	2	1	0	4	49
216	106	0	2	1	3	5	3	0	9	128
217	58	0	1	0	1	3	1	0	5	70
218	22	0	0	0	1	1	1	0	2	27
219	20	0	0	0	0	1	0	0	2	24
220	18	0	0	0	0	1	0	0	2	22
221	3	0	0	0	0	0	0	0	0	3
Total	21,010	164	3,467	231	1,629	3,707	1,660	311	5,314	37,492

Statistical Appendix 1-5(5) Projected Working Population by District - 2005-06

(000)

District Code	Agriculture	Mining/Quarrying	Manufacturing	Electricity/Gas	Construction	Wholesale/Retail	Transport/Comm.	Banking/Insure.	Pub. Ad./Service	TOTAL
311	241	1	27	4	30	37	23	2	60	426
312	248	4	73	7	55	106	50	10	252	805
611	56	1	31	6	18	21	22	11	116	281
313	157	16	32	1	26	31	14	4	60	342
314	448	1	127	7	48	80	40	6	142	899
321	442	5	49	3	30	46	28	3	86	692
322	619	20	103	7	51	130	51	8	194	1,184
323	700	2	336	13	77	194	64	10	280	1,647
324	737	1	78	6	41	79	38	5	147	1,132
331	441	1	220	6	53	109	45	7	143	1,025
332	591	1	305	6	69	178	74	12	223	1,459
333	564	2	217	4	57	106	50	6	180	1,187
334	247	4	386	40	182	426	207	46	572	2,111
335	448	1	105	5	32	80	30	3	120	824
341	752	2	46	3	32	77	29	4	114	1,059
342	997	1	92	3	69	101	35	6	160	1,464
343	1,235	2	234	9	99	242	108	20	296	2,246
344	472	1	54	3	29	65	25	4	78	732
345	1,506	2	196	10	77	218	77	19	312	2,418
351	579	1	65	5	48	82	36	4	150	970
352	575	1	55	3	24	67	19	2	94	839
353	746	1	75	3	37	75	31	4	141	1,113
411	621	0	8	1	16	33	11	2	46	739
412	359	1	39	2	44	57	41	2	71	616
413	171	0	6	1	8	14	7	1	20	229
414	394	0	10	2	16	40	15	2	50	528
415	526	0	14	5	19	36	14	3	65	681
416	432	0	13	3	15	47	9	3	50	574
421	486	18	40	3	14	42	17	3	52	685
422	459	4	86	11	55	118	33	9	127	903
423	351	0	14	0	4	13	5	1	36	424
424	441	0	20	1	10	33	9	2	37	554
425	932	0	36	2	17	75	24	4	100	1,188
426	230	0	6	1	8	18	3	1	21	289
431	204	15	843	40	208	835	441	124	937	3,648
111	96	0	1	0	2	8	1	0	10	118
112	382	2	10	1	19	20	12	1	34	481
113	570	3	14	1	17	35	17	3	62	722
114	72	1	4	2	7	15	6	1	20	128
121	1,102	0	0	0	0	3	0	1	8	1,114
122	217	0	2	1	5	12	8	1	24	269
123	147	0	14	5	18	29	22	2	64	302
131	498	4	27	12	33	48	27	4	64	716
132	556	1	64	12	61	155	68	12	287	1,217
133	149	3	14	2	30	30	19	3	69	319
141	199	0	6	2	8	33	8	1	50	309
142	229	0	7	2	17	35	12	2	85	389
511	23	7	14	4	10	53	22	3	63	200
512	89	4	1	1	5	53	10	0	12	175
513	383	8	2	1	4	16	7	0	22	441
514	296	19	3	1	15	25	8	0	17	385
515	47	9	1	0	12	5	8	0	8	90
521	29	2	3	0	1	4	2	0	4	46
522	296	0	3	0	6	6	2	0	11	324
523	135	7	1	0	2	4	3	0	7	159
524	111	3	0	0	0	1	0	0	2	117
531	366	21	1	0	2	12	7	0	22	432
532	278	0	4	0	12	10	3	0	14	322
533	89	0	0	0	3	2	1	0	4	100
534	128	1	2	0	2	4	2	0	5	146
541	433	0	5	0	66	18	44	1	13	579
542	34	0	2	0	3	3	2	0	3	48
543	179	1	4	0	24	9	8	0	10	235
211	26	0	0	0	1	1	1	0	2	31
212	22	0	0	0	1	1	1	0	2	26
213	59	0	1	0	1	3	1	0	5	72
214	3	0	0	0	0	0	0	0	0	3
215	36	0	1	0	1	2	1	0	3	44
216	125	0	2	1	3	6	3	0	11	152
217	55	0	1	0	1	3	1	0	5	66
218	26	0	0	0	1	1	1	0	2	32
219	21	0	0	0	1	1	1	0	2	26
220	22	0	0	0	1	1	1	0	2	26
221	1	0	0	0	0	0	0	0	0	2
Total	25,933	206	4,269	281	2,010	4,581	2,067	392	6,646	46,274

Statistical Appendix 2-1 GDP and GNP at 1985/86 Constant Prices (1970/71-1986/87)

(million Rs.)

	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87 (P)
Agriculture	73,258	75,374	76,514	79,518	77,807	81,443	83,723	86,473	89,197	94,566	98,233	101,674	105,613	100,239	111,683	118,670	125,373
Major Crops	38,079	39,652	40,393	42,398	40,296	42,339	42,939	43,863	44,944	49,214	51,149	53,165	55,203	47,593	56,149	60,311	64,257
Minor Crops	10,835	11,515	12,111	12,829	14,031	14,031	14,670	14,991	15,437	15,939	16,237	16,726	17,199	17,406	17,979	18,590	19,148
Livestock	21,084	21,505	21,937	22,376	22,827	23,283	24,016	24,833	25,681	26,546	27,483	28,493	29,688	31,551	33,552	35,709	37,812
Fishing	2,962	2,389	2,446	2,198	1,567	1,643	1,873	2,053	2,656	2,427	2,924	2,943	3,210	3,401	3,573	3,669	3,745
Forestry	298	313	445	435	288	127	225	283	459	440	440	347	313	288	430	391	411
Mining & Quarrying	3,593	3,662	3,709	4,146	4,169	4,031	4,745	4,883	5,091	5,759	6,519	7,084	7,348	7,509	9,237	11,448	12,277
Manufacturing	30,377	30,757	33,442	35,565	35,752	36,248	36,902	40,776	44,154	48,803	54,124	61,669	66,201	71,598	77,590	83,670	89,898
Construction	10,027	8,390	9,710	10,749	12,653	15,106	14,976	16,217	17,104	17,074	19,831	20,459	22,904	26,886	27,687	30,421	33,848
Electricity & Gas distribution	3,046	3,206	3,712	4,390	3,901	4,049	4,699	5,114	5,615	6,294	6,980	7,305	7,876	9,245	9,640	11,136	12,246
Transport, Storage & Communication	13,973	14,312	16,639	17,415	18,184	18,395	18,713	21,365	23,100	24,652	26,634	28,510	30,725	34,005	36,368	39,429	42,476
Wholesale & Retail trade	32,206	32,912	34,795	39,648	40,868	41,573	41,439	45,566	48,528	52,189	55,815	61,824	65,781	68,278	75,445	81,045	86,483
Banking and Insurance	4,057	4,089	5,278	5,616	6,428	6,638	7,182	8,025	8,542	8,383	7,648	9,175	11,258	13,449	14,031	14,855	15,424
Ownership of dwellings	8,023	8,295	8,596	8,903	9,224	9,559	9,901	10,257	10,627	11,012	11,410	11,821	12,247	12,687	13,148	13,623	14,112
Public administration & Defence	11,639	12,430	14,181	16,277	21,673	21,029	22,562	25,411	26,749	28,423	31,435	31,888	33,661	36,329	40,252	42,053	45,682
Services	17,051	17,913	18,849	19,876	21,000	22,206	22,925	24,865	26,296	27,802	29,398	31,084	32,967	34,754	36,747	38,860	41,093
*Gross domestic product at factor cost	207,250	211,340	225,425	242,103	251,659	260,277	267,767	288,952	305,023	326,958	348,027	372,477	396,481	414,979	451,928	485,210	518,912
Net factor income from abroad	(-1767)	737	1,929	1,961	2,750	7,579	10,524	24,301	28,141	29,362	25,933	26,350	37,062	36,614	32,457	35,250	31,839
Indirect Taxes (Less) Subsidies	26,151	24,537	26,490	29,874	28,871	30,581	31,346	36,381	41,857	46,986	48,703	47,736	52,656	58,940	59,005	65,916	75,504
*Gross national product at market prices	1,017	1,169	2,093	9,684	9,828	6,761	3,774	5,773	12,159	9,929	7,122	6,927	9,099	8,919	9,734	11,589	13,198
	231,617	235,485	251,751	264,254	273,452	291,676	305,863	343,861	362,862	393,377	415,541	439,636	477,100	501,614	533,556	574,787	613,057

Note: Conversion to 1985-86 constant prices is carried out by the detail component, which is published by FBS and PDB, using the official data.

Statistical Appendix 2-2 Expenditure at 1985/86 Constant Prices (1970/71-1986/87)

	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87 (2)
Consumption Expenditure	194,685	197,643	211,449	232,701	250,156	255,939	268,120	292,060	326,677	346,660	350,245	372,825	388,908	420,560	456,383	504,269	510,147
(Of which, Balancing Item)	(-17,029)	(-17,909)	(-112,343)	(-110,188)	(-) 4,961	(-) 6,041	(-) 7,872	(-) 1,516	5,474	1,958	(-) 14,799	(-) 6,029	(-) 10,485	(-) 5,560	(-) 5,511	0	(-) 12,922
Gross Domestic Fixed Capital formation	34,693	32,705	33,084	36,193	36,379	50,361	53,803	53,609	52,186	52,408	52,040	59,533	67,801	71,142	76,060	81,319	92,015
Change in Stocks	4,450	4,075	4,010	3,151	4,990	0	2,005	1,853	3,043	3,094	6,159	10,017	8,113	8,236	8,993	9,000	9,115
Exports of G & NPS	43,884	37,712	43,297	43,427	34,801	40,305	33,702	37,522	38,537	50,017	64,118	51,372	67,645	64,712	64,808	63,075	81,580
(Less) Imports of G & NPS	45,328	37,409	42,018	53,179	55,624	62,508	62,291	65,484	85,722	89,164	83,054	81,461	92,429	99,651	105,145	118,226	111,639
Net Factor Income From Abroad	(-) 767	757	1,929	1,961	2,750	7,579	10,324	24,301	28,141	28,362	25,933	26,350	37,062	36,614	32,437	35,250	31,839
Expenditure on Gross National Product at Market Prices	231,617	235,485	251,751	264,254	273,452	291,676	305,863	343,861	362,862	392,377	415,541	439,436	477,100	501,614	533,556	574,787	612,057

Note: Conversion to 1985-86 constant prices is carried out by the detail component, which is published by FBS and PDS, using the official data.

Statistical Appendix 2-3 Summary Table of Projection on Balance of Payments

(in million Rs.)

	Receipts				Payments				Current Account	Capital Account	Decrease in Foreign Exchange Reserve	Ratio of Foreign Exchange Reserve to Payments (in month)
	Goods and Non-Factor Services	Factor Income from Abroad	Other Net Transfers	Total	Goods and Non-Factor Services	Factor Income to Abroad	Value For Balancing	Total				
	(1)	(2)	(3)	(4)=(1)+(2)+(3)	(5)	(6)	(7)	(8)=(5)+(6)+(7)	(9)=(4)-(8)	(10)	(11)=- (9)-(10)	(12)
1985-86	61,259	45,537	7,729	114,525	116,704	10,331	0	127,035	-12,510	19,555	-7,045	1.5
1986-87	73,716	43,687	7,078	124,481	118,486	12,300	0	130,786	-6,305	11,424	-5,119	1.9
	77,101	44,320	7,182	128,603	105,538	12,481	17,783(15.1)	134,908				
1987-88	84,811	43,710	8,200	136,721	121,764	13,104	21,333(15.8)	156,201	-19,480	15,673	3,807	1.3
1988-89	94,988	42,836	8,446	146,270	130,076	13,789	15,825(11.0)	159,690	-13,420	12,145	1,275	1.2
1989-90	104,467	41,979	8,699	155,145	140,235	14,516	12,380(8.0)	167,131	-11,986	12,905	- 919	1.2
1990-91	113,869	41,140	8,960	163,969	151,200	15,267	9,986(6.0)	176,455	-12,486	13,531	-1,045	1.2
1991-92	124,117	40,317	9,229	173,663	163,935	16,059	7,164(4.0)	186,258	-12,595	14,295	-1,700	1.3
1992-93	135,288	39,510	9,506	184,304	175,813	16,843	5,780(3.0)	198,436	-14,132	14,250	- 118	1.2
1993-94	147,464	39,115	9,791	196,370	187,912	17,687	5,140(2.5)	210,739	-14,369	13,506	- 863	1.1
1994-95	160,736	38,724	10,085	209,545	200,029	18,569	4,372(2.0)	222,970	-13,425	13,834	- 409	1.0
1995-96	174,399	38,337	10,388	223,124	212,968	19,358	3,485(1.5)	235,811	-12,687	14,290	-1,603	1.1
1996-97	188,374	37,953	10,699	237,026	226,788	20,326	2,471(1.0)	249,585	-12,059	14,897	-2,838	1.1
1997-98	203,040	37,574	11,020	251,634	241,309	21,158	1,312(0.5)	263,779	-12,145	15,346	-3,201	1.2
1998-99	217,253	37,200	11,351	265,804	255,064	22,152	0	277,216	-11,412	15,691	-4,279	1.3
1999-2000	232,461	37,200	11,691	281,352	269,602	22,972	0	292,574	-11,222	15,926	-4,704	1.5
2000-01	247,863	37,200	12,042	297,045	284,970	24,001	1,545(0.5)	310,516	-13,471	16,587	-3,116	1.5
2001-02	264,158	37,200	12,403	313,761	301,213	24,982	3,262(1.0)	329,457	-15,696	16,069	- 373	1.4
2002-03	281,593	37,200	12,775	331,568	317,384	26,017	5,151(1.5)	348,552	-16,984	17,161	- 177	1.3
2003-04	300,178	37,200	13,159	350,537	334,784	27,109	7,236(2.0)	369,049	-18,512	17,870	642	1.3
2004-05	319,990	37,200	13,553	370,743	352,014	28,275	9,507(2.5)	389,796	-19,053	19,217	- 164	1.2
2005-06	341,109	37,200	13,960	392,269	370,743	29,486	12,008(3.0)	412,287	-20,018	19,784	234	1.2

Notes on Statistical Appendix 2-3

1. Exports of goods and non-factor services;
This item is projected by considering additional Pakistan's export promotion efforts in the future.
2. Imports of goods and non-factor services;
This item is projected by an assumption of approximately 21.0% to GNP at market prices.
3. Other net transfers;
These items are transferred from Statistical Appendix 2-4 "Projection on net foreign loan and investment.
4. Rate of change in terms of trade from the base year;
Figures in 1987-88 is estimated by using the latest issues of UN "Monthly Bulletin of Statistics" and IMF "International Financial Statistics".
Figures of 1988-89 to 200-06 are assumed by the Study Team.
5. Capital accounts;
This item is projected by an assumption that ratio to GNP at market prices will be stable at the level of approximately 2.0% after 1988-89. The average ratio in the recent eight years was 2.1%. It is possible to pull up within a small range, but investment income abroad will increase in the future in this case, and it will work to limit the future economic growth by reducing domestic investment.
6. Foreign exchange reserve ratio to payments;
Figures concern to only the foreign exchange holdings and are excluded to the monetary gold and SDR. The gold and foreign exchange reserve of Pakistan in the end of June 1986 was by Rs. 27,570 million, of which foreign exchange reserve was Rs. 15,814 million.

Statistical Appendix 2-4 Projection on Net Foreign Loans and Investment

(in million Rs.)

	Official Long-Term Loan			Other Capital Transactions			Net Investment		
	Disbursement	Principal repayment	Debt outstanding	Estimated interest rate(%)	Interest payment	Receipt Payments	Outstandings	Estimated repayment rate (%)	Income to abroad (net)
1985-86	13,256	8,477	(180,548)	(3.2)	5,816	22,855	8,079	(12.7)	4,515
1986-87	15,753	11,201	(185,100)	(4.0)	7,404	15,960	9,068	(8.4)	4,896
1987-88	17,233	12,032	190,301	4.0	7,612	20,944	10,472	8.0	5,492
1988-89	17,650	12,370	195,581	4.0	7,823	19,222	12,357	7.9	5,966
1989-90	18,066	12,713	200,934	4.0	8,037	21,145	13,593	7.8	6,479
1990-91	18,701	13,061	206,574	4.0	8,263	22,843	14,952	7.7	7,004
1991-92	19,081	13,427	212,228	4.0	8,489	25,014	16,373	7.6	7,570
1992-93	19,081	13,795	217,514	4.0	8,701	26,892	17,928	7.5	8,142
1993-94	18,959	14,138	222,335	4.0	8,893	28,227	19,542	7.5	8,794
1994-95	18,906	14,452	226,789	4.0	9,072	30,485	21,105	7.5	9,497
1995-96	18,901	14,741	230,949	4.0	9,238	32,923	22,793	7.4	10,120
1996-97	18,968	15,012	234,905	4.0	9,396	35,558	24,617	7.4	10,930
1997-98	19,537	15,269	239,173	4.0	9,567	37,664	26,586	7.3	11,591
1998-99	20,123	15,546	243,750	4.0	9,750	39,694	28,580	7.3	12,402
1999-00	20,727	15,844	248,633	4.0	9,945	41,624	30,581	7.2	13,027
2000-01	21,349	16,161	253,821	4.0	10,153	43,987	32,588	7.2	13,848
2001-02	21,989	16,498	259,312	4.0	10,372	45,198	34,620	7.2	14,610
2002-03	22,649	16,855	265,106	4.0	10,604	47,685	36,524	7.2	15,413
2003-04	23,328	17,232	271,202	4.0	10,848	50,307	38,533	7.2	16,261
2004-05	24,028	17,628	277,998	4.0	11,120	53,073	40,652	7.2	17,155
2005-06	24,749	18,070	284,677	4.0	11,387	55,993	42,888	7.2	18,099
									29,486

Note on Statistical Appendix 2-4

1. Presented timing;

The years mean the each calendar year for flows of disbursements and principal repayments, the end of each years for outstanding, and the each fiscal year for interest and income payments. Therefore the timing for interest and income payments has a half year lag to the other items.

2. Sources for 1985-86;

Figures on flows are based on "Pakistan's balance of payments July 1985-June 1986". Figures on outstanding are estimated as the basis of the total debt and liabilities outstanding at end December, 1985 in OECD "External Debt Statistics, 1987".

Net investment income abroad is extracted from the State Bank of Pakistan "Pakistan's Balance of Payments, July 1985 - June 1986".

Interest payment for official long term loans is estimated by the Study Team, using the World Bank data (World Debt Tables, 1986-1987 ed.) to have a half year advance.

3. Assumptions for projection

a) Disbursements

Ordinary growth rate is set at 3.0% per annum, despite 2.5% per annum for the all countries shown in OECD "Development Co-operation, 1987 Report".

Average disbursements/commitments ratios in the recent 5 years were 65.0% for Pakistan, as against 89.6% for the all countries according to the World Bank data above mentioned. If Pakistan's disbursements/commitments ratio rise to the level of all countries, another Rs. 23,657 million will be added to the ordinary disbursements during coming several years.

The Study Team distributed this additional disburseable value among 10 fiscal years of 1986-87 to 1995-96, of which disburseable value of 1986-87 and 1987-88 is estimated by the Economic Survey 1986-87 and Federal Budget documents of the Government for 1987-88 after adjustment based on "Pakistan's balance of payments, July 1985-June 1986".

b) Principal repayments;

The principal repayment is assumed by 6% of the outstanding in the 7 years before. This ratio is estimated by the Study Team using the World Bank data.

c) Estimated interest rate;

This item is estimated with a time trend based on an assumption.

d) Outstanding of other loans and investments;

This item is calculated by net receipts of capital accounts in Appendix 2.3 "Summary Table of projection on balance of payments" minus marginal increase in debt outstanding of official long term loans.

e) Estimated repayment rate for other loans and investments;

This item is estimated by using the State Bank of Pakistan "Balance of Payments" and "Annual Report" of each year, OECD and World Bank documents.

Statistical Appendix 2-5 Summary Table of Projection on GDP and GNP at 1985/86 Prices

(in million Rs.)

	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Agriculture	116,670	125,373	130,714	135,908	141,315	146,944	152,807	158,913	165,498	171,258	177,463	184,518	191,822	198,326	205,037	212,103	219,565	227,424	236,219	244,518	253,561
Mining & Quarrying	11,448	12,277	13,321	14,653	16,118	17,730	19,503	21,454	23,170	25,024	27,026	29,188	31,523	33,572	35,754	38,087	40,553	43,189	45,997	48,986	52,170
Manufacturing	83,670	89,898	97,121	105,216	113,987	123,489	133,783	144,934	155,225	167,434	180,305	193,575	207,909	221,747	236,537	252,198	268,768	286,322	306,809	324,553	345,607
Construction	30,421	31,848	36,387	38,970	41,737	44,701	47,874	51,274	54,761	58,484	62,461	66,709	71,245	76,090	81,264	86,790	92,691	98,994	105,726	112,915	120,594
Electricity and Gas distribution	11,136	12,246	13,226	14,297	15,455	16,707	18,061	19,523	21,085	22,772	24,593	26,561	28,686	30,927	33,150	35,637	38,309	41,182	44,271	47,591	51,161
Transport, Storage and Communication	39,429	42,476	44,835	48,040	51,451	55,104	59,016	63,206	67,378	71,825	76,565	81,618	87,005	92,747	98,869	105,394	112,350	119,765	127,670	136,086	145,078
Wholesale and Retail Trade	81,045	86,403	92,796	99,199	106,044	113,361	121,182	129,544	137,835	146,656	156,042	166,029	176,655	187,431	198,884	210,995	223,866	237,521	252,010	267,383	283,693
Banking and Insurance	14,055	15,424	16,272	17,444	18,700	20,046	21,489	23,036	24,556	26,177	27,905	29,747	31,710	33,793	35,899	38,196	40,641	43,242	46,009	48,954	52,087
Ownership of Dwellings	13,623	14,112	14,620	15,176	15,752	16,351	16,972	17,617	18,251	18,908	19,589	20,294	21,025	21,782	22,566	23,378	24,220	25,092	25,995	26,931	27,901
Public Administration and Defence	42,053	45,682	48,240	51,134	54,202	57,453	60,902	64,556	68,107	71,852	75,804	79,974	84,372	88,844	93,552	98,511	103,731	109,230	115,019	121,115	127,534
Services	38,860	41,093	43,414	45,889	48,504	51,269	54,191	57,280	60,373	63,633	67,069	70,691	74,509	78,383	82,459	86,747	91,258	96,004	100,996	106,248	111,772
GDP at Factor Cost	483,210	518,912	550,966	585,926	623,265	663,157	705,780	751,337	796,239	844,003	894,822	948,904	1,006,461	1,063,552	1,123,951	1,188,036	1,255,932	1,327,965	1,406,321	1,485,290	1,571,158
Net Indirect Taxes	54,327	62,306	66,116	70,311	74,792	79,579	84,694	90,160	95,849	101,280	107,375	113,868	120,775	127,626	134,874	142,564	150,714	159,356	168,759	178,155	188,539
Net Factor Income From Abroad	35,250	31,839	30,606	29,047	27,463	25,873	24,258	22,667	21,428	20,155	18,979	17,627	16,416	15,048	14,228	13,199	12,218	11,183	10,091	8,925	7,714
GNP at Market Prices	574,787	613,037	647,688	685,284	725,620	768,609	814,732	864,164	913,216	965,428	1,021,180	1,080,399	1,143,652	1,206,226	1,273,053	1,343,799	1,418,884	1,498,504	1,585,171	1,659,370	1,767,411

Source: JICA Study Team

Statistical Appendix 2-6 Summary Table of Projection for Expenditure on GNP at 1985/86 Prices

(Rs. million at 1985-86 prices)

	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Consumption Expenditure.	504,369	510,147	542,462	571,668	604,838	641,019	680,614	722,138	761,204	801,596	844,903	891,759	941,266	989,903	1041,054	1095,944	1153,847	1213,962	1278,402	1330,752	1414,189
(Of which balancing item)	0	(-)12,938	(-)10,621	(-)15,825	(-)12,380	(-)9,988	(-)7,164	(-)5,780	(-)5,140	(-)4,972	(-)3,485	(-)2,471	(-)1,312	0	0	(-)1,545	(-)3,362	(-)5,151	(-)1,236	(-)9,507	(-)12,008
Gross domestic capital formation.	81,319	92,015	102,069	109,403	118,080	127,443	136,427	146,736	157,098	168,210	180,128	192,921	206,626	220,474	235,243	251,032	267,895	285,911	305,594	325,724	347,697
Change in stocks and non-factor services	9,000	9,115	9,504	10,254	10,807	11,605	12,351	13,148	13,934	14,770	15,659	16,006	17,613	18,612	19,669	20,791	21,899	23,239	24,610	25,993	27,495
Exports of goods and non-factor services	63,075	81,580	84,811	94,980	104,467	113,869	124,117	135,288	147,464	160,736	174,399	189,874	203,040	217,253	232,461	247,803	264,138	281,593	300,178	319,990	341,109
(Less) Imports of goods and non-factor services.	118,226	111,629	121,764	130,076	140,235	151,200	163,033	175,813	187,912	200,029	212,266	226,788	241,309	255,064	269,602	284,970	301,213	317,384	334,704	352,014	370,793
Net factor income from abroad.	35,250	31,839	30,606	29,047	27,463	25,873	24,258	22,667	21,428	20,155	18,979	17,627	16,416	15,048	14,228	13,199	12,218	11,183	10,091	8,925	7,714
Expenditure on GNP at market prices.	574,787	613,057	647,688	685,284	725,520	768,609	814,732	864,164	913,216	965,438	1021,180	1080,399	1143,652	1206,226	1273,053	1343,799	1418,884	1498,504	1585,171	1659,370	1767,411

Source: JICA Study Team

Notes on Statistical Appendix 2-6

1. Expenditure on gross national product at market prices;

This aggregates are controlled, in general, by projected GDP at factor cost as well as balance of payments in the other blocks.

2. Consumption expenditure;

This item is calculated as the residuals.

3. Gross domestic fixed capital formation;

This item is projected by an assumption that marginal capital coefficient will moderately rise year by year, reflecting changes of economic structure. This assumption is reasonable after studying the comparison with some other developing countries.

4. Change in stocks;

This item is projected by an assumption, in which change in stocks/GDP at factor cost ratio will decline by 1.5% up to 1992-93. Some adjustments are carried out for the years up to 1992-93, caused by the fact that the ratio of 1985-86 is higher than 1.5% of GDP at factor cost.

5. Exports and imports of goods and non-factor services (G & NFS);

These items are transferred from Statistical Appendix 2-3 "Summary Table of Projection on balance of payments", after some adjustments for 1986-87 and 1987-88 which decrease the difference in the figures of balance of payments in 1985-86.

6. Net factor income from abroad;

This item is transferred from the balance of payments block.

Statistical Appendix 2-7 Projection on Gross Domestic Product at Factor Cost by Economic Activity (1)

(Rs. million at 1985-86 prices)

Years	Wheat			Rice			Gram			Maize			Major Crops			Minor Crops			Live Stock			Forestry	Agriculture Total																														
1985-86	25,291	7,390	2,478	2,104	14,001	6,107	2,940	60,311	13,428	5,162	18,590	20,555	15,154	35,709	3,669	391	118,670	1986-87	25,865	9,019	1,824	2,557	14,859	6,980	3,153	64,257	13,883	5,265	19,148	21,793	16,019	37,812	3,745	411	125,373																		
1987-88	27,022	9,328	1,859	2,580	14,976	7,551	3,254	66,570	14,402	5,397	19,799	23,023	16,982	40,005	3,913	427	130,714	1988-89	(4.2%)	(2.5%)	(2.6%)	(3.0%)	(3.0%)	(2.7%)	(1.5%)	(3.3%)	(4.2%)	(3.7%)	(4.1%)	(5.0%)	(5.0%)	(5.0%)	(4.5%)	(2.0%)	(4.0%)	1989-90	28,157	9,561	1,907	2,657	15,426	7,755	3,304	68,767	15,014	5,597	20,611	24,174	17,831	42,005	4,089	436	135,908
1990-91	30,572	10,045	2,008	2,819	16,362	8,179	3,395	73,380	16,316	6,019	22,335	26,652	19,659	46,311	4,465	452	146,944	1991-92	31,856	10,296	2,060	2,904	16,851	8,400	3,435	75,802	17,010	6,241	23,251	27,985	20,641	48,626	4,666	462	152,807																		
1992-93	33,194	10,554	2,114	2,991	17,351	8,627	3,472	78,303	17,733	6,472	24,205	29,384	21,674	51,058	4,876	471	158,913	1993-94	(3.3%)	(2.4%)	(2.2%)	(3.0%)	(2.8%)	(2.8%)	(1.3%)	(3.0%)	(4.7%)	(4.4%)	(4.6%)	(4.8%)	(4.7%)	(4.5%)	(3.8%)	(1.0%)	(3.8%)	1994-95	34,356	10,807	2,161	3,080	17,837	8,869	3,517	80,827	18,951	6,896	25,847	30,794	22,693	53,487	5,061	476	165,498
1995-96	35,558	11,067	2,208	3,173	18,336	9,117	3,563	83,022	19,512	7,077	26,579	32,273	23,759	56,032	5,254	480	171,238	1996-97	36,803	11,332	2,257	3,268	18,850	9,372	3,609	85,491	20,072	7,264	27,336	33,822	24,876	58,698	5,453	485	177,463																		
1997-98	38,091	11,604	2,306	3,366	19,377	9,635	3,656	88,035	21,196	7,647	28,843	35,445	26,045	61,490	5,660	490	184,518	1998-99	39,424	11,883	2,357	3,467	19,920	9,904	3,704	90,659	22,340	8,037	30,377	37,146	27,269	64,415	5,876	495	191,822																		
1999-2000	40,723	12,168	2,395	3,574	20,478	10,182	3,748	93,268	22,984	8,244	31,228	38,818	28,442	67,280	6,070	500	198,326	2000-01	42,061	12,460	2,433	3,685	21,051	10,467	3,793	95,950	23,631	8,452	32,083	40,564	29,665	70,229	6,270	505	205,037																		
2001-02	43,438	12,759	2,472	3,800	21,641	10,760	3,839	98,709	24,382	8,695	33,077	42,390	30,940	73,330	6,477	510	212,103	2002-03	44,860	13,065	2,512	3,917	22,247	11,061	3,885	101,547	25,261	8,983	34,244	44,297	32,271	76,588	6,691	515	219,565																		
2003-04	46,323	13,379	2,552	4,039	22,869	11,370	3,932	104,464	26,266	9,313	35,579	46,291	33,658	79,949	6,912	520	227,424	2004-05	47,807	13,727	2,593	4,164	23,510	11,689	3,979	107,469	27,857	9,849	37,706	48,374	35,105	83,479	7,140	525	236,319																		
2005-06	49,336	14,084	2,634	4,293	24,168	12,016	4,027	110,558	28,752	10,136	38,888	50,551	36,615	87,166	7,375	531	244,518	2006-07	50,911	14,450	2,676	4,426	24,845	12,353	4,075	113,736	30,097	10,559	40,656	52,825	38,189	91,014	7,619	536	253,561																		

Statistical Appendix 2-7 Projection on Gross Domestic Product at
Factor Cost by Economic Activity (2)

(Million Rs. at 1985-86 Prices)

Year	Crude Oil	Natural Gas	Coal	Lime Stone	Others	Mining Total
1985-86	4,364	3,999	1,176	1,079	833	11,448
1986-87	5,019	4,293	1,078	1,037	850	12,277
1987-88	5,452	4,731	1,121	1,124	893	13,321
	(5.6%)	(15.4%)	(4.3%)	(7.0%)	(13.1%)	(10.0%)
1988-89	5,757	5,460	1,169	1,203	1,064	14,553
1989-90	6,080	6,300	1,219	1,287	1,232	16,188
1990-91	6,420	7,271	1,272	1,377	1,390	17,730
1991-92	6,780	8,390	1,327	1,473	1,533	19,303
1992-93	7,159	9,682	1,384	1,576	1,653	21,454
	(5.6%)	(10.5%)	(6.0%)	(6.5%)	(5.0%)	(8.0%)
1993-94	7,560	10,713	1,467	1,678	1,752	23,170
1994-95	7,983	11,858	1,555	1,788	1,840	25,024
1995-96	8,430	13,112	1,648	1,904	1,932	27,026
1996-97	8,902	14,484	1,747	2,027	2,028	29,188
1997-98	9,401	15,982	1,851	2,159	2,130	31,923
	(7.1%)	(6.1%)	(9.5%)	(6.3%)	(4.0%)	(6.5%)
1998-99	10,068	16,967	2,027	2,295	2,215	33,572
1999-2000	10,783	18,008	2,219	2,440	2,304	35,754
2000-01	11,549	19,119	2,430	2,593	2,396	38,087
2001-02	12,369	20,274	2,661	2,757	2,492	40,553
2002-03	13,247	21,507	2,914	2,930	2,591	43,189
2003-04	14,188	22,809	3,191	3,114	2,695	45,997
2004-05	15,195	24,183	3,484	3,311	2,803	48,986
2005-06	16,274	25,635	3,826	3,520	2,915	52,170

Statistical Appendix 2-7 Projection on Gross Domestic Project at Factor Cost by Economic Activity (3)

(Rs. million at 1985-86 prices)

	Large Scale						Small Scale						Total				
	Foods	Tabacco	Textiles	Apparels	Hood & Papers	Chemicals	Non-Metallic Mineral Products	Metal and Metal Products	Machinery & Equipment	Total	Foods	Textiles & Apparels		Hood & Furniture/Machinery	Others	Total	
1985-86	12519	950	8977	2421	1756	14110	2888	9873	7040	60534	7705	5090	2291	2359	5691	23136	83670
1986-87	13315	977	9993	2395	1790	15076	3063	10598	7382	64589	8111	5286	2540	2540	6132	25309	89898
1987-88	13988	1022	10448	2469	1934	16076	3249	12195	8052	69433	10063	5487	2811	2730	6597	27688	97121
	(6.9%)	(5.5%)	(6.0%)	(5.0%)	(11.9%)	(8.7%)	(7.5%)	(8.4%)	(12.8%)	(8.3%)	(9.0%)	(9.8%)	(9.4%)	(7.2%)	(7.4%)	(8.5%)	(8.2%)
1988-89	14952	1058	11075	2492	2098	17475	3493	13658	9313	75715	11230	5700	3081	2492	7098	30041	105216
1989-90	15985	1095	11739	2722	2277	18995	3755	15024	9800	81392	12524	5918	3374	3147	7632	32595	113987
1990-91	17088	1133	12444	2858	2550	20647	4036	16226	11141	88123	13958	6140	3693	3375	8200	35366	123439
1991-92	18267	1173	13190	3001	2932	22444	4339	17200	12865	95411	15545	6366	4039	3617	8805	38372	133783
1992-93	19527	1214	13982	3151	3402	24396	4664	18232	14733	103301	17300	6596	4415	3874	9448	41633	144594
	(6.5%)	(3.0%)	(5.6%)	(5.0%)	(8.0%)	(7.3%)	(7.1%)	(6.0%)	(10.0%)	(7.5%)	(8.7%)	(3.8%)	(7.7%)	(6.8%)	(7.3%)	(7.4%)	(7.5%)
1993-94	20796	1250	14765	3309	3674	26372	4995	19144	16206	110511	18823	6847	4759	4137	10148	44714	155225
1994-95	22148	1288	15725	3474	6613	27685	5350	19601	17527	119411	20474	7105	5130	4418	10896	48023	167434
1995-96	23588	1327	16605	3648	7143	29972	5730	21106	19610	128729	22519	7309	5478	4675	11595	51576	180305
1996-97	25121	1366	17535	3830	7714	32220	6136	22689	21571	136182	24205	7648	5953	5033	12554	55393	193575
1997-98	26754	1407	18517	4022	8331	34636	6572	24450	23728	148417	26309	7931	6412	5371	13469	59492	207909
	(5.5%)	(4.5%)	(4.8%)	(4.5%)	(7.0%)	(7.0%)	(6.7%)	(6.9%)	(8.4%)	(6.6%)	(7.0%)	(3.7%)	(6.5%)	(6.2%)	(7.2%)	(6.5%)	(6.8%)
1998-99	28223	1442	19406	4203	8914	37061	7012	26406	25721	158390	28137	8226	6830	5705	14441	63359	221747
1999-2000	29778	1478	20337	4392	9538	39655	7482	28518	27882	169060	30129	8593	7274	6059	15482	67477	236537
2000-01	31416	1515	21313	4590	10206	42431	7983	30657	30224	180335	32237	8850	7747	6434	16595	71863	252198
2001-02	33144	1553	22336	4796	10920	45401	8518	32803	32763	192234	34488	9177	8249	6833	17787	76534	268768
2002-03	34996	1592	23409	5012	11685	48579	9099	34936	35515	204813	36892	9515	8784	7255	19063	81509	286322
2003-04	36890	1632	24532	5238	12503	52479	9698	37532	36998	219502	39461	9865	9351	7702	20428	86807	306869
2004-05	38918	1672	25710	5473	13378	55618	10348	39254	41732	232103	42203	10227	9955	8176	21889	92450	324553
2005-06	41059	1714	26944	5720	14313	59511	11041	41609	45237	247146	45133	10601	10597	8678	23450	98459	345607

Statistical Appendix 3-1 Estimated Weight of Each Province by Economic Activity in 1985-86 (basis year)

	Punjab	Sind	NWFP	Baluchistan
1. Agriculture:	61.5	19.8	12.0	6.7
a) Major Crops	70.1	20.0	7.3	2.6
Wheat	74.9	15.6	6.5	3.0
Rice	50.6	36.7	3.9	8.8
Gram	75.1	13.0	9.2	2.7
Maiz	41.1	1.0	57.5	0.4
Cotton	79.7	20.3	0.0	0.0
Sugar Cane	60.1	27.0	12.8	0.1
Other Major Crops	70.1	20.0	12.0	6.7
b) Minor Crops	61.2	11.3	16.5	11.0
Fruits & Vegetables	59.4	9.0	20.1	11.0
Others	66.0	17.1	7.3	9.6
c) Livestock	52.9	18.7	18.7	9.7
Milk	61.8	18.6	15.4	4.2
Meat and Others	40.8	18.9	23.2	17.1
d) Fishing	6.4	70.0	0.3	23.3
e) Forestry	41.8	12.7	43.7	1.8
2. Mining and quarrying	31.4	30.6	2.1	35.9
Crude Oil	56.0	44.0	0.0	0.0
Natural Gas	6.55	20.35	0.0	73.1
Coal	20.4	22.4	1.4	55.8
Lime Stone	41.9	44.6	12.8	0.7
Others	23.8	2.5	11.0	62.7
3. Manufacturing	44.5	48.7	5.7	1.1
a) Large Scale	40.2	52.9	5.8	1.1
Foods	51.8	38.7	8.5	1.0
Tobacco	29.1	30.5	39.7	0.7
Textiles	44.8	50.5	3.9	0.8
Apparels	31.6	66.9	1.5	0.0
Wood and Papers	44.1	31.5	22.5	1.9
Chemicals	42.2	53.1	2.2	2.5
Non-mineral products	50.0	29.2	20.4	0.4
Metal and metal products	22.1	77.4	0.5	0.0
Machinery & Equipments	34.5	59.3	5.2	1.0
b) Small Scale	55.8	37.8	5.4	1.0
Foods	21.7	73.2	2.7	2.4
Textiles & Apparels	79.1	14.5	5.5	0.9
Woods and furnitures	66.7	25.2	8.1	0.0
Metal products & Machinery	70.6	23.5	5.9	0.0
Others	70.7	21.5	7.7	0.1
4. Construction	60.1	18.2	17.2	4.5
5. Electricity & Gas distribution	41.4	34.9	22.0	1.7
Generation	27.9	37.8	33.8	0.5
Consumption	54.9	32.0	10.3	2.8
6. Transport, storage & communication	47.2	35.5	11.1	6.2
Business	54.1	30.0	10.1	5.8
Consumption	42.6	39.2	11.8	6.4
7. Wholesale and retail trade	52.7	30.2	12.1	5.0
Wholesale	50.0	39.4	7.7	2.9
Retail trade	53.8	26.6	13.8	5.8
8. Banking & Insurance	47.7	43.2	6.6	2.5
9. Ownership of dwellings	55.7	34.7	6.9	2.7
10. Public Administration and defence	59.2	23.3	14.1	3.4
11. Services	56.9	25.8	13.2	4.1

Source: JICA Study Team

Original sources and notes for Statistical Appendix 3-1.

- 1) Source: For Pakistan; FBS, National Accounts of Pakistan 1983-84 to 1986-87
For regional allocation; Min. of FAC, Agriculture Statistics of Pakistan and supplied data by PDD
Note: Estimated weights for province are calculated by production in 1985-86.
- 2) Source: For Pakistan; FBS, National Accounts of Pakistan 1983-84 to 1986-87 and Census of mining industries 1980-81
For regional allocation; FBS, Pakistan statistical yearbook 1986
- 3) Source: For large-scale; FBS, Census of manufacturing industries 1981-82, and Pakistan statistical yearbook 1986
For small scale; FBS, Survey of small and household manufacturing industries 1983-84
Note: Weight for the Pakistan Steel Mills Corp. is added to metal and metal products based on data of the Corporation. Weights for Pakistan are adjusted to 1985-86 weight using average growth rates in sources data and industrial production indices, so that weights of each industry are different from original ones.
- 4) Source: FBS, Labour Force Survey, 1985-86 and 1981 Census Report of each provinces
- 5) Source: FBS, Census of electricity undertakings 1984-85
Note: Allocation by province is estimated by the average of electricity generation and consumption of electricity.
- 6) Sources: For Pakistan; FBS, National Accounts of Pakistan 1983-84 to 1986-87
For Provinces; FBS, Labour Force Survey 1985-86, and 1981 Census Report of each provinces
- 7) Source: FBS, National Accounts of Pakistan 1983-84 to 1986-87 and survey of wholesale and retail trade and restaurants 1975-76
- 8) Source: FBS, Labour Force Survey 1985-86
- 9) Source: FBS, 1981 Census Report of each provinces (urban population of 10 years and above)
- 10) Source: FBS, 1981 Census Report of each province (working population in public administration)
- 11) Source: FBS, Labour Force Survey 1985-86

Statistical Appendix 3-2 Projected GRP by Commodity Group (1)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
<u>Agriculture</u>	1985-86	72,967	23,477	14,305	7,921	118,670
<u>Total</u>	1987-88	79,451	26,419	15,997	8,847	130,714
	1992-93	94,762	32,828	19,921	11,402	158,913
	1997-98	112,211	40,332	24,719	14,560	191,822
	2005-06	145,716	54,106	33,629	20,110	253,561
<u>Major Crops</u>	1985-86	42,300	12,080	4,365	1,566	60,311
	1987-88	45,717	13,947	5,023	1,883	66,570
	1992-93	52,666	17,136	6,013	2,488	78,303
	1997-98	59,587	20,767	7,116	3,189	90,659
	2005-06	72,969	27,228	9,157	4,382	113,736
<u>Wheat</u>	1985-86	18,943	3,945	1,644	759	25,291
	1987-88	19,996	4,378	1,794	854	27,022
	1992-93	23,817	5,875	2,320	1,182	33,194
	1997-98	27,400	7,569	2,894	1,561	39,424
	2005-06	34,238	10,538	3,915	2,220	50,911
<u>Rice</u>	1985-86	3,740	2,712	288	650	7,390
	1987-88	4,664	3,423	375	866	9,328
	1992-93	5,119	3,873	456	1,106	10,554
	1997-98	5,585	4,361	550	1,387	11,883
	2005-06	6,575	5,303	711	1,861	14,450
<u>Gram</u>	1985-86	1,861	322	228	67	2,478
	1987-88	1,396	242	171	50	1,859
	1992-93	1,588	275	194	57	2,114
	1997-98	1,770	306	217	64	2,357
	2005-06	2,010	348	246	72	2,676

(to be continued)

Statistical Appendix 3-2 Projected GRP by Commodity Group (2)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
Maiz	1985-86	865	21	1,210	8	2,104
	1987-88	1,050	26	1,494	10	2,580
	1992-93	1,187	30	1,762	12	2,991
	1997-98	1,342	35	2,076	14	3,467
	2005-06	1,669	44	2,695	18	4,426
Cotton	1985-86	11,159	2,842	0	0	14,001
	1987-88	11,876	3,100	0	0	14,976
	1992-93	13,586	3,765	0	0	17,351
	1997-98	15,398	4,522	0	0	19,920
	2005-06	18,957	5,888	0	0	24,845
Sugar Cane	1985-86	3,670	1,649	782	6	6,107
	1987-88	4,500	2,096	944	11	7,551
	1992-93	5,034	2,558	1,014	21	8,627
	1997-98	5,655	3,126	1,090	33	9,904
	2005-06	6,899	4,133	1,266	55	12,353
Others	1985-86	2,062	589	213	76	2,940
	1987-88	2,235	682	245	92	3,254
	1992-93	2,335	760	267	110	3,472
	1997-98	2,327	848	289	130	3,704
	2005-06	2,621	974	324	156	4,075
Minor Crops	1985-86	11,383	2,092	3,076	2,039	18,590
	1987-88	12,117	2,219	3,289	2,174	19,799
	1992-93	14,451	2,792	4,125	2,837	24,205
	1997-98	17,681	3,608	5,300	3,788	30,377
	2005-06	23,371	4,876	7,182	5,227	40,656

(to be continued)

Statistical Appendix 3-2 Projected GRP by Commodity Group (3)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
Fruits and Vegetable	1985-86	7,976	1,209	2,699	1,544	13,428
	1987-88	8,555	1,296	2,895	1,656	14,402
	1992-93	10,179	1,685	3,653	2,216	17,733
	1997-98	12,377	2,234	4,713	3,016	22,340
	2005-06	16,403	3,070	6,411	4,213	30,097
Others	1985-86	3,407	883	377	495	5,126
	1987-88	3,562	923	394	518	5,397
	1992-93	4,272	1,107	472	621	6,472
	1997-98	5,304	1,374	587	772	8,037
	2005-06	6,968	1,806	771	1,014	10,559
Livestock	1985-86	18,886	6,687	6,682	3,454	35,709
	1987-88	21,157	7,491	7,486	3,871	40,005
	1992-93	27,001	9,563	9,553	4,941	51,058
	1997-98	34,082	12,063	12,046	6,224	64,415
	2005-06	48,227	17,043	16,995	8,749	91,014
Milk	1985-86	12,703	3,823	3,166	863	20,555
	1987-88	14,228	4,282	3,546	967	23,023
	1992-93	18,159	5,466	4,525	1,234	29,384
	1997-98	22,956	6,909	5,720	1,561	37,146
	2005-06	32,646	9,825	8,135	2,219	52,825
Meat and Others	1985-86	6,183	2,864	3,516	5,219	15,154
	1987-88	6,929	3,209	3,940	2,904	16,982
	1992-93	8,842	4,097	5,028	3,707	21,674
	1997-98	11,126	5,154	6,326	4,663	27,269
	2005-06	15,581	7,218	8,860	6,530	38,189

(to be continued)

Statistical Appendix 3-2 Projected GRP by Commodity Group (4)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
Fishing	1985-86	235	2,568	11	855	3,669
	1987-88	282	2,708	12	911	3,913
	1992-93	449	3,277	24	1,126	4,876
	1997-98	658	3,831	41	1,346	5,876
	2005-06	930	4,891	61	1,737	7,619
Forestry	1985-86	163	50	171	7	391
	1987-88	178	54	187	8	427
	1992-93	195	60	206	10	471
	1997-98	203	63	216	13	495
	2005-06	219	68	234	15	536
Mining and Quarrying	1985-86	3,596	3,499	246	4,107	11,448
	1987-88	3,990	4,516	258	4,557	13,321
	1992-93	5,327	8,220	413	7,494	21,454
	1997-98	6,698	12,884	570	11,371	31,523
	2005-06	10,745	22,972	900	17,553	52,170
Crude Oil	1985-86	2,444	1,920	0	0	4,364
	1987-88	2,781	2,671	0	0	5,452
	1992-93	3,464	3,695	0	0	7,159
	1997-98	4,361	5,040	0	0	9,401
	2005-06	7,110	9,164	0	0	16,274
Natural Gas	1985-86	262	813	0	2,921	3,996
	1987-88	296	1,071	0	3,364	4,731
	1992-93	526	3,355	0	5,801	9,682
	1997-98	547	6,092	0	9,343	15,982
	2005-06	873	9,812	0	14,950	25,635

(to be continued)

Statistical Appendix 3-2 Projected GRP by Commodity Group (5)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
Coal	1985-86	240	264	16	656	1,176
	1987-88	229	251	16	625	1,121
	1992-93	237	488	14	645	1,384
	1997-98	249	908	17	677	1,851
	2005-06	276	2,776	23	751	3,826
Lime Stone	1985-86	452	481	138	8	1,079
	1987-88	471	501	144	8	1,124
	1992-93	707	640	218	11	1,576
	1997-98	1,035	790	319	15	2,159
	2005-06	1,792	1,147	556	25	3,520
Other Minings	1985-86	198	21	92	522	833
	1987-88	213	22	98	560	893
	1992-93	393	42	181	1,037	1,653
	1997-98	506	54	234	1,336	2,130
	2005-06	694	73	321	1,827	2,915
Manufacturing	1985-86	37,247	40,727	4,787	909	83,670
	1987-88	42,606	47,945	5,492	1,078	97,121
	1992-93	62,931	72,223	8,013	1,767	144,934
	1997-98	89,937	102,574	12,388	3,010	207,909
	2005-06	147,906	171,312	20,625	5,764	345,607
Large-scale	1985-86	24,332	31,994	3,536	672	60,534
	1987-88	27,616	37,015	4,021	781	69,433
	1992-93	41,220	55,028	5,816	1,237	103,301
	1997-98	59,206	77,844	9,211	2,156	148,417
	2005-06	96,980	130,720	15,241	4,207	247,148

(to be continued)

Statistical Appendix 3-2 Projected GRP by Commodity Group (6)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
Foods	1985-86	6,485	4,845	1,064	125	12,519
	1987-88	7,260	5,371	1,203	154	13,988
	1992-93	10,154	7,440	1,699	234	19,527
	1997-98	13,939	10,113	2,354	348	26,754
	2005-06	21,433	15,397	3,654	575	41,059
Tobacco	1985-86	276	290	377	7	950
	1987-88	297	312	406	7	1,022
	1992-93	351	370	484	9	1,214
	1997-98	404	428	564	11	1,407
	2005-06	489	519	691	15	1,714
Textile	1985-86	4,022	4,533	350	72	8,977
	1987-88	4,681	5,276	407	84	10,448
	1992-93	6,264	7,047	545	126	13,982
	1997-98	8,277	9,314	741	185	18,517
	2005-06	12,017	13,526	1,105	296	26,944
Apparels	1985-86	765	1,620	36	0	2,421
	1987-88	780	1,652	37	0	2,469
	1992-93	996	2,108	47	0	3,151
	1997-98	1,271	2,691	60	0	4,022
	2005-06	1,807	3,827	86	0	5,720
Woods and Papers	1985-86	775	553	395	33	1,756
	1987-88	854	607	436	37	1,934
	1992-93	1,910	835	606	51	3,402
	1997-98	4,677	2,045	1,484	125	8,331
	2005-06	8,035	3,513	2,550	215	14,313

(to be continued)

Statistical Appendix 3-2 Projected GRP by Commodity Group (7)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
Chemicals	1985-86	5,954	7,493	310	353	14,110
	1987-88	6,784	8,504	386	402	16,076
	1992-93	10,295	12,857	610	634	24,396
	1997-98	14,616	18,184	901	935	34,636
	2005-06	25,114	31,125	1,606	1,666	59,511
Non-metals Mineral Products	1985-86	1,444	843	589	12	2,888
	1987-88	1,621	945	666	17	3,249
	1992-93	2,323	1,352	961	28	4,664
	1997-98	3,266	1,900	1,360	46	6,572
	2005-06	5,476	3,180	2,297	88	11,041
Metal and Metal Products	1985-86	2,182	7,642	49	0	9,873
	1987-88	2,561	9,573	61	0	12,195
	1992-93	3,829	14,312	91	0	18,232
	1997-98	4,523	19,193	489	245	24,450
	2005-06	6,866	33,079	832	832	41,609
Machinery and Equipments	1985-86	2,429	4,175	366	70	7,040
	1987-88	2,778	4,775	419	80	8,052
	1992-93	5,098	8,707	773	155	14,733
	1997-98	8,233	13,976	1,258	261	23,728
	2005-06	15,743	26,554	2,420	520	45,237
Small-scale	1985-86	12,915	8,733	1,251	237	23,136
	1987-88	14,990	10,930	1,471	297	27,688
	1992-93	21,711	17,195	2,197	530	41,633
	1997-98	30,731	24,730	3,177	854	59,492
	2005-06	50,926	40,592	5,384	1,557	98,459

(to be continued)

Statistical Appendix 3-2 Projected GRP by Commodity Group (8)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
Foods	1985-86	1,672	5,640	208	185	7,705
	1987-88	2,184	7,366	272	241	10,063
	1992-93	4,152	12,197	519	432	17,300
	1997-98	6,919	17,838	868	684	26,309
	2006-06	12,908	29,381	1,625	1,219	45,133
Textiles and Apparels	1985-86	4,026	738	280	46	5,090
	1987-88	4,340	796	302	49	5,487
	1992-93	5,218	956	363	59	6,596
	1997-98	6,274	1,150	436	71	7,931
	2005-06	8,385	1,537	583	96	10,601
Woods and Furniture	1985-86	1,528	577	186	0	2,291
	1987-88	1,875	708	228	0	2,811
	1992-93	2,945	1,112	358	0	4,415
	1997-98	4,277	1,616	519	0	6,412
	2005-06	7,068	2,671	858	0	10,597
Metal Products and Machinery	1985-86	1,666	554	139	0	2,359
	1987-88	1,927	642	161	0	2,730
	1992-93	2,735	899	229	11	3,874
	1997-98	3,792	1,230	317	32	5,371
	2005-06	6,127	1,961	512	78	8,678
Others	1985-86	4,023	1,224	438	6	5,691
	1987-88	4,664	1,418	508	7	6,597
	1992-93	6,661	2,031	728	28	9,448
	1997-98	9,469	2,896	1,037	67	13,469
	2005-06	16,438	5,042	1,806	164	23,450

(to be continued)

Statistical Appendix 3-2 Projected GRP by Commodity Group (9)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
Construction	1985-86	18,283	5,537	5,232	1,369	30,421
	1987-88	21,869	6,622	6,259	1,637	36,387
	1992-93	30,181	9,558	8,851	2,684	51,274
	1997-98	41,494	13,449	12,301	4,001	71,245
	2005-06	69,296	23,162	20,714	7,422	120,594
Electricity & Gas Distribu- tion	1985-86	4,610	3,887	2,455	184	11,136
	1986-87	5,476	4,616	2,916	218	13,226
	1992-93	7,890	6,738	4,333	562	19,523
	1997-98	11,504	10,030	6,279	873	28,686
	2005-06	20,322	18,148	11,025	1,666	51,161
For Generation (1)	1985-86	1,553	2,105	1,882	28	5,568
	1987-88	1,845	2,500	2,235	33	6,613
	1992-93	2,650	3,543	3,325	244	9,762
	1997-98	3,892	5,279	4,799	373	14,343
	2005-06	6,943	9,542	8,405	691	25,581
For Consumption (2)	1985-86	3,057	1,782	573	156	5,568
	1987-88	3,631	2,116	681	185	6,613
	1992-93	5,240	3,195	1,008	318	9,761
	1997-98	7,612	4,751	1,480	500	14,343
	2005-06	13,379	8,606	2,620	975	25,580
Transport, Storage and Communication	1985-86	18,609	13,992	4,385	2,443	39,429
	1987-88	21,028	16,064	4,993	2,770	44,855
	1992-93	28,613	23,279	6,945	4,369	63,206
	1997-98	38,509	32,553	9,551	6,392	87,005
	2005-06	62,635	55,455	15,718	11,270	145,078

(to be continued)

Statistical Appendix 3-2 Projected GRP by Commodity Group (10)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
For Business (1)	1985-86	8,531	4,730	1,587	924	15,772
	1987-88	9,562	5,527	1,811	1,042	17,942
	1992-93	12,971	8,246	2,497	1,568	25,282
	1997-98	17,338	11,721	3,461	2,282	34,802
	2005-06	28,091	20,414	5,703	3,823	58,031
For Consumption (2)	1985-85	10,078	9,262	2,798	1,519	23,657
	1987-88	11,466	10,537	3,182	1,728	26,913
	1992-93	15,642	15,033	4,448	2,801	37,924
	1997-98	21,171	20,832	6,090	4,110	52,203
	2005-06	34,544	35,041	10,015	7,447	87,047
Wholesale and Retail Trade	1985-86	42,732	24,507	9,779	4,027	81,045
	1987-88	48,426	28,441	11,159	4,770	92,796
	1992-93	66,113	40,892	15,356	7,183	129,544
	1997-98	88,707	56,716	20,894	10,338	176,655
	2005-06	139,478	93,658	32,870	17,687	283,693
Wholesale	1985-86	11,541	9,102	1,790	665	23,098
	1987-88	13,125	10,781	2,055	764	26,725
	1992-93	18,562	16,331	2,877	1,092	38,863
	1997-98	25,651	23,373	4,156	1,583	54,763
	2005-06	42,117	40,586	6,823	2,674	92,200
Retail Trade	1985-86	31,191	15,405	7,989	3,362	57,947
	1987-88	35,301	17,660	9,104	4,006	66,071
	1992-93	47,551	24,561	12,479	6,090	90,681
	1997-98	63,056	33,343	16,738	8,755	121,892
	2005-06	97,361	53,072	26,047	15,013	191,493

(to be continued)

Statistical Appendix 3-2 Projected GRP by Commodity Group (11)

(Rs. million at 1985-86 prices)

		Punjab	Sind	NWFP	Baluchistan	Pakistan
Banking & Insurance	1985-86	7,086	6,417	981	371	14,855
	1987-88	7,762	7,029	1,074	407	16,272
	1992-93	11,011	9,975	1,497	553	23,036
	1997-98	15,189	13,763	2,029	729	31,710
	2005-06	25,002	22,658	3,281	1,146	52,087
Ownership of Dwellings	1985-86	7,588	4,727	940	368	13,623
	1987-88	8,143	5,073	1,009	395	14,620
	1992-93	9,596	6,251	1,217	553	17,617
	1997-98	11,318	7,548	1,453	706	21,025
	2005-06	14,790	10,173	1,914	1,024	27,901
Public Administration and Defence	1985-86	24,895	9,798	5,930	1,430	42,053
	1987-88	28,558	11,240	6,802	1,640	48,240
	1992-93	37,442	15,416	9,141	2,557	64,556
	1997-98	48,430	20,401	11,955	3,586	84,372
	2005-06	72,248	31,373	17,970	5,943	127,534
Services	1985-86	22,111	10,026	5,130	1,593	38,860
	1987-88	24,703	11,201	5,730	1,780	43,414
	1992-93	31,848	15,065	7,561	2,806	57,280
	1997-98	40,906	19,819	9,835	3,949	74,509
	2005-06	60,580	29,955	14,642	6,595	111,772

Source: JICA Study Team

Statistical Appendix 3-3(1) Estimated GRP by District - 1985/86 - (1)
 (million Rs. at 1985/86 constant prices)

Industry	311	312	611	313	314	321	322	323	324	325
1. Agriculture	1,320	1,015	635	871	2,638	3,079	4,560	6,206	3,874	2,795
1) Major Crops	883	362	49	313	1,130	2,003	2,300	3,388	2,203	1,809
-Wheat	532	294	38	278	639	644	1,069	1,736	1,152	738
-Rice	0	0	0	201	0	0	204	119	95	426
-Gram	18	1	1	8	6	1,009	374	7	51	17
-Maize	24	48	8	4	22	0	73	221	65	17
-Cotton	0	0	0	4	17	178	169	319	455	9
-Sugarcane	0	0	0	1	180	172	300	820	263	54
-Others	29	18	2	15	98	98	112	165	107	64
2) Minor Crops	97	79	20	44	696	271	976	1,278	477	706
-Fruit/Vegetable	96	70	20	44	555	225	472	819	393	684
-Others	1	9	0	1	139	46	505	459	84	22
3) Livestock	594	542	542	485	803	777	1,252	1,824	1,185	770
-Milk	364	361	361	303	567	453	812	1,070	801	565
-Meat & Others	230	181	181	182	236	324	440	454	384	204
4) Fishery	7	7	0	7	7	22	22	14	7	7
5) Forestry	19	24	24	21	24	5	10	2	2	3
2. Mining/Quarrying	46	200	23	984	47	224	1,008	103	51	58
1) Natural Gas	3	15	2	72	32	152	73	8	4	4
2) Crude Oil	32	136	16	669	32	152	685	70	35	40
3) Limestone	6	35	3	124	6	28	127	12	6	7
4) Coal	3	13	2	55	3	15	67	7	3	4
5) Others	3	11	1	54	3	12	56	6	3	3
3. Manufacturing	460	2,044	1,001	1,443	1,306	888	1,422	5,073	676	1,890
1) Large-Scale	317	1,596	918	1,255	672	671	929	3,059	337	485
-Food	0	78	174	8	195	0	432	1,708	195	32
-Tobacco	195	237	46	45	92	0	0	0	0	0
-Textile	0	0	0	100	64	114	187	924	124	2
-Apparel	0	0	0	0	77	0	7	18	4	95
-Wood & Paper	0	6	1	35	0	0	0	131	0	0
-Chemical	0	514	649	435	158	486	8	112	0	102
-Cement/Ceramic	103	377	2	618	68	71	36	71	0	0
-Metal/Metal Product	0	5	26	0	1	0	245	5	0	38
-Machinery/Equipment	20	434	22	14	81	0	14	90	4	224
2) Small-Scale	142	348	82	188	634	217	493	2,014	340	1,195
-Food	18	45	11	24	82	28	154	261	44	155
-Textile/Apparel	44	108	26	59	199	68	154	628	106	373
-Wood/Furniture	17	41	10	22	75	26	58	238	40	141
-Metal Product/Machinery	18	45	11	24	82	28	64	250	44	154
-Others	44	108	26	59	197	68	154	627	106	372
4. Construction	585	943	172	545	853	471	873	1,661	634	1,035
5. Electricity & Gas	93	168	69	322	202	71	158	702	115	155
1) Distribution	93	160	69	37	157	71	158	368	115	155
2) Generation	0	8	0	784	34	0	0	334	0	0
6. Transport & Communications	414	783	243	464	751	559	1,026	1,687	694	885
1) For Consumption	259	510	135	173	436	264	525	829	360	527
2) For Business	155	273	119	291	315	295	501	858	334	358
7. Wholesale & Retail Trade	555	3,060	160	523	1,136	582	2,255	5,130	978	2,169
1) Wholesale	0	1,610	0	0	0	0	485	1,823	0	436
2) Retail	555	1,450	160	523	1,136	582	1,771	3,307	978	1,673
8. Banking & Insurance	95	435	254	205	269	131	340	507	168	333
9. Ownership of Dwellings	137	380	68	135	273	172	469	817	248	483
10. Public Admin./Defence	465	1,793	458	527	1,062	567	1,391	2,244	957	1,155
11. Service	413	1,592	407	462	943	504	1,235	1,993	850	1,026
TOTAL	4,554	12,411	3,450	6,988	9,479	7,248	14,737	26,123	9,245	11,785
Per Capita GRP (000 Rs.)	3.65	5.23	8.41	5.54	3.81	4.52	5.16	5.26	4.08	4.01

Statistical Appendix 3-3(2) Estimated GRP by District - 1985/86 - (2)
 (million Rs. at 1985/86 constant prices)

Industry	332	333	334	335	341	342	343	344	345	351
1. Agriculture	3,315	3,196	1,082	2,512	2,200	3,567	8,313	3,529	7,284	3,005
1) Major Crops	2,020	1,819	394	1,267	1,230	2,050	5,820	2,712	4,345	2,014
-Wheat	1,031	890	232	740	1,097	1,097	2,012	40	2,272	664
-Rice	1,799	672	117	204	91	59	55	40	425	60
-Gram	17	7	3	41	126	6	6	4	15	20
-Maize	12	35	12	16	3	13	70	33	126	13
-Cotton	11	6	4	55	523	502	3,196	1,477	863	930
-Sugarcane	81	121	10	189	30	183	197	146	433	248
-Others	98	89	19	62	60	100	284	132	212	98
2) Minor Crops	478	567	354	680	116	398	842	277	1,344	355
-Fruit/Vegetable	439	461	323	571	91	259	428	147	1,022	233
-Others	38	105	31	109	25	130	414	130	323	122
3) Livestock	809	802	327	555	821	1,037	1,639	623	1,574	515
-Milk	580	573	242	305	459	1,037	1,111	428	1,104	405
-Meat & Others	229	229	85	151	362	398	528	202	471	206
4) Fishery	7	7	7	8	19	19	10	10	18	10
5) Forestry	1	1	0	1	14	13	2	1	1	1
2. Mining/Quarrying	63	108	151	35	80	55	98	32	97	37
1) Natural Gas	5	8	12	3	6	4	7	2	7	3
2) Crude Oil	43	73	109	25	54	38	67	22	66	25
3) Limestone	8	14	20	5	10	7	12	4	12	5
4) Coal	4	7	11	2	5	4	17	2	7	2
5) Others	3	6	9	2	4	3	5	2	5	2
3. Manufacturing	2,156	5,683	4,308	555	237	640	3,239	401	1,239	428
1) Large-Scale	900	4,744	2,902	115	73	306	2,325	172	484	190
-Food	109	793	228	0	1	0	673	23	381	4
-Tobacco	0	0	0	0	0	0	0	0	46	0
-Textile	52	718	151	47	55	306	306	114	1	144
-Apparel	7	42	255	3	14	0	144	32	36	24
-Wood & Paper	34	393	167	0	1	0	0	0	1	0
-Chemical	144	1,725	427	55	0	0	1,062	0	5	8
-Cement/Ceramic	5	7	12	0	0	0	0	0	0	0
-Metal/Metal Product	150	512	1,163	0	0	0	1,73	0	0	0
-Machinery/Equipment	400	554	494	10	1	0	34	3	14	10
2) Small-Scale	1,256	939	1,406	440	164	333	974	229	755	238
-Food	163	122	182	57	21	43	126	30	98	31
-Textile/Apparel	392	293	438	137	51	104	304	71	235	74
-Wood/Furniture	149	111	166	52	19	39	115	27	89	28
-Metal Product/Machinery	162	121	181	57	21	43	126	30	97	31
-Others	391	293	438	137	51	104	303	71	235	74
4. Construction	1,011	887	2,355	484	410	891	1,478	444	1,068	623
5. Electricity & Gas	126	168	680	97	53	49	456	58	175	83
1) Distribution	112	172	680	97	53	49	456	58	174	83
2) Generation	14	96	0	0	0	0	281	0	2	0
6. Transport & Communications	1,076	1,094	2,158	499	408	598	1,820	512	1,258	543
1) for Consumption	660	1,621	467	269	222	274	968	227	642	283
2) for Business	416	627	535	230	186	325	851	285	616	261
7. Wholesale & Retail Trade	3,074	1,304	9,287	954	791	1,037	4,083	783	2,381	357
1) Wholesale	993	0	4,882	0	0	0	1,212	0	0	0
2) Retail	2,081	1,304	4,405	954	791	1,037	2,872	783	2,381	357
8. Banking & Insurance	411	221	1,446	119	131	181	721	159	638	122
9. Ownership of Dwellings	509	265	927	193	208	284	777	168	467	189
10. Public Admin./Defence	1,375	1,166	3,113	757	616	863	1,849	496	1,797	823
11. Service	1,221	1,035	2,765	672	547	755	1,642	440	1,596	731
TOTAL	14,338	15,127	28,291	6,877	5,681	8,932	24,532	7,122	18,001	7,440
Per Capita GRP (000 Rs.)	4.63	6.27	6.69	3.91	2.99	3.44	5.19	4.65	4.22	4.32

Statistical Appendix 3-3(3) Estimated GRP by District - 1985/86 - (3)
(million Rs. at 1985/86 constant prices)

Industry	352	353	411	412	413	414	415	416	421	422
1. Agriculture	3,060	4,812	1,496	1,703	1,078	1,786	2,729	1,519	949	2,510
1) Major Crops	1,776	3,152	900	935	589	1,200	1,944	898	545	1,307
-Wheat	687	1,133	100	253	65	155	1,930	448	203	448
-Rice	113	77	619	12	420	963	25	13	234	70
-Jowar	17	18	134	70	69	17	8	5	11	4
-Maize	27	15	0	1	0	0	1	0	0	4
-Cotton	568	1,825	1	484	0	0	564	284	24	373
-Sugarcane	127	233	2	69	6	6	320	102	45	345
-Others	87	156	44	46	29	58	95	44	27	64
2) Minor Crops	566	783	47	119	78	232	207	207	43	561
-Fruit/Vegetable	411	204	47	90	70	52	97	29	35	381
-Others	155	579	0	29	7	23	135	178	8	181
3) Livestock	788	844	519	600	394	478	523	407	330	703
-Milk	469	537	312	316	202	357	451	345	293	315
-Meat & Others	239	307	208	285	191	121	72	62	38	386
4) Fishery	10	10	28	39	10	33	26	8	26	33
5) Forestry	0	4	1	10	8	0	4	1	5	6
2. Mining/Quarrying	37	46	0	64	0	0	0	0	1,947	430
1) Natural Gas	3	3	0	15	0	0	0	0	429	100
2) Crude Oil	25	31	0	35	0	0	0	0	1,014	236
3) Limestone	5	6	0	9	0	0	0	0	254	59
4) Coal	2	3	0	5	0	0	0	0	139	32
3) Others	2	3	0	0	0	0	0	0	11	3
3. Manufacturing	509	1,789	75	1,591	202	166	652	323	1,319	2,977
1) Large-Scale	276	1,496	14	1,233	119	60	502	210	956	2,069
-Food	209	1,241	14	210	119	42	256	131	173	794
-Tobacco	0	0	0	0	0	0	0	0	73	0
-Textile	57	114	0	5	0	2	0	0	533	346
-Apparel	10	69	0	33	0	16	233	8	45	221
-Wood & Paper	0	0	0	12	0	0	0	0	17	0
-Chemical	0	63	0	853	0	0	0	11	10	171
-Cement/Ceramic	0	0	0	60	0	0	0	60	0	301
-Metal/Metal Product	0	0	0	38	0	0	0	0	19	135
-Machinery/Equipment	0	10	0	22	0	0	13	0	05	109
2) Small-Scale	233	293	61	358	83	106	150	113	353	909
-Food	30	38	40	232	54	69	97	73	228	587
-Textile/Apparel	73	91	5	30	7	9	13	10	30	77
-Wood/Furniture	28	35	4	24	5	7	10	7	23	60
-Metal Product/Machinery	30	38	4	23	5	7	10	7	22	58
-Others	73	91	9	50	12	15	21	16	48	137
4. Construction	354	517	184	616	165	261	315	192	133	877
5. Electricity & Gas	49	61	15	135	42	64	171	84	70	572
1) Distribution	49	61	15	135	42	64	171	84	70	328
2) Generation	0	0	0	69	0	0	0	0	0	244
6. Transport & Communications	425	715	265	961	250	436	520	278	555	1,126
1) For Consumption	175	264	158	709	168	296	382	148	287	662
2) For Business	250	451	109	252	91	140	237	130	258	458
7. Wholesale & Retail Trade	892	832	354	748	256	594	561	588	533	2,344
1) Wholesale	0	0	0	0	0	0	0	0	0	373
2) Retail	892	832	354	748	256	594	561	588	533	1,771
8. Banking & Insurance	60	150	91	124	65	91	163	160	132	520
9. Ownership of Dwellings	173	235	192	198	103	199	285	180	196	538
10. Public Admin./Defence	592	831	258	489	195	397	532	319	403	1,008
11. Service	535	738	264	500	200	407	544	325	419	1,031
TOTAL	6,586	10,727	3,196	7,129	2,567	4,401	6,472	3,943	6,613	14,035
Per Capita GRP (000 Rs.)	4.18	4.99	2.59	5.59	3.87	3.44	3.53	3.40	5.24	6.08

Statistical Appendix 3-3(4) Estimated GRP by District - 1985/86 - (4)

Industry	423	424	425	426	431	431	431	112	113	114	121
1. Agriculture	1,214	2,144	1,929	327	3,492	217	588	1,331	549	154	
1) Major Crops	727	1,526	1,174	326	1	56	196	931	186	61	
-Wheat	64	696	568	12	1	17	74	145	85	3	
-Rice	177	19	16	143	0	11	70	79	31	0	
-Gram	2	1	0	1	0	0	0	0	0	0	
-Maize	1	4	8	1	0	24	42	264	21	54	
-Cotton	28	668	411	4	0	0	0	0	0	0	
-Sugarcane	419	112	157	4	0	0	0	17	39	0	
-Others	35	74	57	16	0	3	10	25	9	3	
2) Minor Crops	131	192	238	102	67	24	100	472	209	2	
-Fruit/Vegetable	105	93	106	46	55	18	77	370	195	2	
-Others	26	99	128	57	11	6	23	102	13	0	
3) Livestock	345	372	518	289	1,208	129	245	292	129	70	
-Milk	314	244	387	246	69	61	116	138	61	33	
-Meat & Others	31	128	160	43	1,139	68	129	154	68	37	
4) Fishery	10	54	85	2,216	0	0	0	0	0	0	
5) Forestry	0	0	15	0	0	8	45	35	26	20	
2) Mining/Quarrying	0	0	0	1,158	0	2	27	45	8	0	
1) Natural Gas	0	0	0	0	289	0	0	0	0	0	
2) Crude Oil	0	0	0	0	635	0	0	0	0	0	
3) Limestone	0	0	0	0	159	1	15	26	5	0	
4) Coal	0	0	0	0	87	0	2	3	1	0	
5) Others	0	0	0	0	0	7	10	17	3	0	
3) Manufacturing	885	321	740	1,624	29,851	7	55	169	33	0	
1) Large-Scale	751	142	490	1,540	23,900	0	0	81	8	0	
-Food	751	21	115	487	1,764	0	0	0	3	0	
-Tobacco	0	0	0	0	1,217	0	0	0	0	0	
-Textile	0	2	0	215	3,450	0	0	43	4	0	
-Apparel	0	36	343	0	0	0	0	0	0	0	
-Wood & Paper	0	0	15	15	508	0	0	0	0	0	
-Chemical	0	84	32	852	5,479	0	0	23	0	0	
-Cement/Ceramic	0	0	0	0	422	0	0	0	0	0	
-Metal/Metal Product	0	0	0	0	7,459	0	0	0	0	0	
-Machinery/Equipment	0	0	0	0	3,936	0	0	0	0	0	
2) Small-Scale	134	179	250	85	5,951	7	56	89	25	0	
-Food	87	116	161	55	3,843	1	9	15	4	0	
-Textile/Apparel	11	15	21	7	503	1	12	20	6	0	
-Wood/Furniture	9	12	17	6	378	1	8	13	4	0	
-Metal Product/Machinery	9	11	16	5	378	1	6	10	3	0	
-Others	19	25	35	12	834	2	19	31	9	0	
4. Construction	63	135	175	182	2,208	42	330	326	133	0	
5. Electricity & Gas	12	28	48	44	2,601	1	13	15	59	1,619	
1) Distribution	12	28	48	44	810	1	13	15	24	0	
2) Generation	0	0	0	0	1,791	0	0	0	36	1,619	
6. Transport & Communications	228	321	492	250	6,238	33	173	300	109	104	
1) for Consumption	95	150	315	87	5,287	18	113	189	63	0	
2) for Business	133	161	177	163	2,411	16	50	111	46	104	
7. Wholesale & Retail Trade	178	422	742	343	15,865	136	279	533	234	22	
1) Wholesale	0	0	0	0	8,529	0	0	0	0	0	
2) Retail	178	422	742	343	8,336	136	279	533	234	22	
8. Banking & Insurance	46	81	136	42	4,765	7	35	77	17	13	
9. Ownership of Dwellings	138	158	290	126	2,115	14	54	85	18	42	
10. Public Admin./Defence	266	249	523	207	4,945	67	186	323	126	21	
11. Service	273	255	535	312	5,051	58	151	332	109	18	
TOTAL	3,303	4,123	5,610	3,638	81,360	585	1,992	3,598	1,387	1,991	
Per Capita GRP (000 Rs.)	3.72	3.82	3.01	4.74	11.95	2.42	2.01	2.43	4.51	2.75	

Statistical Appendix 3-3(5) Estimated GRP by District - 1985/86 - (5)

Industry	122	123	131	132	133	141	142	511	512	513
1. Agriculture	827	1,014	1,634	2,290	315	1,143	1,647	1,931	1,036	235
1) Major Crops	249	240	741	504	201	353	255	6	52	48
-Wheat	89	144	190	272	126	177	175	5	43	43
-Rice	20	2	3	4	4	6	32	0	0	0
-Gram	0	1	1	1	35	80	110	0	0	0
-Maize	127	80	271	149	27	61	5	0	1	3
-Cotton	0	0	0	0	0	0	0	0	0	0
-Sugarcane	0	1	240	434	0	12	16	0	0	0
-Others	12	12	36	44	10	17	17	0	0	0
2) Minor Crops	61	83	284	580	63	767	122	750	750	109
-Fruit/Vegetable	47	62	238	518	45	248	754	87	589	52
-Others	14	21	46	62	18	28	13	35	180	57
3) Livestock	502	678	607	794	849	514	514	1,804	255	78
-Milk	232	321	288	376	260	244	244	699	54	14
-Meat & Others	264	357	320	418	289	270	270	1,105	191	64
4) Fishery	0	1	1	1	0	0	6	0	0	0
5) Forestry	15	12	0	1	2	0	5	0	0	0
2. Mining/Quarrying	0	9	67	20	48	0	0	447	218	321
1) Natural Gas	0	0	0	0	0	0	0	318	155	222
2) Crude Oil	0	0	0	0	0	0	0	0	0	0
3) Limestone	0	5	37	11	27	0	0	0	0	0
4) Coal	0	1	4	1	1	0	0	1	1	1
5) Others	0	3	25	7	18	0	0	71	35	51
3. Manufacturing	55	845	859	2,430	120	57	47	57	28	41
1) Large-Scale	27	683	673	2,019	26	13	7	335	8	0
-Food	3	23	401	606	17	3	7	71	0	0
-Tobacco	0	0	123	254	0	0	0	0	0	0
-Textile	4	122	4	155	9	9	0	17	0	0
-Apparel	0	0	0	36	0	0	0	11	0	0
-Wood & Paper	0	0	0	395	0	0	0	0	0	0
-Chemical	19	56	19	194	0	0	0	246	0	0
-Cement/Ceramic	0	376	125	87	0	0	0	0	0	0
-Metal/Metal Product	0	0	0	49	0	0	0	0	0	0
-Machinery/Equipment	0	106	1	243	0	0	0	0	0	0
2) Small-Scale	29	165	186	411	94	45	41	80	8	7
-Food	5	28	33	68	16	7	7	63	5	5
-Textile/Apparel	6	37	44	92	21	10	9	16	2	1
-Wood/Furniture	4	25	29	61	14	7	6	0	0	0
-Metal Product/Machinery	3	18	22	46	10	5	5	0	0	0
-Others	10	58	69	144	33	16	14	2	0	0
4. Construction	173	681	759	1,241	632	193	330	117	61	29
5. Electricity & Gas	16	100	147	352	21	30	24	105	10	11
1) Distribution	16	109	147	330	21	30	24	77	10	11
2) Generation	0	0	0	22	0	0	0	28	0	0
6. Transport & Communications	221	628	553	1,144	318	191	248	334	243	108
1) For Consumption	158	468	349	773	222	107	128	334	157	68
2) For Business	63	156	204	371	95	84	120	192	86	38
7. Wholesale & Retail Trade	350	859	867	4,260	485	600	547	1,573	907	153
1) Wholesale	0	0	0	1,790	0	0	0	565	0	0
2) Retail	350	859	867	2,470	485	600	547	908	907	153
8. Banking & Insurance	28	126	113	339	82	29	42	180	12	21
9. Ownership of Dwellings	56	73	98	230	51	46	43	44	29	33
10. Public Admin./Defence	287	769	462	1,841	450	366	528	483	92	114
11. Service	248	665	399	1,593	389	317	456	538	103	127
TOTAL	2,272	5,730	5,989	15,731	3,421	2,974	3,913	6,389	2,738	1,198
Per Capita GRP (000 Rs.)	1.97	4.58	3.49	5.90	3.88	3.68	5.22	13.03	5.63	2.20

Statistical Appendix 3-3(6) Estimated GRP by District - 1985/86 - (6)

Industry	514	515	521	522	523	524	531	532	533	534
1. Agriculture	231	231	279	1,410	255	102	342	366	95	566
1) Major Crops	21	6	38	1,137	25	35	66	116	7	2
-Wheat	16	0	35	1,368	22	34	63	108	7	1
-Rice	0	0	1	54	2	0	0	3	0	0
-Gram	0	0	0	67	0	0	0	0	0	0
-Maize	4	0	0	0	0	0	0	0	0	0
-Cotton	0	0	0	0	0	0	0	0	0	0
-Sugarcane	0	0	0	6	0	0	0	0	0	0
-Others	1	0	0	0	0	0	0	0	0	0
2) Minor Crops	63	106	105	55	2	2	3	6	0	0
-Fruit/Vegetable	31	100	79	126	73	8	128	116	43	35
-Others	32	7	27	126	71	7	101	93	28	31
3) Livestock	147	114	135	147	0	1	25	23	15	4
-Milk	7	0	14	147	187	58	148	134	44	102
-Meat & Others	140	114	121	140	152	51	133	127	44	95
4) Fishery	0	0	0	0	0	0	0	0	0	428
5) Forestry	0	5	0	0	0	0	1	0	1	0
2. Mining/Quarrying	808	450	198	0	529	204	794	0	6	94
1) Natural Gas	575	320	141	0	376	145	585	0	4	67
2) Crude Oil	0	0	0	0	0	0	0	0	0	0
3) Limestone	2	1	0	0	1	0	2	0	0	15
4) Coal	129	72	32	0	84	33	137	0	1	15
5) Others	103	57	25	0	67	26	101	0	1	12
3. Manufacturing	12	3	26	16	9	1	3	18	1	348
1) Large-Scale	0	0	0	3	0	0	0	0	0	334
-Food	0	0	0	0	0	0	0	0	0	52
-Tobacco	0	0	0	3	0	0	0	0	0	0
-Textile	0	0	0	0	0	0	0	0	0	61
-Apparel	0	0	0	0	0	0	0	0	0	0
-Food & Paper	0	0	0	0	0	0	0	0	0	0
-Chemical	0	0	0	0	0	0	0	0	0	32
-Cement/Ceramic	0	0	0	0	0	0	0	0	0	107
-Metal/Metal Product	0	0	0	0	0	0	0	0	0	0
-Machinery/Equipment	0	0	0	0	0	0	0	0	0	0
2) Small-Scale	12	3	26	14	9	1	3	0	0	70
-Food	6	2	21	11	7	1	2	14	1	14
-Textile/Apparel	2	1	5	3	2	0	1	3	1	11
-Wood/Furniture	0	0	0	0	0	0	0	0	0	3
-Metal Product/Machinery	0	0	0	0	0	0	0	0	0	0
-Others	0	0	1	0	0	0	0	0	0	0
4. Construction	124	113	30	62	24	1	15	108	32	29
5. Electricity & Gas	9	3	10	6	7	0	5	4	2	3
1) Distribution	9	3	10	6	7	0	5	4	2	3
2) Generation	0	0	0	0	0	0	0	0	0	0
6. Transport & Communications	182	147	84	128	109	25	143	69	23	101
1) for Consumption	57	56	50	32	55	6	69	37	14	35
2) for Business	75	51	35	95	53	20	74	32	9	66
7. Wholesale & Retail Trade	290	71	119	99	83	17	123	130	30	73
1) Wholesale	0	0	0	0	0	0	0	0	0	0
2) Retail	290	71	119	99	83	17	123	130	30	73
8. Banking & Insurance	0	10	16	21	14	0	18	17	6	10
9. Ownership of Dwellings	31	47	9	31	22	13	30	33	10	15
10. Public Admin./Defence	89	47	52	81	73	14	106	80	29	42
11. Service	100	52	55	81	81	16	118	90	33	46
TOTAL	1,856	1,136	883	1,944	1,216	392	1,698	915	267	1,327
Per Capita GRP (000 Rs.)	3.64	6.97	5.92	3.80	3.30	1.77	3.36	1.68	1.55	5.42

Statistical Appendix 3-3(7) Estimated GRP by District - 1985/86 - (7)

Industry	(million Rs. at 1985/86 constant prices)										
	541	542	543	211	212	213	214	215	216	217	
1. Agriculture	249	479	82	223	120	193	280	147	314	360	
1) Major Crops	4	1	1	59	58	46	35	18	35	31	
-Wheat	2	1	0	36	17	30	9	9	13	15	
-Rice	0	0	0	6	0	0	18	0	1	1	
-Gram	0	0	0	0	0	0	0	0	0	0	
-Maize	0	0	0	13	8	13	14	8	15	13	
-Cotton	0	0	0	0	12	2	0	0	5	0	
-Sugarcane	0	0	0	3	2	2	2	1	5	0	
-Others	0	0	0	1	0	7	52	0	22	61	
2) Minor Crops	186	19	50	1	0	6	53	0	18	47	
-Fruit/Vegetable	133	9	27	10	0	0	9	0	4	14	
-Others	53	10	23	1	0	0	9	0	4	14	
3) Livestock	58	32	32	154	82	140	152	129	257	269	
-Milk	7	0	0	77	39	66	72	61	122	127	
-Meat & Others	51	32	32	86	43	74	80	68	135	141	
4) Fishery	0	428	0	0	0	0	0	0	0	0	
5) Forestry	0	0	0	0	0	0	0	0	0	0	
2. Mining/Quarrying	0	18	21	2	2	3	1	2	4	3	
1) Natural Gas	0	13	15	0	0	0	0	0	0	0	
2) Crude Oil	0	0	0	0	0	0	0	0	0	0	
3) Limestone	0	0	0	1	1	1	0	1	2	1	
4) Coal	0	3	3	0	0	0	0	0	0	0	
5) Others	0	2	0	0	0	0	0	0	0	0	
3. Manufacturing	14	19	10	11	11	13	4	10	18	14	
1) Large-Scale	0	0	0	0	0	0	0	0	0	0	
-Food	0	0	0	0	0	0	0	0	0	0	
-Tobacco	0	0	0	0	0	0	0	0	0	0	
-Textile	0	0	0	0	0	0	0	0	0	0	
-Apparel	0	0	0	0	0	0	0	0	0	0	
-Wood & Paper	0	0	0	0	0	0	0	0	0	0	
-Chemical	0	0	0	0	0	0	0	0	0	0	
-Cement/Ceramic	0	0	0	0	0	0	0	0	0	0	
-Metal/Metal Product	0	0	0	0	0	0	0	0	0	0	
-Machinery/Equipment	0	0	0	0	0	0	0	0	0	0	
2) Small-Scale	14	19	17	11	11	13	4	10	18	14	
-Food	11	15	10	2	2	2	1	2	3	2	
-Textile/Apparel	3	4	2	2	2	3	1	2	4	3	
-Wood/Furniture	0	0	0	2	2	2	1	2	3	2	
-Metal Product/Machinery	0	0	0	1	1	1	0	1	2	2	
-Others	0	0	0	4	4	5	2	4	6	5	
4. Construction	432	55	137	47	44	55	19	43	76	57	
5. Electricity & Gas	0	8	2	5	5	6	2	5	14	6	
1) Distribution	0	8	2	5	5	6	2	5	14	6	
2) Generation	0	0	0	0	0	0	0	0	0	0	
6. Transport & Communications	411	88	77	42	34	46	28	35	66	56	
1) for Consumption	367	51	61	25	24	30	10	23	41	31	
2) for Business	44	37	16	17	11	16	18	12	25	26	
7. Wholesale & Retail Trade	169	77	72	71	68	85	28	65	115	87	
1) Wholesale	0	0	0	0	0	0	0	0	0	0	
2) Retail	169	77	72	71	68	85	28	65	115	87	
8. Banking & Insurance	22	15	8	9	8	10	3	8	14	11	
9. Ownership of Dwellings	36	8	16	14	13	17	6	13	23	17	
10. Public Admin./Defence	53	37	37	53	50	63	21	48	85	65	
11. Service	59	41	42	46	43	54	18	42	74	56	
TOTAL	1,445	345	504	533	399	545	410	418	803	732	
Per Capita GRP (000 Rs.)	2.43	6.17	1.94	2.13	1.71	1.87	4.19	1.86	2.02	2.44	

Statistical Appendix 3-3(8) Estimated GRP by District - 1985/86 - (8)

(million Rs. at 1985/86 constant prices)

Industry	218	219	220	221	Total
1. Agriculture	140	47	140	140	118,670
1) Major Crops	0	0	0	0	60,311
-Wheat	0	0	0	0	25,291
-Rice	0	0	0	0	7,390
-Gram	0	0	0	0	2,478
-Maize	0	0	0	0	2,104
-Cotton	0	0	0	0	14,001
-Sugarcane	0	0	0	0	6,107
-Others	0	0	0	0	2,940
2) Minor Crops	0	0	0	0	18,590
-Fruit/Vegetable	0	0	0	0	13,428
-Others	0	0	0	0	5,162
3) Livestock	140	47	140	140	35,709
-Milk	66	22	66	66	20,555
-Meat & Others	74	25	74	74	15,154
4) Fishery	0	0	0	0	3,669
5) Forestry	0	0	0	0	391
2. Mining/Quarrying	1	1	1	1	11,448
1) Natural Gas	0	0	0	0	8,996
2) Crude Oil	0	0	0	0	4,364
3) Limestone	0	0	0	0	1,079
4) Coal	0	0	0	0	1,128
5) Others	0	0	0	0	1,833
3. Manufacturing	4	4	3	1	83,670
1) Large-Scale	0	0	0	0	80,534
-Food	0	0	0	0	12,519
-Tobacco	0	0	0	0	950
-Textile	0	0	0	0	8,977
-Apparel	0	0	0	0	2,421
-Wood & Paper	0	0	0	0	1,756
-Chemical	0	0	0	0	14,110
-Cement/Ceramic	0	0	0	0	2,888
-Metal/Metal Product	0	0	0	0	9,873
-Machinery/Equipment	0	0	0	0	7,040
2) Small-Scale	4	4	3	1	23,136
-Food	1	1	0	0	7,705
-Textile/Apparel	1	1	1	0	5,030
-Wood/Furniture	1	1	0	0	2,991
-Metal Product/Machinery	0	0	0	0	2,359
-Others	1	1	1	0	5,991
4. Construction	16	17	12	5	30,421
5. Electricity & Gas	2	2	1	1	11,136
1) Distribution	2	2	1	1	5,568
2) Generation	0	0	0	0	5,568
6. Transport & Communications	18	13	16	11	39,429
1) For Consumption	9	9	17	3	23,857
2) For Business	10	4	9	9	15,572
7. Wholesale & Retail Trade	25	26	19	8	81,045
1) Wholesale	0	0	0	0	23,098
2) Retail	25	26	19	8	57,947
8. Banking & Insurance	3	3	2	1	14,856
9. Ownership of Dwellings	5	5	4	2	13,623
10. Public Admin./Defence	19	19	14	6	42,053
11. Service	16	17	12	5	38,860
TOTAL	249	153	223	180	485,210
Per Capita GRP (000 Rs.)	2.89	1.72	3.49	6.56	4.97

Source: JICA Study Team

Statistical Appendix 3-3(9) Projected GRP by District - 1992/93 - (1)
(million Rs. at 1985/86 constant prices)

Industry	311	312	313	314	321	322	323	324	331
1. Agriculture	1,759	1,377	1,178	3,598	3,586	5,859	8,191	5,084	3,714
1) Major Crops	750	458	389	1,460	2,082	2,781	4,362	2,767	1,696
-Wheat	668	370	350	803	810	1,243	2,193	1,449	928
-Rice	18	1	4	275	0	279	183	131	583
-Gram	32	67	7	5	861	319	6	43	1
-Maize	0	0	6	30	3	100	303	95	23
-Cotton	1	0	4	20	217	205	389	566	12
-Sugarcane	33	20	17	261	98	412	1,125	361	74
-Others	123	101	25	57	835	345	1,235	1,233	75
2) Minor Crops	122	89	56	710	287	602	1,045	607	901
-Fruit/Vegetable	1	11	1	175	58	633	1,576	105	873
-Others	850	775	773	1,148	1,111	1,790	2,179	1,694	1,101
3) Livestock	521	516	433	810	647	1,161	1,529	1,145	809
-Milk	329	259	259	337	464	629	650	549	292
-Meat & Others	14	14	14	14	14	41	27	14	14
4) Fishery	22	29	26	2	7	12	2	2	3
5) Forestry	57	256	41	1,357	68	1,494	141	79	83
2. Mining/Quarrying	7	4	134	7	34	147	14	8	8
1) Natural Gas	43	193	27	362	45	971	92	51	54
2) Crude Oil	9	39	5	180	9	198	19	10	11
3) Limestone	3	13	60	3	15	66	6	4	4
4) Coal	5	22	100	5	25	110	10	6	6
5) Others	736	3,548	2,373	2,122	1,438	2,315	8,016	1,102	2,773
3. Manufacturing	510	2,978	2,037	1,101	1,133	1,507	4,965	527	693
1) Large-Scale	0	122	12	302	12	678	2,674	305	52
-Food	0	59	59	117	0	0	0	0	0
-Tobacco	303	369	155	100	177	291	1,439	208	4
-Textile	0	0	0	9	0	9	23	6	124
-Apparel	0	14	86	14	0	0	324	0	0
-Wood & Paper	0	388	752	273	840	14	193	0	177
-Chemical	165	606	994	110	115	57	115	0	0
-Cement/Ceramic	41	910	28	171	0	429	110	0	67
-Metal/Metal Product	225	570	287	1,021	365	808	188	8	489
-Machinery/Equipment	43	109	31	195	70	155	583	575	1,880
2) Small-Scale	54	137	69	245	88	194	732	138	360
-Food	31	77	39	139	50	110	414	178	255
-Textile/Apparel	28	72	36	128	46	102	384	72	237
-Wood/Furniture	69	175	88	313	112	248	936	177	577
-Metal Product/Machinery	871	1,504	807	1,336	771	1,390	2,445	1,045	1,582
-Others	149	270	121	301	121	261	879	196	246
4. Construction	149	264	137	272	121	261	561	196	246
5. Electricity & Gas	604	1,212	423	1,112	811	1,513	2,411	1,040	1,296
1) Distribution	273	761	222	550	404	783	1,143	556	754
2) Generation	231	451	200	473	407	730	1,268	484	542
6. Transport & Communications	789	4,725	281	1,540	878	3,379	7,420	1,485	3,156
1) Wholesale & Retail Trade	0	2,654	0	0	0	780	2,933	0	798
2) Retail	789	2,071	281	1,540	878	2,599	4,487	1,485	2,357
8. Banking & Insurance	136	630	293	392	199	503	694	258	473
9. Ownership of Dwellings	162	476	100	328	216	573	921	313	566
10. Public Admin./Defence	552	2,597	793	1,531	844	2,012	3,000	1,431	1,605
11. Service	554	2,209	503	1,285	718	1,711	2,552	1,218	1,365
TOTAL	6,479	18,843	9,655	13,603	9,984	21,010	36,671	13,251	16,858
Per Capita GRP (000 Rs.)	4.58	6.78	7.15	4.75	5.29	6.29	6.83	4.82	5.11

Statistical Appendix 3-3(10) Projected GRP by District - 1992/93 - (2)
(million Rs. at 1985/86 constant prices)

Industry	332	333	334	335	341	342	343	344	345	351
1. Agriculture	4,405	4,253	1,442	3,307	2,890	4,030	10,516	4,527	9,508	3,871
1) Major Crops	2,624	2,370	509	1,631	1,515	2,518	7,186	3,357	5,313	2,508
-Wheat	1,258	1,118	291	930	605	1,379	2,590	1,107	2,855	835
-Rice	1,094	920	160	279	125	81	75	54	582	55
-Gram	14	6	0	3	35	107	75	3	13	17
-Maize	17	47	17	21	5	17	97	45	174	18
-Cotton	13	7	4	56	637	611	3,891	1,799	1,050	1,133
-Sugarcane	112	156	14	259	42	210	271	200	594	111
-Others	116	105	23	72	67	112	319	149	244	111
2) Minor Crops	609	721	451	865	147	505	1,066	351	1,709	450
-Fruit/Vegetable	560	589	412	728	116	343	547	187	1,304	297
-Others	48	132	38	137	31	163	519	163	405	153
3) Livestock	1,157	1,147	468	794	1,173	1,554	2,251	900	2,251	879
-Milk	829	819	346	579	670	1,028	1,588	511	1,578	585
-Meat & Others	328	328	122	216	503	526	288	288	673	295
4) Fishery	14	14	14	16	37	37	18	18	34	18
5) Forestry	1	1	0	17	17	15	3	1	1	14
2) Mining/Quarrying	98	166	263	55	132	92	154	51	158	60
1) Natural Gas	10	16	25	5	13	9	15	5	16	6
2) Crude Oil	64	108	171	37	86	60	100	33	102	39
3) Limestone	13	22	35	7	18	12	20	7	21	8
4) Coal	4	7	12	3	6	4	7	2	7	3
5) Others	7	12	19	4	10	7	11	4	12	4
3) Manufacturing	3,378	10,037	7,722	949	411	1,087	5,494	558	2,094	725
1) Large-Scale	1,703	8,438	5,180	193	111	477	3,800	261	745	297
-Food	170	1,241	357	0	2	0	1,053	37	595	6
-Tobacco	0	0	0	0	0	0	0	0	59	0
-Textile	82	1,118	235	73	86	477	477	177	1	225
-Apparel	8	54	332	4	19	0	188	41	46	31
-Wood & Paper	84	968	411	0	3	0	0	0	3	0
-Chemical	243	2,984	739	95	0	0	1,836	0	11	13
-Cement/Ceramic	8	11	20	0	0	0	1,118	0	0	0
-Metal/Metal Product	263	899	2,049	0	0	0	57	0	0	0
-Machinery/Equipment	829	1,162	1,037	21	2	0	72	5	28	1
2) Small-Scale	2,175	1,600	2,542	736	300	610	1,694	397	1,350	429
-Food	416	306	486	145	57	117	76	258	258	82
-Textile/Apparel	523	384	511	182	72	147	407	95	324	103
-Wood/Furniture	255	217	345	103	41	83	230	54	183	58
-Metal Product/Machinery	274	202	320	95	38	77	213	50	170	54
-Others	557	491	730	32	187	520	122	122	414	131
4) Construction	1,702	1,468	4,156	806	799	1,598	2,493	746	1,855	1,091
5) Electricity & Gas	206	198	1,238	188	98	848	1,000	101	315	150
1) Distribution	185	124	1,238	188	98	848	1,000	101	313	150
2) Generation	11	174	0	0	0	758	654	0	3	0
6) Transport & Communications	1,704	1,783	3,623	761	645	987	2,806	756	1,943	844
1) For Consumption	1,040	723	2,667	420	370	455	1,532	357	1,045	464
2) For Business	664	1,040	956	341	275	531	1,274	399	899	380
7) Wholesale & Retail Trade	4,826	1,990	14,988	1,468	1,297	1,696	6,423	1,214	3,814	1,383
1) Wholesale	1,596	0	7,852	0	0	0	1,949	0	0	0
2) Retail	3,229	1,990	7,137	1,468	1,297	1,696	4,474	1,214	3,814	1,383
8) Banking & Insurance	64	20	2,384	184	215	289	1,184	249	1,081	198
9) Ownership of Dwellings	657	356	1,249	284	284	284	1,066	217	632	254
10) Public Adm./Defence	2,102	1,752	4,970	1,148	996	1,393	737	2,838	1,309	1,309
11) Service	1,788	1,490	4,227	976	847	1,195	2,414	644	2,414	1,113
TOTAL	22,010	23,793	46,241	10,074	8,547	14,189	35,390	10,018	25,593	10,999
Per Capita GRP (000 Rs.)	5.74	8.10	8.47	4.66	3.44	4.19	6.20	5.29	4.88	4.96

Statistical Appendix 3-3(11) Projected GRP by District - 1992/93 - (3)

(million Rs. at 1985/86 constant prices)

Industry	352	353	411	412	413	414	415	416	421	422
1. AGRICULTURE	3,925	6,141	2,051	2,342	1,494	2,532	3,889	2,139	1,355	3,700
1) Major Crops	2,175	3,950	1,205	1,260	801	1,705	2,798	1,282	784	1,888
-Wheat	864	1,092	149	377	97	231	1,386	1,667	302	667
-Rice	154	106	885	17	600	1,375	36	19	334	100
-Gram	109	16	114	60	59	15	7	4	9	4
-Maize	38	20	0	1	0	0	1	0	1	5
-Cotton	740	2,222	1	641	0	0	0	748	377	92
-Sugarcane	175	320	2	107	10	9	486	159	72	535
-Others	96	175	53	56	36	76	124	57	35	84
2) Minor Crops	719	961	66	162	107	101	305	264	59	757
-Fruit/Vegetable	525	260	66	126	98	72	135	40	49	531
-Others	194	701	0	36	9	29	170	24	10	226
3) Livestock	1,012	1,207	743	859	863	684	748	582	473	1,005
-Milk	671	767	445	451	289	511	645	433	419	1,452
-Meat & Others	341	440	297	407	274	173	103	99	54	553
4) Fishery	18	18	35	45	13	43	33	10	33	43
5) Forestry	0	5	1	12	9	5	5	1	6	7
2. MINING/QUARRYING	57	73	0	145	0	0	0	0	4,260	932
1) Natural Gas	6	7	0	59	0	0	0	0	1,739	380
2) Crude Oil	37	47	0	55	0	0	0	0	1,915	419
3) Limestone	8	10	0	11	0	0	0	0	232	73
4) Coal	3	2	0	9	0	0	0	0	253	55
5) Others	4	5	0	1	0	0	0	0	22	5
3. MANUFACTURING	829	2,853	143	2,733	319	276	985	542	2,189	4,894
1) Large-Scale	429	2,338	21	2,067	182	88	724	327	1,524	3,285
-Food	328	1,942	21	322	182	65	393	202	266	1,219
-Tobacco	0	0	0	0	0	0	0	0	0	0
-Textile	89	177	0	8	0	3	0	0	829	527
-Apparel	12	89	0	43	0	21	303	10	59	283
-Wood & Paper	0	0	0	18	0	0	0	0	26	0
-Chemical	0	108	0	1,463	0	0	0	19	17	294
-Cement/Ceramic	0	0	0	96	0	0	0	96	0	483
-Metal/Metal Product	0	0	0	71	0	0	0	0	35	235
-Machinery/Equipment	0	0	0	0	0	0	0	0	0	227
2) Small-Scale	400	515	122	566	137	198	282	215	655	1,609
-Food	76	98	87	472	97	134	186	133	42	1,141
-Textile/Apparel	96	124	7	37	8	10	13	12	37	89
-Wood/Furniture	54	170	8	43	9	12	17	14	43	104
-Metal Product/Machinery	50	65	5	35	7	10	14	11	35	84
-Others	123	158	14	79	16	22	31	25	79	190
4. CONSTRUCTION	590	882	333	1,037	247	419	489	331	313	1,409
5. ELECTRICITY & GAS	85	108	728	156	66	107	281	151	123	730
1) Distribution	85	108	50	114	66	107	281	151	123	546
2) Generation	0	0	598	43	0	0	0	0	0	184
6. TRANSPORT & COMMUNICATIONS	527	1,070	467	1,498	365	646	769	455	973	1,722
1) For Consumption	273	422	260	1,090	330	434	409	234	448	980
2) For Business	354	649	207	408	335	212	360	201	524	742
7. WHOLESALE & RETAIL TRADE	1,233	1,310	579	1,140	347	883	804	890	825	3,603
1) Wholesale	0	0	0	0	0	0	0	0	0	1,029
2) Retail	1,233	1,310	579	1,140	347	883	804	890	825	2,574
8. BANKING & INSURANCE	94	238	142	180	64	127	233	240	186	723
9. OWNERSHIP OF DWELLINGS	221	308	262	253	117	242	341	236	254	654
10. PUBLIC ADMIN./DEFENCE	896	1,289	418	738	262	572	745	494	627	1,451
11. SERVICE	752	1,096	408	721	256	599	738	483	613	1,416
TOTAL	9,318	15,368	5,531	10,944	3,555	6,334	9,284	5,941	11,728	21,237
Per Capita GRP (000 Rs.)	4.82	5.70	3.37	6.93	4.86	4.20	4.35	4.02	7.39	7.78

Statistical Appendix 3-3(12) Projected GRP by District - 1992/93 - (4)

Industry	423	424	425	426	431	111	112	113	114	121
1. Agriculture	1,774	3,004	2,728	1,171	4,649	308	650	1,660	750	215
1) Major Crops	1,088	2,150	1,974	497	1	82	231	771	263	88
-Wheat	96	1,037	848	18	1	25	114	204	120	5
-Rice	253	27	23	204	0	18	111	126	49	0
-Gram	1	1	0	1	0	0	0	0	0	0
-Maize	2	6	11	2	0	36	52	384	31	79
-Cotton	38	884	545	6	0	0	0	0	0	0
-Sugarcane	650	100	173	244	0	0	0	0	0	0
-Others	48	95	174	22	0	4	13	23	51	12
2) Minor Crops	179	253	313	135	91	32	133	629	221	4
-Fruit/Vegetable	146	129	153	64	77	25	104	501	254	3
-Others	33	124	161	71	14	8	29	128	17	0
3) Livestock	493	531	740	413	1,729	184	351	418	184	100
-Milk	449	349	511	352	99	87	166	198	87	47
-Meat & Others	44	183	229	61	1,629	97	185	220	97	53
4) Fishery	13	69	0	108	2,828	0	1	1	1	0
5) Forestry	0	0	0	19	0	10	55	42	32	24
2. Mining/Quarrying	0	0	0	0	2,882	4	50	30	14	0
1) Natural Gas	0	0	0	0	1,175	4	0	0	0	0
2) Crude Oil	0	0	0	0	1,236	0	0	0	0	0
3) Limestone	0	0	0	0	224	2	26	42	8	0
4) Coal	0	0	0	0	171	0	2	3	0	0
5) Others	0	0	0	0	15	2	22	35	6	0
3. Manufacturing	1,396	562	1,190	2,660	54,333	12	109	310	59	0
1) Large-Scale	1,153	226	678	2,521	42,232	12	109	310	59	0
-Food	1,153	32	176	701	2,708	0	0	143	12	0
-Tobacco	0	0	0	0	277	0	0	0	5	0
-Textile	0	3	0	335	5,333	0	0	67	7	0
-Apparel	0	46	447	0	890	0	0	0	0	0
-Wood & Paper	0	0	0	23	768	0	0	0	0	0
-Chemical	0	145	56	1,463	9,402	0	0	45	0	0
-Cement/Ceramic	0	0	0	0	676	0	0	0	0	0
-Metal/Metal Product	0	0	0	0	13,970	0	0	0	0	0
-Machinery/Equipment	0	0	0	0	8,208	0	0	0	0	0
2) Small-Scale	244	335	511	139	12,101	12	108	166	47	0
-Food	173	239	362	98	8,584	3	25	39	11	0
-Textile/Apparel	14	19	23	8	673	2	18	27	8	0
-Wood/Furniture	16	22	33	9	783	2	11	17	5	0
-Metal Product/Machinery	13	18	27	7	633	1	11	17	5	0
-Others	29	40	80	16	1,429	4	35	55	16	0
4. Construction	104	229	325	240	4,071	73	620	589	240	0
5. Electricity & Gas	20	50	92	1,541	2,643	0	0	28	62	3,072
1) Distribution	20	50	92	68	1,548	3	25	28	45	0
2) Generation	0	0	0	1,573	1,095	0	0	0	0	0
6. Transport & Communications	352	493	809	14,272	53	300	497	177	37	3,072
1) for Consumption	143	248	533	116	9,907	29	201	324	108	198
2) for Business	210	245	276	364	4,365	24	98	172	69	198
7. Wholesale & Retail Trade	255	650	1,246	450	28,220	218	482	888	390	52
1) Wholesale	0	0	0	0	15,302	0	0	0	0	0
2) Retail	255	650	1,246	450	13,918	218	482	888	390	52
8. Banking & Insurance	55	130	218	54	7,603	11	58	125	28	29
9. Ownership of Dwellings	172	215	407	141	2,952	15	71	117	24	81
10. Public Admin./Defence	393	390	870	276	3,180	106	319	631	208	48
11. Service	384	372	850	269	7,993	88	264	522	172	40
TOTAL	4,927	6,077	8,735	7,395	138,802	894	3,134	5,649	2,115	3,735
Per Capita GRP (000 Rs.)	4.57	4.49	3.43	8.37	15.02	3.02	2.51	2.99	5.46	2.86

Statistical Appendix 3-3(13) Projected GRP by District - 1992/93 - (5)

Industry	122	123	131	132	133	141	142	511	512	513
1. Agriculture	1,177	1,437	2,276	3,142	1,136	1,558	2,230	2,757	1,488	332
1) Major Crops	359	341	1,224	1,224	1,525	1,439	439	9	80	74
-Wheat	125	203	268	384	177	249	247	9	76	67
-Rice	32	4	5	6	2	10	51	0	0	0
-Grain	0	1	1	1	30	68	94	0	0	0
-Maize	185	117	394	1	34	89	7	0	1	4
-Cotton	0	0	0	0	0	0	0	0	0	0
-Sugarcane	0	1	312	563	2	16	21	0	0	0
-Others	16	15	46	54	12	20	19	0	0	0
2) Minor Crops	81	111	380	778	84	371	1,037	168	1,042	146
-Fruit/Vegetable	64	84	322	701	61	335	1,020	124	817	75
-Others	18	27	58	77	23	35	16	44	226	71
3) Livestock	718	969	568	1,136	786	735	735	2,580	364	111
-Milk	340	459	411	538	372	348	348	999	92	20
-Meat & Others	378	510	457	598	413	387	387	1,581	272	91
4) Fishery	1	1	3	2	1	1	13	0	0	0
5) Forestry	18	15	0	1	2	0	6	0	0	0
2) Mining/Quarrying	0	14	110	35	83	0	0	760	370	621
1) Natural Gas	0	0	0	0	0	0	0	589	286	480
2) Crude Oil	0	0	0	0	0	0	0	0	0	0
3) Limestone	0	7	58	18	44	0	0	1	1	1
4) Coal	0	0	4	1	3	0	0	65	32	53
5) Others	0	6	48	15	36	0	0	105	51	86
3) Manufacturing	94	1,434	1,398	4,075	213	98	86	778	17	17
1) Large-Scale	49	1,175	1,046	3,315	42	20	11	603	0	0
-Food	6	37	640	967	28	6	11	133	0	0
-Tobacco	0	0	158	326	0	0	0	9	0	0
-Textile	7	189	7	241	14	14	0	19	0	0
-Apparel	0	0	0	47	0	0	0	0	0	0
-Wood & Paper	0	0	0	0	0	0	0	0	0	0
-Chemical	37	110	37	932	0	0	0	442	0	0
-Cement/Ceramic	0	614	205	143	0	0	0	0	0	0
-Metal/Metal Product	0	0	0	90	0	1	0	0	0	0
-Machinery/Equipment	0	225	3	514	0	0	0	0	0	0
2) Small-Scale	45	259	347	759	171	79	76	175	17	17
-Food	11	51	82	179	40	19	13	143	14	14
-Textile/Apparel	7	43	57	125	28	13	13	19	2	2
-Wood/Furniture	7	42	50	134	28	13	12	0	0	0
-Metal Product/Machinery	5	27	36	179	18	8	8	4	0	0
-Others	15	86	115	251	57	26	25	9	1	1
4. Construction	261	1,024	1,892	2,204	1,114	327	591	201	104	57
5. Electricity & Gas	25	173	264	457	39	54	46	175	19	25
1) Distribution	25	173	264	444	39	54	46	154	19	25
2) Generation	0	0	0	213	0	0	0	21	0	0
6. Transport & Communications	320	914	884	1,898	596	295	395	869	395	202
1) for Consumption	227	669	563	1,302	371	173	217	562	264	133
2) for Business	94	245	321	596	155	122	178	306	131	69
7. Wholesale & Retail Trade	487	1,191	1,359	6,920	804	936	903	2,668	1,570	380
1) Wholesale	0	0	0	2,877	0	0	0	1,093	0	0
2) Retail	487	1,191	1,359	4,043	804	936	903	1,575	1,570	380
8. Banking & Insurance	38	170	172	539	139	44	57	259	17	34
9. Ownership of Dwellings	76	83	127	310	68	60	59	61	40	51
10. Public Adm./Defence	395	1,054	716	2,980	722	585	862	821	156	219
11. Service	327	872	592	2,455	557	458	713	901	172	241
TOTAL	3,201	8,365	9,189	25,024	5,423	4,405	5,950	10,250	4,348	2,179
Per Capita GRP (000 Rs.)	2.60	5.25	4.48	7.49	4.96	4.57	6.28	15.87	6.77	2.66

Statistical Appendix 3-3(14) Projected GRP by District - 1992/93 - (6)

Industry	(million Rs. at 1985/86 constant prices)									
	514	515	521	522	523	524	531	532	533	534
1. Agriculture	327	331	400	2,213	262	150	433	535	136	761
1) Major Crops	32	10	50	1,822	39	55	103	180	11	3
-Wheat	24	9	54	873	34	52	98	167	11	2
-Rice	0	0	0	1,091	3	0	0	5	0	0
-Gram	0	0	0	57	0	0	0	0	0	0
-Maize	6	0	0	0	0	0	0	0	0	0
-Cotton	0	0	0	0	0	0	0	0	0	0
-Sugarcane	0	0	1	20	0	0	0	0	0	0
-Others	1	0	2	81	2	2	5	8	1	0
2) Minor Crops	84	151	147	181	104	12	179	162	60	49
-Fruit/Vegetable	45	143	113	181	102	10	145	134	41	44
-Others	40	8	34	0	2	2	33	28	19	5
3) Livestock	210	164	193	210	238	83	211	192	64	145
-Milk	10	0	20	10	20	10	20	10	0	10
-Meat & Others	200	164	173	200	218	73	191	182	64	136
4) Fishery	0	0	0	0	0	0	0	0	0	563
5) Forestry	0	7	0	0	0	0	1	0	1	0
2. Mining/Quarrying	1,575	827	284	0	842	347	1,623	0	10	160
1) Natural Gas	1,219	640	220	0	652	269	1,257	0	8	124
2) Crude Oil	0	0	0	0	0	0	0	0	0	0
3) Limestone	2	0	0	0	1	1	2	0	0	0
4) Coal	136	71	24	0	73	30	140	0	1	14
5) Others	218	114	39	0	117	48	225	0	1	22
3. Manufacturing	29	8	49	35	18	1	8	43	2	659
1) Large-Scale	0	0	0	5	0	0	0	0	0	629
-Food	0	0	0	5	0	0	0	0	0	96
-Tobacco	0	0	0	0	0	0	0	0	0	0
-Textile	0	0	0	0	0	0	0	0	0	107
-Apparel	0	0	0	0	0	0	0	0	0	0
-Wood & Paper	0	0	0	0	0	0	0	0	0	0
-Chemical	0	0	0	0	0	0	0	0	0	51
-Cement/Ceramic	0	0	0	0	0	0	0	0	0	192
-Metal/Metal Product	0	0	0	0	0	0	0	0	0	28
-Machinery/Equipment	0	0	0	0	0	0	0	0	0	0
2) Small-Scale	29	8	49	31	18	1	8	43	2	155
-Food	24	3	5	25	15	1	6	35	2	30
-Textile/Apparel	3	1	5	3	2	0	1	5	2	24
-Wood/Furniture	0	0	0	0	0	0	0	0	0	0
-Metal Product/Machinery	1	0	1	1	1	0	0	0	0	0
-Others	2	0	3	2	1	0	0	1	0	1
4. Construction	245	210	43	110	39	2	33	207	57	50
5. Electricity & Gas	22	6	17	12	14	0	12	10	4	229
1) Distribution	22	6	17	12	14	0	12	10	4	6
2) Generation	0	0	0	0	0	0	0	0	0	223
6. Transport & Communications	312	255	122	212	172	42	281	122	38	180
1) For Consumption	188	174	70	57	87	9	139	70	25	58
2) For Business	144	91	52	155	85	33	142	52	14	122
7. Wholesale & Retail Trade	576	134	174	179	135	29	257	252	54	126
1) Wholesale	0	0	0	0	0	0	0	0	0	0
2) Retail	576	134	174	179	135	29	257	252	54	126
8. Banking & Insurance	0	15	20	31	19	0	32	27	10	15
9. Ownership of Dwellings	48	15	10	44	29	18	50	60	15	20
10. Public Admin./Defence	174	85	75	143	116	24	216	162	52	71
11. Service	191	94	82	137	127	26	237	167	57	78
TOTAL	3,458	1,988	1,275	3,138	1,894	640	3,242	1,567	435	2,348
Per Capita GRP (000 Rs.)	4.53	8.53	7.68	4.46	4.15	2.18	4.04	1.95	1.83	7.25

Statistical Appendix 3-3(15) Projected GRP by District - 1992/93 - (7)

(million Rs. at 1985/86 constant prices)

Industry	541	542	543	211	212	213	214	215	216	217
1. Agriculture	348	636	114	319	170	274	395	210	447	509
1) Major Crops	3	2	2	34	52	65	95	26	49	44
-Wheat	3	1	1	51	23	40	43	13	18	21
-Rice	4	1	0	10	0	0	28	0	1	1
-Gram	0	0	0	0	0	0	0	0	0	0
-Maize	0	0	0	19	11	19	20	12	22	19
-Cotton	0	0	0	0	16	2	0	0	6	0
-Sugarcane	0	0	0	4	2	3	4	1	2	2
-Others	258	25	57	2	0	3	83	0	30	81
2) Minor Crops	191	13	38	0	0	9	72	0	25	64
-Fruit/Vegetable	66	13	29	2	0	0	11	0	5	18
-Others	83	45	45	234	117	200	217	184	367	384
3) Livestock	10	0	0	111	55	95	103	87	174	182
-Milk	73	45	45	123	62	105	114	97	193	202
-Meat & Others	0	0	0	0	0	0	0	0	0	0
4) Fishery	0	0	0	0	0	0	0	0	0	0
5) Forestry	0	27	47	2	2	2	1	2	6	3
2. Mining/Quarrying	0	21	37	0	0	0	0	0	0	0
1) Natural Gas	0	0	0	0	0	0	0	0	0	0
2) Crude Oil	0	0	0	1	1	2	0	1	3	2
3) Limestone	0	2	4	0	0	0	0	0	0	0
4) Coal	0	2	4	0	0	0	0	0	0	0
5) Others	39	4	7	1	1	2	3	1	2	2
3. Manufacturing	0	36	27	13	12	19	3	14	30	19
1) Large-Scale	0	0	0	0	0	0	0	0	0	0
-Food	0	0	0	0	0	0	0	0	0	0
-Tobacco	0	0	0	0	0	0	0	0	0	0
-Textile	0	0	0	0	0	0	0	0	0	0
-Apparel	0	0	0	0	0	0	0	0	0	0
-Wood & Paper	0	0	0	0	0	0	0	0	0	0
-Chemical	0	0	0	0	0	0	0	0	0	0
-Cement/Ceramic	0	0	0	0	0	0	0	0	0	0
-Metal/Metal Product	0	0	0	0	0	0	0	0	0	0
-Machinery/Equipment	39	36	27	13	12	19	3	14	30	19
2) Small-Scale	32	29	22	3	3	5	1	3	7	4
-Food	4	4	3	2	2	3	0	2	5	3
-Textile/Apparel	1	1	1	1	1	2	0	2	5	3
-Wood/Furniture	2	1	1	1	1	2	0	1	3	2
-Metal Product/Machinery	0	0	0	0	0	0	0	0	0	0
-Others	933	84	310	51	47	77	12	55	122	75
4. Construction	0	14	5	6	5	9	1	6	18	9
5. Electricity & Gas	0	14	5	6	5	9	1	6	14	9
1) Distribution	0	0	0	0	0	0	0	0	0	0
2) Generation	862	128	167	50	38	62	31	45	100	75
6. Transport & Communications	775	75	134	26	24	39	25	28	62	39
1) For Consumption	97	52	133	24	14	23	25	17	37	37
2) For Business	368	118	164	72	66	108	17	77	172	108
7. Wholesale & Retail Trade	0	0	0	0	0	0	0	0	0	0
1) Wholesale	368	118	164	72	66	108	17	77	172	108
2) Retail	0	0	0	0	0	0	0	0	0	0
8. Banking & Insurance	40	19	15	9	8	13	2	9	20	12
9. Ownership of Dwellings	62	10	28	12	11	18	3	13	28	18
10. Public Admin./Defence	114	55	83	53	48	80	13	56	126	79
11. Service	125	60	91	44	40	66	10	47	104	65
TOTAL	2,889	1,188	1,053	630	447	729	489	534	1,173	975
Per Capita GRP (000 Rs.)	2.95	7.42	2.34	3.52	2.57	2.55	10.87	2.63	2.58	3.43

Statistical Appendix 3-3(16) Projected GRP by District - 1992/93 - (8)

(million Rs. at 1985/96 constant prices)

Industry	218	219	220	221	Total
1. Agriculture	200	57	200	200	158,913
1) Major Crops	0	0	0	0	78,303
-Wheat	0	0	0	0	33,194
-Rice	0	0	0	0	10,554
-Gram	0	0	0	0	2,114
-Maize	0	0	0	0	2,991
-Cotton	0	0	0	0	17,351
-Sugarcane	0	0	0	0	8,627
-Others	0	0	0	0	3,472
2) Minor Crops	0	0	0	0	24,205
-Fruit/Vegetable	0	0	0	0	17,733
-Others	0	0	0	0	6,472
3) Livestock	200	57	200	200	51,058
-Milk	95	32	95	95	29,384
-Meat & Others	105	35	105	105	21,674
4) Fishery	0	0	0	0	4,876
5) Forestry	0	0	0	0	471
2. Mining/Quarrying	1	1	1	1	21,454
1) Natural Gas	0	0	0	0	9,682
2) Crude Oil	0	0	0	0	7,159
3) Limestone	1	1	1	1	1,576
4) Coal	0	0	0	0	1,384
5) Others	1	0	0	0	1,653
3. Manufacturing	6	6	5	1	144,934
1) Large-Scale	0	0	0	0	103,301
-Food	0	0	0	0	19,527
-Tobacco	0	0	0	0	1,214
-Textile	0	0	0	0	13,982
-Apparel	0	0	0	0	3,151
-Wood & Paper	0	0	0	0	3,402
-Chemical	0	0	0	0	24,396
-Cement/Ceramic	0	0	0	0	4,864
-Metal/Metal Product	0	0	0	0	18,232
-Machinery/Equipment	0	0	0	0	14,733
2) Small-Scale	6	6	5	1	41,633
-Food	2	1	1	0	17,300
-Textile/Apparel	1	1	1	0	6,596
-Wood/Furniture	1	1	1	0	4,415
-Metal Product/Machinery	1	1	1	0	3,374
-Others	2	2	2	0	9,448
4. Construction	26	25	20	5	51,274
5. Electricity & Gas	3	3	2	1	19,523
1) Distribution	3	3	2	1	9,761
2) Generation	0	0	0	0	9,762
6. Transport & Communications	28	19	24	15	63,206
1) for Consumption	13	13	10	12	37,924
2) for Business	14	6	14	12	25,282
7. Wholesale & Retail Trade	37	35	28	5	129,544
1) Wholesale	0	0	0	0	38,863
2) Retail	37	35	28	6	90,681
8. Banking & Insurance	4	4	3	1	23,036
9. Ownership of Dwellings	6	6	5	1	17,617
10. Public Admin./Defence	27	26	21	5	64,556
11. Service	22	21	17	4	57,280
TOTAL	561	212	328	239	751,337
Per Capita GRP (000 Rs.)	3.72	2.30	4.37	14.03	6.21

Source: Study Team

Statistical Appendix 3-3(17) Projected GRP by District - 1997/98 - (1)

Industry	311	312	313	314	321	322	323	324	331
(million Rs. at 1985/86 constant prices)									
1. Agriculture	2,124	1,675	1,436	4,199	4,238	6,992	9,723	6,042	4,414
1) Major Crops	858	524	71	1,548	2,347	3,142	4,945	3,140	1,905
-Wheat	769	425	55	924	932	1,546	2,512	1,667	1,067
-Rice	0	0	0	300	0	304	178	142	636
-Gram	17	1	0	6	960	356	7	48	1
-Maize	37	76	13	34	3	113	342	107	25
-Cotton	0	0	5	23	246	233	443	642	13
-Sugarcane	1	0	2	293	110	462	1,263	406	83
-Others	35	21	18	67	96	128	202	128	78
2) Minor Crops	150	123	31	69	1,080	431	1,537	741	1,095
-Fruit/Vegetable	148	109	31	68	349	822	1,270	610	1,061
-Others	2	14	1	217	72	786	715	131	35
3) Livestock	1,072	979	979	875	1,449	1,402	2,259	2,750	1,390
-Milk	659	652	548	1,024	1,468	1,468	1,933	1,448	1,023
-Meat & Others	414	326	326	425	533	792	817	690	357
4) Fishery	20	20	0	20	60	50	40	20	20
5) Forestry	23	30	30	27	7	12	2	2	3
2. Mining/Quarrying	82	373	60	1,620	437	1,876	168	102	100
1) Natural Gas	7	30	5	132	36	153	14	8	8
2) Crude Oil	53	243	39	1,055	285	1,222	109	66	65
3) Limestone	13	58	9	250	68	290	26	15	15
4) Coal	3	14	2	60	3	70	6	4	4
5) Others	6	28	5	142	33	142	13	3	3
3. Manufacturing	1,007	5,146	2,429	3,381	2,958	3,105	11,159	1,593	3,847
1) Large-Scale	700	4,351	2,170	3,011	1,852	1,960	7,140	714	1,323
-Food	0	169	17	429	0	931	3,671	418	72
-Tobacco	0	67	67	135	0	0	0	0	0
-Textile	401	488	0	132	235	384	1,901	275	5
-Apparel	0	0	0	12	0	11	30	7	158
-Wood & Paper	0	34	7	211	35	0	793	0	0
-Chemical	0	1,261	1,592	998	1,193	20	274	0	251
-Cement/Ceramic	233	853	5	1,397	154	31	151	0	0
-Metal/Metal Product	56	1,470	10	2	0	507	11	0	79
-Machinery/Equipment	307	795	260	380	1,406	519	1,125	4,013	14
2) Small-Scale	69	179	58	317	117	353	81	185	2,524
-Food	63	162	53	77	287	106	230	818	188
-Textile/Apparel	43	111	36	53	72	157	55	188	55
-Wood/Furniture	38	98	32	173	64	139	14	351	311
-Metal Product/Machinery	95	245	80	117	433	347	1,237	253	778
-Others	1,144	2,021	510	1,029	1,772	1,854	3,101	1,436	2,047
4. Construction	206	383	223	1,190	423	370	1,217	234	336
5. Electricity & Gas	206	375	223	77	380	174	370	284	336
1) Distribution	0	8	0	1,113	43	0	457	0	336
2) Generation	783	1,640	625	873	1,457	1,972	3,103	1,372	1,670
6. Transport & Communications	481	1,004	338	300	543	1,051	1,483	750	968
1) For Consumption	302	635	287	574	525	941	1,680	622	711
2) For Business	999	6,351	420	678	2,097	1,158	4,438	9,539	1,968
7. Wholesale & Retail Trade	0	3,688	0	0	0	1,077	4,053	0	1,103
1) Wholesale	999	2,683	420	878	2,097	3,351	5,486	1,968	2,941
2) Retail	178	842	694	359	518	671	875	333	610
8. Banking & Insurance	182	550	133	169	373	254	659	1,003	529
9. Ownership of Dwellings	804	3,275	1,154	849	1,882	2,933	3,573	1,847	1,950
10. Public Admin./Defence	679	2,767	975	717	1,890	2,140	3,018	1,647	1,647
11. Services	8,189	25,022	8,333	12,511	17,355	12,769	46,478	16,868	21,294
TOTAL	5,29	8,05	11,10	8,72	5,48	7,13	8,19	5,37	5,99
Per Capita GRP (000 Rs.)									

Statistical Appendix 3-3(18) Projected GRP by District - 1997/98 - (2)

Industry	332	333	334	335	341	342	343	344	345	351
1. Agriculture	5,150	5,003	1,733	3,926	3,447	5,510	12,451	5,400	11,225	4,544
1) Major Crops	2,936	2,634	573	1,843	1,715	2,860	8,154	3,806	6,244	2,842
-Wheat	1,448	1,287	335	1,070	886	1,585	2,910	1,273	3,286	961
-Rice	1,193	1,003	174	1,304	135	89	82	59	635	60
-Gram	16	17	1	3	39	120	6	4	15	19
-Maize	19	54	19	24	5	20	109	51	196	21
-Cotton	15	8	5	75	732	593	4,409	2,039	1,190	1,284
-Sugarcane	125	187	16	231	47	235	304	156	667	382
-Others	120	109	23	75	70	117	333	255	255	116
2) Minor Crops	741	880	549	1,085	180	619	1,309	431	2,088	551
-Fruit/Vegetable	682	716	501	1,411	141	417	565	228	1,585	361
-Others	60	164	48	170	39	202	645	203	502	190
3) Livestock	1,461	1,448	590	1,003	1,480	1,961	2,957	1,136	2,841	1,110
-Milk	1,048	1,036	437	731	847	1,299	2,007	773	1,894	1,739
-Meat & Others	413	413	153	271	633	662	950	363	947	371
4) Fishery	20	20	20	24	34	54	27	27	50	27
5) Forestry	1	1	0	2	18	10	3	1	1	14
2. Mining/Quarrying	128	213	352	73	179	134	201	66	210	81
1) Natural Gas	10	17	29	6	15	10	16	5	17	7
2) Crude Oil	83	139	229	47	115	81	131	43	135	53
3) Limestone	20	33	54	11	28	19	31	10	32	12
4) Coal	5	8	13	3	7	5	7	2	8	3
5) Others	10	16	27	5	14	9	15	5	16	6
3. Manufacturing	5,716	15,085	11,175	1,352	500	1,543	7,718	918	3,004	1,033
1) Large-Scale	2,588	12,812	7,403	270	150	630	5,271	347	1,015	389
-Food	234	1,704	490	0	3	0	1,448	50	818	8
-Tobacco	108	1,477	311	96	113	630	235	2	67	297
-Textile	11	69	424	5	24	0	239	53	59	39
-Apparel	205	2,371	1,007	0	7	0	0	0	7	0
-Wood & Paper	353	4,236	1,049	135	0	0	2,607	0	15	19
-Chemical	11	16	28	0	0	0	56	0	0	0
-Cement/Ceramic	311	1,052	2,420	0	0	0	166	0	0	0
-Metal/Metal Product	1,355	1,877	1,674	84	3	0	116	9	46	34
-Machinery/Equipment	3,129	2,273	3,771	1,082	450	913	2,447	371	1,389	635
-Food	704	512	549	244	101	206	531	128	448	143
-Textile/Apparel	539	464	770	221	92	186	500	117	406	130
-Wood/Furniture	435	316	525	151	53	127	341	79	277	88
-Metal Product/Machinery	386	280	455	134	56	113	302	70	245	78
-Others	964	700	1,162	333	139	281	754	176	613	196
4. Construction	2,359	2,010	5,944	1,114	1,054	2,284	3,472	1,035	2,635	1,557
5. Electricity & Gas	301	288	1,667	244	150	1,251	1,468	147	472	226
1) Distribution	285	179	1,857	244	150	138	449	147	468	226
2) Generation	16	109	0	0	0	1,113	1,020	0	4	0
6. Transport & Communications	2,321	2,469	5,141	1,013	884	1,354	3,771	987	2,519	1,143
1) Air Consumption	1,416	973	3,746	569	525	645	2,095	486	1,457	550
2) For Business	905	1,496	1,395	444	360	709	1,976	501	1,182	493
7. Wholesale & Retail Trade	6,522	2,527	20,688	1,953	1,807	2,363	8,599	1,622	5,222	1,902
1) Wholesale	2,206	0	10,850	0	0	0	2,893	0	0	0
2) Retail	4,316	2,627	9,838	1,953	1,807	2,363	5,696	1,622	5,222	1,902
8. Banking & Insurance	883	463	3,362	253	311	430	1,870	343	1,457	281
9. Ownership of Dwellings	782	395	1,533	292	352	480	1,203	558	789	311
10. Public Admin./Defence	2,735	2,253	8,572	1,486	1,352	1,887	3,711	986	3,784	1,755
11. Service	2,311	1,903	5,636	1,255	1,142	1,594	3,134	833	3,196	1,482
TOTAL	29,225	32,710	64,102	12,953	11,277	18,821	47,398	12,594	34,581	14,316
Per Capita GRP (000 Rs.)	6.50	9.76	9.85	5.22	3.77	4.62	6.96	5.76	5.37	5.42

Statistical Appendix 3-3(19) Projected GRP by District - 1997/98 - (3)
 (million Rs. at 1985/86 constant prices)

Industry	352	353	411	412	413	414	415	416	421	422
1. Agriculture	4,644	7,213	2,444	2,902	1,792	2,998	4,860	2,676	1,639	4,632
1) Major Crops	2,461	4,472	1,376	1,538	916	1,931	3,482	1,597	941	2,323
-Wheat	994	1,256	193	486	124	298	1,765	860	389	859
-Rice	168	115	996	20	676	1,548	41	21	376	112
-Gram	121	18	127	67	65	16	7	5	10	4
-Maize	43	23	0	0	0	0	0	0	0	0
-Cotton	838	2,518	1	770	0	0	898	452	39	593
-Sugarcane	196	359	3	131	12	11	606	194	88	654
-Others	101	183	56	63	37	80	142	65	28	95
2) Minor Crops	879	1,185	87	211	141	131	390	331	77	985
-Fruit/Vegetable	638	316	87	167	129	95	179	53	65	704
-Others	241	870	0	45	12	36	210	278	12	281
3) Livestock	1,278	1,523	937	1,083	710	864	945	735	597	1,257
-Milk	648	970	563	570	366	646	615	624	529	572
-Meat & Others	429	553	374	512	345	218	130	112	68	595
4) Fishery	27	27	42	57	15	50	38	11	38	50
5) Forestry	0	5	1	12	9	0	5	1	7	7
2. Mining/Quarrying	74	95	0	222	0	0	0	0	6,574	1,377
1) Natural Gas	6	8	0	105	0	0	0	0	2,109	651
2) Crude Oil	48	52	0	87	0	0	0	0	2,572	589
3) Limestone	11	15	0	14	0	0	0	0	403	84
4) Coal	3	4	0	16	0	0	0	0	483	97
5) Others	6	7	0	1	0	0	0	0	28	6
3. Manufacturing	1,155	3,952	205	3,836	421	368	1,310	751	3,018	6,649
1) Large-Scale	583	3,202	29	2,921	248	118	966	449	2,094	4,511
-Food	450	2,666	29	438	248	88	534	274	362	1,657
-Tobacco	0	0	0	0	0	0	0	0	0	0
-Textile	117	235	0	11	0	3	0	0	1,085	710
-Apparel	15	114	0	55	0	26	387	13	75	368
-Wood & Paper	0	0	0	44	0	0	0	0	64	0
-Chemical	0	154	0	0	0	0	0	0	26	24
-Cement/Ceramic	0	0	0	2,070	0	0	0	0	679	0
-Metal/Metal Product	0	0	0	135	0	0	0	0	135	0
-Machinery/Equipment	0	0	0	95	0	0	0	0	47	317
2) Small-Scale	572	749	177	915	173	250	344	302	319	364
-Food	129	169	127	560	125	180	248	218	923	2,138
-Textile/Apparel	117	153	8	43	8	12	16	14	43	99
-Wood/Furniture	80	104	12	60	11	16	22	20	60	140
-Metal Product/Machinery	71	92	9	45	9	12	17	15	46	106
-Others	176	231	21	107	20	29	40	35	108	250
4. Construction	814	1,238	482	1,428	312	597	688	466	485	1,875
5. Electricity & Gas	124	160	1,085	228	88	149	391	223	181	1,042
1) Distribution	124	160	46	165	88	149	391	223	181	1,042
2) Generation	0	0	1,040	53	0	0	0	0	0	275
6. Transport & Communications	821	1,419	639	2,011	451	822	982	586	1,377	2,276
1) For Consumption	370	581	364	1,447	280	555	520	317	601	1,258
2) For Business	451	838	276	563	171	266	472	269	776	1,018
7. Wholesale & Retail Trade	1,638	1,771	799	1,493	417	1,091	1,009	1,189	1,091	4,733
1) Wholesale	0	0	0	0	0	0	0	0	0	1,473
2) Retail	1,638	1,771	799	1,493	417	1,091	1,009	1,189	1,091	3,260
8. Banking & Insurance	129	332	196	237	101	331	281	321	280	918
9. Ownership of Dwellings	281	371	324	296	225	383	393	321	300	742
10. Public Admin./Defence	1,159	1,697	563	945	308	707	926	648	811	1,796
11. Service	379	1,433	547	918	299	687	899	627	899	1,745
TOTAL	11,798	19,581	7,286	14,516	4,312	7,814	11,709	7,766	16,494	27,784
Per Capita GRP (000 Rs.)	5.32	6.25	3.57	8.00	5.61	4.67	4.98	4.49	8.95	9.17

Statistical Appendix 3-3(20) Projected GRP by District - 1997/98 - (4)
 (million Rs. at 1985/86 constant prices)

Industry	423	424	425	426	431	111	112	113	114	121
1. Agriculture	2,179	3,744	3,418	1,426	5,603	383	1,923	2,298	941	280
1) Major Crops	1,305	2,657	2,083	585	2	98	352	921	313	104
-Wheat	123	1,336	1,092	23	1	31	129	255	150	6
-Rice	285	31	25	230	0	22	134	152	59	0
-Gram	2	1	0	1	0	0	0	0	0	0
-Maize	2	7	13	1	0	42	73	452	38	93
-Cotton	45	1,062	655	7	0	0	0	0	0	0
-Sugarcane	795	122	212	288	0	0	1	24	58	0
-Others	53	109	85	24	0	4	14	37	13	4
2) Minor Crops	235	325	402	173	0	41	170	805	362	4
-Fruit/Vegetable	194	172	202	84	120	32	134	647	341	4
-Others	41	154	199	88	18	10	36	159	21	1
3) Livestock	623	670	934	522	2,175	232	442	526	232	126
-Milk	568	441	646	445	125	110	210	250	110	60
-Meat & Others	56	230	289	77	2,050	122	232	276	122	66
4) Fishery	15	60	0	126	3,306	1	1	1	1	0
5) Forestry	0	0	0	19	0	11	58	44	33	26
2. Mining/Quarrying	0	0	0	0	4,711	5	72	113	20	0
1) Natural Gas	0	0	0	0	2,227	0	0	0	0	0
2) Crude Oil	0	0	0	0	1,843	0	0	0	0	0
3) Limestone	0	0	0	0	289	3	40	63	11	0
4) Coal	0	0	0	0	332	0	2	3	1	0
5) Others	0	0	0	0	20	2	30	47	8	0
3. Manufacturing	1,896	776	1,642	3,694	78,009	17	167	457	87	0
1) Large-Scale	1,567	311	883	3,521	60,223	0	0	208	17	0
-Food	1,567	44	239	953	3,582	0	0	0	8	0
-Tobacco	0	0	0	0	0	0	0	0	0	0
-Textile	0	3	0	442	7,049	0	0	92	9	0
-Apparel	0	59	570	0	1,137	0	0	0	0	0
-Wood & Paper	0	0	0	57	1,880	0	0	0	0	0
-Chemical	0	0	0	0	0	0	0	0	0	0
-Cement/Ceramic	0	204	79	2,069	13,297	0	0	56	0	0
-Metal/Metal Product	0	0	0	0	950	0	0	0	0	0
-Machinery/Equipment	0	0	0	0	18,734	0	0	0	0	0
2) Small-Scale	329	465	754	174	17,787	17	167	249	71	0
-Food	237	336	544	135	12,830	5	46	68	19	0
-Textile/Apparel	15	22	35	8	827	2	23	34	10	0
-Wood/Furniture	22	30	49	11	1,162	3	27	41	12	0
-Metal Product/Machinery	16	23	37	9	885	2	17	25	17	0
-Others	39	55	88	20	2,083	6	54	81	23	0
4. Construction	140	318	490	302	5,985	102	916	848	346	0
5. Electricity & Gas	29	72	143	2,434	4,037	4	42	44	122	4,434
1) Distribution	29	73	143	90	2,406	4	42	44	70	0
2) Generation	0	0	0	2,344	1,631	0	0	0	53	4,434
6. Transport & Communications	464	553	1,130	657	20,500	71	432	695	247	289
1) For Consumption	186	332	759	143	14,070	40	296	464	154	0
2) For Business	277	321	372	514	6,431	31	137	231	93	289
7. Wholesale & Retail Trade	341	858	1,750	550	41,337	292	587	1,231	540	90
1) Wholesale	0	0	0	21,901	0	0	0	0	0	0
2) Retail	341	858	1,750	550	19,436	292	587	1,231	540	90
8. Banking & Insurance	84	188	307	64	10,875	15	84	175	39	51
9. Ownership of Dwellings	198	255	512	151	3,705	22	97	142	30	124
10. Public Admin./Defence	495	490	1,194	322	11,199	139	385	855	282	82
11. Service	481	478	1,160	313	10,880	114	365	703	232	67
TOTAL	6,306	7,602	11,736	9,913	195,711	1,153	4,337	7,552	2,886	5,337
Per Capita GRP (000 Rs.)	5.19	4.99	3.74	10.72	17.33	3.49	2.89	3.44	6.27	2.82

Statistical Appendix 3-3(21) Projected GRP by District - 1997/98 - (5)
(million Rs. at 1985/86 constant prices)

Industry	122	123	131	132	133	141	142	511	512	513
1) Agriculture	1,451	1,796	2,776	3,842	1,420	1,947	2,819	3,488	1,958	428
1) Major Crops	451	415	1,189	1,404	319	542	526	12	106	97
-Wheat	155	253	334	479	221	311	308	11	100	88
-Rice	39	4	6	7	3	12	61	0	0	0
-Gram	0	1	1	1	34	75	105	0	0	0
-Maize	218	138	464	255	46	104	3	0	1	5
-Cotton	0	0	0	0	0	0	0	0	0	0
-Sugarcane	0	2	335	605	2	17	22	0	0	0
-Others	18	17	48	57	13	22	21	0	4	4
2) Minor Crops	104	141	487	1,000	107	477	1,337	224	1,393	191
-Fruit/Vegetable	82	108	416	904	78	440	1,316	169	1,112	102
-Others	22	33	72	95	29	44	281	55	281	88
3) Livestock	906	1,231	1,093	1,432	990	927	827	3,253	459	140
-Milk	430	580	1,530	680	470	440	440	1,264	116	25
-Meat & Others	476	651	563	752	520	487	487	1,989	343	114
4) Fishery	2	2	5	4	1	1	22	0	0	0
5) Forestry	18	16	0	0	1	0	7	0	0	1
2) Mining/Quarrying	0	17	151	49	116	0	0	1,092	533	980
1) Natural Gas	0	0	0	0	0	0	0	897	438	806
2) Crude Oil	0	0	0	0	0	0	0	0	0	0
3) Limestone	0	0	84	27	65	0	0	0	1	1
4) Coal	0	0	4	1	3	0	0	65	32	58
5) Others	0	7	62	20	48	0	0	128	63	115
3) Manufacturing	129	2,039	1,930	6,814	312	144	129	1,196	27	29
1) Large-Scale	71	1,705	1,438	5,679	57	30	15	921	0	0
-Food	8	51	1,340	39	39	8	15	198	0	0
-Tobacco	0	0	184	380	0	0	0	11	0	0
-Textile	9	258	9	327	19	19	0	28	0	0
-Apparel	0	0	0	60	0	0	0	0	0	0
-Wood & Paper	0	0	0	1,484	0	0	0	0	0	0
-Chemical	55	162	55	564	0	0	0	652	0	0
-Cement/Ceramic	869	289	289	202	0	0	0	0	0	0
-Metal/Metal Product	0	0	0	485	0	3	0	32	0	0
-Machinery/Equipment	0	0	4	837	0	0	0	0	0	0
2) Small-Scale	58	334	503	1,135	255	114	115	276	27	29
-Food	16	91	137	320	70	31	31	221	22	23
-Textile/Apparel	8	46	59	156	35	16	16	23	2	2
-Wood/Furniture	9	55	82	185	42	19	19	10	0	0
-Metal Product/Machinery	6	33	50	113	25	11	11	10	1	1
-Others	19	109	164	370	63	37	37	22	2	2
4) Construction	323	1,287	1,801	3,169	1,593	456	857	270	140	84
5) Electricity & Gas	34	228	394	683	60	80	71	270	30	43
1) Distribution	34	229	394	683	60	80	71	238	30	43
2) Generation	0	0	0	307	0	0	0	32	0	0
6) Transport & Communications	399	1,151	1,214	2,755	743	401	552	1,192	542	304
1) For Consumption	279	822	1,780	3,860	527	239	314	766	361	199
2) For Business	120	329	434	895	215	152	238	425	181	105
7) Wholesale & Retail Trade	562	1,420	1,835	9,756	1,108	1,257	1,262	3,763	2,181	579
1) Wholesale	0	0	0	4,155	0	0	0	1,583	0	0
2) Retail	562	1,420	1,835	5,601	1,108	1,257	1,262	2,180	2,181	579
8) Banking & Insurance	45	204	232	751	179	60	95	331	22	48
9) Ownership of Dwellings	80	87	153	377	82	73	72	105	48	68
10) Public Admin./Defence	462	1,237	939	4,031	972	742	1,177	1,105	211	325
11) Service	380	1,010	773	3,316	799	610	968	1,217	232	358
TOTAL	3,895	10,446	12,185	35,543	7,384	5,767	8,002	13,996	5,925	3,246
Per Capita GRP (000 Rs.)	3.16	7.79	5.26	9.14	5.82	5.30	7.18	18.66	7.92	3.10

Statistical Appendix 3-3(22) Projected GRP by District - 1997/98 - (6)

(million Rs. at 1985/86 constant prices)

Industry	514	515	521	522	523	524	531	532	533	534
1. Agriculture	416	432	518	2,825	495	192	641	696	175	927
1) Major Crops	41	13	78	2,315	51	72	135	237	15	3
-Wheat	32	12	71	756	45	69	129	221	14	3
-Rice	0	0	2	1,368	4	0	0	6	0	0
-Gram	0	0	0	64	0	0	0	0	0	0
-Maize	7	0	3	0	0	0	0	0	0	0
-Cotton	0	0	0	0	0	0	0	0	0	0
-Sugarcane	0	0	1	32	0	0	0	0	0	0
-Others	2	1	3	94	2	3	6	10	1	0
2) Minor Crops	110	205	196	247	142	16	239	217	79	66
-Fruit/Vegetable	61	194	154	246	139	14	198	182	55	60
-Others	49	10	3	1	3	2	41	35	24	6
3) Livestock	264	206	243	264	300	104	265	241	80	184
-Milk & Others	13	0	25	13	25	13	26	13	0	13
-Meat & Others	251	206	217	251	274	91	240	229	80	171
4) Fishery	0	0	0	0	0	0	0	0	0	573
5) Forestry	0	8	0	0	0	0	1	0	1	0
2. Mining/Quarrying	2,500	1,250	356	0	1,131	492	2,563	0	15	231
1) Natural Gas	2,054	1,035	292	0	929	404	2,188	0	12	189
2) Crude Oil	0	0	0	0	0	0	0	0	0	0
3) Limestone	3	2	0	0	1	1	4	0	0	0
4) Coal	149	75	21	0	167	29	159	0	1	14
5) Others	294	148	42	0	133	58	313	0	2	27
3. Manufacturing	50	13	67	55	27	2	14	74	4	1,275
1) Large-Scale	0	0	0	0	7	0	0	0	0	1,228
-Food	0	0	0	0	0	0	0	0	0	143
-Tobacco	0	0	0	0	0	0	0	0	0	0
-Textile	0	0	0	0	0	0	0	0	0	157
-Apparel	0	0	0	0	0	0	0	0	0	0
-Wood & Paper	0	0	0	0	0	0	0	0	0	125
-Chemical	0	0	0	0	0	0	0	0	0	283
-Cement/Ceramic	0	0	0	0	0	0	0	0	0	0
-Metal/Metal Product	0	0	0	0	0	0	0	0	0	46
-Machinery/Equipment	0	0	0	0	0	0	0	0	0	213
2) Small-Scale	50	13	57	49	27	2	14	74	4	261
-Food	40	10	53	39	22	2	11	59	3	37
-Textile/Apparel	4	1	6	4	2	0	1	6	0	4
-Wood/Furniture	0	0	0	0	0	0	0	0	0	0
-Metal Product/Machinery	2	0	3	2	1	0	1	3	0	2
-Others	4	1	5	4	2	0	1	6	0	4
4. Construction	364	299	30	150	49	3	50	302	79	67
5. Electricity & Gas	37	9	23	18	20	0	21	17	6	350
1) Distribution	37	9	23	18	20	0	21	17	6	9
2) Generation	0	0	0	0	0	0	0	0	0	341
6. Transport & Communications	480	388	152	284	227	39	445	177	53	272
1) For Consumption	233	232	84	78	111	13	217	103	34	78
2) For Business	247	156	68	206	116	47	228	74	19	192
7. Wholesale & Retail Trade	881	156	208	250	175	40	406	378	77	175
1) Wholesale	0	0	0	0	0	0	0	0	0	0
2) Retail	881	156	208	250	175	40	406	378	77	175
8. Banking & Insurance	0	21	22	41	23	0	47	38	13	19
9. Ownership of Dwellings	64	19	11	53	32	22	69	65	18	24
10. Public Admin./Defence	259	122	88	195	145	31	321	232	72	95
11. Service	285	134	97	215	160	35	365	245	80	105
TOTAL	5,336	2,892	1,592	4,037	2,484	877	5,033	2,213	592	3,540
Per Capita GRP (000 Rs.)	5.38	10.08	9.48	4.95	5.02	2.60	4.74	2.19	2.08	9.39

Statistical Appendix 3-3(23) Projected GRP by District - 1997/98 - (7)

Industry	541	542	543	211	212	213	214	215	216	217
1. Agriculture	457	766	147	399	209	343	497	263	560	641
1) Major Crops	9	2	2	102	62	79	116	31	58	53
-Wheat	4	1	2	64	29	51	53	16	22	27
-Rice	5	1	1	12	0	0	34	0	1	1
-Gram	0	0	0	0	0	0	0	0	0	0
-Maize	0	0	0	22	13	23	24	14	26	23
-Cotton	0	0	0	0	0	0	0	0	0	0
-Sugarcane	0	0	0	0	17	3	0	0	6	0
-Others	0	0	0	4	2	3	5	1	2	2
2) Minor Crops	343	33	88	2	1	11	107	0	38	104
-Fruit/Vegetable	260	17	52	0	0	11	93	0	32	82
-Others	83	16	36	2	1	0	14	0	7	22
3) Livestock	104	57	57	295	147	253	274	232	453	484
-Milk	13	0	0	140	70	120	130	110	230	230
-Meat & Others	91	57	57	155	77	133	144	122	243	254
4) Fishery	0	673	0	0	0	0	0	0	0	0
5) Forestry	0	0	0	0	0	0	0	0	0	0
2. Mining/Quarrying	0	36	83	2	2	4	0	3	7	4
1) Natural Gas	0	29	68	0	0	0	0	0	0	0
2) Crude Oil	0	0	0	0	0	0	0	0	0	0
3) Limestone	0	0	0	1	1	2	0	2	4	2
4) Coal	0	2	5	0	0	0	0	0	0	0
5) Others	0	4	10	1	0	0	0	1	3	2
3. Manufacturing	72	52	52	14	12	24	2	16	43	23
1) Large-Scale	0	0	0	0	0	0	0	0	0	0
-Food	0	0	0	0	0	0	0	0	0	0
-Tobacco	0	0	0	0	0	0	0	0	0	0
-Textile	0	0	0	0	0	0	0	0	0	0
-Apparel	0	0	0	0	0	0	0	0	0	0
-Wood & Paper	0	0	0	0	0	0	0	0	0	0
-Chemical	0	0	0	0	0	0	0	0	0	0
-Cement/Ceramic	0	0	0	0	0	0	0	0	0	0
-Metal/Metal Product	0	0	0	0	0	0	0	0	0	0
-Machinery/Equipment	0	0	0	0	0	0	0	0	0	0
2) Small-Scale	72	52	52	14	12	24	2	16	43	23
-Food	58	41	42	4	3	7	1	4	12	6
-Textile/Apparel	6	4	4	4	2	3	0	2	6	3
-Wood/Furniture	0	0	0	2	2	2	0	3	7	4
-Metal Product/Machinery	3	2	2	1	1	2	0	2	4	2
-Others	6	4	4	5	4	8	1	5	14	8
4. Construction	1,481	104	507	54	47	94	9	63	166	91
5. Electricity & Gas	0	20	10	7	5	12	1	8	26	11
1) Distribution	0	20	10	7	6	12	1	8	21	11
2) Generation	0	0	0	0	0	0	0	0	5	0
6. Transport & Communications	1,381	160	275	56	41	77	35	54	134	93
1) For Consumption	1,246	94	222	27	24	48	4	32	84	45
2) For Business	136	66	54	29	17	29	31	22	49	47
7. Wholesale & Retail Trade	600	180	277	73	63	128	12	85	225	123
1) Wholesale	0	0	0	0	0	0	0	0	0	0
2) Retail	600	180	277	73	63	128	12	85	225	123
8. Banking & Insurance	50	22	23	9	8	15	1	10	27	15
9. Ownership of Dwellings	87	11	41	10	9	18	2	12	32	18
10. Public Admin./Defence	181	68	136	52	45	92	8	61	162	88
11. Service	199	74	150	43	37	76	7	50	133	73
TOTAL	4,518	1,462	1,702	719	479	884	575	625	1,515	1,161
Per Capita GRP (000 Rs.)	3.34	8.60	2.68	4.46	3.42	3.11	22.13	3.31	3.03	4.32

Statistical Appendix 3-3(24) Projected GRP by District - 1997/98 - (8)

(million Rs. at 1985/86 constant prices)

Industry	218	219	220	221	Total
1. Agriculture	253	84	253	253	191,822
1) Major Crops	0	0	0	0	90,659
-Wheat	0	0	0	0	39,424
-Rice	0	0	0	0	11,883
-Gram	0	0	0	0	2,357
-Maize	0	0	0	0	3,467
-Cotton	0	0	0	0	19,920
-Sugarcane	0	0	0	0	9,904
-Others	0	0	0	0	3,704
2) Minor Crops	0	0	0	0	30,377
-Fruit/Vegetable	0	0	0	0	22,340
-Others	0	0	0	0	8,037
3) Livestock	253	84	253	253	64,415
-Milk	120	40	120	120	37,146
-Meat & Others	133	44	133	133	27,269
4) Fishery	0	0	0	0	5,876
5) Forestry	0	0	0	0	495
2. Mining/Quarrying	2	1	1	1	31,523
1) Natural Gas	0	0	0	0	15,982
2) Crude Oil	0	0	0	0	9,401
3) Limestone	1	1	1	1	2,159
4) Coal	0	0	0	0	1,851
5) Others	1	1	1	1	2,130
3. Manufacturing	9	8	7	1	207,969
1) Large-Scale	0	0	0	0	148,417
-Food	0	0	0	0	26,754
-Tobacco	0	0	0	0	1,407
-Textile	0	0	0	0	18,517
-Apparel	0	0	0	0	4,022
-Wood & Paper	0	0	0	0	8,331
-Chemicals	0	0	0	0	34,636
-Cement/Ceramic	0	0	0	0	6,572
-Metal/Metal Product	0	0	0	0	24,450
-Machinery/Equipment	0	0	0	0	23,728
2) Small-Scale	9	8	7	1	58,492
-Food	2	2	2	2	28,309
-Textile/Apparel	1	1	1	1	7,931
-Wood/Furniture	1	1	1	1	6,412
-Metal Product/Machinery	1	1	1	1	5,371
-Others	3	3	2	0	13,459
4. Construction	35	32	28	4	71,245
5. Electricity & Gas	4	4	3	0	28,666
1) Distribution	4	4	3	0	14,343
2) Generation	0	0	0	0	14,343
6. Transport & Communications	37	24	32	18	87,005
2) for Consumption	18	16	14	2	52,203
2) for Business	19	8	18	15	34,802
7. Wholesale & Retail Trade	48	43	38	5	175,555
1) Wholesale	0	0	0	0	54,763
2) Retail	48	43	38	5	121,892
8. Banking & Insurance	6	5	5	1	31,710
9. Ownership of Dwellings	7	6	5	1	21,025
10. Public Admin./Defence	34	31	27	4	84,372
11. Service	28	25	22	3	74,509
TOTAL	462	263	422	2901	2,006,460
Per Capita GRP (000 Rs.)	4.36	2.77	5.03	24.19	7.19

Source: JICA Study Team

Statistical Appendix 3-3(25) Projected GRP by District - 2005/06 - (1)

Industry	311	312	313	314	321	322	323	324	331
1. Agriculture	2,833	2,859	1,938	5,527	5,427	9,118	12,660	7,899	5,770
1) Major Crops	1,065	851	88	2,016	2,176	3,821	6,084	3,862	2,317
-Wheat	861	531	502	1,155	1,155	1,931	3,138	2,023	1,324
-Rice	0	0	5	353	0	358	210	168	749
-Gram	19	1	8	7	1,090	404	8	55	1
-Maize	46	95	16	43	4	140	426	133	33
-Cotton	0	0	6	28	302	286	542	790	16
-Sugarcane	1	0	2	387	135	564	1,541	495	101
-Others	38	23	3	72	100	137	219	139	83
2) Minor Crops	199	162	41	1,429	857	2,002	2,623	980	1,452
-Fruit/Vegetable	197	144	41	1,144	482	1,970	1,684	808	1,406
-Others	2	18	0	1,285	95	1,032	939	172	45
3) Livestock	1,516	1,385	1,237	2,051	1,981	3,196	3,894	3,026	1,969
-Milk	337	528	928	1,457	1,164	2,088	2,749	2,059	1,455
-Meat & Others	579	457	458	593	817	1,109	1,145	967	514
4) Fishery	28	28	28	28	85	85	57	28	28
5) Forestry	25	33	33	29	8	13	2	2	4
2) Mining/Quarrying	127	598	126	2,399	134	721	2,993	245	153
1) Natural Gas	10	49	10	184	11	55	20	14	12
2) Crude Oil	84	396	83	1,881	59	477	1,881	162	111
3) Limestone	21	100	21	398	22	120	499	41	28
4) Coal	3	15	3	61	3	19	77	6	4
5) Others	8	39	8	154	9	47	193	16	11
3) Manufacturing	1,576	8,811	4,177	5,595	4,753	8,822	17,035	2,447	6,205
1) Large-Scale	1,099	7,529	3,650	5,033	2,531	2,661	11,149	1,079	2,343
-Food	0	359	574	26	643	0	1,431	5,645	643
-Tobacco	0	82	82	183	183	0	0	0	0
-Textile	582	709	0	298	192	340	558	2,760	400
-Apparel	0	0	0	16	0	16	42	11	225
-Wood & Paper	0	58	12	362	61	0	1,362	0	0
-Chemical	0	2,157	2,736	1,835	587	2,050	34	471	0
-Cement/Ceramic	391	1,429	9	2,842	258	2,270	135	270	0
-Metal/Metal Product	0	16	78	0	2	0	17	0	120
-Machinery/Equipment	127	2,811	140	88	527	0	88	581	26
2) Small-Scale	477	1,282	547	563	2,222	861	1,804	5,886	1,369
-Food	121	325	139	143	563	218	457	1,492	347
-Textile/Apparel	79	211	90	93	356	142	297	969	225
-Wood/Furniture	66	178	76	78	308	119	250	817	190
-Metal Product/Machinery	57	154	56	68	287	104	217	708	165
-Others	154	414	177	182	717	278	582	1,900	442
4) Construction	1,769	3,249	1,071	1,521	2,792	1,743	2,981	4,534	2,387
5) Electricity & Gas	333	544	490	2,105	301	618	1,980	493	536
1) Distribution	333	530	490	1,199	536	301	618	1,147	493
2) Generation	0	14	0	1,986	76	0	0	1,833	536
6) Transport & Communications	1,197	2,690	1,220	1,337	2,266	1,707	3,069	4,622	2,168
1) for Consumption	724	1,570	591	1,275	872	1,604	2,023	1,213	1,421
2) for Business	473	1,109	528	966	835	1,465	2,599	955	1,126
7) Wholesale & Retail Trade	1,428	10,010	816	1,199	3,034	1,769	6,737	14,068	3,023
1) Wholesale	0	5,023	0	0	0	0	1,769	5,654	1,811
2) Retail	1,428	3,987	816	1,199	3,034	1,769	4,968	7,414	3,023
8) Banking & Insurance	267	1,313	1,414	515	731	1,041	1,242	569	502
9) Ownership of Dwellings	221	4,892	219	461	328	827	1,149	482	751
10) Public Admin./Defence	1,105	4,885	2,157	1,116	2,637	3,603	4,646	2,732	2,646
11) Service	927	3,928	1,808	836	2,211	1,335	3,021	2,399	2,218
TOTAL	11,783	38,868	15,043	18,907	25,328	18,831	38,845	66,077	24,659
Per Capite GRP (000 Rs.)	5.75	10.66	13.07	12.23	6.96	7.28	8.92	10.92	6.48
									7.79

Statistical Appendix 3-3(26) Projected GRP by District - 2005/06 - (2)

Industry	332	333	334	335	341	342	343	344	345	351
(million Rs. at 1985/86 constant prices)										
1. Agriculture	6,634	6,462	2,291	5,109	4,527	7,200	15,989	6,895	14,525	5,842
1) Major Crops	2,554	2,217	698	2,357	2,102	3,514	10,036	4,680	7,669	2,490
-Wheat	1,809	1,608	418	1,327	870	1,982	3,637	1,981	4,106	1,200
-Rice	1,405	1,181	205	1,358	150	1,044	3,677	59	4,748	71
-Gram	18	8	1	3	44	135	6	4	16	22
-Maize	24	67	24	30	7	24	136	63	244	26
-Cotton	18	10	6	93	889	853	5,459	2,510	1,466	1,580
-Sugarcane	153	228	19	355	57	288	313	274	466	466
-Others	128	116	25	81	76	126	360	168	275	123
2) Minor Crops	982	1,164	727	1,397	238	517	1,728	568	2,761	728
-Fruit/Vegetable	903	949	665	1,173	187	321	881	302	2,101	479
-Others	78	215	63	223	51	265	847	266	660	250
3) Livestock	2,069	2,051	836	1,420	2,091	2,775	4,185	1,607	4,023	1,570
-Milk	1,491	1,472	622	1,040	1,205	1,848	2,854	1,099	2,836	1,051
-Meat & Others	578	578	214	380	887	927	1,331	508	1,186	519
4) Fishery	28	28	28	33	76	76	38	38	71	38
5) Forestry	1	1	0	2	16	18	3	2	1	15
2. Mining/Quarrying	217	355	628	123	315	218	334	109	360	144
1) Natural Gas	18	29	51	10	26	18	27	9	29	12
2) Crude Oil	144	235	416	81	209	144	221	72	238	95
3) Limestone	36	59	105	20	53	36	56	18	60	24
4) Coal	6	9	16	3	8	6	9	3	9	4
5) Others	14	23	41	20	20	14	22	7	23	9
3. Manufacturing	9,917	25,250	19,032	2,276	1,018	2,531	12,650	1,459	4,985	1,737
1) Large-Scale	4,572	21,442	12,262	444	220	915	6,559	511	1,854	599
-Food	359	2,620	1,754	0	4	0	2,223	78	1,256	12
-Tobacco	0	0	0	0	0	0	0	0	82	0
-Textile	157	2,145	451	140	154	915	914	340	3	431
-Apparel	15	98	509	7	34	0	340	75	84	56
-Wood & Paper	353	4,074	1,730	0	12	0	0	0	12	0
-Chemical	607	7,278	1,803	232	0	0	4,479	0	27	33
-Cement/Ceramic	19	26	47	0	0	0	0	0	0	0
-Metal/Metal Product	471	1,612	3,674	0	0	0	102	0	0	2
-Machinery/Equipment	2,591	3,588	3,201	65	5	0	222	18	88	65
2) Small-Scale	5,344	3,808	6,769	1,833	798	1,616	4,091	948	3,431	1,139
-Food	1,355	965	1,716	464	202	410	1,037	240	670	289
-Textile/Apparel	880	627	1,115	302	131	266	674	156	565	187
-Wood/Furniture	742	529	940	254	111	224	568	132	476	158
-Metal Product/Machinery	643	458	814	220	96	194	492	114	413	137
-Others	1,725	1,229	2,185	592	258	522	1,320	306	1,108	368
4. Construction	4,018	3,353	10,535	1,881	1,861	4,030	5,786	1,714	4,532	2,784
5. Electricity & Gas	538	506	3,493	430	277	2,241	2,601	255	849	422
1) Distribution	508	312	3,493	430	277	2,241	2,601	255	842	422
2) Generation	28	194	0	0	0	1,988	1,819	0	7	0
6. Transport & Communications	3,865	4,142	9,090	1,634	1,471	2,263	6,059	1,527	4,238	1,910
1) for Consumption	2,356	1,580	8,518	934	801	1,107	3,395	784	2,437	1,131
2) for Business	1,509	2,562	700	700	670	1,156	2,664	744	1,800	779
7. Wholesale & Retail Trade	10,415	4,056	34,086	3,048	2,950	3,854	13,673	2,484	8,302	3,145
1) Wholesale	3,622	0	17,816	0	0	0	4,422	0	0	0
2) Retail	5,793	4,056	16,271	3,048	2,950	3,854	9,251	2,484	8,302	3,145
8. Banking & Insurance	1,044	517	2,150	387	488	662	1,571	335	1,023	436
9. Ownership of Dwellings	4,144	3,347	10,520	2,232	2,123	2,982	5,501	1,453	5,789	2,791
10. Public Admin./Defence	3,475	2,807	8,905	1,871	1,781	2,483	4,121	1,218	4,854	2,340
11. Service	45,732	51,543	106,764	19,405	17,344	29,180	71,315	18,001	51,886	22,040
TOTAL	8.32	12.63	12.57	6.35	4.50	5.57	6.62	6.81	6.42	6.40
Per Capita GRP (000 Rs.)										

Statistical Appendix 3-3(27) Projected GRP by District - 2005/06 - (3)

Industry	362	383	411	412	413	414	415	416	421	422
1. Agriculture	6,018	9,248	3,189	3,931	2,352	2,882	6,603	3,648	2,230	6,287
1) Major Crops	3,010	5,489	1,629	2,027	1,125	2,417	4,684	2,150	1,221	3,092
-Wheat	1,242	1,569	268	677	173	414	2,485	1,197	541	1,196
-Rice	198	136	1,211	24	822	1,883	50	25	457	137
-Gram	128	20	145	76	74	19	8	5	12	8
-Maize	53	28	0	2	0	0	0	0	2	5
-Cotton	1,032	3,100	1	1,092	1	0	1,169	589	50	772
-Sugarcane	239	438	4	1,174	16	14	802	257	116	864
-Others	108	197	60	73	40	65	168	77	44	111
2) Minor Crops	1,162	1,562	120	288	193	176	523	438	105	1,336
-Fruit/Vegetable	846	418	120	229	172	191	247	72	89	967
-Others	317	1,143	0	59	15	47	277	366	16	369
3) Livestock	1,808	2,154	1,325	1,529	1,002	1,223	1,341	1,043	847	1,787
-Milk	1,206	1,360	801	811	520	918	1,159	887	753	813
-Meat & Others	601	775	524	718	483	305	181	157	95	973
4) Fishery	38	38	54	73	20	64	49	15	15	64
5) Forestry	0	0	1	13	10	0	6	1	7	8
2. Mining/Quarrying	125	166	0	373	0	0	0	0	11,384	2,224
1) Natural Gas	10	13	0	162	0	0	0	0	4,862	950
2) Crude Oil	83	110	0	161	0	0	0	0	4,541	887
3) Limestone	21	28	0	19	0	0	0	0	568	111
4) Coal	3	4	0	45	0	0	0	0	1,376	269
5) Others	8	11	0	1	0	0	0	0	36	7
3. Manufacturing	1,855	6,238	335	6,298	505	536	1,936	1,180	4,640	10,234
1) Large-Scale	884	4,921	44	4,908	377	176	1,448	708	3,218	7,164
-Food	692	4,100	44	668	377	134	813	418	550	2,523
-Tobacco	0	0	0	0	0	0	0	0	130	0
-Textile	170	340	0	15	0	5	0	0	1,591	1,022
-Apparel	22	162	0	79	0	38	550	18	107	523
-Wood & Paper	0	0	0	76	0	0	0	0	45	42
-Chemical	0	264	0	3,543	0	0	0	0	226	0
-Cement/Ceramic	0	0	0	228	0	0	0	0	0	1,137
-Metal/Metal Product	0	0	0	163	0	0	0	0	82	546
-Machinery/Equipment	0	65	0	139	0	0	85	0	607	692
2) Small-Scale	971	1,306	291	1,306	239	359	487	472	1,422	3,070
-Food	245	331	211	1,006	166	260	352	342	1,029	2,222
-Textile/Apparel	150	215	11	53	9	14	18	18	54	116
-Wood/Furniture	135	181	19	91	15	24	32	31	94	202
-Metal Product/Machinery	117	157	14	67	11	17	24	23	69	148
-Others	313	422	36	173	28	45	61	59	177	381
4. Construction	1,376	2,151	865	2,362	450	872	1,015	794	729	2,832
5. Electricity & Gas	219	291	1,966	401	133	245	633	400	318	1,734
1) Distribution	219	291	86	285	133	245	633	400	318	1,258
2) Generation	0	0	1,880	115	0	0	0	0	0	486
6. Transport & Communications	1,292	2,271	1,064	3,205	691	1,213	1,475	935	2,312	3,509
1) For Consumption	608	981	616	2,263	381	758	511	952	1,858	2,858
2) For Business	584	1,290	448	942	250	330	718	424	1,360	1,651
7. Wholesale & Retail Trade	2,562	2,844	1,295	2,333	543	1,544	1,406	1,832	1,654	7,154
1) Wholesale	0	0	0	0	0	0	0	0	0	2,557
2) Retail	2,562	2,844	1,295	2,333	543	1,544	1,406	1,832	1,654	4,607
8. Banking & Insurance	211	559	322	358	133	230	395	501	398	1,313
9. Ownership of Dwellings	347	505	449	379	140	321	457	372	389	896
10. Public Admin./Defence	1,745	2,523	886	1,371	389	971	1,251	965	1,192	2,463
11. Service	1,463	2,199	846	1,309	371	927	1,195	922	1,138	2,351
TOTAL	17,212	29,095	11,217	22,225	5,748	10,751	16,366	11,548	26,384	41,128
Per Capita GRP (000 Rs.)	6.29	7.29	4.33	10.17	7.12	5.63	6.20	5.37	11.74	11.92

Statistical Appendix 3-3(28) Projected GRP by District - 2005/06 - (4)

Industry	423	424	425	426	431	111	112	113	114	121
1. Agriculture	2,918	5,088	4,663	1,900	7,436	524	1,379	3,080	1,260	346
1) Major Crops	1,693	3,579	2,801	746	2	129	460	1,199	405	134
-Wheat	1,172	1,850	1,521	32	2	42	175	345	202	8
-Rice	346	38	31	280	0	28	174	196	77	0
-Gram	2	1	0	2	0	0	0	0	0	0
-Maize	2	8	17	3	0	54	95	587	47	121
-Cotton	59	1,383	852	9	0	0	0	0	0	0
-Sugarcane	1,051	162	280	394	0	0	1	28	64	0
-Others	61	128	100	27	0	5	16	42	14	5
2) Minor Crops	320	438	540	232	164	56	230	1,088	491	6
-Fruit/Vegetable	227	236	278	115	141	43	383	880	464	5
-Others	93	202	262	115	23	12	47	208	27	1
3) Livestock	886	948	1,322	740	3,049	327	624	743	327	178
-Meat & Others	807	827	918	633	178	156	299	356	156	85
-Milk	78	322	404	107	2,871	170	325	387	170	93
4) Fishery	20	103	0	161	4,221	1	2	2	1	0
5) Forestry	0	0	0	21	0	11	63	48	33	28
2) Mining/Quarrying	0	0	0	8,985	0	8	124	186	33	0
1) Natural Gas	0	0	0	0	3,838	0	0	0	0	0
2) Crude Oil	0	0	0	0	3,1584	0	0	0	0	0
3) Limestone	0	0	0	0	1,449	5	77	115	20	0
4) Coal	0	0	0	0	1,086	0	3	5	1	0
5) Others	0	0	0	0	0	29	44	66	12	0
3) Manufacturing	2,871	1,219	2,586	5,959	132,912	29	316	803	153	0
1) Large-Scale	2,385	505	1,310	5,731	102,745	0	0	352	25	0
-Food	2,385	66	364	1,451	5,605	0	0	0	12	0
-Tobacco	0	0	0	0	389	0	0	0	0	0
-Textile	0	5	0	642	10,236	0	0	137	13	0
-Apparel	0	84	81	1,616	0	0	0	0	0	0
-Wood & Paper	0	0	0	97	3,223	0	0	0	0	0
-Chemical	0	380	134	3,541	22,760	0	0	117	0	0
-Cement/Ceramic	0	0	0	0	1,590	0	0	0	0	0
-Metal/Metal Product	0	0	0	0	32,288	0	0	0	0	0
-Machinery/Equipment	0	0	0	0	25,031	0	0	98	0	0
2) Small-Scale	486	714	1,276	228	30,167	29	316	452	128	0
-Food	352	617	924	165	21,836	9	95	136	39	0
-Textile/Apparel	18	27	48	9	1,142	3	34	49	14	0
-Wood/Furniture	32	47	84	15	1,985	5	50	72	20	0
-Metal Product/Machinery	23	84	62	11	1,457	3	30	43	12	0
-Others	50	84	159	28	3,747	10	106	152	43	0
4. Construction	256	531	386	431	11,070	173	1,723	1,528	623	0
5. Electricity & Gas	49	129	276	4,371	7,608	7	85	85	227	7,766
1) Distribution	49	129	276	134	4,660	7	85	85	195	0
2) Generation	0	0	0	4,237	2,948	0	0	0	92	7,766
6. Transport & Communications	710	1,013	1,913	1,085	36,396	116	789	1,202	426	532
1) For Consumption	283	524	1,332	193	24,557	68	551	829	275	50
2) For Business	427	489	582	892	11,839	49	238	373	151	532
7. Wholesale & Retail Trade	496	1,234	2,917	709	70,872	459	1,190	2,044	897	197
1) Wholesale	0	0	0	0	38,026	0	0	0	0	0
2) Retail	496	1,234	2,917	709	32,846	459	1,190	2,044	897	197
8. Banking & Insurance	122	242	518	84	18,038	24	148	299	65	115
9. Ownership of Dwellings	246	339	730	166	5,288	28	138	195	41	222
10. Public Admin./Defence	697	718	1,931	403	18,136	211	745	1,375	453	173
11. Service	566	685	1,844	384	17,316	172	607	1,120	368	141
TOTAL	9,003	11,228	18,256	15,433	333,758	1,752	7,244	11,916	4,548	5,453
Per Capita GRP (000 Rs.)	6.33	5.90	4.34	16.12	21.86	4.45	3.71	4.94	7.91	3.02

Statistical Appendix 3-3(29) Projected GRP by District - 2005/06 - (5)

Industry	122	123	131	132	133	141	142	511	512	513
(million Rs. at 1985/86 constant prices)										
1. Agriculture	2,006	2,484	3,718	5,138	1,964	2,638	3,841	4,907	2,717	593
1) Major Crops	565	549	1,506	1,754	1,419	1,978	2,676	17	149	136
-Wheat	211	342	452	648	299	421	417	16	143	125
-Rice	51	6	8	9	4	16	79	0	0	0
-Gram	0	1	1	1	38	86	119	0	0	0
-Maize	284	179	503	331	50	135	11	0	1	6
-Cotton	0	0	0	0	0	0	0	0	0	0
-Sugarcane	0	2	389	703	2	20	26	0	0	0
-Others	20	19	53	62	15	25	24	1	5	5
2) Minor Crops	141	191	650	1,355	144	646	1,817	308	1,922	259
-Fruit/Vegetable	112	147	566	1,230	107	538	1,790	238	1,553	143
-Others	29	44	94	126	38	38	127	72	370	116
3) Livestock	1,278	1,723	1,545	2,020	1,386	1,307	1,307	4,582	645	197
-Milk	612	825	740	957	668	626	626	1,797	165	37
-Meat & Others	666	898	805	1,063	718	682	682	2,785	480	160
4) Fishery	3	3	7	6	2	1	33	0	0	0
5) Forestry	20	17	0	1	3	0	7	0	0	1
2. Mining/Quarrying	0	19	231	78	185	0	0	1,548	758	1,515
1) Natural Gas	0	0	0	0	0	0	0	1,319	644	1,375
2) Crude Oil	0	0	0	0	0	0	0	0	0	0
3) Limestone	0	12	142	48	114	0	0	2	1	2
4) Coal	0	0	6	2	5	0	0	66	32	69
5) Others	0	7	82	28	56	0	0	161	79	168
3. Manufacturing	198	3,358	3,050	11,468	537	239	230	2,142	47	60
1) Large-Scale	123	2,924	2,209	9,432	88	46	23	1,656	0	0
-Food	12	80	1,376	2,079	60	12	23	327	0	0
-Tobacco	0	0	225	466	0	0	0	15	0	0
-Textile	13	384	13	488	28	28	0	45	0	0
-Apparel	0	0	0	86	0	0	0	0	0	0
-Wood & Paper	0	0	0	2,550	0	0	0	0	0	0
-Chemical	97	288	97	1,056	0	0	0	0	0	0
-Cement/Ceramic	0	0	489	311	0	0	0	1,161	0	0
-Metal/Metal Product	0	1,467	0	256	0	6	0	108	0	0
-Machinery/Equipment	0	704	0	1,610	0	0	0	0	0	0
2) Small-Scale	78	434	851	2,016	449	193	207	486	47	60
-Food	23	131	257	609	135	58	62	380	37	47
-Textile/Apparel	8	47	92	218	49	21	22	30	3	4
-Wood/Furniture	12	69	136	321	72	31	33	0	0	0
-Metal Product/Machinery	17	41	81	192	43	18	20	24	2	3
-Others	25	146	235	676	131	55	59	51	5	9
4. Construction	420	1,638	3,028	5,594	2,786	767	1,537	436	227	157
5. Electricity & Gas	47	319	714	1,252	112	145	137	512	57	95
1) Distribution	47	319	714	1,252	112	145	137	452	57	95
2) Generation	0	0	0	538	0	0	0	59	0	0
6. Transport & Communications	535	1,567	2,006	4,801	1,281	649	934	1,945	866	560
1) For Consumption	360	1,054	1,300	3,217	915	398	557	1,250	589	376
2) For Business	175	513	706	1,584	366	250	377	695	277	183
7. Wholesale & Retail Trade	697	1,691	2,827	5,550	1,788	1,949	2,085	6,210	3,540	1,090
1) Wholesale	0	0	0	6,823	0	0	0	2,674	0	0
2) Retail	697	1,691	2,827	1,727	1,788	1,949	2,085	3,536	3,540	1,090
8. Banking & Insurance	56	250	370	1,259	237	96	161	498	34	85
9. Ownership of Dwellings	79	85	191	506	109	90	98	96	64	104
10. Public Admin./Defence	535	1,417	1,410	6,355	1,518	1,115	1,884	1,723	329	588
11. Service	436	1,155	1,149	5,178	1,237	1,909	1,535	1,912	366	653
TOTAL	5,009	13,983	18,703	57,550	11,812	8,617	12,443	21,929	9,002	5,600
Per Capita GRP (000 Rs.)	4.50	11.62	6.92	12.09	7.67	5.78	8.88	23.81	9.80	3.75

Statistical Appendix 3-3(30) Projected GRP by District - 2005/06 - (6)

Industry	514	515	521	522	523	524	531	532	533	534
1. Agriculture	578	601	722	3,864	691	271	896	974	243	1,224
1) Major Crops	57	18	111	3,149	72	102	191	335	21	5
-Wheat	46	17	102	1,075	64	99	184	315	21	4
-Rice	0	0	0	1,836	6	0	0	8	0	0
-Gram	0	0	0	72	0	0	0	0	0	0
-Maize	9	1	1	0	0	0	0	0	0	0
-Cotton	0	0	0	0	0	0	0	0	0	0
-Sugarcane	0	0	1	53	0	0	0	0	0	0
-Others	2	1	4	112	3	4	7	12	1	0
2) Minor Crops	150	285	271	315	198	22	331	300	108	92
-Fruit/Vegetable	85	272	215	344	194	19	276	254	77	84
-Others	65	13	55	1	3	3	54	46	31	8
3) Livestock	370	288	341	370	421	146	373	338	112	258
-Milk	18	0	37	18	37	18	37	18	0	18
-Meat & Others	352	288	304	352	384	128	336	320	112	240
4) Fishery	0	0	0	0	0	0	0	0	0	869
5) Forestry	1	10	0	0	1	0	1	0	2	0
2. Mining/Quarrying	4,147	1,966	406	0	1,441	680	4,467	0	21	314
1) Natural Gas	3,532	1,875	346	0	1,237	579	3,804	0	18	268
2) Crude Oil	0	0	0	0	0	0	0	0	0	0
3) Limestone	5	3	0	0	2	1	6	0	0	0
4) Coal	177	84	17	0	62	29	191	0	1	13
5) Others	432	205	42	0	150	71	465	0	2	33
3. Manufacturing	104	24	95	99	43	4	29	141	7	2,618
1) Large-Scale	0	0	0	12	0	0	0	0	0	2,539
-Food	0	0	0	12	0	0	0	0	0	287
-Tobacco	0	0	0	0	0	0	0	0	0	0
-Textile	0	0	0	0	0	0	0	0	0	251
-Apparel	0	0	0	0	0	0	0	0	0	0
-Wood & Paper	0	0	0	0	0	0	0	0	0	215
-Chemical	0	0	0	0	0	0	0	0	0	565
-Cement/Ceramic	0	0	0	0	0	0	0	0	0	88
-Metal/Metal Product	0	0	0	0	0	0	0	0	0	734
-Machinery/Equipment	0	0	0	0	0	0	0	0	0	520
2) Small-Scale	104	24	95	98	43	4	29	141	7	79
-Food	92	19	74	69	34	3	23	111	5	62
-Textile/Apparel	6	2	6	5	3	0	2	9	0	5
-Wood/Furniture	0	0	0	0	0	0	0	0	0	0
-Metal Product/Machinery	5	1	5	4	2	0	1	7	0	4
-Others	11	3	10	9	9	0	3	15	1	8
4. Construction	687	532	66	246	71	5	96	321	129	104
5. Electricity & Gas	83	19	35	35	34	0	47	35	11	547
1) Distribution	83	19	35	35	34	0	47	35	11	16
2) Generation	0	0	0	0	0	0	0	0	0	632
6. Transport & Communications	890	681	206	438	329	90	821	305	87	482
1) For Consumption	482	453	110	129	163	20	418	183	57	124
2) For Business	408	228	96	309	166	70	403	122	30	357
7. Wholesale & Retail Trade	1,673	350	273	411	255	62	779	666	126	273
1) Wholesale	0	0	0	0	0	0	0	0	0	0
2) Retail	1,673	350	273	411	255	62	779	666	126	273
8. Banking & Insurance	0	35	26	62	31	0	83	62	19	28
9. Ownership of Dwellings	100	27	12	72	38	23	108	94	25	31
10. Public Admin./Defence	472	209	110	309	204	48	611	376	114	143
11. Service	523	232	122	342	226	53	679	418	126	159
TOTAL	9,256	4,678	2,073	5,378	3,353	1,240	8,516	3,501	508	6,023
Per Capita GRP (000 Rs.)	6.50	12.06	12.49	5.71	8.16	3.08	5.57	2.67	2.57	13.83

Statistical Appendix 3-3(31) Projected GRP by District - 2005/06 - (7)
(million Rs. at 1985/86 constant prices)

Industry	541	542	543	211	212	213	214	215	216	217
1. Agriculture	837	997	203	554	287	476	584	368	781	893
1) Major Crops	13	3	3	136	79	104	153	41	75	70
-Wheat	6	2	3	87	38	68	72	21	30	26
-Rice	6	1	0	16	0	0	44	1	2	1
-Maize	0	0	0	0	0	0	0	0	0	0
-Cotton	0	0	0	28	17	25	31	18	24	30
-Sugarcane	0	0	0	0	0	0	0	0	0	0
-Others	0	0	0	0	20	3	0	0	7	0
2) Minor Crops	472	45	120	3	3	4	5	1	3	2
-Fruit/Vegetable	363	24	72	0	0	15	145	0	52	140
-Others	109	21	47	3	1	15	127	0	42	112
3) Livestock	146	80	80	416	208	357	286	327	654	683
-Milk	18	0	0	199	100	171	185	186	313	327
-Meat & Others	128	80	80	217	108	186	201	170	341	356
4) Fishery	0	0	0	0	0	0	0	0	0	0
5) Forestry	0	0	0	0	0	0	0	0	0	0
2. Mining/Quarrying	0	41	151	2	2	5	0	3	11	5
1) Natural Gas	0	35	128	0	0	0	0	0	0	0
2) Crude Oil	0	0	0	0	0	0	0	0	0	0
3) Limestone	0	0	0	1	1	3	0	2	7	3
4) Coal	0	2	6	0	0	0	0	0	0	0
5) Others	0	4	16	1	1	2	0	1	4	2
3. Manufacturing	156	75	119	15	13	35	1	21	74	32
1) Large-Scale	0	0	0	0	0	0	0	0	0	0
-Food	0	0	0	0	0	0	0	0	0	0
-Tobacco	0	0	0	0	0	0	0	0	0	0
-Textile	0	0	0	0	0	0	0	0	0	0
-Apparel	0	0	0	0	0	0	0	0	0	0
-Wood & Paper	0	0	0	0	0	0	0	0	0	0
-Chemical	0	0	0	0	0	0	0	0	0	0
-Cement/Ceramic	0	0	0	0	0	0	0	0	0	0
-Metal/Metal Product	0	0	0	0	0	0	0	0	0	0
-Machinery/Equipment	0	0	0	0	0	0	0	0	0	0
2) Small-Scale	156	75	119	15	13	35	1	21	74	32
-Food	122	59	93	5	4	11	0	5	22	10
-Textile/Apparel	10	6	7	2	1	4	0	2	8	3
-Wood/Furniture	0	0	0	2	2	6	0	3	12	5
-Metal Product/Machinery	0	8	6	1	1	3	0	2	7	3
-Others	16	4	13	5	4	12	1	7	25	11
4. Construction	2,942	137	1,056	58	49	135	6	82	284	124
5. Electricity & Gas	0	31	23	8	7	18	1	11	47	17
1) Distribution	0	31	23	8	7	18	1	11	47	17
2) Generation	0	0	0	0	0	0	0	0	0	0
6. Transport & Communications	2,773	219	580	71	48	112	48	73	221	133
1) for Consumption	2,501	128	457	29	25	68	3	41	143	62
2) for Business	272	93	123	42	23	44	45	32	79	70
7. Wholesale & Retail Trade	1,198	199	550	72	51	169	7	102	354	155
1) Wholesale	0	0	0	0	0	0	0	0	0	0
2) Retail	1,198	199	550	72	51	169	7	102	354	155
8. Banking & Insurance	111	28	43	9	7	20	1	13	44	19
9. Ownership of Dwellings	143	12	70	9	7	20	1	12	42	18
10. Public Admin./Defence	346	86	274	50	42	117	5	71	246	108
11. Service	384	96	305	41	35	95	4	58	201	188
TOTAL	8,585	1,921	3,408	890	558	1,202	759	815	2,305	1,592
Per Capita GRP (000 Rs.)	4.25	11.24	3.38	7.36	5.47	4.28	63.22	4.77	8.89	6.15

Statistical Appendix 3-3(32) Projected GRP by District - 2005/06 - (8)
 (million Rs. at 1985/86 constant prices)

Industry	218	219	220	221	Total
1. Agriculture	357	119	357	357	253,561
1) Major Crops	0	0	0	0	113,736
-Wheat	0	0	0	0	50,911
-Rice	0	0	0	0	14,450
-Gram	0	0	0	0	2,676
-Maize	0	0	0	0	4,426
-Cotton	0	0	0	0	24,845
-Sugarcane	0	0	0	0	12,353
-Others	0	0	0	0	4,075
2) Minor Crops	0	0	0	0	40,656
-Fruit/Vegetable	0	0	0	0	30,097
-Others	0	0	0	0	10,559
3) Livestock	357	119	357	357	91,014
-Milk	171	57	171	171	52,825
-Meat & Others	186	62	186	186	38,189
4) Fishery	0	0	0	0	7,519
5) Forestry	0	0	0	0	536
2. Mining/Quarrying	2	2	2	2	52,170
1) Natural Gas	0	0	0	0	25,635
2) Crude Oil	0	0	0	0	16,274
3) Limestone	1	1	1	1	9,520
4) Coal	0	0	0	0	3,826
5) Others	1	1	1	1	2,925
3. Manufacturing	15	12	13	13	345,607
1) Large-Scale	0	0	0	0	247,148
-Food	0	0	0	0	41,059
-Tobacco	0	0	0	0	1,714
-Textile	0	0	0	0	26,944
-Apparel	0	0	0	0	5,720
-Wood & Paper	0	0	0	0	14,313
-Chemical	0	0	0	0	59,511
-Cement/Ceramic	0	0	0	0	11,041
-Metal/Metal Product	0	0	0	0	41,609
-Machinery/Equipment	0	0	0	0	45,237
2) Small-Scale	15	12	13	13	98,459
-Food	5	4	4	4	45,133
-Textile/Apparel	2	1	1	1	10,601
-Wood/Furniture	2	2	2	2	10,597
-Metal Product/Machinery	1	1	1	1	8,578
-Others	5	4	4	4	23,450
4. Construction	59	48	49	49	120,594
5. Electricity & Gas	8	6	7	7	51,161
1) Distribution	8	6	7	7	35,530
2) Generation	0	0	0	0	35,581
6. Transport & Communications	39	36	53	25	145,078
1) For Consumption	30	24	25	2	87,047
2) For Business	29	12	28	24	58,931
7. Wholesale & Retail Trade	74	60	61	4	233,693
1) Wholesale	0	0	0	0	32,200
2) Retail	74	60	61	4	191,493
8. Banking & Insurance	9	7	8	1	52,087
9. Ownership of Dwellings	5	7	7	0	27,501
10. Public Admin./Defence	51	42	42	3	127,534
11. Service	42	34	35	2	111,772
TOTAL	684	374	632	3971	571,160
Per Capita GRP (000 Rs.)	5.56	3.74	6.20	56.75	9.11

Source: JICA Study Team

Statistical Appendix 4-1(1) An International Comparison on Roads, Other Transportation and Communication Expenditure by Central Government

	Expenditure on roads	Expenditure on other transportation and communication	Capital expenditure	Total expenditure	Total expenditure & L. - R.	(1)+(2) as % of GDP
	as % of total expenditure		as % of total expenditure & L. - R.		as % of GDP	
	(1)	(2)	(3)	(4)	(5)	(6)
World	1.80	2.48	8.72	94.88	32.07	1.30
Industrial countries	1.37	2.23	5.56	97.01	34.07	1.19
Developing countries	3.39	3.38	18.69	88.72	26.35	1.58
Asia	4.79	3.74	20.46	83.34	21.74	1.55
Bangladesh	-	4.28	-	86.72	11.66	-
Burma	4.58	1.65	25.22	101.47	16.15	1.02
Fiji	5.62	1.80	25.78	100.12	27.66	2.05
India	-	-	9.14	72.29	20.08	-
Indonesia	2.86	6.17	46.58	95.18	24.00	2.06
Korea, Rep. of	2.19	1.13	12.70	85.43	20.92	0.59
Malaysia	5.22	2.31	33.47	89.40	37.74	2.54
Maldives	-	26.19	48.86	97.79	35.04	-
Nepal	13.56	4.86	-	100.22	15.33	2.83
Pakistan	1.67	7.98	13.24	81.19	22.34	1.75
Papua New Guinea	2.71	3.59	11.00	96.90	36.68	2.24
Philippines	12.44	3.18	21.88	82.50	14.79	1.91
Singapore	3.68	3.24	17.51	78.99	27.86	1.52
Solomon Islands	0.32	4.00	21.33	93.18	30.10	1.21
Sri Lanka	-	7.45	40.56	98.17	36.03	-
Thailand	7.03	1.02	21.28	99.24	19.50	1.56
Western Samoa	5.79	9.82	34.80	95.54	-	-
Middle East	2.27	1.81	20.20	94.66	38.98	1.68
Bahrain	3.55	2.41	36.87	90.78	-	-
Egypt	0.95	0.52	14.35	85.43	56.96	0.72
Iran, I.R. of	2.95	2.52	25.54	100.96	31.42	1.74
Israel	0.16	1.28	3.80	91.64	60.65	0.80
Jordan	4.82	3.19	30.47	92.91	51.24	3.81
Kuwait	3.51	1.57	27.74	83.72	50.76	2.16
Oman	4.89	1.30	22.29	96.06	46.13	2.74
Syrian Arab Rep.	3.68	1.11	34.68	100.00	42.92	2.06
United Arab Emirates	-	1.52	6.44	89.97	15.27	-
Yemen Arab Rep.	5.85	2.78	33.49	91.12	50.83	4.00
Africa	-	-	25.05	-	24.93	-
Benin	-	-	-	-	-	-
Botswana	7.79	4.40	24.47	89.11	40.45	4.39
Burkina Faso	0.31	0.53	14.84	99.87	15.53	0.13
Burundi	-	-	45.29	99.32	22.20	-
Cameroon	7.27	6.20	36.59	95.79	21.23	2.74
Central African Rep.	4.60	0.28	5.90	98.53	-	-
Chad	-	-	-	-	-	-
Congo	-	-	-	99.77	44.80	-
Cote d'Ivoire	1.99	4.26	25.79	90.73	33.60	1.91
Djibouti	-	-	-	98.52	45.31	-
Ethiopia	8.35	2.57	14.16	100.48	25.32	2.78
Gabon	-	-	-	-	-	-
Gambia, The	-	-	-	-	-	-
Ghana	5.02	2.30	11.68	97.46	12.02	0.86

(to be continued)

Statistical Appendix 4-1(2) An International Comparison on Roads, Other Transportation and Communication Expenditure by Central Government

	Expenditure on roads as % of total expenditure	Expenditure on other transportation and communication as % of total expenditure	Capital expenditure as % of total expenditure & L. - R.	Total expenditure as % of GDP	Total expenditure & L. - R. as % of GDP	(1)+(2) as % of GDP
	(1)	(2)	(3)	(4)	(5)	(6)
Guinea	-	-	-	-	-	-
Kenya	7.44	0.34	18.04	94.34	30.55	2.24
Lesotho	7.31	6.61	26.83	99.75	45.20	6.28
Liberia	10.62	0.85	23.76	92.15	40.23	4.25
Madagascar	-	-	-	-	-	-
Malawi	7.42	9.88	33.15	96.47	33.90	5.66
Mali	-	-	-	98.70	-	-
Mauritania	-	-	-	-	-	-
Mauritius	1.16	0.77	11.78	89.98	32.86	0.57
Morocco	1.81	8.61	30.55	99.52	37.12	3.85
Niger	10.22	3.62	46.89	96.15	20.25	2.69
Nigeria	-	-	-	-	-	-
Rwanda	7.47	2.58	34.43	98.58	14.52	1.44
Senegal	3.14	0.15	13.04	98.99	27.48	0.89
Seychelles	-	-	-	-	-	-
Sierra Leone	4.08	1.92	21.84	96.89	23.70	1.38
Somalia	-	-	-	-	-	-
South Africa	-	-	11.99	89.65	25.87	-
Sudan	1.72	2.39	22.81	93.05	20.71	0.79
Swaziland	6.60	9.26	28.83	91.40	29.45	4.27
Tanzania	5.71	1.93	38.17	98.33	29.62	2.23
Togo	3.93	1.30	26.08	98.99	33.70	1.74
Tunisia	1.79	3.23	28.34	93.06	36.47	1.70
Uganda	2.24	0.98	15.68	98.08	-	-
Zaire	0.37	2.15	22.64	99.94	30.89	0.78
Zambia	3.67	1.99	10.60	91.66	41.20	2.14
Zimbabwe	3.11	2.52	6.38	93.63	36.24	1.91
Europe	3.23	1.48	17.28	99.12	28.83	1.35
Cyprus	3.23	1.66	16.41	97.14	30.82	1.46
Greece	3.83	1.86	15.70	99.36	38.08	2.15
Hungary	-	-	11.11	100.04	52.80	-
Malta	5.39	1.19	13.96	89.62	40.94	2.41
Portugal	-	-	-	-	-	-
Romania	1.14	3.71	39.09	100.00	35.44	1.72
Turkey	7.00	1.12	28.81	99.17	23.80	1.92
Yugoslavia	-	-	0.91	100.00	9.60	-
Western Hemisphere	2.37	3.42	15.07	86.33	25.29	1.26
Argentina	3.13	4.74	11.54	87.13	23.72	1.63
Bahamas	-	-	-	-	-	-
Barbadaos	4.49	3.31	19.49	96.58	31.08	2.34
Belize	13.09	1.98	25.96	97.70	26.38	3.88
Bolivia	4.19	4.27	6.53	99.81	12.93	1.09
Brizil	1.54	1.70	6.28	74.74	26.68	0.65
Chilie	2.02	0.82	8.29	97.74	30.50	0.85
Colombia	-	-	28.17	96.37	14.20	-
Costa Rica	11.00	0.54	17.08	100.07	22.15	2.56
Dominica	-	-	-	-	-	-
Dominican Republic	1.28	9.13	23.87	99.65	15.21	1.58
Ecuador	-	-	-	-	-	-
El Salvador	7.01	1.66	14.35	96.42	18.75	1.57
Grenada	-	-	-	-	-	-
Guatemala	-	-	35.06	96.97	14.97	-
Guyana	0.65	1.06	-	90.38	84.56	1.31
Haiti	-	-	13.94	100.00	18.28	-
Honduras	-	-	-	-	-	-
Jamaica	-	-	-	90.94	43.84	-

(to be continued)

Statistical Appendix 4-1(3) An International Comparison on Roads, Other Transportation and Communication Expenditure by Central Government

	Expenditure on roads as % of total expenditure	Expenditure on other transportation and communication as % of total expenditure	Capital expenditure as % of total expenditure & L. - R.	Total expenditure as % of GDP	Total expenditure & L. - R. as % of GDP	(1)+(2) as % of GDP
	(1)	(2)	(3)	(4)	(5)	(6)
Mexico	1.52	4.93	23.90	94.30	24.79	1.51
Netherlands Antilles	-	-	18.25	-	-	-
Nicaragua	5.52	5.93	20.83	99.57	43.13	4.92
Panama	4.00	0.79	16.39	97.49	36.10	1.69
Paraguay	11.15	0.23	20.56	96.79	11.26	1.24
Peru	-	-	23.04	-	20.06	-
St. Lucca	-	-	23.69	99.29	37.74	-
St. Vincent	5.77	0.60	7.99	100.00	33.41	2.13
Suriname	0.64	0.30	9.03	98.20	43.25	0.40
Trinidad and Tobago	7.68	7.48	31.28	80.78	37.59	4.60
Uruguay	3.79	1.91	6.75	97.99	25.60	1.43
Venezuela	2.12	3.92	21.09	86.05	30.89	1.61
Oil exporting countries	4.65	5.04	31.25	90.48	27.56	2.42
Non-oil developing countries	3.05	2.91	16.02	88.17	26.08	1.37

- Note:
1. Calculated by the Study Team based on "Supplement on Government Finance (Supplement Series No. 11)" of International Financial Statistics" by IMF.
 2. All figures are the average of available years for the period of 1980 to 1983 in principle, but 1980-84 for a few countries.
 3. Total expenditure & L. - R. read as "total expenditure and bending minus repayment. Expenditure includes all outlay on subsidies and other current transfers, wages and salaries, other current purchases of goods and services, interest payments, and capital expenditure.

Statistical Appendix 4-2 Composition of Central Government Outlay
by Economic Type, 1983

	(as % of total outlay)	
	Developing Countries	Pakistan
Subsidies and other current transfers	26.8	10.5
Other current purchases of goods and services	12.7	42.8
Wages and salaries	19.1	4.2
Interest payments	10.7	12.5
Lending minus repayments and other outlays	13.0	16.7
Capital expenditure	17.7	13.3
Total	100.0	100.0
(Total outlay as % of GDP)	(26.9)	(23.2)

Source: The same to Statistical Appendix 4-1

Statistical Appendix 4-3 Composition of Central Government
Expenditure by Function, 1983

	(as % of total expenditure)	
	Developing Countries	Pakistan
Social security and welfare	15.7	6.1
Education	9.8	3.1
Health	4.1	1.0
Housing and community amenities	1.8	3.2
Defence	14.0	34.8
Economic services of which:	24.3	28.0
Agriculture	5.0	1.2
Mining, manufacturing and construction	3.7	3.9
Electricity	4.0	2.5
Road	3.4	1.4
Other transportation and communication	3.4	6.8
Other economic services	4.8	12.2
Others	30.3	23.8
Total	100.0	100.0
(Total expenditure as % of GDP)	(23.7)	(19.3)

Source: The same to Statistical Appendix 4-1

TRANSPORT DEMAND FORECAST

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CHAPTER 1 METHODOLOGY

1.1 Framework of the Methodology

1.1.1 General

This chapter deals with the transport demand forecast for both passengers and commodity, for the years 1992/93 which is the target year of the 7th Five-Year Plan and 2005/06 as a long-term target. For convenience, however, to planners and policy makers in Pakistan, major indicators are estimated also for the target year of the 8th Five-Year Plan, i.e., 1997/98. The base year for the forecast is set at 1985/86.

The methodology of the forecast is partially revised from that adopted in the 1983 Study on National Transport Plan in the Islamic Republic of Pakistan (hereinafter referred to as the 1983 NTPS or the 1983 Masterplan).

The demand forecast starts from the interpretation of the national/regional socio-economic framework aforementioned so that the major socio-economic indicators essential to forecast the transport demand could be recategorized or modified according to the requirements from the demand forecast methodology. Then, after updating the previous OD tables as of 1980/81 of the 1983 NTPS, the future transport demand is estimated. The demand forecast is divided into two (2) phases, i.e.:

- ① Macroscopic Demand Forecast
- ② Microscopic Demand Forecast

The former handles the demand in correlation with the national economy and discusses the planning directions. Transport demand is estimated by mode in terms of passenger-kilometers and ton-kilometers. However, road and railway are combined as land transport in order to reflect the formulated strategies on intermodal choice. Pipeline and inland water transport are also taken into account for some specific commodities and origin-destination pairs. Shipping and air transport are dealt with rather independently from other modes.

The latter handles the transport demand in the form of OD tables in principle. Based on the past trends, traffic generation and attraction are analyzed by zone in correlation with several zonal socio-economic indicators in order to formulate equations which are to be used for estimating the future traffic generation and attraction by zone when given the future socio-economic indicators. Future OD tables are created based on the traffic generation and attraction by zone thus estimated.

The estimated future transport demand by mode in the form of OD tables is assigned to the transport network. Then, the interrelationship among assigned traffic, capacity of the facility and the possible investment amount is analyzed.

1.1.2 Zoning

The area of Pakistan is divided into 46 zones and the external area is classified into 5 zones including the Northern Area of Azad Kashmir and Gilgit/Skardu/Diamer. These 51 zones are shown in Table 1.1.1 and Fig. 1.1.1, which are the same as the previous NTPS.

1.1.3 Commodity Classification

The number of commodity items dealt with in this Study are 19 as listed in Table 1.1.2. This classification is also the same as the previous NTPS, although the sequence of the reclassified code has been changed. It is to be noted that rock phosphate, railway material and railway oil are not transported by road while sugarcane, fruits/vegetable and livestock transported by railway are negligible in quantity.

Table 1.1.1 List of Zones

<u>Zone No.</u>	<u>Area (Km²)</u>	<u>Zone No.</u>	<u>Area (Km²)</u>		
<u>N.W.F.P.</u>		<u>SIND</u>			
<u>PESHAWAR DIVISION</u>		<u>SUKKUR DIVISION</u>			
1.	Mardan	3,137	28.	Jacobabad	5,278
2.	* Peshawar	4,001	29.	* Shikarpur	2,841
	Khyber Agency	2,576	30.	Sukkur (Rohri)	11,093
	Bajour & Mohammad	3,586	31.	Larkana	7,423
	Other Tribal Area	261	32.	Nawabshah	7,501
3.	* Kohat/Karak	7,012		Khairpur	15,736
	Khurram Agency	3,380	<u>HYDERABAD DIVISION</u>		
	Orakzai Agency	1,538	33.	Hyderabad	5,519
	Other Tribal Area	446	34.	Dadu	19,017
<u>HAZARA DIVISION</u>		35.	Tharparkar	28,170	
4.	* Abbottabad	3,730	36.	Sanghar	10,728
	Mansehra	5,792	37.	Thatta	17,355
	Kohistan	7,581	38.	Badin	6,726
<u>D.I. KHAN DIVISION</u>		<u>KARACHI</u>			
5.	* D.I. Khan	9,005	39.	Karachi	3,527
	South Waziristan	6,620	<u>BALUCHISTAN</u>		
	Other Tribal Area	3,229	<u>QUETTA DIVISION</u>		
6.	* Bannu	4,391	40.	* Quetta	2,653
	North Waziristan	4,707		Pishin	11,112
	Other Tribal Area	877	41.	* Loralai	19,071
<u>MALAKAND DIVISION</u>				Zhob	27,129
7.	* Dir	5,282	42.	Chagai	50,545
	Chitral	14,850	<u>KALAT DIVISION</u>		
8.	* Swat	8,788	43.	* Kalat	12,517
	Malakand	952		Kharan	48,051
<u>PUNJAB</u>			44.	Lasbela	12,574
<u>RAWALPINDI DIVISION</u>		<u>SIBI DIVISION</u>			
9.	Attock	9,789	45.	Nasirabad	5,832
10.	* Rawalpindi	5,286		* Sibi	9,285
	Islamabad	906		Kachhi	11,114
11.	Jhelum	7,179		Kohlu/Dera Bugti	17,770
12.	Cujrat	5,865		Khuzdar	64,891
<u>SARGODHA DIVISION</u>		<u>MEKLAN DIVISION</u>			
13.	Sargodha/Khushab	12,367	46.	Panjgur	16,891
14.	Mianwali/Bhakkar	13,993		Turbat	22,539
15.	Faisalabad/T.T. Singh	9,108		* Gwadar	15,216
16.	Jhang	8,809	<u>NORTHERN AREAS</u>		
<u>LAHORE DIVISION</u>		<u>AZAD KASHMIR</u>			
17.	* Lahore	1,772	47.	* Gilgit	
	Kasur	3,995		Skardu	
18.	Sheikhupura	5,959		Diamer	
19.	Gujranwala	5,988	<u>OTHER COUNTRIES</u>		
20.	Sialkot	5,353	49.	Afghanistan	
21.	* D.G. Khan	16,098	50.	India	
	Rajampur	8,142	51.	Iran	
22.	Muzaffargarh/Leiah	14,538			
23.	* Multan	10,848			
	Vehari	4,365			
24.	Sahiwal/Okara	10,303			
<u>BAHAWALPUR DIVISION</u>					
25.	Bahawalpur	24,830			
26.	Bahawalnagar	8,878			
27.	Rahim Yar Khan	11,880			

Note: "*" shows zone centre in case of plural districts in one zone.

Source: JICA Study Team.

Fig. 1.1.1 Zoning

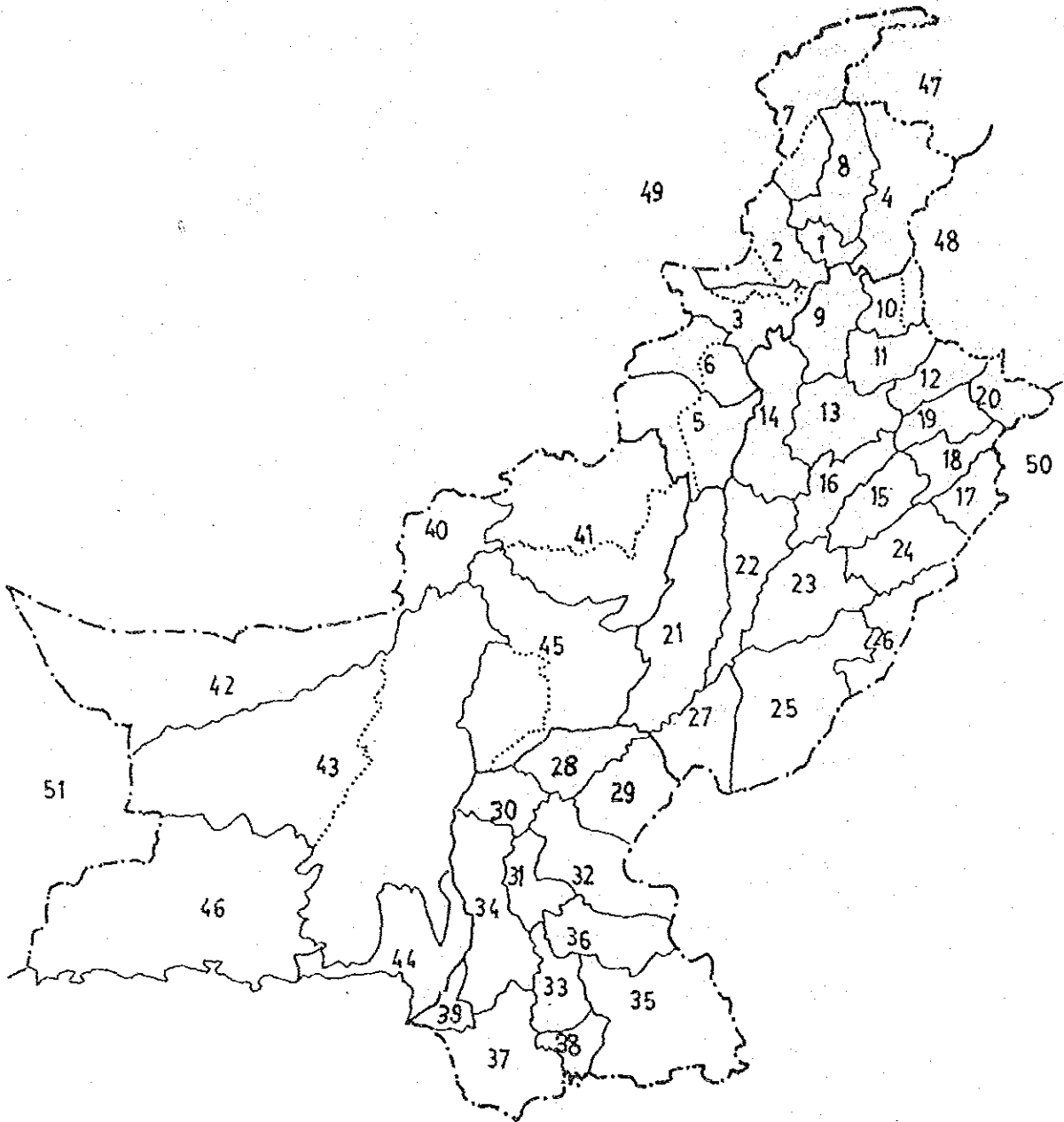


Table 1.1.2 Commodity Classification

Reclassified Commodity Code/Item	Pakistan Railway Commodity Code/Item	NTRC Road OD Survey Code
1. Wheat	8. Wheat	110
2. Rice	5. Paddy/Rice	120
3. Cotton	17. Cotton Raw	160
4. Edible Oil	34. Edible Oil	250, 260
	54. Vegetable Oil	250, 260
5. Sugar	13. Sugar	270
6. Cement	20. Cement	510
7. Fertilizer	26. Fertilizer	520
8. Iron & Steel	28. Iron/Steel (A)	670, 680
	29. " (B)	
	30. " (C)	
9. Mining Products	10. Gypsum	810
	11. Ballast/Stone	?
	12. Salt Rock	895
	15. Metallic Ore	
	56. Marble	
10. Coal & Coke	1. Coal, Coke, Fuel	910
11. Petroleum	2. Diesel Oil	930
	3. Furnace Oil	?
	18. Petrol	970
	19. Kerosene Oil	
	50. Lubricating Oil	
	51. Military Oil	
12. Firewood	4. Firewood	990
13. Sugarcane	35. Sugarcane	150
14. Fruits & Vegetable	23. Fruits/Vegetable Fresh	220, 230, 240, 280, 290
15. Livestock	38. Livestock	310
16. Rock Phosphate	49. Rock Phosphate	-
17. Railway Material	39. Coal, Coke for Railway	-
	40. Other Revenue Stores for H/L	

(Cont'd)

Reclassified Commodity Code/Item	Pakistan Railway Commodity Code/Item	NTRC Road OD Survey Code
	42. Coal, Coke for Foreign Railway	
	43. Capital Ballast	
	44. Revenue Ballast	
	45. Imprest Stores	
18. Railway Oil	59. H.S.D. Oil for Loco.	-
	60. Oil Fuel for Loco.	
19. Others	6. Other Grains/Pulses	All other items than above.
	7. Oil Seeds/Cotton Seeds	
	9. Wool	
	14. Timber	
	16. Hides/Skins	
	21. Piece Goods Cotton, Woolen or Silk	
	22. Grass Dry	
	24. Molasses	
	25. Jagree	
	27. Jute Manufactured	
	31. Machinery (General)	
	32. Machinery (Electrical)	
	33. Tobacco Unmanufactured	
	36. Miscellaneous Commodities	
	37. Military Traffic	
	46. Motor Cars/Tractors	
	47. Electric Fans/TV Sets, etc.	
	48. Salt NOC	
	52. Military Wheat	
	53. Oil Cake	
	55. Other Military Stores	
	57. Iron Scraps	
	58. —	
20. Total	- —	—

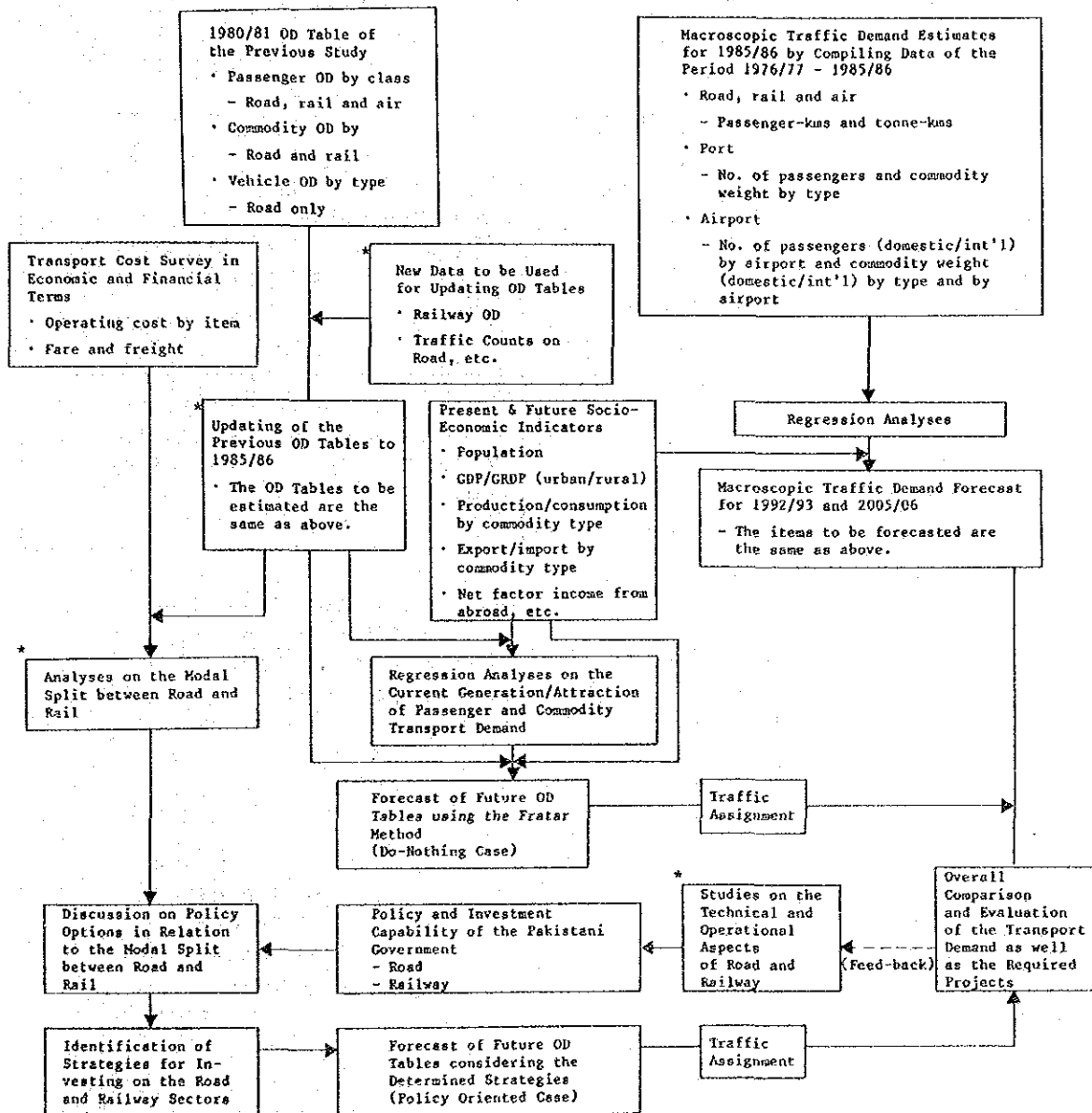
Note: This reclassification is the same as the previous NTPS (Masterplan) so that the comparison may be easily made with the previous NTPS results as well as the current commodity movement on road.

1.2 Methodology

1.2.1 Overall Methodology

The overall methodology of the transport demand forecast is as presented in Fig. 1.2.1.

Fig. 1.2.1 Overall Methodology of Transport Demand Forecast

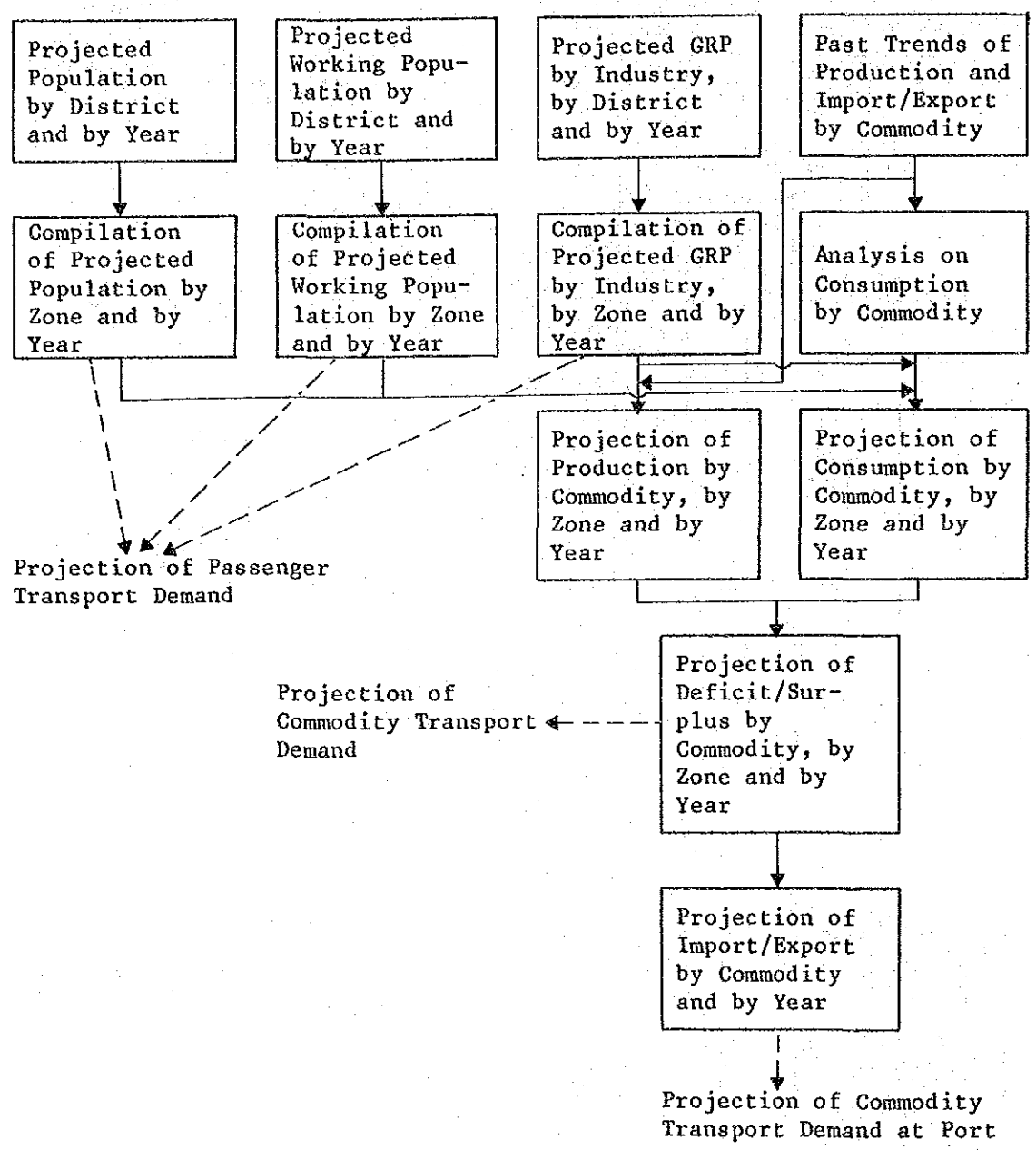


Note) * different/modified from the previous Master Plan

1.2.2 Interpretation of the National/Regional Socio-Economic Framework

The methodology for interpretation of the aforementioned national regional socio-economic framework is shown in Fig. 1.2.2.

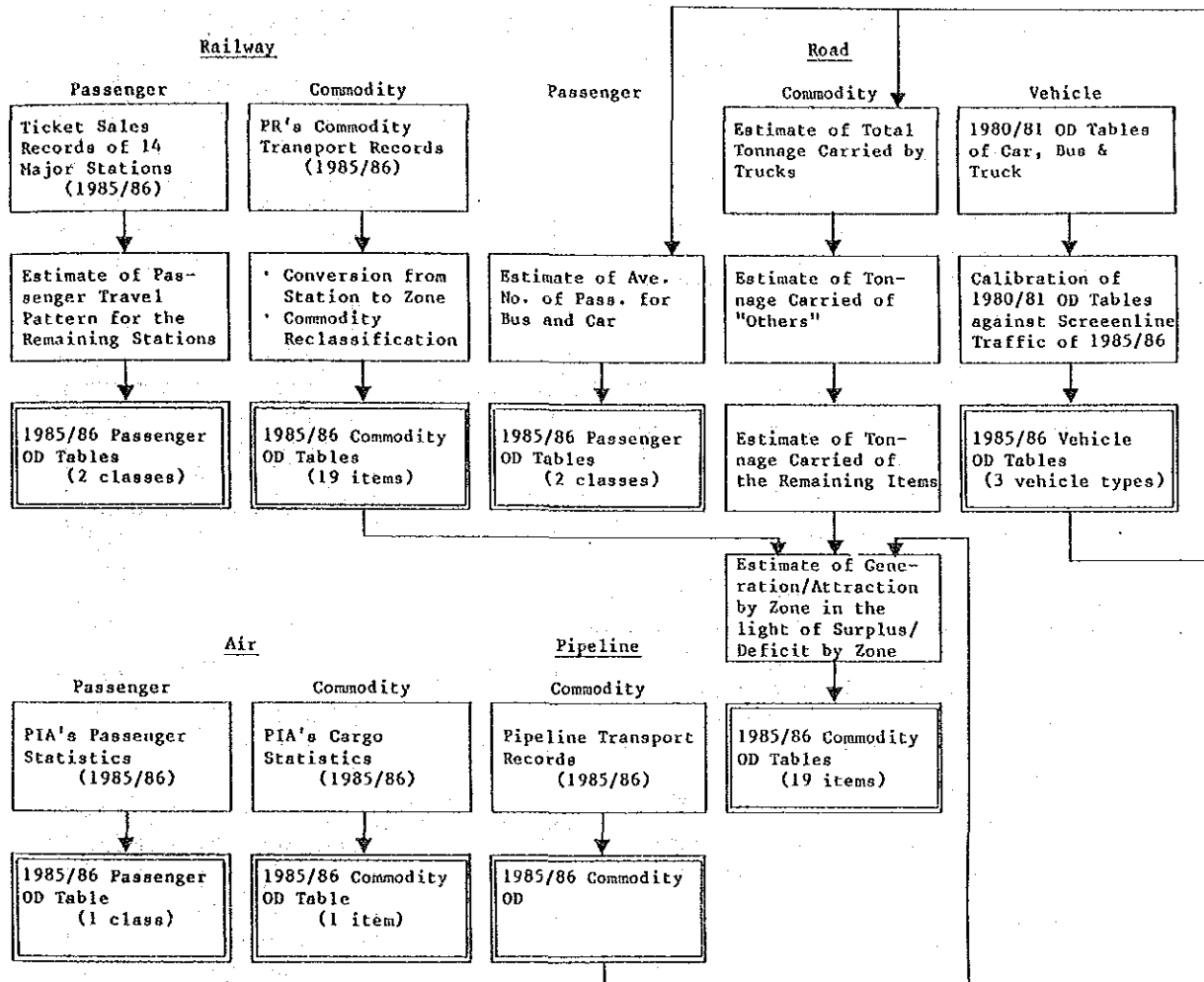
Fig. 1.2.2 Methodology for Interpretation of the National/Regional Socio-Economic Framework



1.2.3 Updating of OD Tables from 1980/81 to 1985/86

The OD tables as of 1980/81 of road, railway, air and pipeline are updated to 1985/86 based on the methodology shown in Fig. 1.2.3.

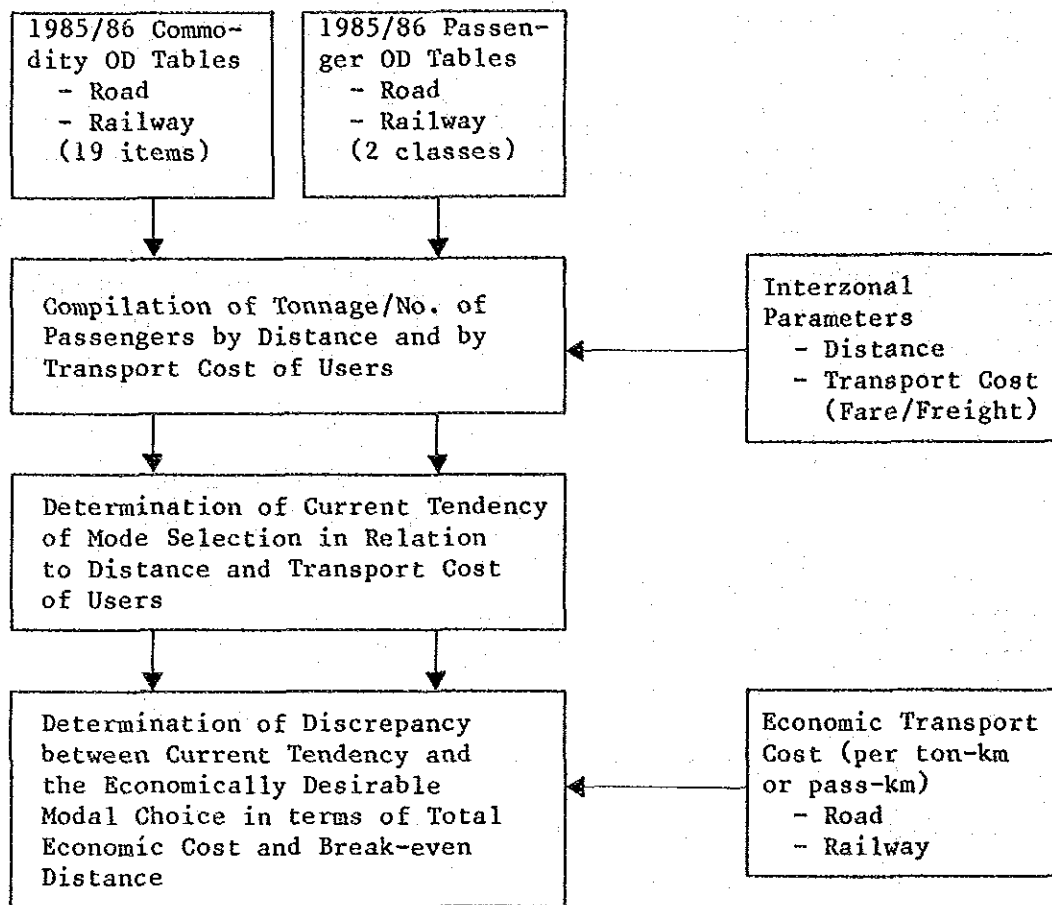
Fig. 1.2.3 Methodology for Updating OD Tables from 1980/81 to 1985/86



1.2.4 Analysis on Modal Choice

The analysis on modal choice focuses on the relation between roads and railways. Although the pipeline shares a certain percentage for some specific commodities, this will be preempted from the total amount. Analysis on the remaining amount is based on the updated 1985/86 OD tables and the methodology is presented in Fig. 1.2.4.

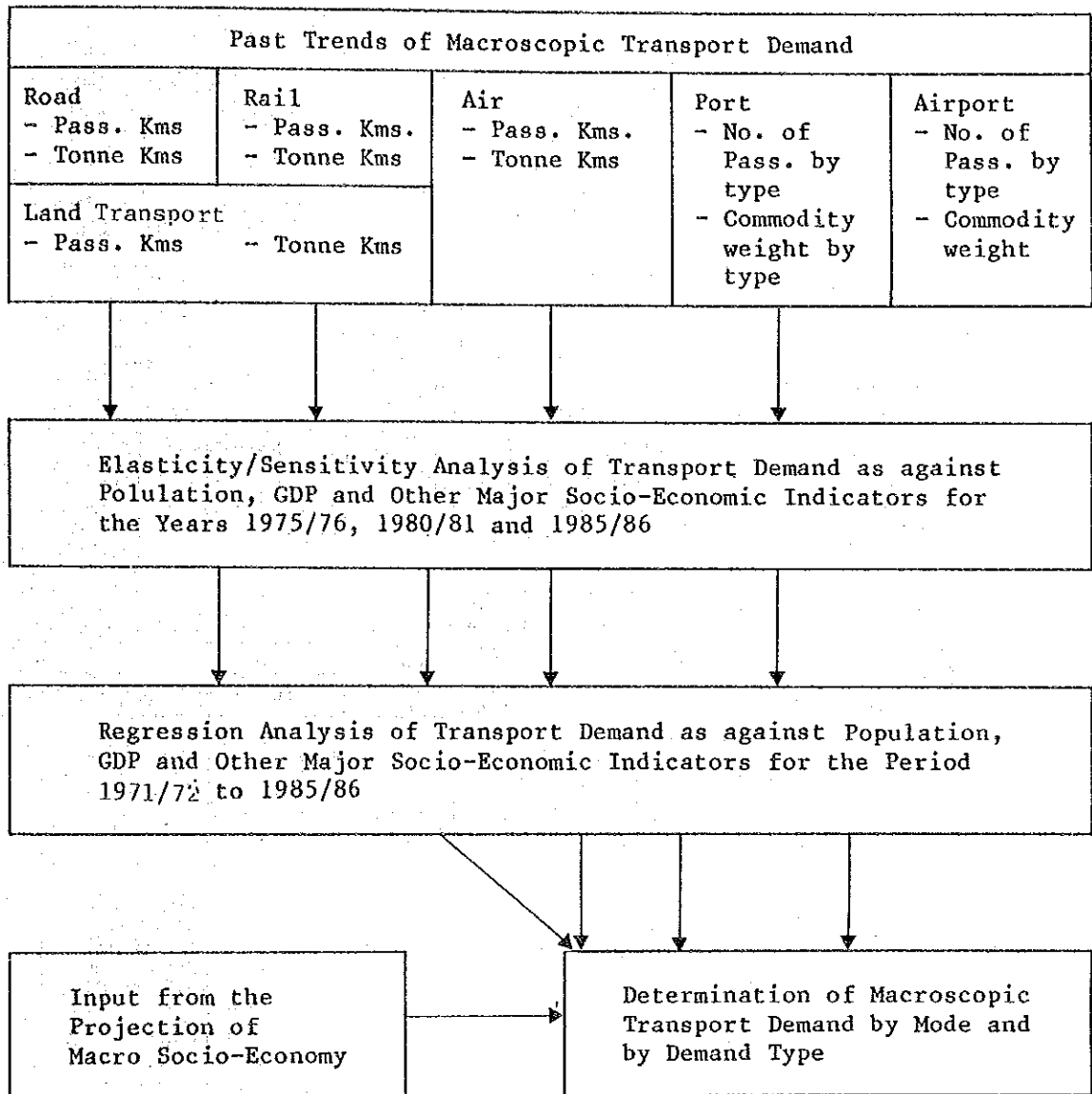
Fig. 1.2.4 Methodology for Analyzing Intermodal Relation between Road and Railway



1.2.5 Macroscopic Transport Demand Forecast

The methodology of macroscopic transport demand forecast is shown in Fig. 1.2.5.

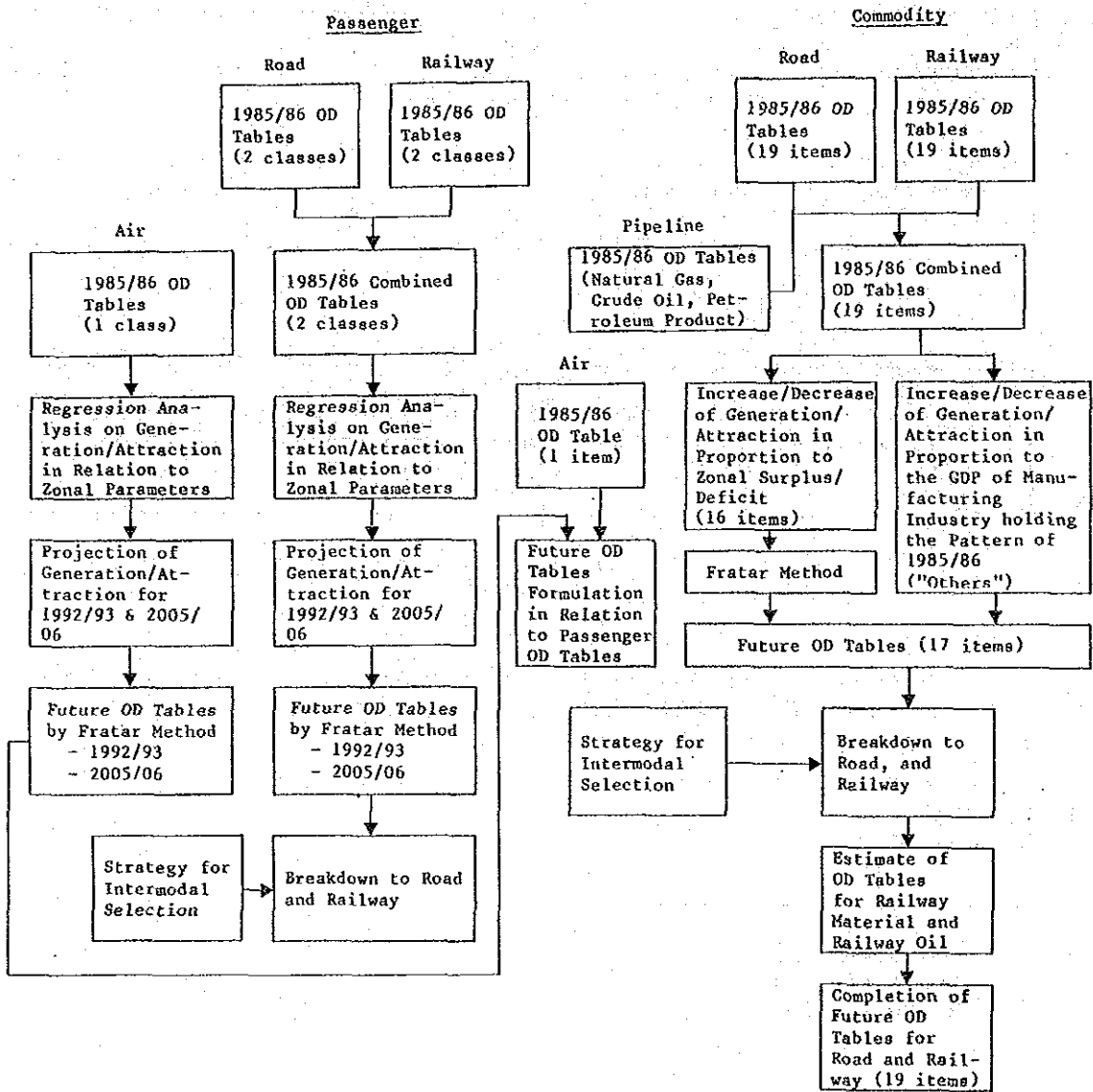
Fig. 1.2.5 Methodology for Macroscopic Transport Demand Forecast



1.2.6 Microscopic Transport Demand Forecast

The methodology of microscopic demand forecast is a combination of various techniques described in the preceding paragraphs, as shown in Fig. 1.2.6.

Fig. 1.2.6 Methodology for Microscopic Transport Demand Forecast



CHAPTER 2 INTERPRETATION OF THE NATIONAL/REGIONAL
SOCIO-ECONOMIC FRAMEWORK

2.1 Projection of Population by Zone

2.1.1 Population

Based on the estimated population by district, zonal population was estimated. Table 2.1.1 shows the interrelation between traffic zones and districts, and Table 2.1.2 shows the results.

2.1.2 Working Population by Industry

The same method as above was used to obtain the data of working population by industry and by zone. The results are presented in App. Tables 1-1 to 1-5.

Table 2.1.1 List of Districts/Agencies Included by Zone

Zone	Districts/Agencies Included (with 1981 Census Code)
1. Mardan	131. Mardan
2. Peshawar	132. Peshawar, 211. Bajour Ag., 212. Mohammad Ag., 213. Khyber Ag., 218. T.A. ad. Peshawar
3. Kohat	133. Kohat/Karak, 214. Khurram Ag., 215. Orakzai Ag., 219. T.A. ad. Kohat
4. Abbottabad	121. Kohistan, 122. Mansehra, 123. Abbottabad
5. D.I. Khan	142. D.I. Khan, 217. South Waziristan Ag., 221. T.A. ad. D.I. Khan
6. Bannu	141. Bannu, 216. North Waziristan Ag., 220. T.A. ad. Bannu
7. Dir	111. Chitral, 112. Dir
8. Swat	113. Swat, 114. Malakand
9. Attock	311. Attock
10. Rawalpindi	312. Rawalpindi, 611. Islamabad
11. Jhelum	313. Jhelum
12. Gujrat	314. Gujrat
13. Sargodha	322. Sargodha/Khushab
14. Mianwali	321. Mianwali/Bhakkar
15. Faisalabad	323. Faisalabad/T.T. Singh
16. Jhang	324. Jhang
17. Lahore	334. Lahore, 335. Kasur
18. Sheikhpura	333. Sheikhpura
19. Gujranwala	332. Gujranwala
20. Sialkot	331. Sialkot
21. D.G. Khan	341. D.G. Khan/Rajampur
22. Muzaffargarh	342. Muzaffargarh/Leiah
23. Multan	343. Multan, 344. Vehari
24. Sahiwal	345. Sahiwal/Okara
25. Bahawalpur	351. Bahawalpur
26. Bahawalnagar	352. Bahawalnagar
27. Rahim Yar Khan	353. Rahim Yar Khan
28. Shikarpur	411. Jacobabad, 413. Shikarpur
29. Sukkur (Rohri)	412. Sukkur
30. Larkana	414. Larkana
31. Nawabshah	415. Nawabshah
32. Khairpur	416. Khairpur
33. Hyderabad	422. Hyderabad
34. Dadu	421. Dadu
35. Tharparkar	425. Tharparkar
36. Sanghar	424. Sanghar
37. Thatta	426. Thatta
38. Badin	423. Badin
39. Karachi	431. Karachi
40. Quetta	511. Quetta, 512. Pishin
41. Loralai	513. Loralai, 514. Zhob
42. Chagai	515. Chagai
43. Kalat	531. Kalat, 533. Kharan
44. Lasbela	534. Lasbela
45. Sibi	521. Sibi, 522. Nasirabad, 523. Kachhi, 524. Kohlu/Dera Bugti, 532. Khuzdar
46. Gwadar	541. Turbat, 542. Gwadar, 543. Panjgur

Table 2.1.2 Projected Population by Zone (in thousand)

Zone	1980/81 (Census)	1985/86	1992/93	1997/98	2005/06
1. Mardan	1,507	1,709	2,013	2,246	2,623
2. Peshawar	3,229	3,522	4,023	4,461	5,250
3. Kohat	1,248	1,293	1,414	1,540	1,777
4. Abbottabad	2,701	3,139	3,799	4,351	5,297
5. D. I. Khan	981	1,077	1,230	1,365	1,611
6. Bannu	1,127	1,269	1,475	1,640	1,928
7. Dir	976	1,187	1,516	1,775	2,280
8. Swat	1,491	1,789	2,239	2,578	3,226
NWFP Total	13,260	14,985	17,709	19,956	23,992
9. Attock	1,144	1,249	1,392	1,505	1,699
10. Rawalpindi	2,461	2,785	3,302	3,755	4,669
11. Jhelum	1,167	1,240	1,326	1,395	1,504
12. Gujrat	2,255	2,489	2,817	3,082	3,542
13. Sargodha	2,553	2,853	3,282	3,630	4,235
14. Mianwali	1,378	1,569	1,857	2,093	2,523
15. Faisalabad	4,689	4,965	5,279	5,521	5,890
16. Jhang	1,978	2,263	2,694	3,053	3,704
17. Lahore	5,073	5,987	7,490	8,742	11,236
18. Sheikhupura	2,110	2,413	2,886	3,258	3,971
19. Gujranwala	2,676	3,097	3,766	4,305	5,349
20. Sialkot	2,712	2,936	3,242	3,460	3,850
21. D. G. Khan	1,583	1,898	2,441	2,907	3,748
22. Muzaffargarh	2,164	2,593	3,329	3,961	5,099
23. Multan	5,409	6,256	7,629	8,750	10,623
24. Sahiwal	3,612	4,262	5,351	6,266	7,864
25. Bahawalpur	1,454	1,724	2,181	2,567	3,349
26. Bahawalnagar	1,374	1,576	1,899	2,158	2,664
27. Rahim Yar Khan	1,841	2,148	2,648	3,063	3,884
Punjab Total	47,633	54,303	64,811	73,471	89,403
28. Shikarpur	1,632	1,897	2,328	2,676	3,306
29. Sukkur (Rohri)	1,098	1,274	1,553	1,765	2,127
30. Larkana	1,139	1,278	1,485	1,629	1,859
31. Nawabshah	1,647	1,833	2,100	2,284	2,567
32. Khairpur	981	1,160	1,452	1,683	2,091
33. Hyderabad	2,054	2,308	2,682	2,946	3,357
34. Dadu	1,077	1,263	1,559	1,790	2,186
35. Tharparkar	1,502	1,865	2,505	3,050	4,099
36. Sanghar	923	1,079	1,330	1,521	1,851
37. Thatta	761	809	868	900	935
38. Badin	777	888	1,058	1,182	1,385
39. Karachi	5,438	6,809	9,084	11,038	14,855
Sind Total	19,029	22,463	28,004	32,464	40,618
40. Quetta	760	975	1,266	1,457	1,789
41. Loralai	750	1,054	1,565	1,983	2,839
42. Chagai	120	162	229	279	378
43. Kalat	469	677	1,023	1,313	1,849
44. Lasbela	188	245	319	367	433
45. Sibi	1,392	1,795	2,382	2,759	3,399
46. Gwadar	653	990	1,569	2,098	3,134
Baluchistan Total	4,332	5,898	8,353	10,256	13,821
TOTAL	84,254	97,649	118,877	136,147	167,834

Source: JICA Study Team

2.2 Projection of Production by Commodity

2.2.1 Projection of GRP by Industry and by Zone

Based on the projected GRP by industry and by district, zonal GRP by industry was estimated. The results are shown in App. Tables 2-1 to 2-4.

2.2.2 Projection of Production by Commodity

The GRP by industry and by zone has been estimated for 1985/86, 1992/93, 1997/98 and 2005/06 as described in the preceding section. This section focuses on the production by zone and by year for each commodity (19 items as listed in Table 1.1.2) in tonnage.

The results are presented in Table 2.2.1, together with the past data. Basically, the future commodity-wise production was estimated based on the planned production capacity or, otherwise, the projected GDP of the relevant industry.

The production in tonnage of each commodity was estimated on the following criteria/assumptions:

- ① Wheat: The production of wheat was assumed to increase/decrease in proportion to the estimated GRP of wheat.
- ② Rice: The production of rice was assumed to increase/decrease in proportion to the estimated GRP of rice.
- ③ Cotton: The production of cotton was assumed to increase/decrease in proportion to the estimated GRP of cotton.
- ④ Edible Oil:
 - The production of edible oil was assumed to increase/decrease in proportion to the estimated GRP of large-scale food industry holding 59% for Punjab, 28% for Sind, 11% for NWFP and 2% for Baluchistan.
 - For zonal breakdown of production, the estimated GRP of large-scale food industry was used for Punjab and Sind, while number of ghee factories was used for NWFP and Baluchistan.
 - The provincial share in ghee production is shown in Table 2.2.2 which may endorse the above assumptions.

Table 2.2.1 (1) Past Trends and Future Projection of
Production by Commodity

(000 tons)

Year	1 Wheat	2 Rice	3 Cotton	4 Edible Oil	5 Sugar
1971/72	6,890	2,262	707	162	375
1972/73	7,442	2,330	702	187	429
1973/74	7,629	2,455	659	225	608
1974/75	7,673	2,314	634	272	502
1975/76	8,691	2,818	514	277	630
1976/77	9,144	2,737	435	326	736
1977/78	8,367	2,950	575	360	861
1978/79	9,950	3,272	473	422	607
1979/80	10,587	3,126	728	452	586
1980/81	11,475	3,123	715	505	851
1981/82	11,304	3,430	748	531	1,301
1982/83	12,414	3,445	824	513	1,127
1983/84	10,382	3,340	495	595	1,145
1984/85	11,703	3,315	1,008	640	1,306
1985/86	13,923	2,919	1,217	612	1,107
NWFP	907	114	0	82	42
Punjab	10,431	1,478	970	361	371
Sind	2,172	1,072	247	160	694
Baluchi.	413	255	0	9	0
1992/93	18,274	4,169	1,508	955	1,727
NWFP	1,277	180	0	105	121
Punjab	13,112	2,022	1,181	563	743
Sind	3,234	1,530	327	267	863
Baluchi.	651	437	0	20	0
1997/98	21,703	4,694	1,731	1,308	2,366
NWFP	1,593	217	0	144	166
Punjab	15,084	2,206	1,338	772	1,017
Sind	4,167	1,723	393	366	1,183
Baluchi.	859	548	0	26	0
2005/06	28,027	5,708	2,160	2,007	3,631
NWFP	2,155	281	0	221	254
Punjab	18,848	2,597	1,648	1,184	1,561
Sind	5,802	2,095	512	562	1,816
Baluchi.	1,222	735	0	40	0

Source: 1986/87 Economic Survey

Table 2.2.1 (2) Past Trends and Future Projection of
Production by Commodity

(000 tons)

Year	6 Cement	7 Fertilizer	8 Iron & Steel		Total
			Mild Steel Products	Pakistan Steel Mill	
1971/72	2,606	565	166	-	166
1972/73	2,878	703	184	-	184
1973/74	3,145	752	218	-	218
1974/75	3,320	785	224	-	224
1975/76	3,196	824	231	-	231
1976/77	3,071	824	270	-	270
1977/78	3,224	813	315	-	315
1978/79	3,023	938	362	-	362
1979/80	3,343	1,177	421	-	421
1980/81	3,538	1,605	495	-	495
1981/82	3,637	1,952	551	382	933
1982/83	3,938	2,575	637	458	1,095
1983/84	4,503	2,676	654	467	1,121
1984/85	4,698	2,714	719	651	1,370
1985/86	4,980	2,734	732	791	1,523
NWFP	878	88	7	0	7
Punjab	1,822	1,873	399	0	399
Sind	2,280	773	325	791	1,116
Baluchi.	0	0	1	0	1
1992/93	9,688	4,727	1,534	1,370	2,904
NWFP	1,938	236	13	0	13
Punjab	3,488	3,073	844	0	844
Sind	4,262	1,918	675	1,370	2,045
Baluchi.	0	0	2	0	2
1997/98	13,259	6,711	2,348	1,370	3,718
NWFP	2,519	336	21	0	21
Punjab	4,535	4,362	1,291	0	1,291
Sind	5,542	2,013	1,033	1,370	2,403
Baluchi.	663	0	3	0	3
2005/06	22,086	11,531	3,623	2,282	5,905
NWFP	4,196	577	32	0	32
Punjab	7,554	7,495	1,993	0	1,993
Sind	9,232	3,459	1,594	2,282	3,876
Baluchi.	1,104	0	4	0	4

Source: • 1986/87 Economic Survey
 • 1986 Statistical Yearbook
 • 1984/85 Annual Report of the Public Sector Industries under
 Ministry of Production

Table 2.2.1 (3) Past Trends and Future Projection of
Production by Commodity

9. Mining Products				
Year	Natural Gas (million m ³)	Limestone (000 tons)	Other Minerals (000 tons)	Limestone and Other Minerals (000 tons)
1971/72	3,516	2,628	530	3,158
1972/73	4,031	2,846	615	3,461
1973/74	4,598	3,258	819	4,077
1974/75	4,957	3,008	1,173	4,181
1975/76	4,965	2,968	995	3,963
1976/77	5,369	3,888	837	4,725
1977/78	5,632	4,029	1,116	5,145
1978/79	6,236	3,298	1,069	4,367
1979/80	7,317	2,798	1,217	4,015
1980/81	8,446	3,464	1,441	4,905
1981/82	9,109	3,682	1,218	4,900
1982/83	9,780	4,232	1,310	5,542
1983/84	9,768	4,696	1,309	6,005
1984/85	10,195	4,634	1,276	5,910
1985/86	10,768	6,313	1,499	7,812
NWFP	0	806	199	1,005
Punjab	706	2,649	970	3,619
Sind	2,192	2,816	259	3,075
Baluchi.	7,870	42	71	113
1992/93	26,090	9,221	2,975	12,196
NWFP	0	1,275	395	1,670
Punjab	1,417	4,137	1,925	6,062
Sind	9,041	3,745	514	4,259
Baluchi.	15,632	64	141	205
1997/98	43,067	12,632	3,833	16,465
NWFP	0	1,866	509	2,375
Punjab	1,474	6,056	2,480	8,536
Sind	16,416	4,622	662	5,284
Baluchi.	25,177	88	182	205
2005/06	69,078	20,595	5,246	25,841
NWFP	0	3,253	696	3,949
Punjab	2,352	10,485	3,395	13,880
Sind	26,440	6,711	906	7,617
Baluchi.	40,286	146	249	395

Source: 1986/87 Economic Survey

Table 2.2.1 (4) Past Trends and Future Projection of
Production by Commodity

Year	10. Coal & Coke			11. Petroleum	
	Coal (000 tons)	Coke (000 tons)	Total (000 tons)	Crude Oil (000 US barrels)	Petroleum Mix Product (000 tons)
1971/72	1,214	-	1,214	3,007	3,246
1972/73	1,192	-	1,192	3,061	3,263
1973/74	1,212	-	1,212	2,854	3,227
1974/75	1,295	-	1,295	2,443	3,078
1975/76	1,055	-	1,055	2,512	2,963
1976/77	1,200	-	1,200	3,643	3,064
1977/78	1,251	-	1,251	3,538	3,851
1978/79	1,387	-	1,387	3,710	3,782
1979/80	1,569	-	1,569	3,567	4,266
1980/81	1,577	-	1,577	3,554	4,278
1981/82	1,750	346	2,096	3,965	4,756
1982/83	1,609	370	1,979	4,738	4,566
1983/84	1,869	370	2,239	4,883	4,672
1984/85	2,238	451	2,689	9,522	5,046
1985/86	2,086	546	2,632	14,366	4,842
NWFP	30	0	30	0	0
Punjab	426	0	426	8,048	843
Sind	467	546	1,013	6,318	3,999
Baluchi.	1,163	0	1,163	0	0
1992/93	2,455	958	3,413	34,858	7,574
NWFP	35	0	35	0	0
Punjab	501	0	501	16,866	1,318
Sind	550	958	1,508	17,992	6,256
Baluchi.	1,369	0	1,369	0	0
1997/98	3,283	958	4,241	59,269	10,136
NWFP	47	0	47	0	0
Punjab	670	0	670	27,494	1,764
Sind	735	958	1,693	31,775	8,372
Baluchi.	1,831	0	1,831	0	0
2005-06	6,787	1,597	8,384	122,501	16,775
NWFP	98	0	98	0	0
Punjab	1,386	0	1,386	53,521	2,919
Sind	1,519	1,597	3,116	68,980	13,856
Baluchi.	3,784	0	3,784	0	0

Source: 1986/87 Economic Survey
1986 Statistical Yearbook
1986 Energy Yearbook

Table 2.2.1 (5) Past Trends and Future Projection of Production by Commodity

Year	12 Firewood (000 tons)	13 Sugarcane (000 tons)	14 Fruits/Vegetable (000 tons)	15 Livestock** (000 tons)	16 Rock Phosphate (000 tons)
1971/72	544	19,963	3,471	6,865	0
1972/73	481	19,947	3,705	6,977	0
1973/74	473	23,911	3,880	7,135	2
1974/75	329	21,242	4,050	7,285	15
1975/76	323	25,547	3,956	7,463	2
1976/77	549	29,523	3,786	7,653	0
1977/78	459	30,077	3,844	7,880	1
1978/79	576	27,326	4,182	8,036	3
1979/80	430	27,498	4,263	8,242	3
1980/81	446	32,359	4,476	8,449	1
1981/82	485	36,580	5,035	8,665	1
1982/83	476	32,534	5,491	8,912	0
1983/84	* 504	34,287	* 5,557	9,466	1
1984/85	* 530	32,140	* 5,806	10,095	1
1985/86	* 544	27,856	* 6,067	10,681	* 1
NWFP	238	3,553	888	2,000	1
Punjab	227	16,755	3,778	5,648	0
Sind	69	7,533	755	2,000	0
Baluchi.	10	15	646	1,033	0
1992/93	655	39,351	8,012	15,272	0
NWFP	287	4,625	1,651	2,858	0
Punjab	271	22,962	4,599	8,076	0
Sind	83	11,668	761	2,860	0
Baluchi.	14	96	1,001	1,478	0
1997/98	689	45,175	10,094	19,267	500
NWFP	301	4,972	2,130	3,603	500
Punjab	282	25,794	5,592	10,194	0
Sind	88	14,259	1,009	3,608	0
Baluchi.	18	150	1,363	1,862	0
2005/06	746	56,346	13,598	27,223	1,000
NWFP	326	5,775	2,897	5,083	1,000
Punjab	305	31,468	7,411	14,425	0
Sind	94	18,852	1,387	5,098	0
Baluchi.	21	251	1,903	2,617	0

Note: * estimated based on the GDP by sector.
 ** assumes that one egg weighs 60 grams and that 80% of gross production of milk is the actual amount for consumption.

Source: 1986/87 Economic Survey
 1986 NWFP Development Statistics

Table 2.2.2 Ghee Production Share by Province

	Large-Scale Manufacturing	Small-Scale Manufacturing	Indicator for Zonal Breakdown
Punjab	57.2%	69.1%	N.A.
Sind	28.7%	23.7%	N.A.
NWFP	} 14.1%	4.5%	No. of Factories by Zone
			Mardan - 1
			Peshawar - 2
			Abbottabad - 1
			D.I. Khan - 2
Baluchistan		2.7%	All Factories in Quetta
Total	100.0%	100.0%	
Weight of Production	96.0%	4.0%	

Source: 1981/82 CMI
 1983/84 SSHMA
 1986 NWFP Development Statistics
 1982/83 Baluchistan Development Statistics

⑤ Sugar:

- The future production of sugar was assumed to increase/decrease in proportion to the estimated GDP of large-scale food industry holding 43% for Punjab, 50% for Sind and 7% for NWFP.
- For zonal breakdown, the estimated GRP of large-scale food industry was also used.
- For Baluchistan, no production was assumed considering the negligible sugarcane production and the absence of sugar factories.
- The following Table 2.2.3 may support the above assumptions.

Table 2.2.3 Sugar Production Share by Province

	1982/83	1983/84	1984/85	1985/86	Average (%)
Punjab	38.4	49.6	50.0	33.5	42.9
Sind	50.8	42.9	*45.1	62.7	50.4
NWFP	10.8	7.5	* 4.9	3.8	6.7
Total	100.0	100.0	100.0	100.0	100.0

Note: * estimated

Source: 1985 Punjab Development Statistics
 1984 Sind Development Statistics
 1985 NWFP Development Statistics
 1986 Pakistan Statistical Yearbook
 1986/87 Economic Survey

⑥ Cement:

- Cement production was assumed to increase/decrease in proportion to the planned cement production capacity (195% for 1992/93, 266% for 1997/98 and 444% for 2005/06 as compared to 1985/86) holding 36% for Punjab, 44% for Sind and 20% for NWFP. Due to the possibility of cement production in Baluchistan, however, a 5% share is assumed to this province after 1997/98, when the rest is shared by other provinces as mentioned above.
- For zonal breakdown, the estimated GRP of cement/ceramics industry was used.
- Table 2.2.4 may support the above assumptions.

Table 2.2.4 Cement Production Share by Province

	1982/83	1983/84	1984/85	1985/86	Average (%)
Punjab	37.6	35.6	34.0	36.6	36.0
Sind	42.5	*43.6	*44.7	45.8	44.2
NWFP	19.9	*20.8	*21.3	17.6	19.8
Total	100.0	100.0	100.0	100.0	100.0

Note: * estimated

Source: 1985 Punjab Development Statistics
 1984 Sind Development Statistics
 1985 NWFP Development Statistics
 1986 Pakistan Statistical Yearbook
 1986/87 Economic Survey

⑦ Fertilizer:

- The future production of fertilizer was assumed to increase/decrease in proportion to the estimated GDP of chemicals industry holding 65% for Punjab, 30% for Sind and 5% for NWFP.
- For zonal breakdown, the estimated GRP of chemicals industry was used.
- The above assumptions were derived from Table 2.2.5.

Table 2.2.5 Fertilizer Production Share by Province

	1982/83	1983/84	1984/85	1985/86 (%)
Punjab	65.6	67.1	66.6	68.5
Sind	34.4	32.9	33.4	28.3
NWFP	-	-	-	3.2
Total	100.0	100.0	100.0	100.0

Source: 1986/87 Economic Survey
1985 Punjab Development Statistics

⑧ Iron & Steel:

- This commodity category can be divided into the following:
 - A. Mild Steel Products produced mainly by electric furnace
 - B. Steel Products produced by blast furnaces of Pakistan Steel Mill
- The former was assumed to increase according to the past trends upto the middle year of the 8th FYP (1995/96) and the increase rate after that year was assumed to diminish to one-half. The share by province is kept constant at 55% for Punjab, 44% for Sind and 1% for NWFP and Baluchistan. The zonal breakdown was made in proportion to the estimated GRP of metal/metal products.
- For Pakistan Steel Mill, it was assumed that the mill would be in full operation by the end of 1987/88, when most of the pig iron produced there is consumed inside the mill to produce other steel products. Although the mill is planned to be expanded to 1.5 million ton capacity during the 7th FYP period, it is likely for the mill to be expanded to its initially planned production capacity of 2.5 million tons by 2005/06. All transport demand pertinent to this mill shall be assigned to the zone of Karachi. Table 2.2.6 summarizes this projection.