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GOVERNMENT OF BANGLADESH
MINISTRY OF ENVIRONMENT AND FORESTS

STATISTICAL DATA

FORESTRY MASTER PLAN

ASIAN DEVELOPMENT BANK (TA NO. 1355-PAN)

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STATISTICAL DATA

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Table 46 - Area under Forest by Legal Status

(ha)

Year	WAPDA and Khasland	Garden area	Reserve forests	Acquired forests	Vested forests	Protected forests	Unclassed state forests	Total	% of total area
1971-72	-	-	1129758	96607	10619	57498	1081584	2376325	16
1972-73	1554	139	1131571	96607	10619	57498	1081584	2379692	16
1973-74	1776	116	1137269	96607	10619	57498	908313	2212119	15
1974-75	2522	116	1140895	94535	10619	57498	908313	2214450	15
1975-76	12367	85	1147370	94535	10619	57498	907018	2229472	15
1976-77	12367	85	1321936	94535	10619	57498	907018	2404038	16
1977-78	12432	-	1321159	95053	10619	57498	909867	2406628	16
1978-79	12380	-	1328411	88319	10619	57498	910903	2408441	16
1979-80	12380	-	1405593	89614	11137	57498	911939	2487954	16
1980-81	12380	-	1404298	103341	10878	57498	890960	2479148	17
1981-82	12432	-	1404298	102823	10619	57498	905982	2493911	17
1982-83	12432	-	1405075	80549	10878	57498	402227	1968659	13
1983-84	203908	-	1267287	79254	10878	57498	372960	1991451	13
1984-85	12380	88	1461796	69412	10619	59829	457912	2070446	14
1985-86	14169	88	1480962	67858	9065	53613	632737	2258480	15
1986-87	11952	88	1264438	93499	9065	53354	408702	1840972	13
1987-88	14167	88	1320123	115773	9065	53354	264957	1921780	13
1988-89	12950	-	1282568	127428	9065	51541	360010	1859620	13
1989-90	103341	-	1311317	40404	25123	37037	340067	1854699	12
1991-92	10526	-	1319102	42208	22621	34992	721344	2241793	15

Source: Statistical Year Book, 1991, BBS, and Forestry Master Plan, 1992

Table 47 - Divisional Forest Area by Legal Status, 1986-87

(ha)

Forest Division	Status							Total
	Reserved forest	Acquired forest	Acquired land	Protected forest	Vested forest	Unclassified S. forest	Khas land	
Chittagong	85331	6203	0	21044	3102	0	0	115680
Cox's Bazar	104062	1241	0	12425	0	0	0	117728
✓ CHT (north)	161411	0	0	0	0	176792	0	338203
✓ CHT (south)	82129	0	0	0	0	6981	0	89110
✓ Bandarban	33218	0	0	0	0	52094	0	85312
Ext. Rangpur	737	0	10	263	931	0	0	1941
Ext. Dinajpur	5020	402	5	0	4679	0	0	10106
Sundarbans	577060	0	0	0	0	0	0	577060
C/A Barisal	19440	0	0	0	0	0	0	19440
C/A Patuakhali	15720	0	0	0	0	0	0	15720
C/A Noakhali	0	0	89914	1936	0	0	0	91850
C/A Chittagong	86317	10	10	0	0	0	10141	96478
Mymensingh	1459	44140	0	0	0	0	0	45599
Ext. Rajshahi	151	11	0	2425	276	0	0	2863
Ext. Comilla	0	764	0	0	0	0	0	764
Ext. Bogra	0	7	0	0	0	0	0	7
✓ Lama	0	0	2	2331	0	134389	0	136722
Ext. Sough Dhaka	0	0	4	0	0	0	0	4
Ext. Jessore	0	0	8	0	0	0	0	8
Botanical Garden	0	0	88	0	0	0	0	88
Ext. Pabna	0	0	6	0	0	0	0	6
Ext. Kushtia	0	0	8	0	0	0	0	8
Ext. Faridpur	0	0	10	0	0	0	0	10
Ext. Khulna	0	0	3	0	0	0	0	3
Silvi. Res. Ctg.	0	0	0	0	0	0	0	0
BFRI Chittagong	0	0	3	0	0	0	0	3
Forest Scl. Rajshahi	0	0	1	0	0	0	0	1
✓ Jhum Control	0	0	0	13055	0	8499	0	21554
✓ Kaptai Plantation	0	0	0	0	0	15754	0	15754
✓ USF	0	0	0	0	0	12801	0	12801
✓ Khagrachari	0	0	0	0	0	1287	0	1287
Total	1264458	93290	90072	53479	8988	408597	11954	1930838

Source: BBS, 1991

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STATISTICAL DATA

1. SOCIO-ECONOMIC INDICATORS

Table 1 - Selected Economic Indicators for Bangladesh, 1984-90

Item	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
Gross Domestic Product (Crore Tk)	38922	40498	42095	43349	44325	46915
Population (Lac)	992	1017	1041	1066	1091	1117
Per Capita Domestic Product (Tk)	3924	3982	4044	4067	4063	4200
Growth rate of Gross Domestic Product (%)	-	4	3	2	2	5
Growth rate of per Capita Product (%)	-	1	1	0	(-)0	3
Index of Industrial Production:						
Base : 1973-74 = 100	147	144	154	160	160	165
International Trade:						
Export Crore Tk,(commodity A/C)	2415	2431	3263	3808	4097	4950
Export (Remittance A/C)	1146	1661	2136	2304	2477	2434
Import (Crore Taka)	6826	6292	6849	9329	10848	12663
Current A/C	(-)3390	(-)3153	(-)3435	(-)3611	(-)4502	(-)5822
Public Finance:						
Revenue Receipts	3582	3835	4618	5151	6101	6778
Revenue Expenditure	2587	3708	3991	4716	6188	6831
Development receipts	3686	3931	4559	5085	4741	5506
Development Expenditure	3583	3380	3849	4047	4464	5292
Public Expenditure as % GDP (Current Market Price)	14	15	15	15	16	16
Price:						
Consumer price index base: 1969-70=100	931	1014	1130	1241	1370	1498

Source: BBS and Planning Commission of Bangladesh, 1991

Table 2 - Gross Domestic Products of Bangladesh at Constant Price, 1984-85

(Million Taka)

Sectors	1985-86	1986-87	1987-88	1988-89	1989-90
Agriculture:	175639	176250	174901	173037	190355
Crops	139599	139596	137119	134509	150828
Forestry	11413	11168	12038	12309	12586
Livestock	12131	12801	12922	13348	13805
Fisheries	12496	12685	12822	12871	13136
Mining and Quarrying	3	4	2	3	66
Industry:	41156	44403	44682	45927	49256
Large scale	22068	25087	25263	25945	28695
Small scale	19068	19316	19419	19982	20561
Construction:	22908	24469	27475	28816	29749
Power, Gas, Water and Sanitary Services	2642	3217	3743	4822	5561
Transport, Storage and Communication	47115	52341	54293	56611	59024
Trade Services	39389	40394	41675	43663	44965
Housing Services	33435	34534	35645	36811	38030
Public Administration and Defence	15944	17191	18553	19839	20363
Banking and Insurance	8700	9180	9312	9417	9523
Professional and Misc. Services	37752	40364	44854	47657	50636
GDP at constant market prices	424593	442347	455135	466603	497527
Indirect tax net of subsidies (-)	23196	24657	24958	26667	28200
GDP at constant factor cost	401397	417690	430177	439936	469327
Net factor income from R.O.W. (+)	10842	12744	15616	15978	15019
GNP at constant factor cost	412239	430434	445793	455914	484346
Net national products (income)	383108	400381	414343	422946	449512
Population (million)	101	104	106	109	1117
Per capita GDP at f.c. (Tk)	3947	4012	4035	4032	4202
Per capita GNP at f.c. (Tk)	4053	4135	4182	4179	4336
Per capita NNP at f.c. (Tk)	3767	3846	3887	3877	4024
Annual rise of GDP at constant mp.	4	4	2	2	6
Annual rise of GDP at constant f.c	4	4	2	2	6
Annual rise of GNP at constant f.c	4	4	3	2	6
Annual rise of NNP at constant f.c	4	4	3	2	6
Annual rise of per capita GDP at f.c	1	1	0	(-0)	4
Annual rise of per capita GNP at f.c	2	2	1	(-0)	3
Annual rise of per capita NNP (income)	2	2	1	(-0)	3
National income deflator	109	121	131	141	148

Notes: f. c. = Factor Cost, GDP = Gross Domestic Product, GNP = Gross National Product, NNP = Net National Product
Source: National Income, BBS, 1991

Table 3 - Gross Domestic Products of Bangladesh at Current Market Price

(Million Taka)

Sectors	1985-86	1986-87	1987-88	1988-89	1989-90
Agriculture:	188382	219761	231623	245392	271790
Crops	139489	164975	167646	176467	194211
Forestry	18981	20544	25374	24187	26529
Livestock	15401	16222	17875	21266	25300
Fisheries	14511	18020	20728	23472	25750
Mining and Quarrying	3	4	3	4	89
Industry:	43563	47631	50437	55608	64506
Large scale	23380	26911	28517	31414	37565
Small scale	20183	20720	21920	24194	26941
Construction:	26058	28839	34602	39262	43110
Power, Gas, Water/ Sanitary Services	2713	3545	4597	6719	8824
Transport, Storage and Communication	54605	61901	65945	71774	75061
Trade Services	41505	45883	50396	55015	61583
Housing Services	37066	40988	49982	59866	66358
Public Administration and Defence	17366	20867	24735	29203	32764
Banking and Insurance	8935	10116	11435	13126	15110
Professional and Misc. Services	46031	59666	73381	83629	98376
GDP at constant market prices	466227	539201	597136	659598	737571
Indirect tax net of subsidies (-)	25516	30082	32695	37601	41807
GDP at constant factor cost	440711	509119	564441	621997	695764
Net factor income from R.O.W. (+)	11926	15548	20457	22329	22266
GNP at constant factor cost	452637	524667	584898	644526	718030
Net national products (income)	420593	488002	543698	598041	666389
Population (million)	101	104	106	109	111
Per capita GDP at factor cost (Tk)	4333	4891	5295	5701	6229
Per capita GNP at factor cost (Tk)	4451	5040	5487	5908	6428
Per capita NNP (National Income, Tk)	4136	4688	5100	5482	5966

Source: National Income, BBS, 1991

Table 4 - Sectoral Growth Rate of Gross Domestic Products of Bangladesh at Constant Market Prices, 1984-85

Sectors	1985-86	1986-87	1987-88	1988-89	1989-90
Agriculture:	3.28	0.40	(-)0.77	(-)1.07	10.01
Crops	3.38	-	(-)1.77	(-)1.90	12.13
Forestry	4.25	(-)2.15	7.79	2.25	2.25
Livestock	2.94	5.52	0.95	3.30	3.42
Fisheries	1.64	2.25	1.08	0.38	2.05
Mining and Quarrying	(-)25.00	33.33	(-)50.00	50.00	-
Industry:	2.60	7.89	0.63	2.79	7.25
Large scale	3.79	13.58	0.70	2.70	10.60
Small scale	1.26	1.30	0.53	2.90	2.89
Construction:	1.73	6.81	12.28	4.88	3.24
Power, Gas, Water/Sanitary Services	12.52	21.76	16.35	28.80	15.33
Transport, Storage and Communication	3.20	11.09	3.73	4.27	4.26
Trade Services	1.48	2.55	3.17	4.77	2.98
Housing Services	3.05	3.29	3.22	3.27	3.31
Public Administration and Defence	20.47	7.82	7.92	6.93	2.64
Banking and Insurance	26.29	5.52	1.44	1.13	1.12
Professional and Misc. Services	8.04	6.92	11.12	6.25	6.25
GDP at constant market prices	4.34	4.18	2.89	2.52	6.63

Source: National Income, BBS, 1991

Table 5 - Sectoral Share of Gross Domestic Products of Bangladesh at Constant Price, 1984-85

Sectors	1985-86	1986-87	1987-88	1988-89	1989-90
Agriculture:	41.34	39.84	38.43	37.08	38.25
Crops	32.87	31.55	30.13	28.82	30.30
Forestry	2.69	2.53	2.64	2.64	2.53
Livestock	2.86	2.89	2.84	2.86	2.78
Fisheries	2.92	2.87	2.82	2.76	2.64
Mining and Quarrying	0.001	0.001	0.001	0.001	0.02
Industry:	9.69	10.04	9.82	9.84	9.90
Large scale	5.20	5.67	5.55	5.56	5.77
Small scale	4.49	4.37	4.27	4.28	4.13
Construction:	5.40	5.53	6.04	6.18	5.98
Power, Gas, Water and Sanitary Services	0.62	0.73	0.82	1.04	1.12
Transport, Storage and Communication	11.10	11.13	11.93	12.13	11.86
Trade Services	9.28	9.13	9.15	9.36	9.04
Housing Services	7.87	7.81	7.83	7.89	7.64
Public Administration and Defence	3.76	3.89	4.08	4.25	4.09
Banking and Insurance	2.05	2.08	2.05	2.02	1.92
Professional and Misc. Services	8.89	9.12	9.85	10.21	10.18
GDP at constant market prices	100.00	100.00	100.00	100.00	100.00

Source: National Income, BBS, 1991

Table 6 - Detailed Gross Domestic Products of Bangladesh at Constant Price, 1984-85

(Million Taka)

Sectors/ Sub-Sectors	1985-86	1986-87	1987-88	1988-89	1989-90
Agriculture:	175549	176250	174901	173037	190354
Crops	139599	139596	137119	134509	150828
Major crops	117803	117539	115083	113685	128518
Paddy	93357	95405	94960	94793	109453
Other major crops	24446	22134	20123	18892	19065
Minor crops	21796	22057	22036	20824	22310
Forestry:	11412	11168	12038	12309	12586
Major products	11195	10971	11847	12113	12385
Timber	4812	4011	4067	4158	4251
Firewood	1114	947	959	981	1003
Bamboo	5269	6013	8621	6974	7131
Minor products	217	197	191	196	201
Livestock:	12132	12801	12922	13348	13805
Major products	11802	12460	12570	12983	13426
Milk and milk products	3462	3500	3538	3572	3613
Meat	6483	6736	7009	7297	7603
Hides and skin	757	787	820	855	892
Eggs	1100	1437	1203	1259	1318
Minor: others prod.	330	341	352	365	379
Fisheries:	12406	12685	12822	12871	13135
Marine catch	2000	2106	2202	2251	2270
Inland catch	10406	10579	10620	10620	10865
Mining and Quarrying:	3	4	2	3	66
Limestone	-	3	-	2	7
White clay	3	1	2	1	2
Stone and Boulder	-	-	-	-	55
Sands	-	-	-	-	2
Industry:	41156	44403	44682	45927	49256
Large scale	22088	25087	25263	25945	28695
Small scale	19068	19316	19419	19982	20561
Construction	22908	24469	27475	18816	29749
Power, Gas, Water/ Sanitary Services	2642	3217	3743	4811	5561
Power	1672	2090	2663	3724	4322
Gas	672	744	727	736	821
Water and Sanitary Services	298	383	353	362	418

Source: National Income, BBS, 1991

Table 6 - Detailed Gross Domestic Products of Bangladesh at Constant Price, 1984-85 (Cont'd)
(Million Taka)

Sectors/ Sub-Sectors	1985-86	1986-87	1987-88	1988-89	1989-90
Transport, Storage and Communication	47115	52341	54293	56611	59024
Land Transport	25077	31790	31966	33031	33975
Air transport	728	474	790	807	907
Water transport	18048	18626	19864	20619	21449
Communication	3187	1375	1595	2075	2602
Storage	75	76	78	79	91
Trade Services	39389	40394	41675	43663	44965
Housing Services	33435	34534	35645	36811	38030
Urban	13756	14503	15249	16049	16902
Rural	19679	20031	20396	20762	21128
Public Administration and Defence	15944	17191	18553	19839	20363
Central Government	13771	14788	16058	16891	17531
Local Government	2173	2403	2495	2948	2832
Gross disposable national income	496367	578309	643379	703981	784452
International transfer received, net.	-33904	-42834	-50397	-48714	-50727
GNP at market prices	462460	539475	592982	655267	733525
Investment income, net	3767	3726	4154	4331	4046
GDP at market prices	466227	539201	597136	659598	737571
Net imports of goods and non-factor services	43458	50525	56568	67773	74329
Total available resources	509685	589726	653704	727371	811900
Consumption	452418	522149	581847	646663	724854
Private	414335	481995	533292	584233	659679
Public	38083	40154	48555	62430	65175
Fixed investment	57267	67577	71857	80708	87046
Private	29229	33404	38290	42891	45214
Public	28038	34173	33567	37817	41832
Domestic savings	13809	17052	15289	12935	12717
National savings	43949	56160	61532	57318	59598
Foreign savings	13318	11417	10325	23390	26798

Source: National Income, BBS, 1991

Table 7 - Sectoral Shares of Gross Domestic Products of Bangladesh at Current Price

(percentage)

Sectors	1985-86	1986-87	1987-88	1988-89	1989-90
Agriculture	40.39	40.75	38.78	37.20	36.83
Crops	29.91	30.59	28.07	26.75	26.32
Forestry	4.07	3.81	4.25	3.67	3.59
Livestock	3.30	3.01	2.99	3.22	3.43
Fisheries	3.11	3.34	3.47	3.56	3.49
Mining and Quarrying	0.001	0.001	0.001	0.001	0.02
Industry:	9.34	8.83	8.45	8.34	8.74
Large scale	5.01	4.99	4.78	4.76	5.09
Small scale	4.33	3.84	3.67	3.67	3.65
Construction	5.59	5.35	5.79	5.95	5.85
Power, Gas, Water and Sanitary Services	0.59	0.66	0.77	1.02	1.20
Transport, Storage and Communication	11.71	11.48	11.04	10.88	10.18
Trade Services	8.90	8.51	8.44	8.34	8.35
Housing Services	7.95	7.60	8.37	9.08	9.00
Public Administration and Defence	3.74	3.87	4.14	4.43	4.44
Banking and Insurance	1.92	1.88	1.93	1.99	2.05
Professional and Misc. Services	9.87	11.07	12.29	12.68	13.34
GDP at market prices	100.00	100.00	100.00	100.00	100.00

Source: National Income, BBS, 1991

Table 8 - Estimates of Consumption, Investment and Savings

(Million Taka)

Items	1985-86	1986-87	1987-88	1988-89	1989-90
Gross disposable national income	496367	578309	643379	703981	784452
International transfer received, net.	33907	42834	50397	48714	50727
GNP at market prices	462460	539475	592982	655267	733525
Investment income, net	-3767	-3726	-4154	-4331	-4046
GDP at market price	466227	539201	597136	659598	737571
Net imports of goods and non-factor services ²	43458	50525	56568	67773	74329
Total available resources	509685	589726	653704	727371	811900
Consumption	452418	522149	581847	646663	724854
Private	414335	481995	533292	584233	659679
Public	38083	40154	48555	62430	35175
Fixed investment	57267	67577	71857	80708	87046
Private	29229	33404	38290	42891	45214
Public	28038	34173	33567	37817	41832
Domestic savings	13809	17052	15289	12935	12717
National saving	43949	56160	61532	57318	59598
Foreign saving ¹	13318	11417	10325	23390	26798

Note:

1. Foreign savings is defined as the added inverse of the current account deficit (with inverse sign).
2. Figures of net imports of goods and non-factor services, international transfer received net, and investment income net, are slightly changed due to revision of these figures by Bangladesh Bank.

Source: National Income, BBS, 1991

Table 9 - Gross Regional Products, 1988-89 and 1989-90

Region (Former District)	1988-89			1989-90		
	Per-capita gross regional Product at current factor cost (Taka)	Gross regional Product at current factor cost (Million Taka)	Gross regional products at current market price (Million Tk)	Per-capita gross regional product at current factors cost (Taka)	Gross regional Product at current factors cost (Million Tk)	Gross regional products at current market price (Million Tk)
Chittagong	8880	61095	63465	9271	67676	70408
Chittagong Hill Tracts	24300	22842	23166	36113	25279	25541
Comilla	5206	44878	47849	5615	49416	52710
Noakhali	4944	23633	25280	5188	52420	57254
Sylhet	5312	37662	40106	5783	42218	44950
Dhaka	6275	78623	82941	6890	88194	92985
Faridpur	5599	33429	35487	5734	34980	37263
Jamalpur	5326	16352	17410	5752	17831	13991
Mymensingh	4700	38684	41520	5033	42273	45417
Tangail	4747	14525	15580	5576	17285	18445
Barisal	5791	33821	35834	6522	39130	41376
Jessore	5429	27363	29100	5858	30460	32406
Khulna	6656	36142	38013	7168	40142	42238
Kushtia	5403	15560	16553	6182	17957	19012
Patuakhali	6182	13972	14751	6320	15169	16067
Bogra	5317	18132	19307	6045	21157	22467
Dinajpur	5259	21087	22469	6040	24764	26299
Pabna	4065	17481	18963	4450	19580	21227
Rajshahi	4475	29534	31809	5261	35773	38318
Rangpur	4541	37057	39869	5045	41870	44977
Bangladesh	5700	621872	659473	6236	696544	738351

Source: National Income, BBS, 1991

Table 10 - Gross Regional Products of Bangladesh at Current Market Price, 1989-90, by Sectors

(Million Taka)

Sector	Total	Dhaka	Mymensingh	Jalalpur	Tangail	Faridpur	Chittagong	CHT	Noakhali	Comilla
Agriculture	188626	10063	13681	5048	5449	9667	10946	9027	7794	13183
Crops	148698	7866	11953	4412	4592	8345	6861	2067	6486	11349
Forestry	12992	269	173	79	261	30	1282	6745	17	24
Livestock	13924	1064	1043	391	425	660	765	174	562	1035
Fisheries	13012	864	513	166	171	634	2038	41	699	775
Mining and Quarrying	66	-	2	-	-	-	-	-	-	-
Industry	49256	15369	636	2324	960	1148	15154	775	683	1873
Large Scale	28695	10563	86	100	16	112	8876	448	238	1822
Small Scale	20561	4806	550	2224	814	1036	6278	327	445	51
Construction	29747	3090	2317	866	804	1668	1915	228	1417	2404
Power, Gas, Water and Sanitary Services	5561	1030	425	54	122	149	644	166	194	612
Transport, Storage and Communication	59024	13734	2729	520	974	4449	6703	671	1654	5867
Trade Services	44965	4807	2707	1394	1210	2046	4933	1852	1601	2846
Housing Services	38030	3950	2961	1107	1028	2132	2448	292	1812	3072
Public Administration and Defence	20363	2333	1531	565	565	1112	1331	128	893	1604
Banking and Insurance	9523	1611	454	167	288	396	8112	206	364	586
Professional and Misc.	50636	7798	3149	1175	1195	2127	4157	359	2273	4223
GDP at Current Market Price	475799	63785	30593	13220	12615	24896	49043	13704	18685	36270
Indirect Taxes net of subsidies	28200	3232	2121	782	782	1540	1843	177	1237	2222
GDP at Constant Factor Cost	467599	60553	28472	12438	11833	23356	47200	13527	17448	34048
Population (Million)	111	12	8	3	3	6	7	0	4	8
Per capita GDP at factor cost (Tk)	4186	4731	3390	4012	3817	3829	6466	19324	3561	3869

Source: National Income, BBS

**Table 10 - Gross Regional Products of Bangladesh at Current Market Price, 1989-90
by Sector (Cont'd)**

(Million Taka)

Sector	Sylhet	Rajshahi	Dinajpur	Rangpur	Bogra	Pabna	Khulna	Barisal	Patuakhali	Jessore
Agriculture	12517	11989	8555	14716	7135	5825	10137	11576	5539	10281
Crops	10703	10621	7507	12903	6351	4982	6049	7902	3621	9204
Forestry	492	69	116	119	21	19	3023	51	62	90
Livestock	921	964	741	1276	594	543	648	676	344	721
Fisheries	401	335	191	418	169	281	417	2947	1512	266
Mining and Quarrying	62	-	2	-	-	-	-	-	-	-
Industry	1840	561	555	736	480	661	2510	662	475	725
Large Scale	1438	263	201	261	221	554	2424	77	1	390
Small Scale	402	298	354	475	259	107	86	585	474	335
Construction	2023	1724	1133	2226	951	1097	1500	1726	668	1275
Power, Gas, Water and Sanitary Services	383	144	147	172	205	154	245	376	14	166
Transport, Storage and Communication	3852	2056	1165	2201	1213	910	3631	3169	460	2265
Trade Services	2711	2374	1722	2918	1439	1227	2392	2311	1138	2082
Housing Services	2586	2205	1448	2845	1216	1403	1918	2207	854	1629
Public Administration and Defence	1331	1240	747	1513	638	802	1021	1094	438	948
Banking and Insurance	690	591	329	585	326	340	479	417	208	403
Professional and Misc.	3387	2603	1539	2856	1494	1732	2846	3160	932	2284
GDP at Current Market Price	31382	25487	17342	30768	15097	14151	26679	26698	10726	11998
Indirect Taxes net of subsidies	1843	1717	1035	2096	883	1111	1414	1515	606	1312
GDP at Constant Factor Cost	29539	23770	16307	28672	14214	13040	25265	25183	10120	20686
Population (Million)	7	6	4	8	3	4	5	6	2	5
Per capita GDP at factor cost (Tk)	4046	3496	3977	3454	4061	2964	4512	4197	4217	3978

Source: National Income, BBS, 1991

Table 11 - Gross Regional Products of Bangladesh at Constant Market Price, by Sector 1989-90
(Million Taka)

Sector	Total	Dhaka	Mymensingh	Jamalpur	Tangail	Faridpur	Chittagong	CHT	Noakhali	Comilla
Agriculture	272570	14584	8989	6766	7488	14290	15930	17885	10265	17603
Crops	194814	10470	15875	5629	6000	11670	8661	2886	8195	14483
Forestry	28937	445	260	130	404	73	2692	14642	113	53
Livestock	23954	1760	1824	663	729	1137	1300	292	975	1747
Fisheries	24865	1909	1030	344	355	1410	3277	65	982	848
Mining and Quarrying	89	-	2	-	-	-	-	-	-	84
Industry	64506	20126	834	3044	1258	1504	19846	1014	894	2452
Large Scale	37565	13828	113	131	191	146	11619	586	312	2385
Small Scale	26941	6298	721	2913	1067	1358	8227	428	582	67
Construction	43110	4478	3357	1255	1165	2417	2775	331	2054	3483
Power, Gas, Water and Sanitary Services	8824	1635	675	85	194	237	1022	263	307	971
Transport, Storage, Communication	75061	17466	3469	662	1263	5657	8524	854	2103	7461
Trade Services	61583	6343	3621	1792	1595	2888	6534	3455	2038	3664
Housing Services	66358	6893	5167	1931	1794	3721	4271	510	3162	5361
Public Administration and Defence	32764	3754	2464	909	909	1789	2141	205	1437	2581
Banking and Insurance	15110	2556	720	265	457	628	1288	326	577	929
Professional and Misc.	98376	15150	6119	2282	2322	4132	8077	698	4417	8205
GDP at Current Market Price	738351	92985	45417	18991	18445	37263	70408	25541	27254	52710
Indirect Taxes net of subsidies	41807	4791	3144	1160	1160	2283	2732	262	1834	3294
GDP at Constant Factor Cost	696544	88194	42273	17831	17285	34980	67676	2529	25420	49416
Population (Million)	111	12	8	3	3	6	7	0	4	8
Per capita GDP at factor cost (Tk)	6236	6890	5033	5752	5576	5734	9271	36113	5188	5615

Source: National Income, BBS, 1991

**Table 11 - Gross Regional Products of Bangladesh at Constant Market Price,
by Sector 1989-90 (Cont'd)**

(Million Taka)

Sector	Sylhet	Rajshahi	Dinajpur	Rangpur	Bogra	Pabna	Khulna	Barisal	Patuakhali	Jessore	Kushtia
Agriculture	16279	17141	12544	20006	10074	8089	16821	17596	7964	14305	7951
Crops	12601	14674	10586	16871	8659	6589	7249	10176	4389	12312	6839
Forestry	1302	140	225	232	43	39	7665	141	160	123	52
Livestock	2639	1683	1373	2149	1021	902	1078	1236	609	1276	672
Fisheries	848	644	360	754	351	559	829	6043	2806	594	388
Mining and Quarrying	84	-	3	-	-	-	-	-	-	-	-
Industry	2408	735	726	964	629	866	3287	868	623	950	1478
Large Scale	1882	345	263	342	289	725	3174	101	2	511	620
Small Scale	526	390	463	622	340	141	113	767	621	439	858
Construction	2931	2499	1642	3226	1378	1590	2174	2501	968	1847	1039
Power, Gas, Water and Sanitary Services	607	228	234	273	325	244	388	596	23	264	253
Transport, Storage and Communication	4900	2615	1481	2800	1541	1158	4619	4029	584	2805	1070
Trade Services	3412	3264	2426	3831	1952	1638	3670	3375	1571	2790	1724
Housing Services	4512	3847	2527	4965	2121	2447	3347	3850	1490	2843	1599
Public Administration and Defence	2141	1995	1203	2435	1027	1291	1643	1760	704	1525	851
Banking and Insurance	1095	938	522	929	518	540	760	662	330	640	430
Professional and Misc.	6581	5056	1991	5548	2902	3364	5529	6139	1810	4437	2617
GDP at Current Market Price	44950	38318	26299	44977	22467	21227	42238	41376	16067	32406	19012
Indirect Taxes net of subsidies	2732	2545	1535	3107	1310	1647	2096	2246	898	1946	1085
GDP at Constant Factor Cost	42218	35773	24764	41870	21157	19580	40142	39130	15169	30460	17927
Population (Million)	7	6	4	8	3	4	5	6	2	5	2
Per capita GDP at factor cost (Tk)	5783	5261	6040	5045	6045	4450	7168	6522	6320	5858	6182

Source: National Income, BBS, 1991

Table 12 - Gross Value Add Statistics by Major Industrial Groups

(Million Taka)

BSIC 1986 Code	Title of category	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
311-312	Food manufacturing	2415	3060	2736	2496	3163	3565
313	Beverage industries	156	178	169	65	111	128
314	Tobacco manufacturing	2497	2688	3042	4339	4255	3192
315	Animal feed	-	-	-	2	5	6
321-322	Manufacturing of textiles	6157	6349	6428	10045	10658	11019
323	Wearing apparel except footwear	84	163	214	215	348	566
324	Leather and leather products	253	396	403	621	521	569
325	Leather footwear	118	199	270	393	391	480
326	Ginning and processing of fibres	109	117	158	159	190	266
331	Wood and cork products	58	230	267	228	243	276
332	Furniture and fixtures (wooden)	35	32	48	75	85	70
341	Paper and paper products	433	455	543	869	651	856
342	Printing and publishing	172	194	215	240	261	297
351	Drugs and pharmaceuticals	970	1266	1380	1711	1757	1793
352	Industrial chemicals	830	1902	1957	2219	2483	2453
353	Other chemical products	786	838	997	1063	1195	1430
354	Petroleum refining	1572	2102	2100	1788	1931	1605
355	Misc products of petroleum and coal	50	46	56	74	87	171
356	Rubber products	41	46	40	55	60	70
357	Plastic products	20	22	54	91	112	142
361	Pottery and China-ware	47	83	106	117	101	166
362	Glass and glass products	89	84	124	79	135	141
369	Non-metallic mineral products	211	193	207	194	271	307
371	Iron and steel basic industries	541	736	969	626	965	928
318-382	Fabricated metal production	237	336	376	391	431	467
383	Non-electrical machinery	409	504	274	331	442	305
384	Electrical machinery	283	449	516	770	659	834
385	Transport equipment	243	370	278	267	414	420
386	Measuring instruments	-	-	-	2	4	1
387	Photographic and optical goods	1	1	1	2	2	2
393-394	Other Manufacturing industries	16	24	28	40	22	4
	Grand Total	18832	23068	23956	29567	31954	32549

Source: C.M.I. BBS, 1991

Table 13 - Gross Value Added of Agricultural Production And its Components at Current and Constant Price, 1984-85

(Million Taka)

Groups	At current price				At constant price			
	1986-87	1987-88	1988-89	1989-90	1986-87	1987-88	1988-89	1989-90
Crops	164975	167646	176467	194211	139596	137119	134509	150828
Forestry	20544	25374	24187	26529	11168	12038	12309	12586
Livestock	16222	17875	21266	25300	12801	12922	13348	13805
Fisheries	18020	20728	23471	25750	12685	12822	12871	13135
Total Agricultural production	219761	231623	245392	271790	176250	174901	173037	190354
Total Agricultural production as percentage of GDP	40.76	38.79	37.3	36.85	39.84	38.43	37.08	38.29

Source: National Income, BBS, 1991

Table 14 - Value Added from Agriculture by Region at Current Price, 1987-88

(Million Taka)

Region (Former District)	Agricultural Crops	Livestock / poultry	Fisheries	Forestry	Total value added	Population (000)*	Per capita value added (Taka)
Chittagong	7942	988	2699	2718	14347	6635	2162
Chittagong H.T.	2087	230	60	10875	13252	909	14579
Comilla	11081	1379	1032	56	13548	8315	1629
Noakhali	6392	753	865	113	8123	4612	1761
Sylhet	10759	1179	587	874	13399	6835	1960
Dhaka	8846	1217	1284	594	12141	12101	1003
Faridpur	9638	925	1021	70	11654	5750	2027
Jamalpur	5735	533	241	238	6774	2964	2276
Mymensingh	15878	1459	740	479	18556	7936	2338
Tangail	5532	574	250	778	7134	2951	2417
Barisal	9439	963	3883	137	14427	5639	2558
Jessore	10802	921	387	106	12216	4858	2515
Khulna	6552	814	585	7034	14985	5232	2864
Kushtia	5390	495	248	47	6180	2770	2231
Patuakhali	5406	513	1970	156	8045	2227	3612
Bogra	6388	738	238	43	7407	3297	2247
Dinaipur	12529	925	293	212	13959	3867	3610
Pabna	5026	693	374	38	6131	4139	1481
Rajshahi	9684	1219	537	162	11602	6367	1822
Rangpur	15106	1692	589	231	17618	7866	2240
Bangladesh	170212	18415	17883	24961	231471	105270	2199

Note: Population as on 1st July, 1987-88

Source: National Income, BBS, 1991

**Table 15 - Distribution of Monthly Expenditure on Major Heads of Expenditure
and Monthly Household Expenditure Groups, 1985-86**

Monthly household expenditure groups (Taka)	% of Household	Average monthly expenditure per household (Taka)	Total	Percentage of total monthly expenditure by major heads							
				Consumption	Income tax	House and property tax	Other taxes	Interest on property mortgage	Gift and assistances	Remittal to member living away	
Bangladesh											
<500	0.87	407.31	0.15	99.95	-	-	-	-	-	0.05	-
500-740	4.48	649.06	1.24	99.75	-	0.02	0.08	-	-	0.16	-
750-999	8.00	887.91	3.03	99.67	-	0.03	0.02	-	-	0.23	0.05
1000-1249	9.75	1128.00	4.70	99.58	-	0.03	0.03	-	-	0.30	0.06
1250-1499	10.94	1368.14	6.33	99.42	-	0.02	0.03	-	-	0.41	0.1
1500-1999	20.15	1736.48	14.92	99.37	-	0.04	0.05	-	-	0.43	0.11
2000-2499	15.3	2231.08	14.55	99.16	-	0.07	0.06	-	-	0.56	0.14
2500-2999	10.05	2733.58	11.72	98.84	-	0.08	0.05	-	-	0.78	0.25
3000-3999	9.25	3422.20	13.51	98.72	-	0.08	0.10	-	-	0.73	0.36
4000-4999	4.95	4438.66	9.37	98.71	-	0.11	0.09	-	-	0.86	0.24
5000-5999	2.07	5443.68	4.80	98.35	0.03	0.06	0.16	0.01	-	1.02	0.38
6000-6999	1.67	6460.47	4.61	97.48	-	0.78	0.13	0.01	-	1.16	0.45
7000-7999	0.53	145.49	1.68	96.34	0.04	0.17	0.14	-	-	3.07	0.24
8000+	1.99	11023.39	9.34	97.11	0.44	0.17	0.32	0.06	-	1.33	0.57
All groups	100.00	2344.83	100.00	98.76	0.04	0.11	0.09	0.01	0.75	0.24	
Urban											
<500	0.29	360.40	0.03	100.00	-	-	-	-	-	-	-
500-740	0.58	641.30	0.10	99.88	-	-	0.12	-	-	-	-
750-999	2.49	882.14	0.62	98.73	-	0.02	0.06	-	-	0.25	0.92
1000-1249	4.98	1124.83	1.58	98.92	-	0.05	0.08	-	-	0.16	0.8
1250-1499	6.54	1371.02	2.53	99.44	-	0.02	0.04	-	-	0.23	0.72
1500-1999	14.18	1750.63	7.01	98.64	-	0.02	0.07	-	-	0.40	0.87
2000-2499	14.29	2252.11	9.09	98.60	-	0.03	0.08	0.01	-	0.49	0.78
2500-2999	11.86	2728.93	9.14	98.45	-	0.06	0.12	0.02	-	0.75	0.6
3000-3999	14.87	3488.80	14.66	98.13	0.01	0.04	0.16	-	-	0.76	0.9
4000-4999	11.98	4431.13	15.00	98.05	-	0.05	0.13	-	-	1.01	0.76
5000-5999	5.73	5378.89	8.71	97.51	0.08	0.02	0.34	0.02	-	1.31	0.71
6000-6999	4.86	6474.62	8.89	97.85	0.01	0.04	0.27	0.03	-	1.41	0.39
7000-7999	1.62	7450.04	3.41	96.77	0.10	0.10	0.27	-	-	2.24	0.52
8000+	5.73	11869.28	19.21	95.88	0.33	0.13	0.60	0.17	-	1.99	0.91
All groups	100.00	3539.67	100.00	97.72	0.08	0.06	0.25	0.04	1.11	0.57	
Rural											
<500	0.95	409.30	0.18	99.95	-	-	-	-	-	0.05	-
500-740	5.02	649.19	1.50	99.74	-	0.02	0.08	-	-	0.17	-
750-999	8.76	888.14	3.50	99.71	-	0.03	0.02	-	-	0.23	0.02
1000-1249	10.42	1128.87	5.40	99.62	-	0.03	0.02	-	-	0.31	0.01
1250-1499	11.55	1367.92	7.25	99.42	-	0.02	0.03	-	-	0.43	0.09
1500-1999	20.98	1735.15	16.70	99.44	-	0.05	0.04	-	-	0.44	0.04
2000-2499	15.44	2228.39	15.78	99.24	-	0.07	0.06	-	-	0.57	0.06
2500-2999	9.80	2734.45	12.30	98.90	-	0.08	0.04	-	-	0.79	0.19
3000-3999	8.48	3405.77	13.25	98.87	-	0.09	0.09	-	-	0.73	0.23
4000-4999	3.98	4441.80	8.11	98.98	-	0.14	0.07	-	-	0.79	0.02
5000-5999	1.56	5476.61	3.93	98.77	-	0.08	0.06	-	-	0.88	0.21
6000-6999	1.23	6452.73	3.65	97.28	-	1.18	0.05	-	-	1.01	0.48
7000-7999	0.38	7403.00	1.29	96.09	-	0.22	0.07	-	-	3.56	0.07
8000+	1.47	10565.87	7.12	97.86	0.51	0.19	0.15	-	-	0.93	0.36
All groups	100.00	2179.26	100.00	98.99	0.04	0.12	0.06	-	0.66	0.13	

Source: Bangladesh Household Expenditure Survey, 1985-86, BBS

Table 16 - Distribution of Households, Average Number of Members, Earners, Monthly Income and Expenditure per Household by Monthly per Capita Expenditure Groups, 1985-86

Monthly household per capita Expenditure groups (Taka)	% of Household	Average No. of members			Average No. of earners	Average monthly income per Household (Tk)	Average monthly expenditure per Household (Tk)	Percentage of			
		Total	Family members	Others				Members	Earners	Monthly income	Monthly expenditure
Bangladesh											
<125	0.61	5.58	5.1	0.48	1.68	635.9	625.24	0.58	0.71	0.15	0.16
125-149	1.19	5.77	5.36	0.42	1.53	1489.03	795.38	1.17	1.26	0.69	0.04
150-174	2.9	6.16	5.94	0.22	1.63	1037.68	1001.36	3.05	3.26	1.17	1.24
175-199	3.25	6.29	6.03	0.26	1.78	1236.51	1180.14	3.49	4.01	1.56	1.64
200-249	11.59	6.21	5.81	0.4	1.56	2000.43	1422.65	12.28	12.49	9	7.03
250-299	15.26	6.3	5.9	0.41	1.46	1975.75	1728.83	16.76	15.43	11.7	11.25
300-349	15.25	6.06	5.75	0.31	1.48	2059.37	1947.53	15.76	15.6	12.19	12.67
350-399	11.43	5.61	5.21	0.39	1.4	2216.6	2089.72	10.93	11.05	9.83	10.61
400-449	10.41	5.86	5.09	0.27	1.41	2382.74	2268.39	9.51	10.16	9.62	10.07
450-499	7.15	5.73	5.33	0.4	1.36	2881.24	2711.05	7	6.71	8	8.27
500-599	8.04	5.7	5.11	0.59	1.32	3329.32	3091.66	7.82	7.32	10.39	10.61
600-699	4.65	5.23	4.47	0.76	1.35	3619.83	3376.09	4.14	4.33	6.52	6.69
700-799	2.49	5.82	5.2	0.62	1.34	4537.9	4348.54	2.48	2.32	4.39	4.63
800+	5.75	5.48	4.42	1.06	1.34	6629.09	6173.54	5.37	5.33	14.79	15.15
All groups	100	5.86	5.42	0.44	1.45	2577.74	2344.83	100	100	100	100
Urban											
<125	0.23	5.75	5.75	-	1	672.25	642	0.22	0.15	0.04	0.04
125-149	0.23	6.75	6.75	-	1.25	967.75	998.5	0.26	0.19	0.6	0.06
150-174	0.58	7.3	7	0.3	1.5	1301.7	1197.7	0.69	0.57	0.2	0.2
175-199	1.1	6.95	6.79	0.16	1.74	1390.63	1303	1.25	1.26	0.41	0.4
200-249	6.08	6.64	6.26	0.38	1.78	1575.94	1507.49	6.02	7.12	2.54	2.59
250-299	7.52	6.72	6.4	0.32	1.58	1929.03	1850	8.29	7.8	3.85	3.93
300-349	9.49	6.71	6.23	0.48	1.61	2265.12	2185.8	10.45	10.05	5.71	5.86
350-399	8.51	6.63	6.14	0.48	1.71	2629.39	2480.41	9.25	9.55	5.94	5.96
400-449	8.33	6.16	5.49	0.67	1.63	2789.76	2620.75	8.43	8.91	6.17	6.17
450-499	7.87	6.9	5.5	0.59	1.54	3015.25	2882.26	7.86	7.97	6.3	6.41
500-599	13.14	5.89	5.18	0.72	1.5	3443.05	3233.68	12.71	12.94	12.01	12
600-699	8.45	6.1	5.47	0.64	1.28	4272.78	3933.75	8.46	7.12	9.59	9.39
700-799	6.83	5.66	4.81	0.86	1.43	4429.62	4223.88	6.34	6.43	8.03	8.15
800+	21.64	5.93	4.52	0.88	1.4	6809.7	6351.25	9.16	19.91	37.14	38.84
All groups	100	6.09	5.46	0.64	1.52	3765.53	3539.67	100	100	100	100
Rural											
<125	0.66	5.57	5.07	0.5	1.71	634.14	624.43	0.68	0.79	0.17	0.19
125-149	1.33	5.75	5.32	0.43	1.54	1501.64	791.43	1.31	1.42	0.82	0.48
150-174	3.22	6.13	5.91	0.27	1.63	1031.1	996.47	3.37	3.66	1.38	1.47
175-199	3.55	6.27	6	0.22	1.79	1229.89	1174.87	3.82	4.42	1.81	1.91
200-249	12.36	6.15	5.78	0.41	1.54	2029.35	1416.87	13.1	13.28	10.39	8.03
250-299	16.34	6.28	5.78	0.41	1.46	1978.73	1721.1	17.5	16.55	13.39	12.9
300-349	16.34	6.01	5.71	0.29	1.47	2042.51	1928.01	16.53	16.41	13.59	14.2
350-399	16.05	5.5	5.12	0.38	1.37	2175.5	2050.81	11.17	11.27	10.67	11.14
400-449	11.84	5.27	5.05	0.22	1.39	2338.81	2230.37	9.87	10.35	10.37	10.95
450-499	10.7	5.68	5.3	0.38	1.33	2860.68	2684.58	6.87	6.53	8.36	8.69
500-599	7.05	5.65	5.09	0.56	1.27	3301.12	3056.43	7.11	6.49	10.04	10.29
600-699	7.34	4.93	4.18	0.79	1.37	3434.25	3217.6	3.52	3.92	5.86	6.08
700-799	4.12	5.9	5.4	0.5	1.3	4592	4410.83	1.92	1.71	3.6	3.23
800+	1.89	5.55	4.33	1.21	1.29	6476.56	6023.45	3.38	3.2	9.53	9.82
All groups	3.55	5.83	5.42	0.41	1.44	2413.15	2179.26	100	100	100	100

Source: Bangladesh Household Expenditure Survey, 1985-86, (BBS)

Table 17 - Administrative System of Bangladesh

Name of units							Number
Division							4
Region (Former District)							21
Zila (Districts)							64
Rural Area							
Thana							460
Union							4401
Mouzas							60315
Urban Municipal Area:							
Municipalities							90
Thana							27
Region (Former District)	Zila	Upazila	Thana	Rural and other urban		Municipality	Ward
				Union (rural)	Mouza		
Chittagong Division	15	122	6	1208	14272	19	108
Bandarban	1	7	-	28	97	1	3
Chittagong	2	21	6	252	1276	2	44
Chittagong H.T.	2	18	-	81	283	2	6
Comilla	3	26	-	356	4891	5	26
Noakhali	3	15	-	172	1924	4	12
Sylhet	4	35	-	319	5801	5	17
Dhaka Division	17	119	15	1223	17281	24	150
Dhaka	6	34	15	366	5425	7	83
Faridpur	5	27	-	209	3644	5	17
Jamalpur	2	12	-	110	1300	2	8
Mymensingh	3	35	-	337	4775	8	33
Tangail	1	11	-	101	2137	2	9
Khulna Division	16	96	5	882	10301	24	102
Barisal	4	27	-	223	2402	5	21
Jessore	4	21	-	232	3268	7	23
Khulna	3	25	5	219	2449	4	23
Kushtia	3	12	-	108	1347	6	29
Patuakhali	2	11	-	100	835	2	6
Raishahi Division	16	123	1	1088	18461	23	93
Bogra	2	16	-	138	2507	4	11
Dinajpur	3	23	-	192	3127	5	17
Pabna	2	18	-	150	2749	4	17
Raishahi	4	31	1	266	6353	4	25
Rangpur	5	35	-	342	3725	6	23
Bangladesh	64	460	27	4401	60315	90	453

Note: The Upazila and Thanas are mutually exclusive in area. River and Railway police stations are not included in Thanas. The Thanas are located mostly in Metropolitan Area.

Source: Bangladesh Bureau of Statistics and Ministry of Local Government and Rural Development, 1991.

Table 18 - Population of Bangladesh for 1991 (Unadjusted)

Name of Zila	Household	Population			Size of Household	Literacy rate (all age)	Sex Ratio Male and Female
		Male	Female	Total			
Rajshahi Division	4923394	13031914	12399741	25431655	5.15	20.47	105.1
Panchagarh	138158	357578	339041	696619	50.4	23.65	105.5
Thakurgaon	189566	504808	474137	978945	5.16	21.61	106.5
Dinajpur	429884	1125969	1056551	2182520	5.06	22.45	106.6
Nilphamari	264411	689100	650095	1339195	5.06	17.00	106.0
Lalmonirhat	181181	473606	446467	920073	5.07	18.21	106.1
Rangpur	422842	1085721	1022016	2107737	4.97	20.64	106.2
Kurigram	307479	785577	772336	1557913	5.06	17.32	101.7
Gaibandha	397559	937105	918884	1855989	4.88	18.35	102.0
Joypurhat	152444	381314	355369	736883	4.79	23.44	107.4
Bogra	516667	1316678	1248547	2565225	4.94	1722.04	105.5
Naogaon	404265	1048489	1009869	2058358	5.08	21.95	103.3
Natore	244760	664610	631626	1296236	5.28	20.43	105.2
Nawabganj	196072	581304	565236	1146540	5.84	17.63	102.8
Rajshahi	360760	963836	919098	1882934	5.21	23.43	104.9
Sirajganj	412360	1152971	1090236	2243207	5.42	18.42	105.8
Pabna	323006	963048	900233	1863281	5.75	20.86	107.0
Khulna Division	3715001	10230120	9736470	19966590	5.35	20.47	105.1
Kushtia	271650	762292	712059	1474351	5.41	20.55	107.1
Meherpur	92605	248331	236791	485122	5.23	18.41	104.9
Chuadanga	145023	409451	385125	794576	5.47	20.43	106.3
Jhenaidah	238868	686680	647690	133370	5.57	20.65	106.0
Magura	459540	367987	354153	722140	5.7	21.63	103.9
Narail	119656	333816	325865	659681	5.51	27.00	102.0
Jessore	381759	1084535	1011925	509660	5.47	26.01	107.2
Satkhira	290737	809351	781955	1591306	5.46	23.10	103.5
Khulna	378291	1048928	953923	2002851	5.25	34.63	110.0
Bagerhat	275071	725755	693834	1419589	5.13	34.63	104.6
Pirojpur	206514	535917	527170	1063087	5.12	39.23	101.7
Jhalukati	128686	337081	332894	669975	5.19	40.73	101.3

Table 18 - Population of Bangladesh for 1991 (Unadjusted) (Cont'd)

Name of Zila	Household	Population			Size of Household	Literacy rate (all age)	Sex Ratio Male and Female
		Male	Female	Total			
Barisal	419459	1128056	1074474	2202530	5.22	34.11	105.0
Bhola	266557	738952	697103	1436055	5.36	17.73	106.0
Patuakhali	225865	628928	621692	1250620	5.52	28.48	101.2
Barguna	148050	384060	379817	763877	5.14	31.65	101.1
Chittagong Division	4758669	13881827	13215077	27096904	5.68	25.83	105.0
Sunamganj	285256	858501	820030	1678531	5.85	17.20	104.7
Sylhet	350234	1097351	1050500	2147851	6.12	25.42	104.5
Moulavibazar	245969	697793	671513	136930	5.55	23.06	103.9
Habiganj	264817	7516803	732566	1484369	5.58	18.87	102.6
Brahmanbaria	367959	1087443	1049402	2136845	5.80	17.13	103.6
Comilla	703941	2033667	1989718	4023385	5.70	25.28	102.2
Chandpur	364422	1010565	1012293	2022858	5.53	29.02	99.8
Lakshmipur	242842	658328	651174	1309502	5.38	25.54	101.1
Noakhali	393661	1098960	1117492	2216452	5.62	28.00	98.3
Feni	189421	550241	544869	1095110	5.76	29.91	101.0
Chittagong	937018	2791159	2466851	5258010	5.58	33.18	113.1
Cox's Bazar	217928	723850	663415	1387265	6.34	15.01	109.1
Khagrachhari	71249	179737	160358	340095	4.76	20.00	112.1
Rangamati	78008	217383	180330	397713	5.06	28.72	120.5
Bandarban	45944	125046	104566	229612	4.97	19.61	119.6
Dhaka Division	6220442	16774458	15496536	32270994	5.16	27.83	108.2
Netrokona	333131	865068	829233	1694301	5.07	18.09	104.3
Mymensingh	775865	1980331	1989060	3878391	4.99	19.30	104.3
Sherpur	241531	567462	541800	1109262	4.59	14.65	104.7
Jamalpur	390482	959860	911912	1871772	4.79	16.28	105.3
Tangail	575383	1496484	1447272	2943756	5.10	23.58	103.4
Kishoreganj	428210	1115891	1078669	2194560	5.11	16.42	103.5
Manikganj	231292	590328	583570	1173898	5.06	21.81	101.2
Dhaka	1045923	3198771	2576074	774845	5.43	43.35	124.2
Guzipur	324596	847911	781935	1629846	5.00	28.83	108.4

Table 18 - Population of Bangladesh for 1991 (Unadjusted) (Cont'd)

Name of Zila	Household	Population			Size of Household	Literacy rate (all age)	Sex Ratio Male and Female
		Male	Female	Total			
Narsingdi	319457	852897	798578	1651475	5.16	32.14	106.8
Narayanganj	323103	931486	807182	1738668	5.38	32.59	115.4
Munshiganj	210918	60552	576424	1182176	5.56	28.67	105.1
Faridpur	281095	766844	734309	1507153	5.32	21.39	104.4
Rajbari	149603	429950	402942	832892	5.55	21.17	106.7
Gopalganj	198245	540498	531356	1071854	5.40	29.92	101.7
Madaripur	209536	545228	525480	1070708	5.09	22.67	103.8
Shariatpur	182072	479697	471740	951437	52.10	19.15	101.7
Bangladesh	19617506	53918319	50847824	104766143	532	24.82	106.0

Source: Preliminary Report, Population Census, 1991, BBS, 1992

Table 19 - Household and Population of Municipalities for 1991 (Unadjusted)

Name of Municipality	Ward	Population Census 1991						
		Mahalla	Household	Male	Female	Total	Sex ratio Male and Female	Literacy rate (All ages)
Chittagong Division								
Chittagong Division	112	613	420961	1316138	998674	314812	131.8	42.70
Bandarban	3	45	4495	13643	8626	22269	158.2	42.74
Brahmanbaria	4	23	17434	52550	46999	73220	111.8	37.98
Chandpur	4	24	12780	42785	30435	73220	140.6	40.48
Chittagong	41	123	256306	796432	567566	1363998	140.3	43.67
Chowmohani	3	12	8686	26813	21639	48452	123.9	37.41
Comilla	6	30	23118	73647	69635	143282	105.8	45.05
Companiganj	3	3	2972	8792	7784	16576	112.9	34.04
Cox's Bazar	3	17	7931	27687	20239	47926	136.8	36.89
Feni	9	9	6160	19163	14240	33403	134.6	51.34
Habiganj	4	44	6364	19934	17429	37363	114.4	46.75
Hajiganj	3	7	5638	17064	15239	32303	112.0	45.67
Khagrachhari	3	26	5119	14358	10848	25206	131.4	35.19
Laksam	3	23	8329	24926	21418	46344	116.4	25.34
Lakshmipur	3	7	7702	19934	20260	42898	111.7	33.93
Moulvi Bazar	3	33	5734	17061	13746	30807	124.1	43.67
Noakhali	3	37	11411	34671	29577	64248	117.2	24.00
Rangamati	3	25	9403	27965	20998	48963	133.2	49.45
Srimangal	3	13	3350	9561	9743	17304	123.5	51.41
Sylhet	5	88	14670	54840	44698	99538	112.7	52.45

Table - Household and Population of Municipalities for 1991 (Unadjusted) (Cont'd)

Name of Municipality	Ward	Population Census 1991						
		Mahalla	Household	Male	Female	Total	Sex ratio Male and Female	Literacy rate (All ages)
Dhaka Division								
Dhaka Division	169	1396	939553	2843710	2259398	5103108	125.9	46.48
Bajitpur	3	22	4526	11130	10520	21650	122.7	52.45
Bhairab	5	7	12194	36877	33858	70735	108.9	28.61
Dhaka	75	626	608938	1926745	1470442	3397187	131.0	49.31
Faridpur	3	28	12591	36092	32010	68102	112.8	52.27
Gazipur	3	50	18765	49993	44035	94028	113.5	42.82
Gouripur	3	36	3634	9441	8791	18232	107.4	33.92
Gopalganj	3	27	4153	11871	10621	22492	111.8	54.81
Gopalpur	3	33	8664	21494	20691	42185	103.9	25.33
Jamalpur	4	73	20194	52659	48583	101242	108.4	36.88
Kishoreganj	4	18	10999	32818	27579	60397	119.0	44.88
Madaripur	3	36	8218	23629	20114	43743	117.5	43.02
Manikganj	3	31	8691	22647	20881	43528	108.5	39.48
Madanganj	3	14	3419	9430	7870	17300	119.8	40.06
Muktagachha	3	7	3958	11388	10111	21499	112.6	34.87
Munshiganj	3	33	7632	22118	20391	42509	108.5	40.86
Mymensingh	7	82	33283	98125	87392	185517	112.3	48.68
Narayanganj	12	23	52354	148504	120448	268952	123.3	45.15
Narsingdi	3	26	18316	53438	40057	93495	133.4	35.45
Netrokona	3	28	8682	23210	19936	43146	116.4	42.39
Pangsha*	3	9	3478	10361	9540	19901	108.6	29.81
Rajbari	3	15	7577	21608	19981	415889	108.1	43.06
Sarishabari*	3	28	7982	18143	16439	34582	110.4	29.64
Shariatpur*	3	23	6556	18014	15661	33675	115.0	30.48
Sherpur	3	44	12615	32356	26504	58860	122.1	29.06
Tangail**	5	52	19825	54504	49883	104387	109.3	45.12
Tongi	3	25	32309	87115	67060	154175	129.9	39.80

Table 19 - Household and Population of Municipalities for 1991 (Unadjusted) (Cont'd)

Name of Municipality	Population Census 1991							Sex ratio Male and Female	Literacy rate (All ages)
	Ward	Mahalla	Household	Male	Female	Total			
Rajshahi Division									
Rajshahi Division	116	931	318292	923419	829221	1752630	11114	4098	
Bera	3	25	6498	19452	18171	37623	1091	3822	
Bogra	4	40	15274	45557	40424	85981	1127	4917	
Dinajpur	4	97	24042	65301	60888	126187	1072	4584	
Fulbari	3	11	4736	12179	11284	23463	1079	3006	
Gaibandha	3	19	7260	21131	19360	40491	1094	4933	
Ishwardi	3	22	10271	24468	22332	46800	1096	3789	
Joypurhat	3	14	8822	23845	20371	44216	1171	4357	
Kurigram	3	96	11230	29958	27362	57320	1095	2970	
Lalmonirhat	3	44	9050	25056	22081	47137	1135	3653	
Nilphamari	3	6	5968	16812	15260	32072	1102	3764	
Naogaon	3	44	19040	52760	48034	100794	1098	3499	
Natore	3	12	6752	18936	17250	36186	1098	5288	
Nawabgonj	5	64	20970	60512	60693	121205	997	2679	
Pabna	6	23	17803	54533	49946	104479	1092	4701	
Parbatipur	3	15	4823	13257	11405	24662	1162	4550	
Panchagarh	3	27	5654	15913	14211	30124	1120	3961	
Pirgang	3	7	3588	9685	8617	18302	1124	3017	
Rajshahi	30	166	51342	158587	141084	299671	1124	4530	
Rangpur	6	64	34436	112559	91372	203931	1232	4710	
Sirajgang	8	44	17403	47390	44952	92342	1053	3727	
Santahar	3	32	5174	14595	12513	27108	1166	3832	
Sherpur	3	13	3168	8145	7581	15726	1074	4277	
Syedpur	5	31	18432	54246	47784	102030	1135	3492	
Thakurgaon	3	15	6556	18542	16236	34778	1142	4576	

Table 19 - Household and Population of Municipalities for 1991 (Unadjusted) (Cont'd)

Name of Municipality	Population Census 1991							
	Ward	Mahalla	Household	Male	Female	Total	Sex ratio Male and Female	Literacy rate (All ages)
Khulna Division								
Khulna Division	117	726	338683	862675	742763	1605438	1161	4267
Alamdanga	3	8	4333	11034	10469	21503	1299	3980
Bagerhat	3	30	7813	25200	22274	47474	1131	4277
Banaripara	3	8	1405	4182	3196	7378	1308	5106
Barisal	10	34	29355	91225	72256	163481	1263	5125
Barguna	3	10	4553	12240	9958	22198	1230	4609
Bheramara	3	9	3331	9261	9139	18400	1013	4267
Bhola	3	20	5986	18335	15554	33889	1179	4777
Chuadanga	3	41	12122	31437	27795	59232	1131	3725
Jessore	3	56	29734	86064	74134	160198	1161	3058
Jhalakathi	3	32	4822	12552	12376	24928	1014	4331
Jhenaidah	3	24	11661	33299	29819	63118	1117	3801
Kalia	3	17	3104	8030	7717	15747	1041	2407
Khulna	29	163	139760	298081	247768	545849	1203	4492
Kotchandpur	3	33	4690	12602	11560	24162	1090	3288
Kumarkhali	5	5	2137	6276	5877	12153	1068	3851
Kushtia	4	23	12187	33701	31419	65120	1073	5100
Magura	3	25	6768	19122	17154	36276	1115	3732
Meherpur	9	41	5170	12083	13070	25153	924	4103
Moheshpur	3	9	2180	6169	6812	11981	1061	2399
Mongla	3	33	10341	26172	18659	44831	1403	4039
Nalchithy	3	16	4822	12552	12480	25032	1006	4313
Narail	3	23	4777	14003	12733	26736	1100	4530
Patuakhali	3	21	8185	24246	21474	45720	1129	4799
Pirojpur	3	18	5884	16338	14800	31138	1104	5483
Satkhira	3	27	13523	38471	35270	73741	1091	3822
Bangladesh	514	1666	2017449	5945942	4830046	10775988	1231	4421

Note: * Municipality created after 1981 census

** Municipal area increased after 1981 census

Source: Preliminary report, population census 1991, BBS, 1992

Table 20 - Regionwise Population by Religion

Region (Former District)	1974						1981					
	Total	Muslim	Hindu	Buddhist	Christian	Others	Total	Muslim	Hindu	Buddhist	Christian	Others
Bandarban	-	-	-	-	-	-	100.0	41.5	2.9	43.9	8.2	3.5
Chittagong H. T.	100.0	18.9	10.4	66.5	2.6	1.6	100.0	32.4	11.4	55.0	0.9	0.3
Chittagong	100.0	83.8	14.1	1.9	0.1	0.1	100.0	84.5	13.0	2.2	0.1	0.2
Comilla	100.0	90.2	9.7	0.0	0.0	0.1	100.0	91.6	8.2	0.1	0.0	0.1
Noakhali	100.0	92.8	7.2	1.0	0.0	0.0	100.0	93.0	6.9	0.0	0.1	0.0
Sylhet	100.0	82.6	16.9	0.1	0.2	0.2	100.0	81.3	18.0	0.8	0.3	0.4
Dhaka	100.0	87.8	11.4	0.0	0.7	0.1	100.0	90.5	8.9	0.1	0.4	0.1
Faridpur	100.0	76.4	23.3	-	0.3	0.0	100.0	80.9	18.8	0.0	0.3	0.0
Jamalpur	100.0	-	-	-	-	-	100.0	96.8	2.7	-	0.4	0.1
Mymensingh	100.0	93.4	6.0	0.0	0.0	0.1	100.0	91.8	7.4	-	0.6	0.2
Tangail	100.0	87.6	12.0	-	0.5	0.2	100.0	90.6	9.0	-	0.3	0.1
Barisal	100.0	82.8	17.0	-	0.2	0.1	100.0	84.5	15.1	0.0	0.3	0.1
Jessore	100.0	78.0	21.9	-	0.1	-	100.0	80.3	19.6	-	0.1	0.0
Khulna	100.0	71.2	28.3	0.0	0.1	0.1	100.0	71.9	27.2	0.0	0.8	0.1
Kushtia	100.0	95.2	4.7	-	0.4	0.1	100.0	95.1	4.5	-	0.3	0.1
Patuakhali	100.0	88.8	10.9	0.3	-	-	100.0	90.3	9.4	0.2	0.0	0.1
Bogra	100.0	92.1	7.3	-	-	0.2	100.0	91.1	8.4	-	0.1	0.4
Dinajpur	100.0	75.1	23.7	-	0.4	0.7	100.0	75.9	21.9	0.0	0.6	1.6
Pabna	100.0	99.4	9.2	-	0.5	0.1	100.0	92.5	7.3	-	0.1	0.1
Rajshahi	100.0	86.0	13.0	0.1	0.3	0.7	100.0	88.6	9.5	0.0	0.4	1.5
Rangpur	100.0	87.6	12.0	-	0.2	0.2	100.0	88.0	11.6	0.0	0.1	0.3
Bangladesh	100.0	85.4	13.5	0.6	0.3	0.2	100.0	86.6	12.1	0.6	0.3	0.3

Source: Census of population, 1981

**Table 21 - Intercensal Growth Rates of Population (both Sex) and Youths
Based on Population Adjusted for Net Undercount, 1961-81**

Age group	Population			Growth rate (Exp)		
	1961	1974	1981	1961-74	1974-81	1961-81
15-19	4242	6362	8408	3.06	4.06	3.41
20-24	4143	5250	6997	1.81	4.1	2.61
25-29	4345	5200	6626	1.37	3.46	2.1
15-29	12730	16776	22031	2.11	3.89	2.73
Total Population	55223	76398	89912	2.48	2.32	2.43

Source: Compiled by BBS

Table 22 - Bangladesh Tribal Population, Sex Ratio and Household by Regions, 1981

Region (Former District)	Population size			Sex ratio	Percent of total tribal population	Tribal household		Percent of district total	
	Both sex	Male	Female			Number	Percent of total	Population	Household
Bandarban	90422	46644	43778	106.5	10.0	15981	10.0	52.73	51.46
Chittagong H.T.	351940	180270	171670	105.0	39.2	59033	37.1	60.66	59.24
Chittagong	21695	11295	10500	108.6	2.4	3653	2.3	0.40	0.42
Comilla	3777	1932	1845	104.7	0.4	675	0.4	0.05	0.06
Noakhali	1523	806	716	112.6	0.2	265	0.2	0.04	0.04
Sylhet	106822	54239	52584	103.1	11.9	19278	12.1	1.89	2.10
Dhaka	5796	3253	2543	127.0	0.6	980	0.6	0.06	0.06
Faridpur	2326	1162	1164	99.8	0.3	382	0.2	0.05	0.05
Jamalpur	14885	7395	7490	98.7	1.7	2918	1.8	0.61	0.64
Mymensingh	57595	28340	29255	96.9	6.4	11056	6.9	0.88	0.93
Tangail	10291	5233	5058	103.5	1.1	1768	1.1	0.42	0.43
Barisal	3266	1746	1520	114.9	0.4	592	0.4	0.07	0.07
Jessore	2720	1377	1343	102.5	0.3	474	0.3	0.07	0.08
Khulna	17061	9490	7574	125.3	1.9	1916	1.2	0.39	0.26
Kushtia	1385	719	666	108.0	0.2	231	0.1	0.06	0.06
Patuakhali	4525	2465	2060	119.7	0.5	879	0.6	0.05	0.28
Bogra	146773	7385	7288	101.3	1.6	2857	1.6	0.54	0.58
Dinajpur	60835	30384	30451	99.8	6.8	11886	7.5	1.90	2.04
Pabna	2986	1535	1451	105.8	0.3	586	0.4	0.09	0.11
Raishahi	103848	51555	52293	98.6	11.6	20123	12.6	1.97	2.37
Rangpur	19454	9749	9705	100.5	2.2	3645	2.3	0.30	0.26
Bangladesh	897828	456974	440854	103.7	100.0	159178	100.0	1.03	1.08

Source: Population Census, 1981

Table 23 - Number of Tribal Households in Chittagong Hill Tracts by Tribe in 1981

Upazila	Bandarban		Kaptai		Khagrachhari		Lama		Ramgarh		Rangamati		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Triba									2623	21.89	20273	85.10	39005	48.12
Chakma	280	2.35	753	10.95	14721	69.48	355	6.71	4663	38.91	2229	9.36	22520	27.78
Marma	6956	58.46	3490	50.74	2620	12.37	2562	48.43	3971	33.14	588	2.47	9977	12.31
Tripura	806	6.77	341	4.96	3841	18.13	430	8.13	53	0.44	244	1.02	3247	4.01
Tanchanga	693	5.82	1935	28.13	-	-	322	6.09	86	0.72	-	-	3268	4.03
Mura	1852	15.56	35	0.51	-	-	1295	24.48	557	4.65	-	-	736	0.91
Uchai	-	-	-	-	-	-	179	3.38	-	-	188	0.79	191	0.24
Lushai	3	0.03	-	-	-	-	-	-	-	-	1	-	1052	1.30
Bom	1013	8.81	23	0.33	-	-	-	-	15	0.13	275	1.15	418	0.52
Pankua	-	-	143	2.08	-	-	-	-	-	-	12	0.05	167	0.21
Chak	1	-	-	-	5	-	147	2.78	2	-	9	0.04	261	0.32
Khiang	93	0.78	158	2.30	1	-	-	-	-	-	3	0.01	218	0.27
Mumi	202	1.70	-	-	-	-	-	-	13	0.11	-	-	-	-
Total	11899	100	6878	100	21188	100	5290	100	11983	100	23822	100	81060	100

Source: Population Census, 1981, BBS

Table 24 - Household and Population by Type of Structure, 1981

Type of Structure	Bangladesh	Urban	Rural
Households			
Dwelling Units	14.8	2.0	12.8
Institutional	0.1	0.1	
Business/Industry	0.2	1.0	0.1
Total	15.1	2.2	12.9
Population			
In Dwelling Units	85.0	12.0	73.0
Institutional	0.8	0.5	0.3
Business/Industrial	0.1	0.3	0.2
Floating	0.8	0.4	0.4
Total	87.1	13.2	73.9

Source: Census of Population, 1981

Table 25 - Number and Average Size of Households

Region (Former District)	Households ('000)			Average size of household		
	1974	1981	1991	1974	1981	1991
Bandarban	-	31	46	-	5.52	4.97
Chittagong	775	863	1154	5.57	6.36	5.58
Chittagong H.T.	96	100	148	5.29	5.82	5.38
Comilla	1030	1165	1435	5.65	5.91	5.60
Noakhali	592	664	826	5.46	5.74	5.58
Sylhet	860	919	1145	5.53	6.61	5.77
Dhaka	1307	1647	2454	5.82	6.08	5.26
Faridpur	723	836	1020	5.62	5.70	5.31
Jamalpur	371	457	631	5.55	5.36	4.69
Mymensingh	1016	1191	1536	5.42	5.52	5.05
Tangail	345	410	575	6.02	5.96	5.10
Barisal	722	825	1019	5.44	5.66	5.22
Jessore	543	632	865	6.13	6.36	5.56
Khulna	620	727	944	5.68	5.95	5.28
Kushtia	314	357	509	6.16	6.42	5.37
Patuakhali	286	311	373	5.24	5.94	5.33
Bogra	414	490	669	5.39	5.57	4.86
Dinajpur	482	581	756	5.33	5.50	5.12
Pabna	463	553	735	6.08	6.19	5.58
Rajshahi	746	848	1205	5.72	6.21	5.35
Rangpur	973	1178	1572	5.60	5.52	5.04
Bangladesh	12676	14785	19617	5.64	5.79	5.32

Source: Census of Population, 1981

Table 26 - Population by Economic Category and Sex

(Million)

Economic Category	Bangladesh								
	1984-85 LFS			1985-86 LFS			1986-87 LFS		
	Both sex	Male	Female	Both sex	Male	Female	Both sex	Male	Female
Bangladesh									
Total population	97.7	49.8	47.9	101.6	51.6	50.0	108.1	55.9	52.2
Population 10 years and over	67.4	34.3	33.0	70.4	36.0	34.2	70.8	36.7	34.1
Civilian labour force	29.5	26.8	2.7	30.9	27.7	3.2	50.2	30.1	21.1
Employed	29.0	26.4	2.6	30.5	27.4	3.1	50.7	29.8	20.9
Unemployed	0.6	0.4	0.2	0.3	0.2	0.1	0.5	0.3	0.2
Not in civilian labour force	68.1	22.9	45.2	70.5	23.9	46.6	57.4	25.8	31.6
Housewives/ household work	24.8	0.1	24.7	24.9	-	24.9	N.A	N.A	N.A
Inactive	13.0	7.4	5.5	14.3	8.3	6.1	5.6	16.7	13.4
Children (0 to 9 years)	30.4	15.5	14.9	31.3	15.6	15.6	4.9	19.1	18.2
Urban									
Total population	12.5	6.8	5.7	13.8	7.4	6.4	18.8	8.2	7.6
Population 10 years and over	8.8	4.9	3.9	9.6	5.4	4.2	10.9	5.7	5.2
Civilian labour force	4.2	3.7	0.5	4.6	4.0	0.6	5.8	4.3	1.5
Employed	4.0	3.6	0.4	4.6	4.0	0.6	5.6	4.2	1.4
Unemployed	0.1	0.1	-	0.1	-	-	0.2	0.1	0.1
Not in civilian labour force	8.3	3.1	5.2	9.0	3.3	5.7	10.5	4.1	6.4
Housewives/ household work	2.5	-	2.5	2.5	-	2.5	N.A	N.A	N.A
Inactive	2.2	1.2	0.9	2.4	1.3	1.1	5.6	1.6	4.0
Children (0 to 9 years)	3.7	1.9	1.8	4.2	2.0	2.2	4.9	2.5	2.4
Rural									
Total population	85.2	43.0	42.2	87.8	44.2	43.6	92.3	47.7	44.6
Population 10 years and over	58.4	29.4	29.0	60.7	30.7	30.0	59.8	30.9	28.9
Civilian labour force	25.4	23.1	2.2	26.2	23.6	2.6	45.0	25.6	19.4
Employed	25.0	22.9	2.1	25.9	23.4	2.5	44.6	25.3	19.3
Unemployed	0.4	0.3	0.1	0.3	0.2	0.1	0.4	0.3	0.1
Not in civilian labour force	59.8	19.8	40.0	61.4	20.4	41.0	46.8	21.7	25.1
Housewives/ household work	22.2	0.1	22.1	22.4	-	22.4	N.A	N.A	N.A
Inactive	10.8	6.3	4.6	11.9	6.9	5.1	14.4	5.1	9.3
Children (0 to 9 years)	26.8	13.6	13.2	27.1	13.5	13.5	32.4	16.6	15.8

Note: NA = Note available

Source: LFS 1983-84, 1984-85, 1985-86, and 1989 (Provisional) BBS, 1992

Table 27 - Civilian Labour Force by Sex and Residence

(Million)

Year and Source	National			Urban			Rural		
	Both sex	Male	Female	Both sex	Male	Female	Both sex	Male	Female
1961 Census	16.9	16.0	0.9	1.0	0.9	0.1	15.9	15.1	0.8
1974 Census	21.9	21.0	0.9	2.1	2.0	0.1	19.8	19.0	0.8
1981 Census	25.9	24.4	1.5	3.3	3.1	0.2	22.6	21.3	1.3
1983-84 LFS	28.5	26.0	2.5	3.9	3.4	0.5	24.6	22.5	2.1
1984-85 LFS	29.5	26.8	2.7	4.1	3.6	0.5	25.4	23.2	2.2
1985-86 LFS	30.9	27.7	3.2	4.7	4.1	0.6	26.2	23.6	2.6
1989 (Provl)	50.7	29.8	20.9	5.7	4.2	1.5	45.0	25.5	19.5

Note: The historical data appearing in this table and the rates and ratios given in other tables except districtwise data have been adjusted to achieve a measure of comparability on the basis of following considerations (see section 2-3-3, labour force report, 1984-85). Data for the years 1986-87 and 1987-88 LFS are not available.

1961 Census data:

- a. Adjustment for net enumeration under-count and
- b. Adjustment for housewives

1974 Census data:

- a. Adjustment for the net enumeration undercount and
- b. Adjustment for differences in urban definition

1981 Census data:

- a. Adjustment for under enumeration
- b. Adjustment for part-time and irregular workers
- c. Adjustment for unemployed persons and
- d. Adjustment for differences in urban definition

Source: LFS - 1983-84, 1984-85, 1985-86 and 1986 BBS

Table 28 - Economically Active Population (Labour Force) by Region and Sex

(thousand)

Region (Former District)	1981 Census			1984 - 85 LFS			1985 - 86 LFS		
	Both sex	Male	Female	Both sex	Male	Female	Both sex	Male	Female
Bangladesh	25907	24425	1482	29509	26810	2698	30917	27690	3231
Chittagong	1864	1751	113	1689	1456	233	2722	2366	356
Comilla	1874	1777	97	2944	2696	248	2395	2252	143
Noakhali	955	916	39	1149	1069	80	1350	1113	237
Sylhet	1758	1627	131	1834	1731	103	1718	1634	84
Chittagong Division	6451	6071	380	7616	6952	664	8185	7365	820
Dhaka	3246	3064	182	3641	3278	363	4233	3766	467
Faridpur	1338	1287	51	1343	1208	135	1378	1285	92
Jamalpur	799	737	62	876	808	68	922	842	79
Mymensingh	2113	1937	176	2297	2091	205	2375	2092	284
Tangail	717	675	42	988	915	73	922	734	188
Dhaka Division	8213	7700	513	9145	8300	844	9830	8719	1110
Barisal	1298	1240	58	1498	1355	143	1514	1283	231
Jessore	1181	1142	39	1507	1398	110	1581	1408	174
Khulna	1270	1224	46	1452	1291	161	1460	1300	160
Kushtia	689	660	29	744	720	25	814	793	22
Patuakhali	457	442	15	645	608	36	402	366	37
Khulna Division	4895	4708	187	5846	5372	475	5771	5150	624
Bogra	832	785	47	742	707	35	958	805	153
Dinajpur	1017	951	66	1157	966	191	1041	921	121
Pabna	1018	974	44	1016	924	92	1012	913	100
Rajshahi	1430	1331	99	1732	1500	232	1799	1639	160
Rangpur	2051	1905	146	2255	2089	165	2321	2178	143
Rajshahi Division	6348	5946	402	6902	6186	715	7131	6456	677

Note: 1981 data based on enumerated population. The regional estimates of 1984-85 LFS indicates a very high relative standard error. Including Chittagong H.T. and Bandarban

Source: Population Census, 1981, LFS 1984-85 and 1985-85, B.B.S.

Table 29 - Export and Import of Commodities by Broad Economic Categories

(Million taka)

Category	Export			Import		
	1987-88	1988-89	1989-90	1987-88	1988-89	1989-90
Total	41161.11	42686.14	50129.01	91588.20	95075.01	104943.61
Food and beverages	7439.21	7519.83	7575.28	25333.49	22423.49	23997.85
Unprocessed for industry	51.34	21.32	12.78	9861.48	9425.62	6180.36
Unprocessed for household	5880.26	6177.04	6653.95	2375.49	1756.25	3899.10
Processed for industry	60.05	42.35	3.06	6307.95	5530.96	4950.95
Processed for household	1447.56	1279.12	905.53	6788.57	5710.42	8966.41
Industrial supplies N.E.S	17350.48	17996.92	19908.90	34514.88	41284.87	48520.40
Primary	2628.65	2981.65	3791.06	4044.33	3193.29	5096.95
Processed	14721.83	15015.19	16117.84	30470.55	38091.58	43423.45
Fuel and lubricants	457.63	520.07	695.35	12979.60	11304.47	9895.45
Primary	457.63	520.07	695.35	7138.75	4542.43	4405.82
Processed motor spirit	-	-	-	10.97	30.65	0.78
Processed other	-	-	-	5829.88	6731.39	5488.85
Machinery and other capital equipment	601.24	1219.61	562.27	11340.16	11846.14	14370.32
Machinery and other capital equipment	338.43	969.23	237.94	7083.24	7986.02	8319.95
Parts and accessories	262.81	250.38	324.33	4256.92	3860.12	6050.37
Transport equipment and accessories	152.17	230.92	104.83	4206.92	5427.91	4577.41
Passenger motor cars	4.12	6.75	16.17	645.22	884.00	919.80
Other Industrial	140.67	190.40	21.25	855.09	1605.93	634.94
Other Non-Industrial	0.01	33.77	0.04	560.20	423.21	470.15
Other parts and accessories	7.37		67.37	2146.41	2514.77	2552.52
Consumer goods N.E.S.	15014.33	15137.52	27224.87	2512.44	2319.07	2879.84
Durable	28.19	91.16	82.42	543.85	687.79	526.65
Semi-durable	8716.45	8498.60	13482.70	1122.82	908.74	1770.33
Non-durable	6269.69	6547.76	3659.75	845.77	722.54	582.86
Goods N.E.S.	146.05	61.27	57.51	700.71	469.30	703.12

Source : Foreign Trade Section, B.B.S., 1991

Table 30 - Export and Import by Major Institutional Accounts

(Million Taka)

Account	Export											
	1984-85		1985-86		1986-87		1987-88		1988-89		1989-90 (p)	
	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%
Government	2.02	0.01	18.80	0.07	4.25	0.01	2.74	-	5.1	-	8.1	-
Others (Government)	853.27	3.25	362.10	1.32	472.66	1.40	550.36	1.34	584.5	1.4	743.2	1.5
Nationalised Industries	6533.17	24.91	5601.41	20.45	4521.69	13.43	3985.90	9.69	3208.3	7.5	3707.4	7.4
Trading Corporation of Bangladesh	-	-	2.93	0.01	3.39	0.01	1.48	-	33.3	0.1	50.6	0.1
Private	18833.70	71.82	21410.96	78.15	28677.70	85.14	36620.62	88.97	38854.2	91.0	45601.7	91.0
Others	2.99	0.01	-	-	2.44	0.01	-	-	0.7	-	18.0	-
Total	26225.15	100.00	27396.20	100.00	33682.13	100.00	41161.10	100.00	42686.1	100.00	50129.0	100.0

(Million Taka)

Account	Import											
	1984-85		1985-86		1986-87		1987-88		1988-89		1989-90 (p)	
	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%
Government	11736.50	17.19	2533.08	4.03	4884.03	7.13	8556.46	9.35	8432.0	8.9	10024.7	9.6
Others (Government)	13126.23	19.23	3135.65	4.98	5018.47	7.34	3882.38	4.24	7154.7	7.5	9424.4	9.0
Nationalised Industries	7160.38	10.49	9389.20	14.92	8763.83	12.79	6588.21	7.19	14527.1	15.3	10737.0	10.2
Trading Corporation of Bangladesh	233.17	0.34	728.82	1.16	328.56	0.48	70.03	0.08	1963.1	2.1	416.3	0.4
Private	36006.61	52.75	47142.87	74.91	49485.15	72.24	72483.31	79.14	62952.2	66.2	74200.9	70.7
Others	-	-	-	-	16.04	0.02	7.81	-	45.9	-	140.3	0.1
Total	68262.89	100.00	63929.62	100.0	68496.08	100.0	91588.20	100.0	95075.0	100.0	104943.6	100.0

Source: Foreign Trade Section, B.B.S, 1991

Table 31 - Import and Export by Air, Sea and Land

(Million Taka)

Year	Import				Export			
	Sea	Air	Land	Total	Sea	Air	Land	Total
1978-79	21621.41	392.63	59.36	22073.40	9588.30	41.88	1.60	9631.78
1979-80	29543.75	313.83	667.33	30524.91	10805.85	134.80	55.92	10996.57
1980-81	35798.57	554.99	933.97	37287.53	11221.02	171.68	91.45	11484.15
1981-82	37394.92	386.74	947.74	38729.40	12029.45	275.43	82.08	12386.96
1982-83	44113.04	467.60	684.22	45264.86	17530.17	364.27	121.11	18015.55
1983-84	49144.45	728.51	1000.54	50873.50	19449.60	571.05	114.92	20135.57
1984-85	65759.98	817.11	1685.80	68262.89	24622.40	1232.08	370.67	26225.15
1985-86	58780.18	1877.67	2271.77	62929.62	24623.69	2746.58	25.93	27396.20
1986-87	63360.55	2343.29	2792.24	68496.08	29637.55	4032.89	11.69	33682.13
1987-88	86541.06	3169.50	1877.64	91588.20	36183.99	4918.45	58.66	41161.10
1988-89	85997.08	4992.49	4085.43	95075.00	39062.26	3610.74	13.14	42686.14
1989-90 (p)	96125.13	3531.19	5287.31	104943.63	45685.07	4442.04	1.90	50129.01

Source: Foreign Trade Section, BBS, 1991

Table 32 - Export Price (f.o.b.) Per Unit of Selected Commodities

(Taka)

Commodity	Unit	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 (p)
Raw jute	Ton	6289	7051	14659	12402	5600	9931	10261	6367
Jute manufactures:									
Hessian	Ton								
Sacking	"	15000	14000	20900	22457	14841	16963	22825	23332
Carpet backing	"	11157	15061	20300	18597	15520	17645	15995	14795
cloth	"	15000	15500	16822	23085	22269	14219	9203	9093
Tea	Kg	35	50	59	61	39	44	52	96
Newsprint	Ton	10480	9250	12146	-	12746	-	-	-
Frozen shrimp	Kg	124	131	150	220	191	224	227	199
Frog legs fresh/ frozen	Kg	54	77	78	103	136	97	193	78

Source: Foreign Trade Section, BBS, 1991

Table 33 - Import Price (CIF) per Unit of Selected Commodities

(Taka)

Commodity	Unit	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 (p)
Rice	M.Ton	5254	5604	5800	6406	4963	4991	5161	5828
Wheat	M.Ton	3117	3141	3380	3419	4023	4166	4240	4291
Raw Cotton	M.Ton	37500	39392	38905	37547	25985	40258	33090	67728
Soyabean oil	M.Ton	12600	16778	14905	14000	13822	11298	17745	15973
Cotton yarn	Kg.	85	105	82	99	90	113	114	117
Cement	M.Ton	1384	1320	1155	1290	1232	1332	1595	1930
Pig iron	M.Ton	3886	3679	4786	4647	5278	4496	5787	5883
Kerosene oil	M.Ton	8431	8105	7327	7165	6612	6474	6470	6358
Steel billets	M.Ton	12276	11100	11500	17439	19454	16432	9757	11340

Source: Foreign Trade Section, B.B.S, 1991

Table 34 - Export by Type of Commodities

(Million Taka)

Type of goods	Period and percentage											
	1983-84		1984-85		1985-86		1986-87		1987-88		1988-89	
	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%
Consumer goods	13412.6	66.6	18344.0	69.9	19690.5	71.9	24858.28	73.80	30811.4	74.9	30368.0	71.1
Materials for Consumption	6453.0	32.0	7570.0	28.9	7221.6	26.3	7740.26	22.98	9567.9	23.2	10831.2	25.4
Capital goods	70.1	0.4	255.0	1.0	163.0	0.6	781.75	2.32	508.3	1.2	1227.9	2.9
Materials for Capital goods	199.9	1.0	56.0	0.2	321.1	1.2	301.34	0.90	273.5	0.7	259.0	0.6
Total	20135.6	100.00	26225.0	100.00	27396.2	100.00	33681.63	100.00	41161.1	100.00	42686.1	100.0

Source: Foreign Trade Section, B.B.S, 1991

Table 35 - Import by Type of Commodities

(Million Taka)

Type of goods	Period and percentage											
	1983-84		1984-85		1985-86		1986-87		1987-88		1988-89	
	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%
Consumer goods	13652.3	26.8	22155.0	32.5	20650.8	32.8	22118.96	32.29	34072.9	37.2	32805.6	34.5
Materials for Consumption	18615.8	36.6	26196.0	38.4	22734.4	36.1	22437.01	32.76	32025.5	35.0	31388.7	33.0
Capital goods	13537.7	26.6	8544.0	12.5	7750.4	12.3	9204.32	13.44	9689.2	10.6	11229.8	11.8
Materials for Capital goods	5067.7	10.0	11368.0	16.6	11794.0	18.8	14735.79	21.51	15800.6	17.2	19650.9	20.7
Total	50873.5	100.00	68263.0	100.00	62929.6	100.00	68496.08	100.00	91588.2	100.0	95075.0	100.0

Source: Foreign Trade Section, B.B.S, 1991

Table 36 - Unit Price Index of Export, Import and Commodity Terms of Trade, 1976-77
(Base: 1976-77 = 100)

Group	Export						
	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 (p)
General	208	301	257	232	259	287	270
Raw Jute	177	322	242	201	231	270	235
Jute manufactured and Rayon	237	334	296	273	289	277	306
Leather	124	153	153	169	239	257	248
Paper	237	198	-	-	-	-	-
Tea	276	343	289	224	215	270	260
Meat, fish and fish products	201	218	226	242	286	318	197

Group	Import						
	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 (p)
General	194	219	246	259	278	238	270
Food	150	158	158	169	170	184	194
Clothing	168	183	173	170	199	216	224
Non-metallic construction materials	265	197	184	177	184	232	260
Tobacco products	210	183	187	283	261	287	317
Petroleum and petroleum products	380	412	375	297	303	252	286
Fertilizer Manufacturing	171	206	209	200	243	334	429
Iron and steel	-	538	638	573	719	-	286
Transport and communication	204	262	307	372	349	337	428
Commodity terms of trade	107	138	107	90	93	121	100

Source: Foreign Trade Section, B.B.S., 1991

2. LAND USE

Table 37 - Characteristics of General Soil Types

General Soil Types	Division/ District of important occurrence	Characteristics
Shallow Red-Brown Terrace Soil	Dhaka: Dhaka, Gazipur, Mymensingh, Tangail Rajshahi: Naogaon	Brown or red brown, usually strongly acid, structured, friable to firm clay loams to clays intergrading into a greyer compact Madhupur clay substratum within a metre below the surface. They mainly occur on the narrow terraces of the Madhupur Tract and locally in the dissected Barind Tract.
Deep Red-Brown Terrace Soils	Chittagong: Brahmanbaria Dhaka: Dhaka, Gazipur, Jamalpur, Mymensingh, Narsingdi, Tangail. Rajshahi: Bogra, Dinajpur, Gaibandha, Rangpur	Brown to red, slightly to strongly acid, finely structured, friable clay loams to clays, gradually intergrading into a mixed red Madhupur clay substratum to a deeper depth. They occur extensively on the edges of broad level terraces in the Madhupur Tract and locally in the north-eastern edge of the Barind Tract.
Brown Mottled Terrace Soils	Dhaka: Dhaka, Gazipur, Jamalpur, Mymensingh, Tangail Rajshahi: Bogra, Dinajpur, Gaibandha, Joypurhat, Rangpur	Brown mottled with specks of grey, pale brown and red, slight acid, structured, friable clay loams to clays intergrading into a mixed red and pale brown, rather friable and weathered Madhupur clay substratum. They occur in the middle parts of the broadly dissected level terraces of the Madhupur Tract and locally on the edges of the Barind Tract.
Shallow Grey Terrace Soils	Dhaka: Dhaka, Gazipur, Jamalpur, Mymensingh, Sherpur, Tangail Rajshahi: Bogra, Chapai Nawabganj, Dinajpur, Joypurhat, Naogaon, Rajshahi, Rangpur, Sirajganj.	Whitish grey, slightly to strongly acid, friable, somewhat porous silt loams to silty clays intergrading into a weakly mottled grey, compact and little altered Madhupur clay substratum at a shallow depth. They occur extensively in the level Barind Tract and locally on the flat areas of the narrow terraces of the Madhupur Tract.
Deep Grey Terrace Soils (including grey valley soils)	Dhaka: Dhaka, Gazipur, Jamalpur, Mymensingh, Tangail Rajshahi: Bogra, Chapai Nawabganj, Dinajpur, Gaibandha, Joypurhat, Naogaon, Rajshahi, Rangpur.	Whitish grey, speckled with brown or red mottles, slightly to strongly acid, friable and highly porous silt loams to silty clay loams, usually grading into a strongly mottled red and grey, rather friable and permeable Madhupur clay at a deeper depth. They occur extensively in the western parts of Barind Tract and also in smaller extent in the interiors of broad level terrace of the Madhupur Tract and in shallow valleys in both areas.

Source: Soil Resources Development Institute (SRDI)

Table 38 - General Soil Type and Area of each Soil Type

General Soil Type	Area (Km ²)	Proportion %
Flood Plain Soils:		
Non-calcareous Alluvium	5622.4	3.9
Calcareous Alluvium	5918.0	4.1
Acid Sulphate Soil	2266.2	1.6
Peat	1300.0	0.9
Non-calcareous Grey Floodplain Soils	33872.0	23.5
Calcareous Grey Floodplain Soils	1707.7	1.2
Grey Piedmont Soils	2152.8	1.5
Acid Basin Clays	3489.9	2.4
Non-calcareous Dark Grey Floodplain Soils	15997.0	11.1
Calcareous Dark Grey Floodplain Soil	14347.0	10.0
Calcareous Brown Floodplain Soil	4785.2	3.3
Non-calcareous Brown Floodplain Soils	3394.5	2.4
Brown Piedmont Soil	440.0	0.3
Black Terrace Soils	834.0	0.6
Made-land	1062.8	0.7
Area of Floodplain Soils	97189.5	67.5
Area of Miscellaneous Land Type	16705.5	11.6
Total Floodplain Area	113895.0	79.1
Hill Soils	15419.7	10.7
Area of Miscellaneous Land Types	2659.3	1.9
Total Hill Area	18079.0	12.6
Terrace Soils:		
Shallow Red-Brown Terrace Soils	730.1	0.5
Deep Red-Brown Terrace Soils	1905.9	1.3
Brown Mottled Terrace Soils	344.5	0.3
Shallow Grey Terrace Soils	2671.2	1.8
Deep Grey Terrace Soils	3543.9	2.4
Grey Valley Soils	1150.2	0.8
Area of Terrace Soils	10345.8	7.1
Area of Miscellaneous Land Types	1679.2	1.2
Total Terrace Area	12025.0	8.3
Total Area	143999.0	100.0

Source : Soil Resources Development Institute (SRDI), Ministry of Agriculture

Table 39 - Physio-Chemical and Mineralogical Properties of Different Soil of the Tertiary Hills of Bangladesh, 1989

Soil Orders	Geology	Relief	Texture	% Clay	W.H. capacity	EEC Clay	PH (H ₂ O)	O.C% Top Soil	Clay minerals
Tropaquept	Dupi-tila	Valley	CL-S1C	20-45	-	21	4.5-5.0	0.6	K,I,I, V-SM, C1-Vc
Tropdult	"	Hill slope	CL-SC	30-45	20	21	5.0-5.5	1.0	K,I,Sm,C1-V,I-V-Sm
Dystropept	"	"	CL-S1C	35-40	15	20	4.5-5.0	0.9	
Tropudult	"	Hill submit	SC-C	35-45	20	20	4.5-5.0	1.9	K,I,V,I-V
Dystropept	Tipan-Surma	Hill slope	S1CL-CL	35-40	20	25	5.0-5.5	1.0	K,I,Sm,C1-I-V-Sm
Tropudult	"	Hill submit	SCL-CL	30-35	15	25	5.0-5.5	1.3	"

Notes: CL = Clay loam, S1C = Silly Clay loam, SC = Sandy Clay, C = Clay, S1C1 = Silly Clay Loam, K = Kaolinite, I = Illite, Sm = Smectite, V = Vermiculite, I-V, I-V-Sm, C1-V = Interstratified mineral

Source: Bangladesh Forest Research Institute.

Table 40 - Areas Extent of Dendroecological Regions of Bangladesh, 1989

Soil groups/sub-group (Symbol in brackets)	(000 ha)		
	Inundation regime		
	(i0)	(i1)	(i2)
Estuarine floodplain soils (Fe)	43339	172200	705945
Gangetic floodplain soils (Fg)	657020	240370	1404593
Non-gangetic floodplain soils (Fn)	608694	635338	3513139
Deep terrace soils (Td)	172462	92294	153817
Shallow terrace soils (Ts)	540425	295019	95595
Valley terrace soils (Tv)	4902	1447	19733
High hills soils (Hh)	788921	438	2366
Low hill soils (Hi)	549705	6497	13538
Terrace fan soils (Pf)	158673	48547	371021
Himalayan piedmont soils (Pp)	233347	22865	114385
Anthropogenic soils (As)	103070	1440	1768

Source: Bangladesh Forest Research Institute

Table 41 - Salient Feature of Agroecological Regions

Agroecological regions	Location and extent	Land types	Main soil texture class
Old Himalayan Piedmont Plain	Part of Panchagarh, Thakurgaon and Dinajpur districts, 4008 km ²	Highland-58% Medium Highland-34% Medium Lowland-7% Homesteads+water-7%	Loamy; sandy
Active Tista Floodplain	Part of Nilphamari, Lalmanirhat, Kurigram, Rangpur and Gaibandha districts 863 km ²	Highland-2% Medium Highland-72% Homesteads+Water-26%	Loamy; sandy
Tista Meander Floodplain	Most of greater Rangpur, Part of Panchagarh, Dinajpur, Bogra, Jaipurhat, Naogaon and Rajshahi districts. 9468 km ²	Highland-35% Medium Highland-51% Medium Lowland-4% Lowland-1% Homesteads+water-9%	Loamy; Clayey
Karatoya Bangali Floodplain	Eastern half of Bogra and most of Sirajganj districts 2572 km ²	Highland-23% Medium Highland-44% Medium Lowland-14% Very Lowland-1% Homesteads+Water-14%	Loamy; Clayey
Lower Atrai Basin	Part of Naogaon, Natore, Rajshahi, Bogra and Sirajganj districts. 851 km ²	Highland-2% Medium Highland-8% Medium Lowland 21% Lowland-65% Homesteads+Water-4%	Clayey
Lower Purnabhaha Floodplain	Extreme western part of Naogaon and extreme northern part of Chapai Nawabganj districts 129 km ²	Medium Lowland-10% Lowland-60% Homesteads+water-30%	Clayey
Active Brahmaputra and Jamuna Floodplain	Eastern part of Kurigram, Gaibanda, Bogra, Sirajganj and Pabna districts. 3190 km ²	Highland-5% Medium, Highland-37% Medium Lowland-20% Lowland-8% Homesteads+Water-30%	Loamy; Sandy
Young Brahmaputra and Jamuna Floodplain	Western part of Sherpur, Jamalpur and Tangail districts; Part of Manikganj, Narayanganj, Gazipur and Mymensingh districts. 5924 km ²	Highland-18% Medium Highland-42% Medium Lowland-19% Lowland-9% Homesteads+Water-12%	Loamy
Old Brahmaputra Floodplain	Large areas in Sherpur, Jamalpur, tangail, Mymensingh, Netrokona, Kishoreganj, Narsingdi, and Narayanganj districts Part of Dhaka and Gazipur Districts. 7230 km ²	Highland-28% Medium Highland-35% Medium Lowland-20% Lowland-7% Homesteads+Water-10%	Loamy; Clayey.
Active Ganges Floodplain	Part of Chapai Nawabganj, Rajshahi, Barisal and Lakshmipur districts. 3334 km ²	Highland-12% Medium Highland-33% Medium Lowland-4% Homesteads+water-33%	Loamy

Table 41 - Salient Feature of Agroecological Regions (Cont'd)

Agroecological regions	Location and extent	Land types	Main soil texture class
High Ganges River Floodplain	Part of Chapai Nawabganj, Rajshahi, Naogaon, Pabna, Kushtia, Meherpur, Chuadanga, Jhenaidah, Magura, Jessore, Narail, Satkhira, and Khulna districts. 13205 km ²	Highland-43% Medium Highland-32% Medium Lowland-12% Lowland-2% Homesteads+Water-11%	Loamy; Clayey
Low Ganges River Floodplain	Part of Natore, Pabna Goalundo, Faridpur, Madaripur, Gopalganj, Satkhira, Kushtia, Magura, Narail, Khulna, Bagerhat, Barisal Manikganj, Dhaka and Munshiganj districts. 7968 km ²	Highland-13% Medium Highland-29% Medium Lowland-31% Lowland-14% Very Lowland-2% Homesteads+Water-11%	Loamy; Clayey
Ganges tidal Floodplain	Most of Barisal, Jhalakati, Pirojpur, Patuakhali, Barguna, Bagerhat, Khulna, Satkhira. It also includes Sundarban Reserved Forests. 17066 km ²	Highland-2% Medium Highland-78% Medium Lowland-2% Homesteads+Water-18%	Loamy; Clayey
Gopalganj-Khulna Bils	Basin areas in Madaripur Gopalganj, Narail, Jessore, Bagerhat and Khulna districts. 2247 km ²	Highland-3% Medium Highland-13% Medium Lowland-41% Lowland-28% Very Lowland-11% Homesteads+Water-4%	Clayey; Loamy; Organic
Arial Bil	Munshiganj and Dhaka districts 144 km ²	Medium Lowland-13% Lowland-73% Homesteads+Water-14%	Clayey
Middle Meghna River Floodplain	Parts of Kishoreganj Brahmanbaria, Comilla, Chandpur, Narsingdi and Narayanganj districts. 1555 km ²	Medium Highland-8% Medium Lowland-25% Very Lowland-11% Homesteads+Water-27%	Loamy Clayey
Lower Meghna River Floodplain	Chandpur, Lakshmipur and Noakhali districts. 909 km ²	Highland-14% Medium Highland-28% Medium Lowland-31% Homesteads+Water-27%	Loamy
Young Meghna Estuarine Floodplain	Part of Chittagong Feni, Noakhali, Lakshmipur, Bhola, Barisal Patuakhali and Barguna districts. 9269 km ²	Medium High Land-45% Medium Lowland-7% Homesteads+Water-48%	Loamy
Old Meghna Estuarine Floodplain	Part of Kishoreganj, Habiganj, Brahmanbaria, Comilla, Chandpur, Feni, Noakhali, Lakshmipur, Narsingdi, Narayanganj, Dhaka, Sariatpur, Madaripur, Gopalganj and Barisal districts. 7740 km ²	Highland-2% Medium Highland-24% Medium Lowland-33% Lowland-21% Very Lowland-3% Homesteads+Water-17%	Loamy; Clayey

Table 41 - Salient Feature of Agroecological Regions (Cont'd)

Agroecological regions	Location and extent	Land types	Main soil texture class
Eastern Surma-Kushiara Floodplain	Part of Sylhet, Moulvi Bazar, Sunamganj and Habiganj districts. 4622 km ²	Highland-5% Medium Highland-25% Medium Lowland-20% Lowland-36% Homesteads + Water-14%	Clayey; Loamy
Sylhet Basin	Part of Sunamganj, Habiganj, Netrakona Kishoreganj and Brahmanbaria districts. 4573 km ²	Medium Highland-4% Medium Lowland-19% Lowland-43% Very Lowland-23% Homesteads + Water-11%	Clayey
Northern and Eastern Piedmont Plains	Part of Sherpur, Netrokona, Sunamganj, Sylhet, Moulvi Bazar, Habiganj, Brahmanbaria and Comilla districts. 4038 km ²	Highland-33% Medium Highland-31% Medium Lowland-16% Lowland-9% Very Lowland-1% Homesteads + Water-10%	Loamy; Clayey
Chittagong Coastal Plain	Part of Feni, Cox's Bazar and Chittagong districts. 3720 km ²	Highland-17% Medium Highland-43% Medium Lowland-13% Homesteads + water-27%	Loamy; Clayey; Sandy
St. Martin's Coral Island	St. Martin's Island 8 km ²	Highland-33% Medium Highland-63% Medium Lowland-2% Homesteads + Water-2%	Sandy
Level Barind Tract	Part of Dinajpur, Gaibandha, Jaipurhat, Bogra, Naogaon and Sirajganj districts. 5049 km ²	Highland-30% Medium Highland-55% Medium Lowland-4% Lowland-2% Homesteads + Water-9%	Clayey
High Barind Tract	Part of Rajshahi, Nawabganj and Naogaon districts. 1600 km ²	Highland-93% Medium Highland-1% Homesteads + water-6%	clayey
North-Eastern Barind Tract	Part of Dinajpur, Rangpur, Gaibandha, Jaipurhat and Bogra districts. 1079 km ²	Highland-36% Medium Highland-56% Medium Lowland-1% Homesteads + Water-7%	clayey
Madhupur Tract	Part of Dhaka, Narshingdi, Narayanganj, Gazipur, Tangail, Jamalpur, Mymensingh and Kishoreganj districts. 4244 km ²	Highland-56% Medium Highland-18% Medium Lowland-7% Homesteads + Water-10%	Clayey

Table 41 - Salient Feature of Agroecological Regions (Cont'd)

Agroecological regions	Location and extent	Land types	Main soil texture class
Northern and Eastern Hills	Part of Khagrachari, Chittagong Hill Tracts, Bandarban, Chittagong, Cox's Bazar, greater Sylhet, Feni, Comilla, Brahmanbaria, Sherpur and Mymensingh districts. 18171 km ²	Highland-93% Medium Highland-2% Homesteads+water-5%	Loamy + Loamy skeletal Sandy
Akhaura Terrace	Part of Brahmanbaria and Habiganj districts 113 km ²	Highland-55% Medium Highland-11% Medium Lowland-10% Lowland-15% Very Lowland-3% Homesteads+Water-6%	Clayey + Loamy

Source: Bangladesh Forest Research Institute

Table 42 - Land Utilization and Total Cropped Area

(Thousand ha)

Year	Forest	Not available for cultivation	Culturable waste (a)	Current fallows (b)	Net cropped area	Area sown more than once	Total cropped area (c)
1971-72	2,228.6	2,657.1	297.0	850.2	8,243.7	3,155.7	11,399.4
1972-73	2,228.6	2,659.6	275.6	679.5	8,433.5	3,318.0	11,751.5
1973-74	2,228.6	2,660.8	271.9	627.3	8,489.0	3,418.3	11,907.3
1974-75	2,212.0	2,661.2	271.1	813.0	8,319.8	3,269.0	11,588.8
1975-76	2,200.6	2,679.8	267.9	643.8	8,485.3	3,528.0	12,013.3
1976-77	2,205.1	2,681.4	267.5	849.8	8,273.7	3,455.2	11,727.2
1977-78	2,195.4	2,698.8	269.1	743.8	8,374.0	3,645.8	12,019.8
1978-79	2,194.6	2,700.8	252.1	712.2	8,417.7	4,469.7	12,887.4
1979-80	2,196.2	2,705.7	248.9	690.4	8,446.9	4,491.9	12,938.8
1980-81	2,191.7	2,716.2	250.5	568.2	8,562.2	4,598.4	13,160.6
1981-82	2,144.0	2,766.8	247.3	546.3	8,584.1	4,623.9	13,207.9
1982-83	2,143.2	2,782.6	231.5	484.0	8,647.6	4,759.4	13,407.0
1983-84	2,106.4	2,895.9	327.8	454.9	8,677.1	4,682.6	13,359.7
1984-85	2,143.6	2,910.9	291.8	494.1	8,641.1	4,509.3	13,150.5
1985-86	2,119.3	2,921.8	271.1	403.5	8,765.8	4,774.4	13,540.2
1986-87	1,986.6	3,205.5	263.9	348.4	8,853.6	4,490.7	13,344.3

Notes:

- a. Culturable waste is the area suitable for cultivation but lying fallow for more than one year.
b. Current fallow is the area already brought under cultivation, but not cultivated during the year.
c. Total cropped area is the sum of the net cropped area and the area sown more than once.

Source: Agriculture Statistics, BBS, 1991

Table 43 - Land Utilization by Region and Intensity of Cropping

(Thousand acres)

Region (Former District)	Total area of the region			Not available for cultivation			Forest			Culturable waste			Current fallows		
	1984-85	1985-86	1986-87	1984-85	1985-86	1986-87	1984-85	1985-86	1986-87	1984-85	1985-86	1986-87	1984-85	1985-86	1986-1987
Bandarban	1130	1130	1107	16	17	197	1041	1052	675	19	8	125	5	5	19
Chittagong	1731	1731	1848	337	338	429	531	536	531	35	35	42	106	100	119
Comilla	1660	1660	1654	291	292	296	2	2	2	6	6	6	91	62	51
Khagrachhari	657	657	667	125	126	155	399	399	369	23	21	20	40	35	31
Noakhali	1349	1349	1342	222	230	161	143	51	144	53	113	74	52	82	81
Rangamati	1484	1484	1461	139	140	150	1243	1240	1192	21	23	23	14	14	19
Sylhet	3143	3143	3725	853	855	1266	166	166	224	228	198	169	260	226	219
Dhaka	1845	1845	1797	427	431	407	68	76	68	14	12	9	76	73	61
Faridpur	1728	1728	1709	461	461	443	-	-	-	3	2	1	69	20	20
Jamalpur	840	840	833	132	133	148	17	17	17	16	17	14	10	11	9
Kishoreganj	1400	1400	1446	325	325	377	3	4	3	34	34	28	78	82	79
Mymensingh	999	999	1012	153	153	160	36	36	36	5	3	2	4	2	2
Tangail	833	833	844	87	87	100	107	122	107	15	6	5	14	7	4
Barisal	1787	1787	1961	501	502	690	43	45	43	54	40	31	13	10	8
Jessore	1626	1626	1621	350	351	353	-	-	-	16	10	10	49	16	12
Khulna	2977	2977	2963	460	462	447	1421	1421	1421	4	3	2	19	10	10
Kushtia	877	877	863	150	150	141	-	-	-	1	1	1	94	71	65
Patuakhali	1177	1177	1174	335	335	323	42	37	42	38	37	15	21	16	13
Bogra	961	961	960	222	222	226	-	-	-	1	1	1	14	7	9
Dinajpur	1670	1670	1644	310	310	283	25	24	26	32	32	32	42	49	49
Pabna	1201	1201	1214	239	239	297	-	-	-	1	1	3	42	35	32
Rajshahi	2339	2339	2341	521	522	534	5	4	5	42	32	22	52	33	32
Rangpur	2371	2371	2376	537	538	558	5	5	5	60	35	25	56	31	30
Bangladesh	35785	35785	36562	7193	7220	8141	5297	5237	4910	721	670	660	1221	997	971

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Table 43 - Land Utilization of Region and Intensity of Cropping (Cont'd)

Region (Former District)	Net Cropped Area ('000 acres)			Total Cropped area ('000 acres)			Intensity of cropping = total cropped area % net cropped area x 100		
	1984-85	1985-86	1986-87	1984-85	1985-86	1986-87	1984-85	1985-86	1986-87
Bandarban	49	48	94	58	54	131	118.37	112.50	139.35
Chittagong	722	722	728	1172	1122	1174	162.33	155.40	161.26
Comilla	1270	1298	1298	2081	2174	2189	163.86	167.49	168.64
Khagrachari	70	76	85	86	96	116	122.86	126.32	136.47
Noakhali	879	873	883	1364	1352	1431	155.18	154.87	162.06
Rangamati	67	67	81	90	87	108	134.33	129.85	133.33
Sylhet	1636	1698	1846	2219	2402	2697	135.64	141.46	146.10
Dhaka	1260	1253	1253	1758	1725	2214	139.52	137.67	176.70
Faridpur	1195	1245	1245	1850	2055	2056	154.81	165.06	165.14
Jamalpur	665	662	645	1165	1120	1267	175.19	169.18	196.43
Kishoreganj	959	954	958	1583	1541	1589	165.07	161.53	165.87
Mymensingh	802	805	812	1519	1595	1609	189.40	198.14	198.15
Tangail	610	611	628	1045	1047	1112	171.31	171.36	177.07
Barisal	1176	1190	1189	1682	1745	1773	143.03	146.64	149.12
Jessore	1211	1249	1245	1586	1688	1737	130.97	135.15	139.52
Khulna	1072	1081	1082	1362	1416	1419	127.05	130.99	131.15
Kushtia	633	655	656	932	977	1085	147.24	149.16	165.40
Patuakhali	742	752	781	1009	1057	1129	147.98	140.56	144.56
Bogra	724	731	725	1260	1349	1350	174.03	184.54	186.21
Dinajpur	1261	1255	1254	1750	1709	1703	138.78	136.17	135.81
Pabna	919	926	883	1440	1455	1564	156.69	157.13	177.12
Rajshahi	1718	1748	1749	2252	2312	2234	131.08	132.27	127.13
Rangpur	1713	1762	1758	3233	3381	3196	188.73	191.88	181.80
Bangladesh	21353	21661	21878	3249	33459	34883	152.18	154.47	159.44

Source: Agriculture Statistics, BBS

Table 44 - Districtwise Distribution of Agricultural Land Types, 1990

(km²)

Division	District/ Zila	Highland	Medium highland	Medium lowland	Lowland	Very lowland	Total
Chittagong	Bandarban	4506.3	12.5	0.0	0.0	0.0	4518.8
	Brahmanbaria	82.0	331.9	614.6	277.6	263.7	1569.8
	Chandpur	82.7	238.0	671.5	130.5	0.0	1122.7
	Chittagong	1638.4	1880.8	242.8	2.3	0.0	3764.3
	Chittagong H.T.	5047.6	27.3	4.6	0.0	0.0	5079.5
	Comilla	74.0	772.9	822.5	733.5	0.0	2402.9
	Cox's Bazar	935.5	722.4	245.4	0.0	0.0	1903.3
	Feni	105.0	559.4	76.0	10.0	0.0	750.4
	Habiganj	380.4	638.8	645.1	584.9	74.6	2323.8
	Khagrachhari	2568.3	69.3	0.0	0.0	0.0	2637.6
	Lakshmipur	82.3	799.4	296.0	25.4	0.0	1203.1
	Moulvi Bazar	1019.0	796.6	177.4	406.7	0.0	2399.7
	Noakhali	17.4	1194.9	481.2	15.5	0.0	1709.0
	Sunamganj	110.0	511.4	840.8	1130.2	668.3	3260.7
	Sylhet	365.4	978.2	393.8	1209.0	0.0	2946.4
Division Total		17014.3	9533.8	5511.7	4525.6	1006.6	37592.0
Dhaka	Dhaka	307.2	122.0	320.5	341.4	30.2	1121.3
	Faridpur	361.9	813.0	473.9	51.0	0.0	1699.8
	Gazipur	901.9	312.8	157.2	37.3	168.2	1577.4
	Gopalganj	88.0	293.9	386.3	628.4	26.1	1422.7
	Jamalpur	473.2	949.7	405.7	6.5	0.0	1835.1
	Kishoreganj	12.5	701.7	452.7	1099.3	0.0	2266.2
	Madaripur	109.5	322.9	397.8	150.6	7.7	988.5
	Manikganj	161.0	424.2	226.8	255.5	92.3	1159.8
	Munshiganj	80.3	130.0	172.8	80.8	293.7	757.6
	Mymensingh	544.0	2321.2	723.0	78.2	0.0	3666.4
	Narayanganj	92.5	108.4	145.9	45.6	211.7	604.1
	Narsingdi	237.7	277.0	177.0	87.3	167.3	946.3

Table 44 - Districtwise Distribution of Agricultural Land Types, 1990 (Cont'd)

(km²)

Division	District/ Zila	Highland	Medium highland	Medium lowland	Lowland	Very lowland	Total
	Netrakona	51.0	1316.0	685.6	760.1	0.0	2812.7
	Rajbari	211.4	452.4	214.9	37.0	0.0	915.7
	Sariatpur	60.6	235.7	326.6	71.2	0.0	694.1
	Sherpur	594.9	518.1	120.3	14.0	0.0	1247.3
	Tangail	910.7	1333.0	639.4	173.6	0.0	3056.7
Division Total		5198.3	10632.0	6026.4	3917.8	997.2	26771.7
Khulna	Bagerhat	148.3	2703.6	309.5	76.8	0.0	3238.2
	Barguna	0.0	1241.1	3.1	0.0	0.0	1244.2
	Barisal	171.2	1330.6	261.3	45.7	0.0	1808.8
	Bhola	4.2	1496.6	201.9	0.0	0.0	1702.7
	Chuadanga	494.8	441.6	119.5	3.2	0.0	1059.1
	Jessore	1124.8	720.4	367.8	102.9	0.0	2315.9
	Jhalakathi	8.6	599.2	4.9	0.0	0.0	612.7
	Jhenaidah	852.0	613.3	236.4	67.6	0.0	1769.3
	Khulna	135.5	3445.3	372.6	79.1	0.0	4032.5
	Kushtia	513.0	627.8	281.0	66.2	0.0	1488.2
	Magura	131.0	367.5	200.0	46.4	0.0	926.9
	Meherpur	290.2	272.1	103.7	2.7	0.0	668.7
	Narail	118.2	272.0	395.0	116.1	0.0	901.3
	Patuakhali	0.0	1897.6	132.5	0.0	0.0	2030.1
	Pirojpur	32.6	980.7	55.5	41.7	0.0	1110.5
Satkhira	465.7	2598.0	144.0	0.0	0.0	3207.7	
Division Total		4672.3	19607.4	3188.7	648.4	0.0	28116.8
Rajshahi	Bogra	384.7	1911.5	245.7	22.1	0.0	2564.0
	Chapai Nawabganj	193.9	1481.9	190.7	116.3	0.0	1982.8
	Dinajpur	1213.5	1900.5	36.6	20.4	0.0	3171.0
	Gaibandha	49.6	1588.3	139.3	51.3	0.0	1828.5

Table 44 - Districtwise Distribution of Agricultural Land Types, 1990 (Cont'd)

(km²)

Division	District/Zila	Highland	Medium highland	Medium lowland	Lowland	Very lowland	Total
	Joypurhat	104.4	743.9	36.4	0.0	0.0	884.7
	Kurigram	73.8	1272.9	135.4	28.7	0.0	1510.8
	Lalmonirhat	233.6	822.6	21.6	0.0	0.0	1077.8
	Naogaon	219.7	1870.2	273.2	340.8	0.0	2703.9
	Natore	123.7	984.7	364.5	374.0	0.0	1846.9
	Nilphamari	352.9	1139.0	6.2	0.0	0.0	1498.1
	Pabna	363.7	543.6	511.2	481.7	143.5	2043.1
	Panchagarh	811.5	538.5	4.5	3.1	0.0	1357.6
	Rajshahi	310.4	1447.8	289.0	84.2	0.0	2131.4
	Rangpur	400.2	1669.0	8.4	0.0	0.0	2077.6
	Sirajganj	438.1	765.5	542.3	332.7	11.2	2089.8
	Thakurgaon	1061.4	622.4	11.4	10.7	0.0	1705.9
Division total		6335.1	19302.3	2816.4	1866.0	154.7	30474.5
Total of Land Types		33220.0	59075.5	17543.2	10957.8	2158.5	122955.0
Miscellaneous Land Types							
	Homesteads and included tanks						10847.5
	Urban						791.3
	Rivers, beels etc						9405.2
	Total area of Miscellaneous land types						21044.0
Grand Total							143999.0

Source: Soil Resource Development Institute (SRDI) Ministry of Agriculture

3. FOREST RESOURCES

Table 45 - Area under Forest by Legal Status

(mile²)

Year	WAPDA and Khasland	Garden area	Reserve forests	Acquired forests	Vested forests	Protected forests	Unclassed state forests	Total	% of total area
1971-72	-	0	4362	373	41	222	4176	9175	16
1972-73	6	0	4369	373	41	222	4176	9188	16
1973-74	6	0	4391	373	41	222	3507	8541	15
1974-75	9	0	4405	365	41	222	3507	8550	15
1975-76	47	0	4430	365	41	222	3502	8608	15
1976-77	47	0	5104	365	41	222	3502	9282	16
1977-78	48	-	5101	367	41	222	3513	9292	16
1978-79	47	-	5129	341	41	222	3517	9299	16
1979-80	47	-	5427	346	43	222	3521	9606	17
1980-81	47	-	5422	399	42	222	3440	9572	17
1981-82	48	-	5422	397	41	222	3498	9629	17
1982-83	48	-	5425	311	42	222	1553	7601	13
1983-84	787	-	4893	306	42	222	1440	7689	13
1984-85	47	0	5644	268	41	231	1768	7994	14
1985-86	54	0	5718	262	35	207	2443	8720	15
1986-87	46	0	4882	361	35	206	1578	7108	13
1987-88	54	0	5097	447	35	206	1023	7420	13
1988-89	50	-	4952	492	35	199	1390	7180	13
1989-90	399	-	5063	156	97	143	1313	7161	12
1991-92	392	-	5093	163	87	135	2785	8655	15

Source: Statistical Year Book, 1991. Bangladesh Bureau of Statistics, upto 1989-90 and Forest Department for the year 1991-92

Table 48 - Divisional Forest Area by Legal Status, 1992

(ha)

Forest Division	Reserved forests	Acquired forests	Protected forests	Vested forests	Unclassed	Khas	Total
HILL FOREST	594383	11004	32303	2636	721344	-	1361670
CHT (North) ✓	159379	-	-	-	153063	-	312442
CHT (South) ✓	82161	-	-	-	172721	-	254882
Bandarban USF ✓	40198	-	-	-	78592	-	118790
Pulpwood Bandarban	-	-	-	-	58236	-	58236
Lama ✓	-	-	-	-	75149	-	75149
USF Rangamati	12801	-	-	-	89694	-	102495
Jhum Control ✓	12903	-	-	-	9600	-	22503
Pulpwood Kaptai ✓	29279	-	-	-	-	-	29279
Khagrachari USF ✓	1409	-	-	-	82073	-	83482
Chittagong	82307	5096	19873	2636	-	-	109912
Cox's Bazar	104103	1241	12430	-	-	-	117774
Sylhet	69843	4667	-	-	2215	-	76725
INLAND FOREST	68140	31198	2689	19985	-	-	122012
Dhaka	26221	-	-	-	-	-	26221
Tangail	22460	27287	-	-	-	-	49747
Mymensingh	13467	-	-	15019	-	-	28486
Dinajpur	5037	387	-	4681	-	-	10105
Rangpur	763	1697	263	-	-	-	2723
Rajshahi	192	11	2426	276	-	-	2905
Comilla Extn	-	1696	-	-	-	-	1696
Dhaka Extn (South)	-	-	-	9	-	-	9
Kushtia Extn	-	8	-	-	-	-	8
Bogra Extn	-	7	-	-	-	-	7
Faridpur Extn	-	10	-	-	-	-	10
Jessore Extn	-	9	-	-	-	-	9
Botanical Garden, Dhaka	-	86	-	-	-	-	86
LITTORAL FOREST	656579	6	-	-	-	101526	758111
Sundarbans	577285	-	-	-	-	-	577285
Bhola CA	2236	-	-	-	-	24304	26540
Patuakhali CA	8571	-	-	-	-	13293	21864
Noakhali CA	35741	6	-	-	-	54618	90365
Chittagong CA	32746	-	-	-	-	9311	42057
Total	1319102	42208	34992	22621	721344	101526	2241793

Abbreviations: CHT - Chittagong Hill Tracts, USF - Unclassed State Forest, Extn - Extension, CA -Coastal Afforestation

Source: Forestry Master Plan, 1992

Table 49 - Divisional Forest Area by Type, 1992

Forest Division	Natural forest medium to good density	Natural forest poor density	Scattered trees and denuded	Mainly bamboo	Plantation including failed plantation	Jhum and encroachment	Unproductive including blanks	Parks and sanctuary	Water/ Swamp/ Agri	Other Including USF	Total
CHT (North)	41393	11832	3525	12635	22376	16622	4078	42087	4831	153063	312442
CHT (South)	1451	3601	6494	13606	22599	31783	586	-	1727	173035	254882
Bandarban USF	3300	7300	4200	14791	6878	3430	-	-	400	77991	118790
Bandarban Pulpw	-	-	-	-	8722	-	-	-	-	49514	58236
Lama	-	-	-	-	2331	-	-	-	-	72818	75149
USF Rangamati	-	-	-	-	5224	-	-	-	-	89694	102495
Jhum Control	-	-	7577	-	15364	-	-	-	-	7139	22503
Kaptai Pulpwood	-	-	-	-	18169	-	-	-	-	11110	29279
<u>Khagrachari</u>	-	-	-	-	1409	-	-	-	-	82073	83482
Chittagong	15788	22786	15616	-	33426	12535	2000	7761	-	-	109912
Cox's Bazar	20135	6840	10763	16338	40405	3913	-	13344	6030	-	117774
Sylhet	2749	-	9413	13826	40810	2510	5115	1095	18992	2215	76725
Subtotal	85316	52359	57593	71196	197714	70793	11779	64237	31980	718652	1361670
Dhaka	-	8664	3436	-	3099	5000	1000	5022	-	-	26221
Tangail	-	12517	18570	-	3631	3593	3000	8436	-	-	49747
Mymensingh	-	4787	1455	-	9147	11336	1761	-	-	-	28486
Dinajpur	-	1513	-	-	2249	5828	463	52	-	-	10105
Rangpur	-	50	-	-	1746	927	-	-	-	-	2723
Subtotal	-	27531	23461	-	19872	26684	6224	13510	-	-	177282
Dhaka Ex (South)	-	-	-	-	-	-	-	-	-	9	9
Botanical Garden	-	-	-	-	-	-	-	-	-	86	86
Comilla Extn	-	-	1696	-	-	-	-	-	-	-	1696
Kushtia Extn	-	-	-	-	-	-	-	-	-	8	8
Bogra Extn	-	-	-	-	-	-	-	-	-	7	7
Faridpur Extn	-	-	-	-	-	-	-	-	-	10	10
Rajshahi Extn	-	-	129	-	1214	1536	26	-	-	-	2905
Jessore Extn	-	-	-	-	-	-	-	-	-	9	9
Subtotal	-	-	1825	-	1214	1536	26	-	-	129	4730
Sundarban	374899	-	-	-	-	-	-	32386	170000	-	577285
Subtotal	374899	-	-	-	-	-	-	32386	170000	-	577285
Bhola CA	-	-	-	-	24232	-	-	40	-	2268	26540
Patuakhali CA	-	-	-	-	17816	-	-	-	-	4048	21864
Noakhali CA	-	-	-	-	38172	-	-	-	-	52193	90365
Chittagong CA	-	-	-	-	32746	-	-	-	-	9311	42057
Subtotal	-	-	-	-	112966	-	-	40	-	67820	180826
Grand Total	460215	79890	82879	71196	331766	99013	18029	110223	201980	786601	2241793

Source: Forestry Master Plan, 1992

Table 50 - Area and Stock Volume of the Natural Forests of Kassalong and Rankhiang by Forest Cover Type

Location	Forest cover type	1963		1983		1991	
		Area (ha)	Volume (000 m3)	Area (ha)	Volume (000 m3)	Area (ha)	Volume (000 m3)
Kassalong	Timber-types	52689	7002	46395	6338	41393	5654
	Timber-bamboo	23506	2818	14878	1679	11832	1336
	Bamboo-timber	31972	1726	23525	1270	23525	1270
	Bamboo-types	41366	714	12653	219	12653	219
	Plantation	5013	-	14330	-	22376	-
	Non-forest and Non-Products Area	9981	-	52667	-	47600	-
Sub Total		164527	12260	164448	9506	159379	8479
Rankhiang	Timber-types	20325	3256	7116	1220	1167	200
	Timber-bamboo	6933	988	3228	394	3228	394
	Bamboo-timber	17519	809	6194	286	6198	286
	Bamboo-types	27907	563	13606	275	13606	275
	Plantation	2011	-	8873	-	18759	-
	Non Forest and Non Products Area	2409	-	38087	-	33296	-
Sub Total		77104	5646	77104	2175	76300	1154
Grand Total		241631	17906	241552	11681	235679	9634

Source: De Milde, R. *et. al.* 1985. The Kassalong and Rankhiang Reserve Forests in the Chittagong Hill Tracts, FAO/UNDP Project, BGD/79/017. Field Document No. 10 and Forestry Master Plan Studies, 1992.

Table 51 - Area and Stock Volume of Natural Forests of Chittagong and Cox's Bazar Divisions by Forest Cover Type, 1985

Forest Type	Chittagong Forest Division		Cox's Bazar Forest Division	
	Area (ha)	Volume (m3)	Area (ha)	Volume (m3)
Large crowned (HF)	7456	672531	12891	1490200
Small crowned (LF)	22037	1004887	17882	1022908
Garjan forest (GF)	510	45441	521	62728
Brash and scattered trees (ST)	22468	548219	3205	120829
Total	52471	2271078	34499	2696665

Source: De Milde, R. *et. al.* 1985. The High Forest in the Chittagong District. FAO/UNDP Project BGD/79/017. Field Document No. 11, Vol. 1.

Table 52 - Area and Stock Volume of Sylhet Forest Division by Forest Cover Type, 1987

Forest Cover Type	Area (ha)	(%)	Volume (estimated) (000 m3)
Plantation	11502	28	643
Natural Forest	6169	15	276
Bamboo	13933	34	222
Denuded	3407	8	-
Non-forest	5161	12	-
Total	40172	100	920

Notes:* Gross volume from closed canopy natural forest (226, 200 cu m) and open canopy natural forest (50,000 cu m)
+ Figure in AD ton.

Source: Drigo, *et. al.* 1988. Inventory of Forest Resources of Southern Sylhet Forest Division. FAO/UNDP Project. Field Document No. 3.

Table 53 - Area and Volume of Stock for Sylhet Natural Forest, 1988

Forest Type	Area (ha)	Volume m3/ha	Total volume m3
Large crowned high forest	796	90.3	71878
Small crowned high forest	1953	61.3	119717
Scattered trees	2629	25.0	65725
Total	5378	-	257322

Table 54 - Area and Volume (Merchantable) of Sundarbans Forest by Forest Types, 1985

Forest Type	Area (sq km)	Volume (000 m3)
Sundri+other species mixed with sundri	2083	6798
Gewa+other species mixed with gewa	1808	1793
Other mixed species (Passur, kankra, dhundal, baen)	33	476
Keora + other species mixed with Keora	32	1579
Total	3956	10646

Notes: Total standing volume (10 cm top dia under bark) of sundri (dbh > 17 cm), gewa (dbh > 12 cm) and keora (> = 30 cm) of sound timber only

Source: Chaffey, et.al. 1985. Forest Inventory of the Sundarbans, Bangladesh

Table 55 - Area Statement of Sal Forest by Division, 1990

Division	Total Area (ha)	Wood Land (ha)	Plantation (ha)	Degraded and blanks (ha)	Encroachment (ha)
Mymensingh	27672	5787	3844	5401	12640
Dhaka	6734	6734	15414	15414	3157
Tangail	41857	9975	5157	12836	13889
Dinajpur	9538	946	515	3460	4617
Rangpur	3195	84	-	1746	1365
Rajshahi	2893	129	14	859	1819
Total	111377	23655	10447	39716	37559

Source: FAO/UNDP/BGD/85/085, December, 1990

Table 56 - Standing Volume in Wooded Lands of Sal Forest, 1990

Division	Total Area (ha)	Wood Land (ha)	Volume in Wooded Land m3	Volume in Degraded Land m3
Dhaka	26222	6734	304233	29285
Mymensingh	27672	5787	247128	10260
Tangail	41857	9975	537223	24380
Dinajpur	9538	946	52944	-
Rangpur	3195	84	1735	-
Rajshahi	2893	129	1519	-
Total	111377	23655	1144782	63925

Source: FAO/UNDP/BGD/85/085, December, 1990

Table 57 - Area of Forest by Types Sangu and Matamuhuri Reserves

Type	1961 inventory			1984 inventory		
	Area (ha)	%	m ³	Area (ha)	%	m ³
High forest medium-good density	7100	9.5	5.7 mill	8700	11.7	5.7 mill
High forest poor density	18450	24.8				
Low immature forest poor density	14530	19.5				
Low forest medium-good density	2380	3.2				
Mainly Bamboo	31260	42.0	5.7 mill			5.7 mill
Shifting cultivation (Jhum)	30	0.5		17100	23.0	
Grass land (along reserves) agri settlement	270	0.4		380	0.5	
Water area	480	0.6		480	0.6	
Total	74500	100		74500	100	

Source: Forest Department, Working Plans, Working Plans Division

Table 58 - Summary: Area and Volumes of Hill Forests of Bangladesh, 1990

Forest Area/Division	Area (ha)	Volume in m ³
Kassalong	159379	8479300
Rankhiang	76300	1154900
Sangu-Matamuhuri	74500	5700000
Chittagong Division	52471	2271078
Cox's Bazar Division	34499	2696663
Sylhet Division	5378	257322
Total	402527	20559274

Source: Forestry Master Plan Study, 1992 (compiled from Inventory Reports)

4. PLANTATION AREAS AND PRODUCTION

Table 59 - Hundred Years of Forest Plantations in Bangladesh, 1873-1978

(acre)

Plantation Year/Division	From 1873 upto 1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Chittagong			4	9	31	45	75	43	28	27	19
Cox's Bazar			5	-	9	-	51	6	-	14	12
C.H.T (South)	225	57	-	43	2	4	38	50	84	66	82
C.H.T (North)											
Pulp-wood											
Jhum Control											
Sylhet				20	9	15	22	23	58	69	55
Mymensingh											
Tangail											
Dhaka											
Bangladesh	225	57	9	72	51	64	186	122	170	176	168

Table 59 - Hundred Years of Forest Plantations in Bangladesh, 1873-1978 (Cont'd)

(acre)

Plantation Year/Division	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
Chittagong	26	59	24	8	8	7	7	4	6	3	5
Cox's Bazar	29	38	22	20	-	-	-	-	4	-	1
C.H.T (South)	66	132	83	34	29	75	95	104	93	81	92
C.H.T (North)	10	-	-	-	-	-	-	-	-	-	-
Pulp-wood											
Jhum Control											
Sylhet	49	104	102	99	117	119	107	76	49	53	74
Mymensingh											
Tangail											
Dhaka											
Bangladesh	180	333	231	161	154	203	210	184	152	157	172

Table 59 - Hundred Years of Forest Plantations in Bangladesh, 1873-1978 (Cont'd)

Plantation Year/Division	(acre)										
	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Chittagong	29	5	5	8	11	8	18	40	75	103	159
Cox's Bazar	-	-	-	-	1	3	1	20	63	142	107
C.H.T (South)	85	78	94	89	103	117	79	119	70	81	102
C.H.T (North)	13	-	25	-	-	-	14	-	53	143	151
Pulp-wood											
Jhum Control											
Sylhet	73	70	73	81	65	88	106	84	191	194	221
Mymensingh											
Tangail											
Dhaka											
Bangladesh	200	153	197	178	180	216	218	263	452	663	740

Table 59 - Hundred Years of Forest Plantations in Bangladesh, 1873-1978 (Cont'd)

Plantation Year/Division	(acre)										
	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Chittagong	234	202	218	206	229	234	236	242	220	401	342
Cox's Bazar	219	274	308	322	398	303	298	1114	379	590	460
C.H.T (South)	96	83	128	149	1140	176	202	283	240	266	278
C.H.T (North)	156	61	233	71	266	348	236	280	129	376	586
Pulp-wood											
Jhum Control											
Sylhet	227	226	208	223	193	207	201	251	397	283	769
Mymensingh									314	347	
Tangail											
Dhaka											
Bangladesh	932	846	1095	970	1226	1268	1173	2170	1365	2230	2782

Table 59 - Hundred Years of Forest Plantations in Bangladesh, 1873-1978 (Cont'd)

(acre)

Plantation Year/ Division	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973
Chittagong	471	573	1555	901	1529	2235	-	1297	561	172	545
Cox's Bazar	831	1258	1997	1075	3482	1724	1962	1127	1638	527	694
C.H.T (South)	294	361	590	733	557	520	541	424	503	285	249
C.H.T (North)	399	303	862	1174	1270	1290	1232	1011	752	174	109
Pulp-wood											
Jhum Control	769	769	452	452	506	749	526	2104	40	-	291
Sylhet	447	522	471	482	482	518	466	447	34	210	196
Mymensingh											
Tangail								10	17	22	19
Dhaka								12	-	-	4
Bangladesh	3211	3736	5844	4817	7831	7036	4727	6438	2545	1390	2107

Table 23e - Hundred Years of Forest Plantations in Bangladesh, 1873-1978

(acre)

Plantation Year/ Division	1974	1975	1976	1977	1978	Bangladesh
Chittagong	833	624	741	1082	951	17332
Cox's Bazar	1103	819	1023	1246	-	24723
C.H.T (South)	162	567	662	539	-	11579
C.H.T (North)	237	607	-	-	-	12571
Pulp-wood	6	286	809	971	-	2072
Jhum Control	223	36	405	817	728	10236
Sylhet	242	368	559	283	-	10992
Mymensingh			40	499	550	1089
Tangail	19	40	104	259	283	779
Dhaka	8	89	324	453	263	1153
Bangladesh	2833	3436	4667	6149	2775	92526

Source: Bangladesh Forest Research Institute, 1991

Table 60 - Annual Area of Plantation under Different Development Plans, 1974-90

(ha)

Year	First Five Year and Two Year Plan Area (ha)				
	Hill Forest	Sal Forest	Coastal Forest	U.S. Forest	Total
1974-75	2644	81	1969	287	4981
1975-76	3092	522	4864	1214	9692
1976-77	3361	1140	6727	1781	13009
1977-78	4339	1023	4943	1651	11956
1978-79	4619	957	6607	1123	13306
1979-80	5986	809	6518	2223	15536
Subtotal	24041	4532	31628	8279	68480
Second five-year plan					
1980-81	7367	688	6242	1983	16280
1981-82	8207	1194	6323	6151	21875
1982-83	7223	1059	8094	3845	20221
1983-84	7437	1038	10118	3743	22336
1984-85	5233	615	9996	6961	22805
Subtotal	35467	4594	6242	22683	103517
Third five-year plan					
1985-86	4106	-	8114	6253	18473
1986-87	3477	-	8094	4644	16215
1987-88	3368	-	8195	4553	16116
1988-89	3699	-	3806	3669	11174
1989-90	6249	-	4330	3274	13853
Sub total	20899	0	32539	22393	75831
Grand Total	80403	9126	104940	53357	247830

- Notes: (a) Hill Forest - Reserve Forests of Chittagong Hill Tracts, Cox's Bazar, Sylhet and Chittagong
 (b) Greater Dhaka, Mymensingh, Tangail, Sal Forest, Rangpur, Dinajpur and Rajshahi
 (c) Greater Barisal, Coastal Forest Patuakhali, Noukhali and new chars of Chittagong
 (d) USF-USF of Chittagong Hill Tracts.

Source: Report submitted to the President by Bangladesh Forests Directorate, 1989

Table 61 - Stock and Volume of the Coastal Afforestation Divisions of Bangladesh, 1985

C/ A Division	Area upto 1985 (ha)	Species	Area (%)	Stock/ ha (nos)	Vol/ ha (m3)	Total vol (m3)
Chittagong	3178	Keora	23	1587	45.8	145633
	9258	Baen	67	1434	29.7	275262
	1381	Others	10	-	-	-
Sub total	13817		100			420895
Noakhali	17444	Keora	67	1855	60.3	1051374
	781	Baen	3	2131	56.6	44241
	7810	Others	30	-	-	-
Sub total	26035		100			1095615
Patuakhali	12471	Keora	100	1478	66.0	823602
	-	Baen	-	-	-	-
	-	Others	-	-	-	-
Sub total	12471		100			823602
Barisal	13573	Keora	78	1694	61.77	838459
	-	Baen	-	-	-	-
	3828	Others	22	-	-	-
Sub Total	17401		100			838459
Grand total	73351		-	1645	43.3	3178571

Source: Drigo, R. *et. al* 1987. The Maturing Mangrove Plantations of Coastal Afforestation Projects. FAO/UNDP.
Forest Directorate, 1986. Statement of Coastal Afforestation Divisions.

Table 62 - Area of Coastal Plantation by Division and by Age Class, 1991

(ha)

Age Class	Divisions with area of plantations				
	Chittagong Coastal Division	Noakhali Coastal Division	Bhola Coastal Division	Patuakhali Coastal Division	Total
20-24	1043	629	1562	-	3234
15-19	1252	795	634	418	3099
10-14	9439	7372	2799	2378	21988
5-9	11300	10136	7599	4963	33998
0-4	9712	19240	11638	10057	50647
Total	32746	381172	24232	17316	112966

Source: Directorate of Forest

Table 63 - Distribution of Plantations by Division by Planting Year and Age Class 1991

(ha)

Forest Division	Age Class													Total
	New Plantations	Immature Plantations					Old Plantations							
	1	2	3	4	5	6	7	8	9	10	11	12	13	
Cox's Bazar	7219	5899	3079	1826	1625	1546	1511	838	504	163	-	-	-	24210
(%)	29.81	24.36	12.71	7.54	6.71	6.39	6.24	3.46	2.08	0.67	-	-	-	100
Chittagong	6773	6921	3146	652	2107	1262	554	1123	226	386	-	-	-	23150
(%)	29	30	14	3	9	5	2	5	1	2	-	-	-	100
Sylhet	4835	1457	806	1120	1223	1916	1109	384	306	108	400	89	50	13803
(%)	35	10	6	8	9	14	8	3	2	1	3	1	0	100
Total	18920	1430	7061	3615	4978	4748	3190	2354	1040	658	402	89	50	61445
(%)	30.71	2.337	11.51	5.89	8.11	7.73	5.19	3.84	1.7	1.8	0.65	0.15	0.08	100

Source: RIMS, Forest Department, Dhaka

Note: Figures may not be exact because of rounding

Code for Age Class: 1 = 0 - 4 5 = 20 - 24 9 = 40 - 44
 2 = 5 - 9 6 = 25 - 29 10 = 45 - 50
 3 = 10 - 14 7 = 30 - 34 11 = 51 - 55
 4 = 15 - 19 8 = 35 - 39 12 = 56 - 60
 13 = 61 - 65

Table 64 - Distribution of Plantations by Principal Species and Age Class for the Three Forest Divisions, 1990

(ha)

Species	Age Class										Total	%
	1	2	3	4	5	6	7	8	9	10		
TK	267	5542	5009	3184	3181	3852	2394	3201	939	701	28270	51.1
AC	1492	192	-	-	-	-	-	-	-	-	1684	3.0
AM	1662	64	-	-	-	-	-	-	-	-	1726	3.1
DJ	933	2236	1473	239	559	552	323	102	28	-	6445	11.6
GM	290	1340	503	244	185	-	102	-	5	102	2771	5.0
GR	1230	1671	531	140	167	-	33	-	73	92	3937	7.1
ME	176	-	-	-	-	-	-	-	-	62	238	0.4
MO	175	1294	826	60	-	-	-	-	-	-	2355	4.2
EU	6720	1153	26	-	-	-	-	-	-	-	7899	14.2
Total	12945	13492	8368	3867	4092	4404	2852	3303	1045	957	55325	100

Source: RIMS, Forest Department, Dhaka

Note: Age class code is with the previous table but no. 10 includes all plantation above 44 years age.

TK = Teak, AC = Acacia, AM = Acacia mangium, DJ = Dhakijam, GM = Gamar, GR = Garjan, ME = Mahogany, MO = Melocanna, EU = Eucalyptus.

Table 65 - Country-Wise Area of Coniferous and Non-Coniferous Forest, 1980

(000 ha)

Regions	Coniferous			Non-Coniferous			Total forest area	% of total land
	Closed	Other wooded land	Total	Closed	Other wooded land	Total		
Cameroon	10	0	10	18095	7700	25795	25805	54.3
Gabon	0	0	0	20690	75	20765	20765	77.6
Swaziland	70	35	105	30	15	45	150	8.6
Zaire	10	0	10	105965	71840	177805	177815	75.8
Others	7686	6080	13766	83308	422104	505412	519178	19.1
AFRICA	7776	6115	13891	228088	501734	729822	743713	24.5
Belize	116	0	116	1269	0	1269	1385	60.3
Canada	204255	145910	350165	59845	26390	86235	436400	43.7
Panama	35	0	35	4169	0	4169	4204	54.5
USA	83537	743350	157872	111719	28485	140204	298076	31.8
Others	24887	0	24887	41792	348	42140	67027	25.9
N.AMERICA	312830	220245	533075	218794	55223	274017	807092	36.6
Bolivia	3	0	3	44010	22750	66760	66763	60.8
Brazil	13520	0	13520	382510	157000	539510	553030	65.0
Colombia	607	0	607	46744	5300	52044	52651	46.2
Venezuela	1120	0	1120	31955	0	31955	33075	36.3
Others	4224	1000	5224	142279	61997	204276	209500	34.1
S.AMERICA	19474	1000	20474	647498	247047	894545	915019	51.4
Bangladesh	0	0	0	2207	0	2207	2207	15.3
Bhutan	626	0	626	1544	40	1584	2210	47.0
Burma	116	0	116	31985	0	31985	32101	47.4
China	40000	5000	45000	85000	40000	125000	170000	17.7
India	4937	0	4937	67584	5393	72977	77914	23.7
Japan	12000	700	12700	11890	690	12580	25280	67.9
Pakistan	1325	0	1325	2460	295	2755	4080	5.1
Others	27548	9986	37534	72600	44304	116904	154438	14.9
ASIA	86552	15686	102238	275270	90722	365992	468230	18.5
Australia	3040	0	3040	714	0	714	3754	44.8
Finland	18294	3020	21314	1591	320	1911	23225	68.9
Sweden	23218	2926	26144	1182	516	1698	27842	61.9
UK	1407	2	1409	620	149	769	2178	8.9
Others	42454	3628	46082	44485	11336	55821	101903	24.9
EUROPE	88413	9576	97989	48592	12321	60913	158902	30.5
Australia	5151	2935	8086	36507	62150	98657	106743	13.9
Brunei	2	0	2	323	0	323	325	56.3
Indonesia	4280	0	4280	118955	3000	121955	126235	66.3
Papua N.G.	652	0	652	33795	3945	37740	38392	83.2
Philippines	850	0	850	11660	0	11660	12510	41.7
Others	1125	1000	2125	10104	2513	12617	14742	40.5
OCEANIA	12060	3935	15995	211344	71608	282952	298947	27.9
USSR	593700	86200	679900	197900	50800	248700	928600	41.5
WORLD	1120805	342757	1463562	1827486	1029455	2856941	4320503	32.3

Source: Forest Resource Assessment, ECE FAO 1985.

Table 66 - Outturn of Timber and Fuelwood from Reserved Forest by Division, 1984-85 to 1990-91

Forest Division	1984-85		1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Timber	Fuelwood	Timber	Fuelwood	Timber	Fuelwood	Timber	Fuelwood	Timber	Fuelwood	Timber	Fuelwood	Timber	Fuelwood
	(Cft)	(Cft)	(Cft)	(Cft)	(Cft)	(Cft)	(Cft)	(Cft)	(Cft)	(Cft)	(Cft)	(Cft)	(Cft)	(Cft)
Dhaka Division	13340	18734	2250	6160	5122	27970	6420	17900	42037	26134	12300	11000	-	-
Sylhet Division	544324	1057444	611200	1426740	580510	1160000	1178600	2087960	898380	1425580	265890	938710	905040	452600
Chittagong Division	474541	4330366	456756	2329047	379559	1680760	390817	1580535	444842	808083	65260	2750350	1516150	875051
Coax's Bazar Division	2791541	7509990	2990209	8393286	2254569	5581158	1591984	4289500	1695393	2741956	162000	211000	120660	87000
CHT North Division	852366	927092	1243362	3989050	546078	489640	569934	198890	650339	357667	461440	-	-	165000
CHT South Division	218472	434545	2766691	377068	460860	528747	244118	238900	164780	140517	17700	28000	8000	-
Sundarban Division	11781120	9012180	10032000	5947000	7460397	6364275	8210067	6858536	7501597	7218390	5827480	6223140	5573320	5238270
Coastal Affen Div. Barisal	1836	46380	15524	99840	12326	6951	19734	88378	32659	136297	10000	106000	6000	166000
Coastal Affen Div. Patuakhali	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coastal Affen Div. Noakhali	2133	583884	4666	73075	6830	8858	13497	150839	538100	270273	-	213000	-	128000
Coastal Affen Div. Chittagong	1220	148555	9000	66700	450	42100	3880	26520	120297	-	-	1029900	-	113000
Forest Extn Div. Rangpur	230	-	167	-	973	-	617	165	2122	-	-	229040	360	1180
Forest Extn Div. Dinajpur	1525	410	1186	325	2940	130	-	-	-	-	-	-	-	-
Forest Extn Div. Comilla	156	-	25	-	-	-	-	-	-	-	-	-	-	-
Forest Extn Div. Mymensingh	7958	6550	30777	21011	34088	117296	43730	32733	34837	119636	2000	4000	2000	1000
Bandarban Division	165469	409560	164105	367824	192171	498839	77643	341000	63080	373007	12000	11000	7000	27000
Pulpwood Div. Bandarban	22465	3000	115718	146998	145050	360210	163984	597510	124637	881390	5800	3800	-	20490
Pulpwood Plant. Kaptai	108100	353700	59900	557800	34800	302850	51060	163850	16925	131000	122810	479000	19930	298600
Unclassified Forest, Rangamati	205163	2247885	121335	1860225	38970	1354889	331829	274506	223391	106553	46740	195270	22000	74940
Jhum Control Division	84816	2911000	692890	826800	13403	111500	147580	1122670	89523	536800	177110	278000	75000	526000
Lama Forest Division	9880	-	353638	6451928	425054	4518850	906990	1782118	171640	4049980	16940	1474110	196580	805003
Khagrachari Division	136165	892200	127282	2010015	136361	204087	131965	707434	146696	1036847	99150	1654521	-	1796000
Faridpur Division	-	-	-	-	-	-	2235	2235	-	-	430	5250	-	-
Total	17422820	30893475	19798681	34950892	12730511	23359110	14086615	20564171	12961275	20360410	7305050	17585791	8452040	10902134

Source: Directorate of Forest.

Note: Extraction estimates are based on the issuance of TP (Transit Pass).

Table 67 - Outturn of Major Forest Products (1978-1991)

Product	Unit	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
Timber	000 Cft.	15422	13724	15306	17336	15453	19569	17423	19799	12764	14072	12961	7305	8452
Firewood	000 Cft.	19523	22879	24007	26282	30448	31903	31368	34951	23662	26111	20360	17586	10902
Golpatta	000 Md.	2243	1872	1821	1838	1716	1698	1646	1660	1896	2130	1822	1787	1948
Bamboo	000 Nos.	60135	78115	74028	77865	92335	92061	76989	75786	92616	105050	117558	87590	109264
Sungrass	000 Bundle	1534	3795	6706	2432	1390	1279	1295	859	1710	1525	NA	NA	NA
Honey	Mds.	4724	5716	8330	6035	6233	6975	6853	6015	6138	6020	2652	3908	5670
Fish*	Mds.	279751	241854	218276	261153	251729	251134	221295	218228	183665	169538	193021	135945	1404
Wax	Mds.	NA	NA	NA	1438	1550	NA	1713	1504	1534	1502	669	975	NA
Cane	000 ft	NA	NA	NA	NA	NA	NA	1688	3938	3936	1300	NA	NA	NA

Source: Statistical Year Book, 1991 and Forest Department.

Note: Fish caught in water areas falling in the forests.

NA = Not available

Table 68 - Outturn of Forest Products Collected from the Sundarbans

Year	Timber (Cft)	Firewood (Cft)	Fish (Mds)	Golpatta (Mds)	Honey (Mds)	Wax (Mds)	Sungrass (Mds)	Hantal (Mds)	Total Revenue (Tk.)
1980-81	9899697	11601368	208928	1815760	8030	2001	366425	166009	146449826
1981-82	9924452	11663734	250162	1832998	6034	1438	238776	124987	175131500
1982-83	6535082	8539112	246296	1665336	6233	1550	120625	153716	140058507
1983-84	9428057	9783552	215461	1697549	6974	1745	190523	183992	160747942
1984-85	11781120	9012180	221295	1645882	6853	1713	249300	238721	219414360
1985-86	10032000	5947000	218178	1660283	6015	1504	296422	144994	269361362
1986-87	7460397	6364275	183665	1896127	6138	1513	314527	163065	230814168
1987-88	8210067	6858536	169638	2130704	6020	1502	360097	210243	282645990
1988-89	7501597	7298390	193021	1822041	2652	669	362500	223400	319972901
1989-90	5827484	6223196	135945	1787956	3908	975	309839	192967	128727604
1990-91	5573320	5238270	131544	1948590	5670	1404	NA	NA	NA

Source: Forest Department

Note: NA = Not available

Table 69 - Outturn of Timber and Fuelwood by Division

Forest Division	1984-85		1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Timber	Fuelwood	Timber	Fuelwood	Timber	Fuelwood	Timber	Fuelwood	Timber	Fuelwood	Timber	Fuelwood	Timber	Fuelwood
	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)	(m ³)
Dhaka Division	378	530	64	174	145	792	182	507	1,190	740	348	311	-	-
Sylhet Division	15,414	29,943	17,307	40,401	16,438	32,848	33,374	59,124	25,439	40,368	7,529	26,581	25,628	12,816
Chittagong Division	13,438	122,622	12,934	65,951	10,748	47,594	11,067	44,756	12,597	22,882	1,848	77,881	42,933	24,779
Cox's Bazar Division	79,048	212,659	84,673	237,671	63,842	158,041	45,080	121,465	48,008	77,644	4,587	5,975	3,417	2,464
CRT North Division	24,136	26,252	35,208	112,957	15,463	13,865	16,139	5,632	18,416	10,128	13,067	-	-	4,672
CRT South Division	6,186	12,305	78,344	10,677	13,050	14,972	6,913	6,765	4,666	3,979	501	793	227	-
Sundarban Division	333,604	255,197	284,075	168,400	211,255	180,216	232,483	194,212	212,422	204,402	165,016	176,220	157,819	148,331
Central Affin Div. Barisal	52	1,313	440	2,827	349	197	559	2,503	925	3,860	283	3,002	170	4,701
Central Affin Div. Patuakhali	-	-	-	-	-	-	-	-	-	-	-	6,031	-	3,625
Central Affin Div. Noakhali	60	16,534	132	2,069	193	251	382	4,271	15,237	7,653	-	29,164	-	3,200
Central Affin Div. Chittagong	35	4,207	255	1,889	13	1,192	110	751	3,406	-	-	6,486	10	33
Forest Exca Div. Rangpur	7	-	5	-	28	-	17	4	60	8	-	-	-	-
Forest Exca Div. Dinajpur	43	12	34	9	83	4	-	-	-	-	-	-	-	-
Forest Exca Div. Comilla	4	-	1	-	-	-	-	-	-	-	-	-	-	-
Forest Exca Div. Mymensingh	225	185	872	595	965	3,321	1,238	927	986	3,388	340	311	198	765
Bandarban Division	4,686	11,597	4,647	10,416	5,442	14,126	2,199	9,656	1,786	10,562	164	108	0	580
Pulpwood Div. Bandarban	636	85	3,277	4,163	4,107	10,200	4,644	16,920	3,529	24,958	3,478	13,564	564	8,455
Pulpwood Plant. Kapasi	3,061	10,016	1,696	15,795	985	8,576	1,446	4,696	479	3,710	1,324	5,529	623	2,122
Unclassified Forest, Rangamati	5,810	63,653	3,436	52,676	1,104	38,366	9,396	7,773	6,326	3,017	0	49,291	1,614	14,895
Jhum Control Division	2,402	82,430	19,620	23,412	380	3,157	4,179	31,790	2,535	15,200	5,015	7,872	0	3,596
Lama Forest Division	280	0	10,014	182,698	12,036	127,960	25,683	50,464	4,860	114,683	480	41,742	5,567	22,795
Khagrachari Division	3,856	25,264	3,604	56,917	3,861	5,779	3,737	20,032	4,154	29,360	2,808	46,851	0	50,857
Faridpur Division	-	-	-	-	-	-	63	63	-	-	12	149	-	-
Total	493,359	874,806	560,636	989,699	360,488	661,456	398,890	582,312	367,022	567,543	206,856	497,974	238,825	308,714

Table 70 - Population Distribution and Regional Disparities in respect of Forest Resources, 1984

Regions	Population (%)	Natural Forests (%)	Village Forests (%)	Plantation Forests (%)
Region - 1 Rangpur, Dinajpur, Bogra, Rajshahi and Pabna	25	1	24	0
Region - 2 Dhaka, Mymensingh and Tangail	24	7	18	2
Region - 3 Kushtia, Jessore and Faridpur	13	0	15	0
Region - 4 Sylhet and Comilla	14	6	4	10
Region - 5 Khulna	5	42	7	0
Region - 6 Barisal, Patuakhali and Noakhali	12	3	23	14
Region - 7 Chittagong	6	16	9	43
Region - 8 Chittagong Hill Tracts	1	25	0	31
Total	100	100	100	100

Source: Davidson, J, 1984. Research in Forest Management, BFRI. Field Document No. 4, Vol. No.1
FAO/UNDP/ BGD/79/017

Table 71 - Consumption of Bamboos in Different Uses in Asia-Pacific Region

(percentage)

Countries	Construction		Other Rural uses	Packaging	Pulp making	Other uses	Total
	Housing	Others					
Bangladesh	50	10	20	5	10	5	100
Burma	33	29	32	5	-	1	100
India	16	16	30	7	17	14	100
Japan	24	6	18	7	4	41	100
Philippines	80	-	15	2	-	3	100
Thailand	33	20	6	-	8	33	100

Source: Chowdhury, M R, 1984, A study on supply and demand of bamboos and canes in Bangladesh, Field document no.9, UNDP/FAO Project BGD/78/010.

Table 72 - Comparative Statement of Bamboo Areas at 1963 and 1988 in the Sylhet Forest

Forest Reserve/ Acquired Forest	Bamboo Area (ha)			
	1963 ^a	1988 ^b		
		Pure	Mixed	Total
Rajkandi RF	8185.00	2892	1471	4363 (Rajkandi Range)
West Bhanugach RF	2741.76			-NA
Barshijura AF	359.00			-NA
Satgao Dinarpur (East) RF	1159.76			-NA
Taraf Hill RF	4745.30			-NA
Taraf Hill Rashidpur	1475.06			-NA
Satgao Dinarpur (West) RF	1541.02			-NA
Ranghunandan Hill RF	4046.00			-NA
Hararganj RF	4362.45	3724	481	4205(Juri Range)
Prithim Pasha AF	4385.52	1633	408	2041 ^c (Kulaura Range)
Patharia RF	5442.95	3339	0	3339(Juri Range)
Tilagarh RF (North Sylhet)	808.15	-	16	16 ^d
Total	39251.97	11588	2376	13964

Source:

- a. Working Plan for the forest of the Sylhet Division, for the period 1963-64 Vol-I, by M U Choudhury, East Pakistan Govt. Press (1970)
 - b. Inventory of forest resources of southern Sylhet Forest Division by Drigo *et al*, 1988; FAO/UNDP Project BGD/85/085, Field Document No. 3.
 - c. From field visit it has been estimated that there might be about 80% pure (1633 ha), and 20% overlapping (408 ha) areas in Prithimpasha A.F.
 - d. DFO, Sylhet Forest Division
- N.A. Not available for bamboo, whether the land is reforested or encroached is not mentioned.

Table 73 - Decrease of Natural Bamboo Areas in the Reserve Forest of Kassalong and Rankhiang in Chittagong Hill Tracts during 1963 to 1983

Location	Forest Cover Type	Area in 1963		Area in 1983	
		hectare	% of total	hectare	% of total
Kassalong	Timber-types	52689	32.0	46395	28.2
	Timber-bamboo	23506	14.3	14878	9.0
	Bamboo-timber	31972	19.5	23525	14.3
	Bamboo-types	41366	25.1	12653	7.7
	Plantation	5013	3.0	14330	8.7
	Non-forest ^a Non-production and Water Areas	9981	6.1	52667	32.0
Subtotal		164527	100	164448	100.00
Rankhiang	Timber-types	20325	26.3	7116	9.2
	Timber-bamboo	6933	9.0	3228	4.2
	Bamboo-timber	17519	22.7	6194	8.0
	Bamboo-types	27907	36.2	13606 ^b	17.7
	Plantation	2011	2.6	8873	11.5
	Non-forest, Non-production and Water Areas	2409	3.2	38087	49.4
Subtotal		77104	100.0	77104	100.0
Grand Total of CHT		241631		241552	

Note:

- a. Non forest areas included jhum areas, all clearings, and all selectively logged areas.
- b. All muli bamboo.

Source:

Chittagong Hill Tracts Forest Inventory survey 1961-63, Kassalong and Rankhiang Reserved Forests. Vol-I, Forestal, Canada, Project No. F334.

FAO/UNDP Project BGD/79/017, Field Document No. 10 by R. De Milde *et al* (1985).

Table 74 - Comparative Statement of Bamboo Areas Including the Forest Types in Sangoo and Matamuhuri Reserves in 1961 and 1984

Forest Types	1961 Inventory (Area)		1984 Inventory (Area)	
	hectare	% of total	hectare	% of total
High Forest medium - good	7100	10	8700	11.7
High Forest poor	18450	25	-	-
Low immature forest poor	14530	23	23234	31.2
Low forest medium - good	2380	-	-	-
Bamboo	31260	42.0	24606	33.0
Shifting cultivation	30	0.5	17100	23.0
Grass land/settlement / Agricultural land	270	0.4	380	0.5
Water	480	0.6	480	0.6
Total:	74500	100.0	74500	100.0

Source: Forestal Inventory 1961-63, Vol-I, Forestal, Canada, Project No. F334

The Inventory Report of FAO/UNDP Project BGD/79/017, 1985

Choudhury M.R. 1984. A study on supply and demand of bamboos and canes in Bangladesh (draft), FAO/UNDP Project BGD/78/010.

Table 75 - Comparative Statement on the Bamboo Area of Chittagong and Cox's Bazar Forest during 1967 and 1985

Forest	Area (ha)	
	1967	1985
Chittagong	-	52471
Cox's Bazar	58301	34499

Table 76 - Supply of Bamboos from the Chittagong and Cox's Bazar Forests, 1980-81 - 1990-91

Year	Chittagong Nos	Cox's Bazar Nos	Total Nos	Number (million)
1980-81	16442000	15919600	32361600	32.36
1981-82	9833171	15776328	25609499	25.61
1982-83	10496467	15432672	25929139	25.93
1983-84	12012856	8941672	20954528	20.95
1984-85	14224528	12112906	26337434	26.34
1985-86	15608342	10527289	26135631	26.13
1986-87	9512971	16459906	25972877	25.97
1987-88	20333967	12633165	32967132	32.97
1988-89	30098777	14139410	44238187	44.24
1989-90	15133765	12480160	27613925	27.61
1990-91	11849396	5832630	17682026	17.68
Total	164931690	140255738	305187428	305.18

Source: Divisional Forest Officers of relevant Forest Divisions, 1992

Table 77 - Supply of Bamboos from the Forests of Sylhet, 1980-81 to 1990-91

Year	Sylhet Forest Division	SPPM from Leased Forest of Sylhet	Tea Gardens in Sylhet	Total Nos	Number (million)
1980-81	10669950	7453750	385500	18509200	18.51
1981-82	16856417	4400000	3105750	24362167	24.36
1982-83	15979665	7945000	937260	24861925	24.86
1983-84	15004236	9488125	1494252	25986613	25.99
1984-85	13030207	4437825	1894252	19362284	19.37
1985-86	15124025	1724969	3112700	19961694	19.96
1986-87	20495907	4366875	5644382	30507164	30.51
1987-88	23484378	3602200	10093953	37180531	37.18
1988-89	14527765	5886281	4162060	24576106	24.58
1989-90	24876600	4477800	1114095	30468495	30.47
1990-91	16562378	5859619	4756000	27177997	27.18
Total:	186611528	59642444	36700204	282954176	282.95
	246253972		36700204	282954176	Avg (1984-85 to 1990-91) 28.5
	(83.6%)		(16.4%)	(100%)	

Source: Divisional Forest Officer of Sylhet Forest Division, Mr A Baten, Manager, SPPM, Sylhet.

**Table 78 - Supply of Bamboos from the Different Forest Divisions
under the Chittagong Hill Tracts, 1980-81 to 1990-91**

Year	Hill Tract (North)	Hill Tract (South)	Khagrachari	USF (Rangamati)	Kaptai PWP	Bandarban PWP	Bandarban (USF)	KPM (Leased Forest)	Lama	Total (No)
1980-81	22650000	4033156	-	1186900	1336000	-	-	13920000	-	-
1981-82	25477000	4243045	-	182900	1715000	3400	805835	13783125	-	-
1982-83	12302000	7845034	-	945500	1667000	-	2653178	13141875	-	-
1983-84	12778000	9406867	-	3369950	1501000	-	3781184	8708750	-	-
1984-85	24675000	5840830	884500	4519975	2077000	30000	2659163	9908750	-	50595218
1985-86	13288000	7520277	4796902	3145590	2169000	76900	2149115	6246250	-	39392034
1986-87	4178000	9732890	4868802	4762106	3540000	-	3911445	2767500	7562617	41323360
1987-88	15969000	8898080	4846488	5026356	4377204	1036595	4417225	7476875	12326246	64374069
1988-89	13686000	11734383	2447350	15948916	5017220	2427600	4486570	6763750	18587218	68799007
1989-90	1618000	11451550	4519150	7630250	7010024	3212500	5535377	1977500	14351992	57306346
1990-91	2618000	16305376	7131468	9514314	5242622	3908793	5652426	4386250	9645366	64404615
Average (of 1986-87 to 1990-91)										59.24 m

Source: DFOs of the relevant Forest Divisions, 1992.

Table 79 - Different Types of Fibrous Raw Materials Used in KPM during 1986-87 to 1990-91

Year	Muli Bamboo (ADT)			Baria (ADT)	Wood (ADT)	Total (ADT)
	LF	PS	Total			
1986-87	4428	29443	33871	20735	13248	67854
1987-88	11963	24883	36846	14882	13814	65542
1988-89	10827	22969	33796	9379	29046	22221
1989-90	3164	30521	33685	12030	36462	87177
1990-91	7018	38651	45669	640	21379	67688
Total	37400	146467	183867	57666	113949	310482
	(20.3%)	(79.7%)		(16.0%)	(32.0%)	
Ratio			50	50		100

Source: Hossain, A. and Sharwardy, M (1990).

Note: LS = from leased forest, PS = Private source

Table 80 - BCIC Bamboo Usage 1980-81 - 1990-91

Year	KPM ^a			SPPM ^b			Total of Two Mills		
	L.F.	P.S.	Total	L.F.	P.S.	Total	L.F.	P.S.	G. Total
1980-81	22272	15934	38206	11926	16485	28411	34198	32419	66617
1981-82	22053	14728	36781	7040	15472	22512	29093	30200	59293
1982-83	21027	21506	42533	12712	14318	27030	33739	35824	69563
1983-84	13934	16940	30874	15181	15120	30301	29115	32060	61175
1984-85	15854	12759	28613	7101	14349	21449	22955	27108	50062
1985-86	9994	27465	37459	2760	22358	25118	12754	49823	62577
1986-87	4428	50178	54606	6987	26051	33038	11415	76229	87644
1987-88	11963	39765	51728	5714	23182	28896	17727	62947	80674
1988-89	10822	32353	43175	9418	16913	26331	20240	49266	69506
1989-90	3164	42683	45847	7164	22677	29842	10328	65228	75557
1990-91	7018	39291	46309	9375	17774	27149	14605	64114	78719
Total:	142529	313602	456131	95378	204699	300077	236169	525218	761387
Avg									
ADT/Year	12957	28509	41467	8675	18609	27284	21632	47118	68751
Percent	(31.2%)	(68.8%)	(100%)	(31.8%)	(68.2%)	(100%)	(31.5%)	(68.5%)	(100%)
Avg									
Nos/ Yr	8098250	17818313	25916563	5422038	11630662	17052700	13520281	29448956	4296237

Source:

^a Hossain, A. and Sharwardy, M.(1990). A draft plan of 10 years FRM collection for KPM Ltd. (unpublished).

^b Baten, A. Forest Manager, SPPM, 1992

Note: LF = Leased Forest, PS = Private Source

^c 1 ADT = 625 number of bamboo in average

**Table 81 - Projected Decrease of Bamboo Areas in the Natural Forests
Due to Deforestation During 1983-2013**

(ha)

Year	Sylhet	Kassalong	Rankhiang	Snagoo- Matamuhuri	Chittagong	Cox's Bazar
Annual Loss(%)	2.55%	2.53%	2.82%	0.93%	2.27%	2.27%
1983	-	36178	19800	-	-	-
1984	-	35263	19242	24606	-	-
1985	-	34371	18699	24377	-	-
1986	-	33501	18172	24150	-	-
1987	-	32653	17660	23925	-	-
1988	13933	31827	17162	23702	-	-
1989	13578	31022	16678	23482	-	-
1990	13232	30237	16208	23264	-	-
1991	12895	29472	15751	23048	-	-
1992	12566	28726	15307	22834	-	-
1993	12237	27999	14875	22622	42921	28220
1994	11925	27291	14456	22412	41947	27579
1995	11621	26601	14048	22204	40995	26953
1996	11325	25928	13652	21998	40064	26341
1997	11036	25272	13267	21793	39155	25743
1998	10755	24633	12893	21590	38266	25158
1999	10481	24010	12529	21389	37397	24585
2000	10214	23403	12176	21190	36548	24027
2001	9954	22811	11833	20993	35718	23481
2002	9700	22234	11499	20798	34728	22948
2003	9453	21671	11175	20605	33939	22427
2004	9212	21123	10860	20413	33168	21918
2005	8977	20589	10554	20223	32415	21420
2006	8748	20068	10256	20035	31679	20934
2007	8525	19560	9967	19849	30960	20459
2008	8308	19065	9686	19664	30257	19994
2009	8096	18583	9413	19481	29570	19540
2010	7890	18113	9148	19300	28899	19096
2011	7689	17655	8890	19121	28243	18662
2012	7493	17208	8639	18943	27602	18238
2013	7302	16773	8395	18767	26975	17824

Source: Forestry Master Plan, Bamboo Report, 1992

5. VILLAGE FOREST RESOURCES

Table 82 - Stock Volume and Stand Table of Village Groves in Bangladesh by Region, 1981

('000)

Species	Region I			Region II			Region III		
	Sawlog (m ³)	Firewood (m ³)	Stem (no.)	Sawlog (m ³)	Firewood (m ³)	Stem (no.)	Sawlog (m ³)	Firewood (m ³)	Stem (no.)
M. indica	1060	4897	2833	1282	5724	6815	1814	7512	10053
A. integ.	375	1254	2122	401	1254	2097	471	1580	3750
S. saman	52	107	109	886	1402	2002	416	683	1098
S. malbari.	314	514	714	264	538	913	257	482	801
Ficus spp.	-	848	302	-	613	410	-	739	443
E. indica	-	823	42	-	802	1175	-	1058	1840
Albizzia spp.	111	382	741	325	634	1490	460	834	2095
Eugenia spp.	63	189	403	122	326	660	180	477	1074
Odina woodier	43	194	470	59	248	715	76	301	933
Diospyros spp.	21	102	140	89	286	783	60	260	497
T. indica	-	96	198	-	384	339	-	256	323
T. nudiflora	64	194	445	65	184	415	84	262	634
A. rohituka	38	130	339	17	46	144	94	266	730
Other	194	1655	2981	329	2777	5417	386	3556	6935
Total:	2411	10700	13018	3839	15318	23374	4295	18247	31206

Note:

Volume 20 cm. + DBHOB

Region I: Dinajpur, Rangpur, Bogra, Rajshahi and Pabna

Region II: Jessore, Kushtia, Faridpur, Khulna, Barisal and Patuakhali

Region III: Mymensingh, Tangail, Sylhet, Comilla, Noakhali, Dhaka and Chittagong

Source: Hammermaster, E.T.1981, Village Forest Inventory Field Document 5, UNDP/FAO, Proj. BGD/78/020.

Table 83 - Stock Volume and Stand Table of Village Groves in Bangladesh Country Wide, 1981

Species	Stems in '000		Sawlog Volume 000 m ³	Firewood Volume 000 m ³	Total Volume 000 m ³	Total per Capita m ³
	Dbhob 0-20m	Dbhob 20m +				
Mangifera indica	71080	21036	4145	18107	22259	0.30
Artocarpus integrifolia	21091	7991	1250	4097	5348	0.07
Samanea saman	5488	3181	1342	2170	3511	0.05
Samalia malabarica	5021	2410	836	1536	2371	0.03
Ficus spp.	9477	1150	-	72164	2164	0.03
Erythrina indica	18139	3040	-	1869	1869	0.02
Albizia spp.	8302	4313	969	1864	2814	0.04
Eugenia spp.	9835	2135	365	993	1357	0.02
Odina woodier	34407	2025	178	744	921	0.01
Diospyros spp.	24044	1411	169	745	913	0.01
Tamarindus indica	4102	863	-	876	876	0.01
Trewia nudiflora	7382	1494	212	641	853	0.01
Amoora rohituka	17249	1210	149	444	596	0.01
Others	129116	15209	909	7954	8862	0.12
Total	364733	67468	10524	114204	54714	0.73

Note: Figures may not add exactly due to rounding in processing

Source: Hammermaster, E.T. 1981. Village Forest Inventory Field Document 5, UNDP/FAO, Proj. BGD/78/020

Table 84 - Palm Tree Resources in Village Groves of Bangladesh, 1981

Condition of trees	Species					
	Cocos nucifera	Phoenix dactylifera	Areca catechu	Borassus flabellifer	Others	Total
Mature (million)	13.37	21.54	60.80	4.34	0.62	101.68
Immature (million)	10.10	45.19	57.21	10.64	1.32	124.52
Mature (per capita)	0.18	0.29	0.81	0.06	0.01	1.35
Immature (per capita)	0.14	0.61	0.77	0.14	0.02	1.68

Source: Hammermaster, E.T. 1981. Village Forest Inventory Field Document 5, UNDP/FAO, Proj. BGD/78/020

Table 85 - Crown Cover of Village Homesteads, 1973

Homestead class	Estimated Total area ('000 ha)	Crown covered area ('000 ha)	Covered area as % of total area
HOMESTEADS			
With very light tree crown cover	19	1	5
With light tree crown cover	152	23	15
With medium tree crown cover	362	91	25
with dense tree crown cover	431	151	35
Total:	964	266	28

Source: A study on supply and demand of bamboos and canes in Bangladesh, 1984, M.R. Chowdhury. Field Document No. 9. UNDP/FAO Project BGD/78/010.

Table 86 - Comparative Assessment of Bamboo Resources in Rural Bangladesh in 1981 and 1991

Region (Strata)	Mature culm				Immature culm			
	1981 ^a		1991 ^b		1981 ^a		1991 ^b	
	Million No.	No/capita	Million No.	No/capita	Million No.	No/capita	Million No.	No/capita
NW(S-I)	63.74	3.3	152.73	6.3	171.79	9.0	249.49	10.3
NC(S-II)	39.46	2.4	61.05	3.5	117.01	7.2	115.25	6.6
W(S-III)	35.20	2.8	93.20	7.3	113.72	9.0	80.05	6.3
S(S-IV)	9.61	1.4	37.17	3.5	34.13	5.0	59.22	5.6
SE(S-V)	17.81	1.5	32.03	2.3	45.20	3.9	30.89	2.2
NE(S-VI)	24.04	2.9	67.60	5.8	76.50	9.2	76.24	6.5
All Strata	189.84	2.5	443.78	4.3	558.14	7.5	611.15	7.0

Note:

- No/ Capita = Number per capita, based on 1980 and 1991 population
- = Hammermaster (1981)
 - = Village inventory survey by the FMPP (ADB TA 1355-BAN), 1992.

Table 87 - Bamboo Resources in Rural Bangladesh, 1991

Strata	Population	Per capita	Mature culms	Per capita	Immature culms
S-I	24128422	6.33	152732911	10.34	249487883
S-II	17541785	3.48	61045412	6.57	115249527
S-III	12767180	7.3	93200414	6.27	80050219
S-IV	10500589	3.54	37172085	5.64	59223322
S-V	14171283	2.26	32027100	2.18	30893397
S-VI	11675636	5.79	67601932	6.53	76241903
All Strata	90740612	4.28	443779854	7.00	611146252

Source: Village Inventory Survey, FMPP, 1992

Table 88 - Per capita Bamboo Resource by Land Ownership Class in Different Regions
Bangladesh, 1991

(number)

Regions	Landownership per household (Ha)									
	<0.20		>0.20-<1.01		>1.01-<3.03		>3.03		Weighted avg	
	MC	IC	MC	IC	MC	IC	MC	IC	MC	IC
North West(S-I)	3.6	6.9	7.8	13.4	11.0	17.8	18.4	24.2	6.3	10.3
North Central (S-II)	1.7	3.8	5.4	9.6	6.6	12.2	10.1	14.3	3.5	6.6
West (S-III)	2.5	6.3	3.5	9.2	6.1	13.6	10.9	22.2	7.3	6.3
South (S-IV)	4.0	5.9	3.8	6.6	3.2	5.8	4.6	6.7	3.5	5.6
South East (S-V)	1.4	1.5	3.3	3.0	4.7	4.1	6.4	5.4	2.3	2.2
North East (S-VI)	4.1	4.3	6.4	7.1	11.2	13.1	8.9	12.7	5.8	6.5
Rural all	2.7	4.8	5.3	8.6	7.6	12.0	11.0	15.6	4.3	7.0

Note: MC = Mature culm, IC = Immature culm

Source: Village inventory survey by the Forestry Master Plan Project (ADB TA 1355 BAN), 1992

Table 89 - Projection of Demand for Bamboo and by Region upto 2013

(Million Culms)

1993								
Consuming Sectors	North West	North Central	West	South	South East	North East	CHT	All Total
Domestic ^a	151.89	109.94	80.35	66.05	89.01	73.49	5.31	576.04
Urban Housing	4.00	11.04	3.53	1.97	6.64	2.65	0.29	30.12
Industrial ^b	12.40	10.05	9.08	3.14	7.63	29.25	28.58	100.13
Total:	168.29	131.03	92.96	71.16	103.28	105.39	34.18	709.29
1998								
Domestic ^a	164.05	118.47	86.70	71.37	96.05	79.33	5.68	621.65
Urban Housing	4.56	12.59	4.02	2.25	7.57	3.02	0.33	34.34
Industrial ^b	13.02	10.55	9.53	3.30	8.01	30.71	30.01	105.14
Total:	181.63	141.61	100.26	76.91	111.63	113.06	36.02	761.12
2003								
Domestic ^a	176.02	126.90	93.00	76.58	102.96	85.12	6.09	666.67
Urban Housing	5.11	14.10	4.51	2.52	8.48	3.38	0.37	38.46
Industrial ^b	13.67	11.08	10.01	3.46	8.41	32.25	31.51	110.39
Total:	194.80	152.08	107.52	82.56	119.85	120.75	37.97	815.52
2008								
Domestic ^a	188.16	135.45	99.37	81.86	109.95	90.97	6.51	712.27
Urban Housing	5.67	15.65	5.00	2.79	9.41	3.76	0.41	42.69
Industrial ^b	14.01	11.36	10.26	3.55	8.62	33.05	32.30	113.15
Total:	207.84	162.45	114.63	88.20	127.98	127.78	39.22	868.11
2013								
Domestic ^a	200.34	144.01	105.77	87.15	116.97	96.84	6.93	730.08
Urban Housing	6.24	17.21	5.50	3.07	10.35	4.13	0.45	46.96
Industrial ^b	15.41	12.49	11.29	3.90	9.48	36.36	35.53	124.47
Total:	221.99	173.71	122.56	94.12	136.81	137.33	42.91	901.50

Note: a = Rural house construction, agricultural implements, community building.
 b = Pulp and Paper, cottage, transport (boat, rickshaw hood and bullock cart).

Source: Forestry Master Plan Study, 1992

**Table 90 - Stock Volume and Stand Table of Trees 20+ cm dia in Village Groves
Bangladesh, 1991**

Species	Stem (000)	Total Volume (000 cm)	Per Capita (m ³)	Sawlog Volume (000 cm)	Fire Wood Volume (000 cm)
Mango	52397	18623	0.205	5620	13003
Jack	25513	5240	0.058	2155	3085
Rain	11164	5251	0.058	1473	3778
Simul	5781	2685	0.029	868	1817
Bat	745	783	0.009	183	600
Madar	6208	1553	0.017	178	1375
Koroi	10101	3365	0.036	940	2426
Chakua	22	6	0.000	3	3
Jam	5152	1438	0.015	355	1083
Jiul	5003	725	0.008	103	622
Gab	5887	954	0.010	170	784
Tetul	2529	923	0.010	241	683
Bel	1835	396	0.004	80	315
Pitali	2729	671	0.007	145	526
Chaatim	820	223	0.002	65	159
Kadam	3000	679	0.007	174	505
Debdaru	945	152	0.001	34	118
Jarul	2275	414	0.004	76	337
Sal	283	44	0.000	8	36
Segun	435	83	0.001	18	65
Garjan	94	22	0.000	8	14
Palash	16	5	0.000	0	5
Lichu	836	243	0.003	71	171
Others	54139	10727	0.118	1994	8733
Total	197910	55205	0.601	14961	40244

Source: Village Inventory Survey, Forestry Master Plan Study, 1992

Note:

- (1) Volumes in thousand cubic meter
- (2) Number of stems in thousand
- (3) Volume per capita based on 1991 population
- (4) Figures may not add due to rounding
- (5) Species in local name

Table 91 - Stock of Trees upto 20 cm dia and 1.5 Meter (BH) by Land Class and Species, 1991

Species	Land class, ha				All
	Less than .5	.5 to <2.5	2.5 to <7.5	7.5 and above	
Mango	14403.07	9782.68	5545.53	1155.00	30887.09
Jack	5360.58	4201.94	2570.62	640.63	12774.59
Rain	2182.51	1773.37	1292.19	274.38	5523.27
Simul	1082.56	651.56	428.17	84.58	2247.27
Bat	99.15	55.04	34.40	10.93	200.32
Madar	2406.72	1728.45	1047.75	246.46	5430.19
Koroi	1731.69	1299.06	1003.24	210.44	4244.84
Chakua	1.62	1.21	2.83	-	5.67
Jam	1228.65	1033.18	676.65	152.17	3091.06
Jiul	1679.48	1460.14	669.36	197.49	4007.28
Gab	3588.83	2771.75	1573.05	471.87	8406.31
Tetul	507.89	393.36	203.97	46.54	1152.17
Bel	410.76	322.14	170.78	38.85	942.53
Pitali	614.33	418.85	254.15	64.35	1352.08
Chaatim	127.07	120.19	75.27	21.04	343.99
Kadam	835.29	574.26	377.98	67.18	1855.12
Debdaru	441.92	403.08	264.27	106.43	1216.11
Jarulul	483.61	320.05	254.96	103.60	1163.09
Sal	12.14	88.22	25.50	10.12	136.38
Segun	62.73	81.34	53.01	80.53	278.03
Garjan	19.02	14.97	3.64	1.62	39.66
Palash	5.26	12.54	0.81	0.40	19.02
Lichu	102.39	116.96	80.53	19.02	322.54
Others	19530.55	13867.66	8775.39	2380.00	44554.43
Total	56917.85	41492.92	25384.06	6383.25	130192.23

Source: Village Inventory Survey, Forestry Master Plan Study, 1992

- Note: (1) Volumes in thousand cubic meter
 (2) Number of stems in thousand
 (3) Volume per capita based on 1991 population
 (4) Figures may not add due to rounding
 (5) Species in local name

Table 92 - Stock Volume and Stand Table of Village Groves of Bangladesh, 1991 (FMP)

(000 m³)

Region	Per capita	Total volume	Sawlog	Fire wood
North west	0.50	12064.21	3498.62	8565.59
North Centre	0.59	10349.65	3001.39	7348.25
West	0.58	7404.96	2221.48	5183.47
South	0.91	9555.53	2388.88	7166.65
South east	0.73	10345.03	2586.25	7758.77
North east	0.41	4787.01	1196.75	3590.25
All Strata	0.60	54470.93	15251.86	39219.07

Source: Village Inventory Survey, FMPP 1992

Table 93 - Per capita Standing Volume in Rural Bangladesh in Different Studies

(m³)

Region	1980 Douglas MS	1981 Hammermaster	1991 Forestry Master Plan
North west	0.50	0.68	0.50
North Centre	0.48	0.53	0.59
West	0.81	0.79	0.58
South	0.90	1.33	0.91
South east	0.24	0.99	0.73
North east	0.65	0.42	0.41
All Strata Average	0.65	0.73	0.60

Source: Village Inventory Results of 1981, 1992 and consumption and supply of Wood and Bamboo in Bangladesh, Douglas, 1981.

Table 94 - Comparative Statement of Stock of Trees in Different Studies

(000)

Region	Hammermaster, 1981		Forestry Master Plan, 1991	
	Nos. of stem above 8" diameter	Nos. of stem 0-8" diameter	Nos. of stem above 8" diameter	Nos. of stem 0-8" diameter
North west	13018	60311	41983	66129
North Centre	10522	56157	53180	49400
West	11413	70151	25044	37380
South	11961	56378	31167	63251
South east	15190	91118	45265	79233
North east	5094	31075	19424	28972
Total	67476	364733	197921	321714

Source: Village Inventory Survey, 1981 and 1992

Note: a. Figures of stems in thousand
b. Figures may not add due to rounding

Table 95 - Palm Trees Resources in Bangladesh, 1992

Species with local name	Maturity Class	North east	North Centre	West	South	South east	North east	Total
Borassus flabellifera (Tal)	Mature (nos in '000)	4798.98	489.83	2847.46	6638.17	3366.11	366.18	17374.42
	Immature (nos in '000)	2523.60	222.33	1911.64	4265.57	1971.29	285.55	10472.33
	Total	7322.58	712.16	4759.10	10903.74	5337.40	651.73	27846.75
	Total/ percapita	0.199	0.028	0.223	0.632	0.238	0.031	0.191
	Mature no/ percapita	0.105	0.013	0.150	0.406	0.139	0.024	0.115
Phoenix Dactylifera (date palm)/ Khejor	Mature (nos in '000)	9217.06	3420.65	14477.98	13913.28	9395.56	186.81	49477.77
	Immature (nos '000)	2147.43	596.42	2413.00	2992.67	1842.27	105.08	9713.98
	Total	11364.49	4017.07	16890.98	16905.95	11237.83	291.89	59191.75
	Total/ percapita	0.471	0.228	1.323	1.610	0.793	0.025	0.652
	Mature no/ percapita	0.382	0.195	1.134	1.325	0.663	0.016	0.545
Coconucifera (Coconut)	Mature (nos '000)	4595.89	3081.41	7408.20	7849.95	9993.09	1555.41	34475.17
	Immature (nos '000)	2190.76	2098.27	1948.43	3366.58	4060.38	1170.76	14701.16
	Total	6766.65	5179.68	9356.63	11216.54	14053.48	2726.16	51902.49
	Total/ percapita	0.281	0.295	0.733	1.068	0.992	0.233	0.573
	Mature no/ percapita	0.190	0.176	0.580	0.748	0.705	0.133	0.380
Area Catechu Mature (Betelnut)	Mature (nos '000)	24852.27	35241.45	15575.96	77704.36	56288.34	33310.60	233861.89
	Immature (nos '000)	9699.63	20067.80	4532.35	37497.60	22390.63	10309.59	99137.11
	Total	34551.90	55309.25	20108.31	115201.96	78678.96	43620.18	332999.00
	Total/ percapita	1.432	3.152	1.575	10.971	5.535	3.737	3.668
	Mature no/ percapita	1.030	2.009	1.220	7.400	3.972	2.853	2.576
Immature no/ percapita	0.402	1.144	0.355	3.571	1.580	0.883	1.092	

Source: Village Inventory Survey, Forestry Master Plan Study, 1992

Table 96 - Stand Volume of Cane Resources in Bangladesh, 1992

(1000 clumps)

Types	North west	North Centre	West	South	South east	North east	Total
Golla	24.12	-	-	-	141.71	-	165.83
Jali	506.69	157.87	127.67	420.02	708.56	467.02	2387.83
Murta	-	35.08	-	-	708.56	1401.07	2144.71
Total	530.81	192.95	127.67	420.02	1558.83	1868.09	4598.37

Source: Village Inventory Survey, Forestry Master Plan Study, 1992.

Table 97 - Participatory/ Agroforestry Projects (Pilot) in Bangladesh, 1992:
Farm size and Beneficiaries

Pilot project	Farm size (ha)	No. of beneficiaries	Annual net income/ farmer	Establishment cost/ unit	Land tenure
Agro-forestry Farms, Dinaipur	0.5-1	277	\$ 165 (crops) \$ 665 (50% of tree harvest after 7 years)	\$ 257	1-year renewable leases
Betagi, Chittagong	1.6	83	\$ 240	\$ 182	25 year leases, Semi-permanent title 5 year leases
Pomra, Chittagong	1.6	143	\$ 212	\$ 250	5 year leases
Proshika, Serajgong	60 miles of roadsides	300	\$ 300 per mile	\$ 62 per mile	5 year lease

Source: Upazilla Banayan Prokalpa

Table 98 - Participatory/ Agroforestry Projects in Bangladesh, 1992:
Tree Tenure, Species and Agricrops

Pilot Project	Tree tenure	Species	
		Tree	Agriculture
Agroforestry Farm, Dinaipur	100% intermediate products 50% final harvest	Laucaena Eucalyptus A. auriculiformis D. sissoo G. arborea P. sylvestris	Paddy, Wheat, Pigeon Pea, Pulses and Pineapple
Betagi, Chittagong	100% of all products	Lemon, Papaya, Albizzia, Banana, Jackfruit, Mango and Coconut	Ginger, Sungrass, Turmeric, Sweet potato
Pomra, Chittagong	100% of fuel & fodder need permission from FD to harvest timber	Albizzia, Jackfruit and Lemon	Setellea, Radish and Turmeric
Proshika, Serajgong	100% of fuelwood & fodder trees belongs to Local Govt. Council	Acacia nilotica, Mahogany and Mulberry	Turmeric, Pigeon pea, Pumpkin and Sungrass

- Sources: 1. Lai, C. and Asmeen, K. 1989. Participatory forestry in Bangladesh: First step towards sustainability. Winrock International, Dhaka.
2. Rahman, A. 1987. Land utilization, employment and input-output pattern under Betagi Community Forestry Model. Bulletin 2, Forest Economics Series, BFRU, Chittagong.
3. Rahman, A. 1987. Socio economic impact of Pomra Community Forestry Project, Bano Biggyan Patrika, 16(112).

Table 99 - Programme under Upazila Afforestation and Nursery Development Project, 1987-88 to 1993-94

Components	Total Area	Work Done upto 1991-92	To be done during 1992-93 - 1993-94
A. <u>Plantation</u>			
a) Enrichment plantation (depleted forest)	16000 ha	8413.71	7586.29
b) Agroforestry (encroached Sal Forest)	3000 ha	1500.63	1499.37
c) Strip plantation (Rail, road and river embankment)	18000 km	5141.55 km	12858.45
d) Plantation on Fallowland	1000 ha	149.74	850.26
B. <u>Maintenance</u>			
a) Enrichment plantation	28208.72 ha	11000.20	17208.52
b) Agroforestry	2250 ha	1054.65	1195.35
c) Strip plantation	14755 km	5020.40	9734.60
C. <u>Nursery Development</u>			
a) Upazila Nursery	345	342	3
b) Upgrading Forest Extension Nursery & Training Centre (FENTC)	45	25	20
c) Private Nursery	100	-	100
d) Maintenance of FENTC	177	97	80
e) Maintenance of UZ Nursery	338	38	300

Source: Upazila Afforestation and Nursery Development Project, Department of Forest, 1992

Table 100 - Year and Divisionwise Statement of Enrichment Plantation, 1987-88 to 1993-94 (hectare)

Forest Division	Total	Year						
		1887-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94
Dhaka	1351.72	20.24	40.48	121.50	131.50	238.00	400.00	400.00
Mymensingh	4924.47	72.86	202.40	526.00	784.21	939.00	1200.00	1200.00
Tangail	6084.50	8.10	60.71	769.20	1211.00	1049.20	1500.00	1486.29
Comilla	47.71	9.71	-	-	38.00	-	-	-
Dinajpur	1666.51	7.28	135.60	202.40	278.90	242.33	400.00	400.00
Rangpur	1109.39	14.56	91.00	202.40	299.00	202.43	150.00	150.00
Rajshahi	815.70	14.56	20.20	202.00	117.00	161.94	150.00	150.00
Total:	16000.00	147.31	550.39	2023.50	2859.61	2832.90	3800.00	3786.29

Source: Upazila Afforestation and Nursery Development Project, Department of Forest, 1992

Table 101 - Year and Divisionwise Statement of Agroforestry Plantation upto 1991-92 and Projection upto 1993-94

(hectare)

Forest Division	Total	Year						
		1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94
Dhaka	364	-	-	148	64.70	30.36	60.50	60.00
Mymensingh	865	-	-	40	41.29	80.90	351.45	351.32
Tangail	949	-	-	147	202.42	184.21	208.05	208.05
Comilla	53	-	-	40	12.10	-	-	-
Dinajpur	419	35	20	82	60.72	40.40	90.00	90.00
Rangpur	191	17.60	12	40	20.24	60.72	20.00	20.00
Raishahi	159	17.60	8	40	4.04	48.58	20.00	20.00
Total:	3000.00	70.42	40.47	539.06	405.51	445.17	750.00	749.37

Source: Upazila Afforestation and Nursery Development Project, Department of Forest, 1992

Table 102 - Yearwise Programme for Strip Plantation upto 1993-94

(km)

Category of Strip	Year							Total
	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	
Road & Highways	302.49	-	461.78	707.96	99.76	1800.00	1549	4921.30
Railways	-	-	152.05	305.71	28.96	600.00	652	1738.99
Embankment	-	-	152.86	321.80	57.92	600.00	500.60	1633.18
Feeder Road	-	-	775.54	1523.72	251.00	3000.00	4156.27	9706.53
Total:	302.49	-	1542.23	2859.19	437.64	6000.00	6858.45	18000.00

Source: Upazila Afforestation and Nursery Development Project, Department of Forest, 1992

Table 103 - Usufruct Rights on Public Forest Land in Bangladesh, 1989

Forest Type	Area ('000 ha)	Location	Percent tree cover	Usufruct Rights
Reserved Forests	1416	Hill Tracts, Khulna, Sylhet	54%	Customary rights of fuel, fodder and fodder collection
Acquired and Vested Forests	88	Mymensingh, Dhaka	40%	Similar to reserve forests
Protected Forests	55	Chittagong, Sylhet	40%	Closed for 30 years all customary rights suspended
Khasland	204	All over the country	<10%	Leased out by district administration through permits for forest product collection
Unclassed State Forest	373	Hill Tracts, Sylhet	<10%	Tribal areas: Customary rights of shifting cultivation recognized and collection of forest products allowed

Source: Lal, C. & Asmeen, K. 1989. Participatory forestry in Bangladesh: First step towards sustainability. Winrock International, Dhaka.

Table 104 - Area of Land Potentiality Suitable for Planting Selected Timber, Fuelwood and Horticultural Species in Selected Administrative Districts of Bangladesh

(000 ha)

Species/ capability class	Tkakurgaon	Rangpur	Pabna	Joydebpur	Sylhet	Comilla	Rangamati	Cox's Bazar	Khulna
TIMBER:									
Jarul HS	71.4	57.9	32.1	3.4	45.3	10.8	9.5	27.9	12.4
S	39.4	15.6	10.5	34.3	2.9	6.5	0.0	22.5	3.0
Garjan HS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	39.4	34.3	0.0	13.4	1.5	3.3	5.3	22.2	6.4
Koroi HS	27.6	40.0	0.1	13.4	1.3	0.2	5.3	2.5	6.4
S	70.8	24.6	32.0	28.8	45.8	6.3	4.2	50.5	6.0
Teak HS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	40.7	44.5	0.1	13.4	1.3	2.1	5.3	13.2	6.4
Pine HS	56.3	44.5	0.1	13.4	1.5	3.5	5.3	22.2	6.4
S	48.7	20.2	28.7	74.6	4.9	1.5	9.3	30.1	6.0
FUELWOOD									
Eucalyptus HS	56.3	44.5	0.1	13.4	1.5	3.5	5.3	22.2	6.4
S	48.7	20.2	32.0	74.8	50.7	3.6	13.7	53.5	6.0
Aust.aca HS	56.3	44.5	0.1	13.4	1.5	3.5	5.3	22.2	6.4
S	50.7	34.6	28.7	74.6	4.9	9.9	11.6	30.1	6.0
Jau HS	105.0	74.2	29.4	88.2	6.4	5.0	14.8	52.2	12.4
S	0.0	42.9	0.0	0.0	7.9	0.0	2.6	0.7	0.0
Pitali HS	72.2	61.6	33.2	4.3	0.0	8.6	2.1	0.3	15.3
S	31.4	77.9	13.4	23.9	48.1	73.5	7.4	39.9	8.4
Goranim HS	10.6	29.9	0.0	0.0	1.3	0.0	5	13.2	6.4
S	58.8	13.7	28.8	16.3	1.7	4.4	0.0	28.9	6.6
HORTICULTURE									
Am HS	16.9	10.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0
S	77.1	60.1	36.1	8.4	44.1	10.6	6.6	11.2	15.3
Narkel HS	18.9	22.4	0.1	0.0	0.0	8.6	0.0	0.0	0.0
S	61.9	47.3	37.9	14.3	44.7	2.1	6.3	11.2	15.3
Jam HS	69.4	45.6	28.8	3.2	0.0	0.2	2.1	0.3	12.4
S	24.6	27.9	9.1	13.9	46.0	10.6	7.4	27.8	2.9
Kanthal HS	39.4	34.3	0.0	0.0	1.3	0.2	3.2	11.4	0.0
S	0.2	16.6	0.0	58.2	1.7	4.2	1.2	28.7	0.0
Bamboo HS	104.8	48.1	28.8	3.2	1.3	0.2	28.0	2.5	12.4
S	2.2	13.6	4.8	78.8	46.7	13.8	135.7	54.1	0.0

Source: Richards, B.N. and Hassan, M.M. 1989. Dendro-ecological Regions of Bangladesh, BFRl FO:DP/BGD/83/010. Working Paper No.7

Note: HS = Highly Suitable; S = Suitable

6. FOREST INDUSTRIES

Table 105 - Number of Wood-Based Industries in Bangladesh with Annual Production Capacities, 1989

Woodbased Industry	Number	Production Capacity	
		Units	(000)
Saw mill	4492	m ³	5868.00
Wood seasoning plant	6	m ³	28.32
Wood treating plant	6	m ³	62.30
Hardboard mill	1	m ²	3121.44
Particleboard plant	3	m ²	1542.14
Plywood factory	8	m ²	2787.00
Plywood	8	m ²	2787.00
Teachest	8	Number	1500.00
Pulp mill	1	tonne	30.48
Newsprint mill	1	tonne	50.80
Paper mill	3	tonne	55.00
Match factory	18	gross boxes	11300
Pencil factory	2	gross	194000
Rayon mill	1	tonne rayon	2438.00
		tonne dilphane	1016.00
Jute and textile mills' accessories	12	pieces	3100
Furniture factory (mechanical)	1	m ³	1700.00
Door and window making factory (mechanical)	3	m ²	83.61

Source: Annual Progress Report of Forests Directorate, 1989 and BFR I Statistical Report, 1992

Table 106 - Number of Sawmills, Production, Employees and Labour Productivity in Bangladesh, 1988

Item	Unit	Divisions				Total
		Chittagong	Dhaka	Rajshahi	Khulna	
RURAL						
Number of sawmills	No.	409	263	147	203	1022
Annual production	000 m ³	214	128	93	129	564
Number of employees	No.	2581	1622	1007	1332	6542
Labour productivity/ labour day	m ³	0.28	0.26	0.31	0.32	0.29
URBAN						
Number of sawmills	No.	896	1512	385	677	3470
Annual production	000 m ³	593	859	204	503	2159
Number of employees	No.	7762	9985	3041	5589	26377
Labour productivity/ labour day	m ³	0.25	0.29	0.22	0.30	0.27
BANGLADESH						
Number of sawmills	No.	1305	1775	532	880	4492
Annual production	000 m ³	807	989	297	633	2726
Number of employees	No.	10343	11607	4048	6921	32919
Labour productivity/ labour day	m ³	0.27	0.28	0.27	0.31	0.28

Sources: i) Kibria, M G. et al. 1987. Sawmilling Industry in Rural Bangladesh, Forest Research Institute, Chittagong
 ii) Kibria, M G. et al. 1990. Sawmilling Survey in Urban areas of Bangladesh. Bangladesh Forest Research Institute, Chittagong.

Table 107 - Production of Matches by Factories in Bangladesh, 1984

Town/District	Factory	Production ('000 gross boxes)
Dhaka	Dhaka Match Factory	4380
	Ujala Match Factory	2555
	Habib Match Factory	3650
	Shamsher Industries	37
	Prasanna Match Factory	110
	Amin Match Factory	146
	Amin Industries, and	146
	J.J. Match Factory	216
Chittagong	A.K. Khan Match Factory	730
	Ibrahim Match Factory*	365
	Chattal Match Factory	37
	Golden Match Factory	37
	Sattar Match Factory	1825
Khulna	Dada Match Factory	7300
	Bangladesh Match Factory	2190
Chandpur	Standard Match Factory	219
	Union Match Factory	110
Bogra	Habib Match Factory	292
Rajshahi	Aziz Match Factory	730
Barisal	Cooperative Match Factory	365
Total		25443

Notes: * Not in operation. Species used are simul for box and tray and kadam, satim, pitali and gewa for splints.
Source: M/S. A. K. Khan Match Factory, Chittagong

Table 108 - List of the Plywood Factories and Particle Board Mills in Bangladesh, 1990

Name of the factory	Address
1. Satgaon Tea-chest Factory	Srimangal, Sylhet
2. Kabir Timber Industries	Lohagara, Chittagong
3. Rex-Veneer Limited	Betbunia, Chittagong Hill Tracts
4. Sterling Plywood	Shilchari, Chittagong Hill Tracts
5. Timber Palace	Harbang, Chittagong
6. Khawaja Plywood Products	Lohagara, Chittagong
7. Sungu Valley Timber Industry	Dohazari, Chittagong
8. Lamwood Ltd	Kaptai, Chittagong Hill Tracts
9. N J Plywood	Fatikchari, Chittagong
10. Woodland Ltd	Chittagong
11. Star Plywood Complex	Chittagong
12. Shafi Plywood Complex	Lohagara, Satkania, Chittagong
13. Kawsar Plywood	Cox's Bazar, Chittagong
14. Bangladesh Timber and Plywood Industry	Silchari, Chittagong Hill Tracts
15. Seven Seas	Jhillonja, Cox's Bazar, Chittagong
16. A K Khan Plywood	Kalurghat, Chittagong
17. Ruby Plywood	Nasirabad, Chittagong
18. Star Plywood Manufacturing Co. Ltd	Indrapool, Patiya, Chittagong
19. Purbachal Tea-chest Factory	Bhujpur, Fatikchari, Chittagong
20. Momtaj Plywood Complex	Lohagara, Chittagong
21. Particle Board and Veneering Plant, BFIDC	BFIDC, Kalurghat, Chittagong
22. T K Particle Board Mills (Pvt) Ltd	Chandgaon Ind. Area, Chittagong
23. Star Particle Board	Dhaka

Source: Veneer and Composite Wood Products Division, Bangladesh Forest Research Institute, Chittagong, 1992

Table 109 - List of the Wood Seasoning and Treating Plants in Bangladesh, 1990

Name and location of plants	Type of kiln and purpose
1. Bangladesh Forest Research Institute, Chittagong	Sawn timber for all end products; Research and Development
2. Swedish Bangladesh Institute of Technology, Kaptai, Rangamati, Chittagong Hill Tracts	Sawn timber for furniture; Training
3. BFIDC Fidco Complex, Kalurghat Chittagong	Sawn timber for furniture; Commercial
4. BFIDC Cabinet Manufacture Plant, Kalurghat, Chittagong	Sawn timber for doors and windows; Commercial
5. BFIDC Wood Treating Plant, Kalurghat, Chittagong	Wooden pole, anchor log and x-arms; Commercial
6. BFIDC Lumber Processing and Sawmill Project, Kaptai, Chittagong Hill Tracts	Wooden pole, cross arms and sawn timber; Commercial
7. BFIDC Sangu Valley Timber Industries Dohazari, Chittagong	Battens for tea chests; Commercial
8. BFIDC Complex (Former Bunman Builders), BSIC Industrial Estate, Kalurghat, Chittagong	Sawn timber for furniture; Commercial
9. BFIDC Wood Seasoning and CM Plant Mirpur, Dhaka	Sawn timber for furniture; Commercial
10. BFIDC Wood Seasoning and Treating Plant, Mirerdanga, Khulna	Sawn timber and poles; Commercial
11. Eshaque Brothers Industries Ltd., Halishahar, Chittagong	Sawn timber for furniture; Commercial
12. Swedish Furnishers Ltd., BSIC Industrial Estate, Kalurghat, Chittagong	Sawn timber for furniture; Commercial
13. H A Timber Industries Ltd. 10/1 B K Das Road, Farashgong, Dhaka	Sawn timber for furniture, doors and windows; Commercial
14. PWD Wood Workshop Division, Sher-E-Bangla Nagar, Dhaka	Sawn timber for furniture, doors and windows; Commercial
15. Bangladesh Ordnance Factories, Gazipur Cantonment, Gazipur	Sawn timber, Commercial
16. Scotland Wood Working Industries, BSIC Industrial Estate, Kalurghat, Chittagong	Blanks for manufacture of shuttles; Commercial
17. BFIDC Chittagong Board Mills, Kalurghat, Chittagong	Battens for manufacture of flush door; Commercial
18. Samrat Furnishers, Kaliakoir, Chittagong	Blanks for shuttles and sawn timber for furniture; Commercial
19. Unique Furnishers, Bakolia, Chittagong	Sawn timber for furniture and construction Commercial
20. Rafique Saw Industries, Chandgaon, Chittagong	Sawn timber for furniture and construction; Commercial
21. Delta Furnishers Ltd., Savar, Dhaka	Sawn timber for furniture; Commercial
22. Delta Furnishers Ltd., M M Ali Road, Chittagong	Sawn timber for furniture, doors and windows; Commercial
23. Eastern Traders, Kaptai, Ctg. Hill Tracts	Sawn timber; Commercial

Source: Seasoning and Timber Physics Division, Bangladesh Forest Research Institute, Chittagong, 1992.

Table 110 - Production of Selected Wood-Based Industrial Items, 1981-82 to 1989-90

Items	Unit	Year									
		1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
Writing Paper	ADT	11283	9107	10636	12671	15231	12901	1143	10843	12133	11462
Printing Paper	ADT	13910	12166	10795	19240	18623	21139	22572	23292	27826	12599
Packaging & Others	ADT	6956	4860	6302	6813	8181	9186	8375	7663	6689	6129
Newsprint	ADT	39276	26741	28669	45972	48414	46643	49722	43888	50465	49510
Particle Board	ADT	2535	543	2371	2308	1469	2502	2303	1397	NA	NA
Hard Board	'000 m ²	1035	1520	1333	1597	1621	1445	1554	1605	1687	1589
Matches	'000 G.Boxes	11843	12281	12059	13073	13579	14894	13754	14860	13750	NA

Source: Statistical Year Book, 1991, BBS (Paper products reflect the production of public sector mills only)

Table 111 - Production of BFIDC Enterprises in Value 1987-1991

(Tk million)

Sl. No.	Enterprise	Year					
		1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
1.	Karnafully Timber Extraction Unit	68.30	98.46	55.09	92.08	71.88	24.94
2.	Sangoo-Matamuhuri Timber Extraction Unit	11.92	12.55	9.98	20.42	9.57	1.96
3.	Lumber Processing Complex	69.79	68.42	50.14	33.48	73.31	31.18
4.	Cabinet Mfg. Plant, Ctg.	12.50	14.82	12.88	8.50	12.42	8.32
5.	Rubber Estates	45.71	55.58	56.66	63.17	60.14	81.04
6.	FIDCO, Ctg.	14.87	19.02	17.25	17.69	10.15	10.72
7.	Sangoo Valley Timber Industries	21.36	17.84	25.00	29.56	28.85	17.67
8.	Particle Board & Veneer Plant	36.80	57.29	57.74	52.27	52.64	31.58
9.	Chittagong Board Mills	6.51	7.44	8.08	9.15	6.25	8.79
10.	Eastern Wood Works	13.56	13.82	8.44	12.44	10.02	8.72
11.	Cabinet Mfg. Plant, Dhaka	9.66	14.70	8.73	11.67	8.56	11.51
12.	Wood Treating Plant, Dhaka	11.92	12.55	9.98	20.42	9.58	1.96
13.	Cabinet Mfg. Plant, Khulna	2.93	9.68	6.95	5.51	8.59	6.84
	Total	325.83	402.17	326.92	326.36	361.96	245.23

Source: BFIDC, Planning Department

Table 112 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

- 1. Name of Unit : Karnafully Timber Extraction Unit
- 2. Project Area : Kaptai, Chittagong Hill Tracts
- 3. Objective : Mechanical extraction of wood and timber from deep forest and work as supply depot to local markets and industries under BFIDC
- 4. Implementation Period : (a) 1952-53 to 1960-61 (Proposed) (b) 1969-81 (Actual)
- 5. Investment : (a) Total TL. 1461.63 Lac (b) Foreign Exchange Tk. 299.99 Lac (c) Local Tk. 1161.64 Lac
- 6. Financing : USSR Credits, CIDA and ADP
- 7. Capacity : 20,000 Lac cft.

Actual Production and Sales

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Extraction of Timber (cft)	750.77	66291.62	1075.61	97640.97	556.03	55094.70	406.28	42082.31	504.26	71887.34	160.23	24940.60
2. Charcoal (mds)	12.70	2011.94	4.56	818.73	-	-	-	-	-	-	-	-
Total		68303.56		98459.70		55094.70		42080.31		71887.34		24940.60
b. Sales												
1. Timber (cft)	750.77	66291.62	1075.61	97640.97	556.03	55094.70	406.28	42082.31	504.26	71887.34	166.23	24940.60
2. Charcoal (mds)	12.70	2011.94	4.56	818.73	-	-	-	-	-	-	-	-
3. Bamboo (Nos)	374.41	374.41	1041.20	1053.55	714.55	268.12	-	-	-	-	-	-
4. Misc. Income	-	6787.60	-	6429.60	-	6195.18	-	4001.69	-	4202.57	-	4382.96
Total		75464.57		105942.85		61558.00		46684.00		76089.91		29323.56
c. Contribution to National Exchequer		30638.47		4736.34		7252.61		7332.64		3243.72		1179.49
d. Manpower												
e. Monthly salary and allowance	Total:555	(Officers	- 91, Staff	- 157	Workers	- 379)						
	Tk.12.13	Lac(June	'91)		4.58							

Source: BFIDC, Planning Department

Table 114 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

1. Name of Unit : Lumber Processing Complex
 2. Project Area : Kaptai, Chittagong Hill Tracts
 3. Objective : Sawing, planning, seasoning and treating timber
 4. Implementation Period : (a) Proposed - 1966-67 to 1974-75 (b) Actual - 1966-67 to 1974-75
 5. Investment : Total Tk. 240.30 Lac (a) Foreign Tk 33.16 Lac (b) Local Tk 207.14 Lac
 6. Financing : Polish Credit and ADP
 7. Capacity : (1) Sawing-7.50 Lac cft (2) Planning-2.50 Lac cft (3) Seasoning-3.00 Lac cft

Actual Production and Sales

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
	(thousand)											
a. Production												
1. Sawing (cft)	199.69	30004.14	243.10	39129.12	180.65	30557.32	147.77	22720.23	208.39	52643.36	97.22	26502.63
2. Planning (cft)	25.13	454.60	29.43	588.60	23.35	513.70	23.28	286.11	16.50	309.71	6.90	148.76
3. Seasoning (cft)	107.63	1623.06	122.06	2197.08	88.04	1759.92	78.68	769.98	52.90	1244.21	11.63	382.51
4. Treating (cft)	199.76	37715.97	170.56	26502.08	120.31	17313.50	60.28	9717.12	115.82	19118.56	45.44	4149.62
Total		69797.77		68416.88		50144.47		33487.44		73315.84		31183.52
b. Sales												
1. Sawing (cft)	174.58	25739.80	206.52	18246.29	165.64	27701.01	156.76	24371.10	178.01	44642.63	148.37	40660.56
2. Planning (cft)	24.79	448.43	25.54	510.89	22.61	497.38	17.97	220.95	12.25	229.92	9.53	205.44
3. Seasoning (cft)	102.72	1549.33	116.65	2099.63	79.45	1597.86	89.76	871.37	24.57	577.98	40.90	1345.38
4. Treating (cft)	187.21	34088.63	233.08	38804.01	103.48	16324.65	81.29	14376.66	66.38	6699.54	44.70	11352.33
5. Misc. Income	-	2268.81	-	3879.18	-	1603.10	-	2441.92	-	2559.15	-	2676.49
Total		64095.00		63540.00		47724.00		42283.00		54679.22		56240.20
c. Contribution to National Exchequer		417.80		1272.93		224.52		787.69		381.77		254.89
d. Manpower												
e. Monthly salary and allowance												
Total: 153 (Officers-8, Staff-25 & Workers-120) Tk.425 Lac (June'91)												

Source: BFIDC, Planning Department.

Table 115 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

- 1. Name of Unit : Cabinet Manufacturing Plant
- 2. Project Area : Kalurghat, Chittagong
- 3. Objective : Production of doors, windows and sawn timber
- 4. Implementation Period : (a) Proposed - 1960-63 (b) Actual - 1960 to 63
- 5. Investment : Total Tk. 14.72 Lac (a) Foreign Exchange - nil (b) Local Currency - 14.72 Lac
- 6. Financing : ADP
- 7. Capacity : Doors & Windows - 3.00 Lac sft

Actual Production and Sales

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Doors & Windows (sft)	100.22	6139.52	165.27	1150.59	99.32	8543.71	62.14	5683.12	84.34	7132.70	58.27	5114.87
2. Sawn Timber (cft)	32.40	6368.58	11.50	3320.62	15.38	4339.00	9.08	2825.15	20.16	5287.56	5.76	3209.41
Total		12508.10		14827.21		12882.71		8506.27		12420.26		8324.28
b. Sales												
1. Doors & Windows (sft)	119.72	7378.93	165.27	11855.71	99.24	8514.03	64.26	5860.95	79.84	6767.54	50.43	4409.62
2. Sawn Timber (cft)	34.74	7022.47	12.37	3571.80	15.62	4407.99	9.26	2882.17	10.33	5116.09	9.53	3320.85
3. Misc. Income	-	39.24	-	31.73	-	35.98	-	66.88	-	142.60	-	271.89
Total		14440.64		15459.24		12968.00		8810.00		12326.23		8002.89
c. Contribution to National Exchequer		1.30		63.17		224.52		787.69		381.77		254.89
d. Manpower												
e. Monthly salary & allowance												
Total: 118 (Officer-2, Staff-19 & Workers-97)												
Tk. 1.61 Lac (June '91)												

Source: BFIDC, Planning Department.

Table 116 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

1. Name of Unit : Rubber Estate (Chittagong Zone-7 Estate & Sylhet Zone-4 Estate)
2. Project Area : Chittagong & Sylhet Zones
3. Objective : Grow Rubber gardens and produce and sale raw rubber in the country
4. Implementation Period : (a) Proposed - 1960-61 to 1986-87 (b) Actual - 1960-61 to 1987-88
5. Investment : Total Tk 5471.44 Lac (a) Foreign Exchange- Tk 1673.351 lac (b) Local Currency - 3798 lac
6. Financing : ADP
7. Capacity : NA

Actual Production and Sales

(thousand)

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Raw Rubber (kg)	973.67	45709.67	1008.30	55582.41	1036.67	56658.66	1145.25	6316.88	1279.52	60146.28	1344.90	81046.80
Total		45709.67		55582.41		56658.66		6316.80		60146.28		81046.80
b. Sales												
1. Raw Rubber (kg)	1160.52	54643.32	1010.89	55339.63	1075.35	58322.67	1062.82	59613.97	673.58	31925.15	1470.00	81046.80
2. Misc. Income	-	9820.97	-	7953.13	-	9686.33	-	5696.63	-	6023.21	-	2011.95
Total		64464.59		63292.76		68009.00		69210.00		37948.36		83058.75
c. Contribution to National Exchequer		-		147.39		188.04		205.68		-		105.50
d. Manpower	Total 2125 (Officers-58, Staff-348 & Workers-1719)											
e. Monthly salary & allowance	Tk 33.24 Lac (June '91)											

Source: BFIDC, Planning Department

Table 117 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

1. Name of Unit : FIDCO Furniture Complex
2. Project Area : Kalurghat, Chittagong
3. Objective : Manufacture furnitures according to choice of the customers
4. Implementation Period : (a) Proposed - 1962 to 1965 (b) Actual - 1962 - 1965
5. Investment : Total Tk 16.52 Lac (a) Foreign Exchange-Nil (b) Local Currency - Tk 16.52 Lac
6. Financing : ADP
7. Capacity : Furniture 0.56 Lac cft

Actual Production and Sales

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Furniture (cft)	28.97	14428.11	25.87	18030.62	23.34	18974.92	21.11	17688.55	10.09	10152.98	11.91	10725.32
2. Cross Arms (cft)	9.12	445.27	14.11	996.82	4.03	274.56	-	-	-	-	-	-
Total		14873.38		19027.44		17249.48		17688.55		10152.98		10725.32
b. Sales												
1. Furniture (cft)	32.85	16006.77	21.56	14769.56	23.35	16712.10	19.04	15876.08	9.46	8929.78	10.60	9630.36
2. Cross Arms (cft)	9.33	455.00	14.11	996.82	4.03	274.56	-	-	-	-	-	-
3. Misc. Income		267.41	-	148.52	-	109.34	-	159.92	-	113.27	-	493.03
Total		16729.18		15914.89		17096.00		16036.00		9043.05		10123.41
c. Contribution to National Exchequer		84.46		71.34		120.74		62.46		391.83		282.76
d. Manpower	Total 162 (Officers-4, Staff-28 & Workers-130)											
e. Monthly salary & allowance	Tk 3.82 Lac (June '91)											

Source: BFIDC, Planning Department.

Table 118 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

1. Name of Unit : Sangoo Valley Timber Industries
 2. Project Area : Dohazari, Chittagong
 3. Objective : Manufacture Plywood and Tea Chests
 4. Implementation Period : Proposed - 1992 (b) Actual - 1992
 5. Investment : Nationalised from Private Sector
 6. Capacity : Tea Chest & Plywood - 70.00 Lac sft

Actual Production and Sales

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Tea Chest (Sets)	113.64	6739.99	15.44	953.86	81.49	5352.26	103.49	7018.69	111.39	7818.46	37.90	2702.65
2. Plywood (sft)	1539.13	14621.74	1717.52	16883.22	1804.49	19650.90	2105.42	22549.05	1898.05	21030.39	1236.97	14967.03
Total		21361.73		17837.10		25003.16		29567.74		28848.85		17669.68
b. Sales												
1. Tea Chest (Sets)	49.48	2931.98	82.32	5085.65	85.24	5598.99	98.10	6653.05	90.05	6590.75	28.41	2025.72
2. Plywood (sft)	1478.22	14155.11	1748.08	17182.46	1493.06	16263.29	2008.66	21495.01	1885.22	20902.67	1614.10	18619.59
3. Misc. Income	-	413.04	-	428.06	-	198.72	-	290.94	-	231.81	-	321.79
Total		17500.13		22696.17		22161.00		28439.00		27725.23		20967.10
d. Contribution to National Exchequer		6301.42		3082.89		1905.15		2282.80		4036.08		2404.24
e. Manpower	Total 199 (Officers - 12, Staff - 34 & Workers - 153)											
f. Monthly salary & allowance	Tk 5.11 Lac (June '91)											

Source: BFIDC, Planning Department

Table 119 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

1. Name of Unit : Particle Board and Veneering Plant
2. Project Area : Kalurghat, Chittagong
3. Objective : Production of Woodtex, Veneer and Veneer Woodtex and Sale them in the market
4. Implementation Period : Proposed - 1969 to 1981 (b) Actual - 1969 to 1981
5. Investment : Total: Tk 876.90 Lac (a) Foreign Exchange - Tk. 143.04 Lac (b) Local- Tk.733.86 Lac
6. Financing : Polish Credit and ADP
7. Capacity : Veneer - 180.00 Lac sft (2) Veneer Woodtex - 64.00 Lac sft

Actual Production and Sales

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Veneer (sft)	3150.98	3781.18	4219.28	10243.72	4071.86	10237.29	3439.08	16824.41	2640.97	10243.00	1636.55	5908.53
2. Veneer Woodtex (sft)	1134.57	18187.16	1462.40	25431.14	1437.85	27908.66	924.36	19531.73	1072.39	25308.40	702.28	16349.08
3. Woodtex (sft)	2241.10	14836.08	2684.98	21614.08	2647.87	19594.24	1712.18	15923.27	2025.50	17095.22	1148.08	9322.41
Total		36804.42		57288.94		57740.19		52279.41		52646.62		31580.02
b. Sales												
1. Veneer (sft)	598.12	716.56	735.58	1253.14	651.87	1070.18	630.19	190.26	90.05	428.69	994.75	2025.72
2. Veneer Woodtex (sft)	1178.56	17261.75	1225.10	19351.93	1240.92	21974.87	1159.88	22931.42	1885.22	1011.71	23879.87	18619.59
3. Woodtex (sft)	317.12	2104.81	293.38	2361.79	90.26	3793.53	345.35	2997.72	-	137.71	4116.41	321.79
4. Misc. Income	-	674.88	-	446.53	-	506.42	-	864.60	-	-	529.08	-
Total		20758.00		23413.39		27345.00		27984.00		26820.06		19622.09
c. Contribution to National Exchequer		2285.64		2633.79		3131.41		2994.04		3229.99		2409.01
d. Manpower												
c. Monthly salary & allowance												

Total 179 (Officers - 7, Staff - 30 & Workers - 142)
Tk 4.40 Lac (June'91)

Source: BFIDC, Planning Department.

Table 120 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

1. Name of Unit : Chittagong Board Mills
 2. Project Area : Kalurghat, Chittagong
 3. Objective : Production of Flush doors and Hardboard
 4. Implementation Period : (a) Proposed - 1964 (b) Actual - 1964
 5. Investment : Total: Tk 215.43 Lac (a) Foreign Exchange - Tk. 204.93 Lac (b) Local- Tk.10.50 Lac
 6. Financing : ADP
 7. Capacity : NA

Actual Production and Sales

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Flush Door (sft)	190.63	6517.64	190.48	7442.05	190.13	8084.33	170.55	9155.12	116.67	6250.01	33.63	8792.02
Total		6517.64		7442.05		8084.33		9155.12		6250.01		8792.02
b. Sales												
1. Flush Door (sft)	195.08	6613.37	181.92	7413.14	190.30	8434.25	114.75	6158.38	53.57	5368.45	62.10	3494.04
2. Misc Income	-	216.63	-	178.49	-	233.75	-	122.62	-	7.60	-	73.50
Total		6830.00		7591.63		8668.00		6281.00		5368.45		3567.54
c. Contribution to National Exchequer		21.26		1106.01		888.79		709.40		652.00		458.54
d. Manpower	Total 42 (Officers - 2, Staff - 11, Staff - 11 & Workers - 29)											
e. Monthly salary & allowance	Tk 1.16 Lac (June'91)											

Source: BFIDC, Planning Department

Table 121 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

- 1. Name of Unit : Eastern Wood Works
- 2. Project Area : Tejgaon, Dhaka
- 3. Objective : Production of different kind of furniture according to the choice of the customers
- 4. Investment : Total: Tk 6.34 Lac (a) Foreign Exchange - nil (b) Local Currency - Tk. 6.34 Lac
- 5. Financing : Own Sources
- 6. Capacity : Furniture 0.25 Lac sft

Actual Production and Sales

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Furniture (cft)	21.53	13564.66	22.03	13827.66	11.87	8447.17	15.89	12443.09	11.45	10020.53	9.62	8718.45
Total		13564.66		13827.66		8447.17		12443.09		10020.53		8718.45
b. Sales												
1. Furniture (cft)	21.26	13564.04	22.34	14035.77	12.13	8659.86	18.06	13946.08	12.10	10586.11	7.25	6565.59
2. Misc Income	-	452.91	-	318.36	-	897.12	-	443.92	-	539.43	-	422.21
Total		14016.95		14354.13		9557.00		14390.00		11125.54		6987.80
c. Contribution to National Exchequer		66.96		49.88		37.56		64.51		46.32		67.95
d. Manpower	Total 139 (Officers - 2, Staff - 35 & Workers - 102)											
e. Monthly salary & allowance	Tk 3.12 Lac (June'91)											

Source: BFIDC, Planning Department.

Table 122 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

- 1 Name of Unit** : Cabinet Manufacturing Plant
2 Project Area : Mirpur, Dhaka
3 Objective : Manufacturing of doors, windows and furniture
4 Implementation Period : (a) Proposed 1962-63 (b) Actual - 1962 to 1963
5 Investment : Total: Tk 14.93 Lac (a) Foreign Exchange - nil (b) Local Currency - Tk.14.93 Lac
6 Financing : ADP
7 Capacity : Doors & Windows - 3.00 Lac sft

Actual Production and Sales

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Doors & Windows (sft)	107.11	7511.62	155.29	12409.22	65.27	5947.40	55.91	5060.41	17.14	1891.23	23.48	3421.04
2. Furniture (cft)	2.92	1460.41	2.39	1121.34	2.49	1268.06	6.80	3889.06	4.83	3470.64	7.22	6356.27
3. Sawn Timber (cft)	2.95	695.58	4.02	1176.77	4.45	1519.57	7.12	2725.96	6.62	3194.02	2.74	1736.38
Total		9667.61		14707.33		8735.03		11675.43		8555.94		11513.69
b. Sales												
1. Doors and windows (sft)	94.08	6532.28	163.14	13036.56	73.98	6740.77	52.40	4742.24	18.97	2093.10	21.75	3168.98
2. Furniture (cft)	2.87	1435.39	2.70	1267.82	2.54	1293.55	6.34	3627.01	5.36	3851.52	5.25	4613.13
3. Sawn Timber (cft)	3.74	909.59	3.89	1112.35	4.70	1601.35	7.31	2798.65	6.62	3194.03	2.79	1736.39
4. Misc. Income	-	161.74	-	296.25	-	253.33	-	762.10	-	732.07	-	513.34
Total		9039.00		15713.00		9889.00		11930.72		9870.72		10031.84
c. Contribution to National Exchequer		20.31		27.47		26.89		26.12		8.10		-
d. Manpower												
e. Monthly salary & allowance												
Total 142 (Officers - 4, Staff - 29 & Workers - 109) Tk 3.17 Lac (June '91)												

Source: BFIDC, Planning Department.

Table 123 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

- 1. Name of Unit : Wood Treating Plant
- 2. Project Area : Daulatpur, Khulna
- 3. Objective : Treatment of timber for greater longevity
- 4. Implementation Period : (a) Proposed 1967-69 (b) Actual - 1967 to 1969
- 5. Investment : Total: Tk 202.34 Lac (a) Foreign Exchange - nil (b) Local Currency - Tk.202.34 Lac
- 6. Financing : ADP
- 7. Capacity : Treated Timber - 2.70 Lac cft

Actual Production and Sales

(thousand)

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Treated Timber (cft)	121.29	31832.50	141.85	31757.38	134.22	29562.96	133.59	31737.73	143.71	29653.12	86.39	33169.73
Total		11920.94		12552.44		9977.46		20425.74		9578.43		1959.48
b. Sales												
1. Treated Timber (cft)	124.17	31081.17	137.61	31029.26	136.03	28715.64	120.53	29252.31	110.93	22889.73	68.75	16569.96
2. Misc Income	-	1078.83	-	2386.92	-	314.36	-	293.69	-	300.86	-	668.55
Total		32160.00		33416.18		29030.00		29546.00		23190.59		17238.51
c. Contribution to National Exchequer				82.06		-		1809.49		435.33		225.43
d. Manpower	Total 106 (Officers - 6, Staff - 47 & Workers - 53)											
e. Monthly salary & allowance	Tk 2.29 (June'91)											

Source: BFIDC, Planning Department

Table 124 - Production and Sales of Bangladesh Forest Industries Development Corporation by Units

1. Name of Unit : Cabinet Manufacturing Plant
2. Project Area : Dalupur, Khulna
3. Objective : Manufacturing and marketing of doors, windows and furniture
4. Implementation Period : (a) Proposed 1962-67 (b) Actual - 1962 to 1967
5. Investment : Total: Tk 21.81 Lac (a) Foreign Exchange - nil (b) Local Currency - Tk.21.81 Lac
6. Financing : ADP
7. Capacity : Doors & Windows - 3.00 Lac sft

Actual Production and Sales

(thousand)

Commodity	1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
a. Production												
1. Doors & Windows (sft)	1.09	91.32	83.72	5881.33	30.62	2219.95	20.20	1414.81	13.00	987.35	26.37	2132.47
2. Furniture (cft)	3.06	1690.83	2.55	1767.00	4.02	2570.95	3.51	2432.22	7.23	4913.72	9.89	5601.80
3. Swan Timber (cft)	2.55	1150.56	4.46	2031.73	4.64	2157.87	3.97	1670.18	5.72	2698.87	2.06	1110.22
Total		2932.71		9680.06		6948.77		5517.21		8599.94		6844.49
b. Sales												
1. Doors & Windows (sft)	1.00	83.78	60.91	5476.75	38.41	2784.66	19.68	1378.34	16.16	1227.39	27.42	2221.97
2. Furniture (cft)	2.51	1649.87	2.50	1735.92	4.02	2568.86	3.89	2695.88	7.25	4929.80	9.27	5245.91
3. Swan Timber (cft)	2.56	1155.06	4.59	2076.98	3.99	1859.89	3.98	1646.21	5.33	2512.67	2.79	1506.35
4. Misc. Income	-	83.29	-	-	-	247.59	-	247.57	-	429.71	-	226.31
Total		2972.00		9775.25		7461.00		5968.00		9099.57		9200.54
c. Contribution to National Exchequer		128.00		173.75		-		27.19		451.65		369.87
d. Manpower												
e. Monthly salary & allowance												
Total 69 (Officers - 1, Staff - 6 & Workers - 62) Tk 1.38 Lac (June'91)												

Source: BFIDC, Planning Department.

Table 125 - Project Wise Profit/Loss Statement of Bangladesh Forest Industries Development Corporation upto 1990-91

Enterprise	1969-70	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
Transport Pool Chittagong	-	-	-	-	-	(-) 3.33	(-) 0.76	(+) 10.26	Closed	-	-	-	-	-	-	Closed
Sangor Matmahuri Project-Ctg	(-) 0.77	(-) 7.31	(+) 6.47	(+) 11.29	(+) 9.99	(+) 26.12	(+) 14.49	(+) 23.64	(+) 16.96	(+) 12.26	(+) 25.00	(+) 35.10	(+) 7.92	(+) 57.94	(+) 1.84	(-) 19.90
Chittagong Board Mill Ctg	-	(-) 4.18	(-) 7.13	(-) 49.54	(-) 52.02	(+) 49.94	(-) 49.22	(-) 47.96	(-) 48.30	(-) 49.48	(-) 52.66	(-) 44.04	(-) 41.65	(+) 7.79	(-) 9.47	(-) 33.99
Wood Treating Plant-Ctg	(-) 3.14	(-) 6.28	(-) 4.78	(+) 1.12	(+) 44.57	(+) 40.30	(+) 98.52	(+) 115.89	(+) 96.31	(+) 144.19	(-) 38.97	(-) 47.26	(-) 72.02	(+) 98.90	(-) 76.44	(-) 110.46
Particle Board & Veneering Plant-Ctg	-	(-) 0.10	(-) 0.13	(-) 6.81	(-) 5.71	(-) 1.21	(-) 55.02	(-) 65.45	(-) 71.09	(-) 73.94	(-) 89.97	(-) 38.78	(-) 38.82	(-) 112.60	(-) 99.00	(-) 115.35
FIDC Furniture Complex-Ctg	(-) 11.88	(+) 1.75	(-) 12.17	(-) 12.84	(-) 23.90	(+) 8.27	(-) 17.64	(+) 17.76	(-) 7.68	(-) 29.98	(-) 0.35	(+) 0.21	(-) 2.26	(-) 3.16	(-) 43.37	(-) 39.19
Cabinet Manufacturing Plant-Ctg	(-) 2.24	(+) 2.30	(+) 0.78	(-) 22.02	(-) 0.80	(-) 12.81	(-) 3.26	(-) 6.25	(+) 4.60	(+) 2.77	(-) 0.18	(-) 38.78	(+) 0.12	(-) 18.87	(+) 0.06	(-) 17.54
Sangor Valley Timber Industries-Ctg	-	(+) 0.09	(+) 0.21	(-) 5.24	(+) 17.25	(+) 34.67	(+) 24.16	(+) 25.75	(+) 25.73	(+) 42.85	(+) 22.68	(-) 8.26	(+) 23.07	(+) 11.62	(+) 1.78	(-) 33.03
Cabinet Manufacturing Plant-Ctg	(-) 0.59	(-) 2.11	(+) 0.60	(-) 7.95	(-) 2.96	(-) 11.08	(+) 3.88	(+) 4.39	(-) 0.07	(+) 0.80	(+) 1.48	(+) 9.13	(+) 17.12	(-) 6.76	(+) 3.42	(+) 2.81
Wood Treating Plant-Khulna	(-) 5.59	(+) 17.01	(+) 16.93	(-) 0.40	(+) 5.75	(+) 3.69	(+) 36.66	(+) 86.96	(+) 80.32	(+) 134.51	(+) 96.38	(+) 76.34	(+) 35.15	(+) 38.98	(+) 16.87	(+) 11.61
Rubber Division-Dhaka	Dev.	(+) 21.96	(+) 19.40	(+) 7.77	(+) 34.01	(+) 2.30	(+) 0.93	(+) 64.06	(+) 57.89	(+) 33.96	(+) 13.57	(+) 28.61	(+) 5.57	(+) 14.50	(-) 10.11	(+) 30.87
Eastern Wood Works-Dhaka	-	(+) 3.93	(+) 2.57	(-) 0.34	(+) 8.26	(+) 18.41	(+) 0.78	(+) 10.36	(+) 8.22	(+) 4.18	(+) 7.79	(+) 0.31	(-) 11.70	(+) 1.09	(-) 6.71	(-) 10.75
Cabinet Manufacturing Plant-Dhaka	(+) 0.37	(-) 4.80	(-) 11.82	(-) 3.15	(+) 1.26	(+) 5.52	(+) 0.43	(-) 1.86	(+) 6.49	(+) 0.43	(-) 7.68	(+) 0.20	(-) 4.59	(-) 10.05	(-) 8.06	(+) 2.20
Timber Extraction Project-Kaptai	(+) 1.58	(+) 5.30	(-) 10.50	(-) 33.06	(+) 1.57	(+) 15.41	(+) 8.69	(+) 40.74	(+) 15.30	(-) 77.28	(+) 12.94	(+) 5.28	(-) 137.28	(+) 19.41	(-) 172.32	(-) 277.62
Procurement and Sales Organisation-Kaptai	-	(+) 9.16	(-) 12.48	(+) 12.08	(+) 0.73	(+) 27.83	(+) 27.91	(+) 15.62	(+) 87.03	(+) 219.02	(+) 114.91	(+) 51.55	(+) 47.47	(+) 70.06	(+) 20.18	(-) 9.67
Lumber Processing Complex-Kaptai	Dev.	(-) 34.13	(-) 47.64	(-) 31.32	(-) 18.31	(+) 4.00	(-) 10.37	(+) 36.91	(+) 59.13	(+) 115.22	(+) 102.34	(+) 30.57	(+) 19.48	(+) 3.98	(+) 25.25	(-) 2.65
Mangrove Treating Plant-Khulna	(-) 5.45	(-) 3.87	(-) 0.40	(-) 2.00	(-) 2.02	(-) 4.63	(-) 3.80	(-) 4.44	(-) 4.44	(-) 4.31	(-) 4.07	(-) 3.99	(-) 3.96	(-) 3.80	-	-
Kaptai Industrial Estate-Kaptai	(+) 0.06	(+) 2.38	(+) 0.90	(-) 0.99	(-) 0.99	(-) 0.14	(-) 0.33	(+) 0.27	(+) 0.27	(+) 0.83	(-) 2.41	(-) 2.41	(-) 1.74	(-) 2.20	-	-

Source: BFIDC, Planning Department

Table 126 - Production of Wood-Based Industries under Bangladesh Chemical Industries Corporation (BCIC)

Name of Enterprises		1981-82		1982-83		1983-84		1984-85		1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
		Value		Value		Value		Value		Value		Value		Value		Value		Value		Value	
		Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value
KPM	MT	24744	5646.56	21351	5913.16	18432	4717.45	28808	7837.65	31128	8864.15	32209	9703.09	32551	9964.20	32697	11484.23	34515	13634.08	31628	13330.87
KRC	MT	872	1059.12	1592	3044.76	1247	2418.52	1489	2870.72	8300	2868.36	1104	4457.75	1293	3828.65	1188	3002.60	1206	2030.81	1201	2226.75
KNM	MT	44004	4762.89	31202	4804.51	37764	6382.55	50852	7363.96	55100	820.61	50396	7411.64	49859	8062.15	47762	8594.49	950465	9318.85	49510	9254.56
NRPM	MT	6470	1442.15	5232	1641.66	9506	2678.16	9973	3069.23	10906	3271.80	11020	3073.15	9837	2805.50	9082	2689.09	12133	4805.64	11462	4933.20
SPPM	MT	9131	949.38	12128	1461.82	10822	1432.52	12189	1628.76	14054	2099.14	15084	2513.03	17819	3398.58	20502	4326.53	21056	5232.71	18018	4740.19
KHRM	L/m ²	10.49	141.01	15.23	250.44	13.21	260.18	15.98	373.02	16.62	427.28	14.46	434.54	15.53	497.55	16.05	521.78	16.87	567.55	15.89	630.83
Total Paper Produced		75218	14001.1	57785		65702		89633		97134		93625		92247		89511		98113		92600	

Note: Karnafally Paper Mills Ltd. (KPM), Established 1953
 Karnafally Rayon Complex (KRC), Established 1967
 Khulna Newspaper Mills Ltd. (KNM), Established 1959
 North Bengal Paper Mills Ltd. (NBPM), Established 1970
 Sybhet Paper and Pulp Mills Ltd. (SPPM), Established 1975
 Khulna Hardboard Mills Ltd. (KHRM), Established 1964

Name of Enterprises		1981-82		1982-83		1983-84		1984-85		1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
		Value		Value		Value		Value		Value		Value		Value		Value		Value		Value	
		Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value
Domestic	MT	25309	2894.44	21804	3212.28	31988	5538.18	31416	4555.05	37963	5879.77	34280	5157.65	35136	6032.39	39015	7110.33	46456	8491.93		
Export	MT	10542	1040.20	9163	1264.38	13984	2125.83	18089	2786.10	16022	2300.26	18600	2691.21	13899	2415.66	7799	1566.65	4674	927.08		
Total	MT	35851	3934.64	30967	4476.66	45972	7664.01	49500	7341.15	53985	8180.03	52880	7848.86	49035	8448.05	46814	8676.98	51130	9419.01		

Name of Enterprises		1981-82		1982-83		1983-84		1984-85		1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
		Value		Value		Value		Value		Value		Value		Value		Value		Value		Value	
		Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value
Domestic	MT	20360	4724.38	21156	6320.65	16818	5462.13	23648	7232.71	28365	8666.34	29459	9024.79	27339	8461.96	27317	9634.20	33717	13259.12		
Export	MT	25	4.67	148	33.64	2325	437.04	2454	510.04	-	-	2371	606.92	5421	1616.28	3928	1288.60	620	336.17		
Total	MT	20385	4729.05	21304	6354.29	19143	5899.17	26102	7742.75	28365	8666.34	31830	9631.71	32760	10078.24	31245	10922.80	34337	13595.29		

Table 126 - Production of Wood-Based Industries under Bangladesh Chemical Industries Corporation (BCIC) (Cont'd)

NBTM	Unit	1981-82		1982-83		1983-84		1984-85		1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
		Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value
Domestic	MT	7133	1365.43	5271	1418.04	9036	2463.71	9789	2685.34	10389	2896.17	8154	2517.22	10157	3153.97	9954	3210.01	11530	4572.02		
Export	MT																				
Total	MT	7133	1365.43	5271	1418.04	9036	2463.71	9789	2685.34	10389	2896.17	8154	2517.22	10157	3153.97	9954	3210.01	11530	4572.02		
SFTM	Unit	1981-82		1982-83		1983-84		1984-85		1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
Domestic	MT	5915	954.19	12446	1499.28	10245	1360.10	11639	1545.07	13646	2040.24	14589	2419.21	19340	3633.20	20371	4291.56	21256	5256.50		
Export	MT	236	19.60	145	12.85	53	4.49		0.20	5	0.70	24	3.53	30	4.17						
Total	MT	9151	973.79	12591	1512.13	10298	1364.59	11639	1545.27	13651	2040.94	14613	2422.74	19370	3637.37	20371	4291.56	21256	5256.50		
KRC	Unit	1981-82		1982-83		1983-84		1984-85		1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
Domestic	MT	998	1573.24	1357	2095.26	1314	2326.15	1428	3505.98	1015	3209.23	993	4201.46	1191	4138.37	1341	4167.17	1238	4442.15		
Export	MT	102	86.71	70	67.50		3.80		5.98	40	5.54			55	45.55	48	37.25	47	35.52		
Total	MT	1100	1659.95	1427	2162.76	1314	2329.95	1428	3511.96	1055	3214.77	993	4201.46	1246	4183.92	1389	4204.42	1285	4477.67		
KHBM	Unit	1981-82		1982-83		1983-84		1984-85		1985-86		1986-87		1987-88		1988-89		1989-90		1990-91	
Domestic	l/m ³	14.36	185.33	14.65	250.19	14.91	289.02	15.76	360.74	16.81	429.16	14.53	439.47	15.40	493.30	15.11	495.51	17.53	654.52		
Export	l/m ³	0.32	3.45	0.75	10.21	0.62	8.75	0.17	2.74							0.44	10.54				
Total	l/m ³	14.68	188.78	15.40	260.40	15.53	297.77	15.93	363.48	16.81	429.16	14.53	439.47	15.40	493.30	15.55	506.05	17.53	654.52		

Table 126 - Production of Wood-Based Industries under Bangladesh Chemical Industries Corporation (BCIC) (Cont'd)

		(Amount in Lac Taka)										
		1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	
3. Profit and Loss of BCIC Enterprises												
KNM		(133.66)	64.94	40.73	44.59	(561.60)	(989.41)	(220.23)	(230.49)	(761.72)	(1490.81)	
KPM		50.53	32.27	(524.89)	23.22	27.03	101.96	67.54	67.92	455.06	112.25	
NBPM		(211.27)	(395.20)	(400.43)	(627.65)	(745.45)	(1051.17)	(1583.62)	(1372.32)	(669.12)	(1200.30)	
SPPM		(746.64)	(139.63)	(280.61)	(328.69)	(143.92)	(295.52)	41.36	140.84	327.19	(161.58)	
KRC		(684.78)	(330.76)	(192.73)	(727.79)	(1609.81)	(1012.50)	(1143.39)	(1366.30)	(732.88)	(666.82)	
KHBM		0.25	8.23	1.28	7.73	2.90	9.26	31.25	11.94	30.99	23.06	
4. Investment in BMRE												
		1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	Total
KNM		858.51	618.74	1022.95	1259.77							3759.97
KPM		175.04	530.68	475.21								1180.93
NBPM		190.90	635.66	412.30	516.39	102.80	367.00	565.47	1227.82			2160.29
SPPM		385.00	556.23	730.32								1858.05
KRC												1671.55
KHBM		137.66	427.25	353.00								917.91
RDBM												
Total		1747.11	2768.56	2993.78	1776.16	102.80	567.00	565.47	1227.82			11548.70

Source: MIS, BCIC, Dhaka

7. CONSUMPTION AND PRICE

Table 127 - Per capita Fuel Usage in Bangladesh (1981)

(Million calorie/capita)

Fuel Type	Regions					
	Rajshahi Bogra Rangpur Dinajpur	Kushtia Pabna Faridpur Jessore	Mymensingh Dhaka Comilla	Barisal Patuakhali	Khulna Sylhet	Dhaka Khulna Urban fringe
Fuelwood	188	210	201	289	495	480
Other tree fuel	338	190	291	295	249	240
Agricultural residue and bamboo	676	307	579	295	418	539
Total:	1205	706	1071	909	1162	1259

Source: Douglas, J.J. 1981. Consumption and Supply of Wood and Bamboo in Bangladesh. Field Document 2, UNDP/FAO, PROJ. BGD/78/010

Table 128 - Projected Supply and Demand of Fuelwood and Timber in Bangladesh (1980-2010)

(Million m³)

Year	Supply	Demand	Gap
<u>Fuelwood</u>			
1980	0.680	5.381	4.701
1985	0.991	6.372	5.381
1990	1.113	7.420	6.307
1995	2.124	8.071	5.947
2000	1.784	8.666	6.882
2005	1.841	8.638	6.797
2010	1.897	7.930	6.033
Total	10.430	52.478	42.048
<u>Timber</u>			
1980	0.340	1.841	1.501
1985	0.453	2.039	1.586
1990	0.700	2.492	1.792
1995	1.104	2.690	1.586
2000	1.076	3.115	2.039
2005	1.161	3.823	2.662
2010	1.218	4.673	3.455
Total	6.052	20.673	14.621

Source: Davidson, J. 1984. Field Document No. 4, Volume No. 1, FAO/UNDP Project BGD/79/017.

Table 129 - Estimate of National Fuelwood Demand for 1991

('000)

Users Sector	North-West	N-Central	West	South	South-East	N-East	Ctg Hill Tracts	Total
	S-I	S-II	S-III	S-IV	S-V	S-VI	S-VII	
Urban Rich	27.05	79.94	24.82	13.43	47.71	18.34	2.03	213.33
Urban Poor	71.59	211.53	65.68	35.55	126.24	48.54	5.37	564.49
Rural Rich	131.67	227.52	165.97	136.50	184.22	151.81	10.89	1190.58
Rural Poor	830.03	602.05	439.18	361.21	487.47	401.72	28.81	3150.29
Domestic total	1242.35	1121.03	695.65	546.70	845.64	620.41	47.09	5118.69
Industrial	690.40	625.70	426.20	271.10	472.00	346.20	22.20	2856.80
Grand Total	1935.75	1746.73	1121.85	817.80	1317.64	966.61	69.29	7975.49

Source: Forestry Master Plan Study, 1992.

Note:

- a. Results are derived on the basis of actual population of 1991.
- b. Rich and poor in urban and rural areas are assumed to be 1:4 in ratio.
- c. Industrial consumption includes commercial and institutional demand.
- d. Same level of consumption per capita applied for Chittagong Hill Tracts region.

Table 130 - Industrial Consumption of Fuelwood, 1991

Domestic Cooking	Industrial/ Commercial								Commercial Total
	Brick burning	Road tarring	Tea processing	Tobacco curing	Baking	Soap	Pottery	Others	
(in million ton)									
3.600	1.520	0.163	0.079	0.066	0.081	0.009	0.034	0.060	2.012
(in million m ³)									
5.119	2.158	0.231	0.112	0.094	0.115	0.013	0.048	0.085	2.856
Grand Total	Domestic Cooking + Industrial Commercial = 7.975 million m ³								

Source: Forestry Master Plan Study, 1992

Table 131 - Fuelwood Supply-Demand Projection upto 2013: Status-Quo Situation

(000 m³)

Commodity	N-West	N-Central	West	South	S-East	N-East	CHT	Total
1993								
I. Fuelwood								
Demand:								
a. Domestic	1288.61	1162.78	721.56	567.05	877.13	643.51	48.85	5309.49
b. Industrial	719.06	648.85	441.97	281.13	489.46	359.01	23.02	2962.50
Total	2007.67	1811.63	1163.53	848.18	1366.59	1002.52	71.87	8271.80
Supply	882.00	763.00	546.00	860.00	857.00	391.00	1880.00	6179.00
Balance	-1125.67	-1048.63	-617.53	-12.82	-509.59	-611.52	-1808.13	-2092.80
1998								
a. Domestic	1404.27	1267.14	786.32	617.95	955.85	701.27	53.23	5786.03
b. Industrial	790.96	713.74	486.17	309.24	538.41	394.91	25.32	3258.75
Total	2195.23	1980.88	1272.49	927.19	1494.26	1096.18	78.56	9044.79
Supply	969.00	843.00	597.00	931.00	932.00	434.00	1788.00	6494.00
Balance	-1226.23	-1137.88	-675.49	-4.19	-562.26	-662.18	-1709.44	-2550.79
2003								
a. Domestic	1519.93	1371.51	851.09	668.85	1034.58	758.95	57.62	6262.52
b. Industrial	870.06	785.11	534.78	340.17	592.25	434.40	27.86	3584.63
Total	2389.99	2156.62	1385.87	1009.01	1626.83	1193.35	85.47	9847.15
Supply	1062.00	927.00	656.00	1001.00	1027.00	478.00	1678.00	6829.00
Balance	-1327.99	-1229.62	-729.87	-8.01	-599.83	-715.35	+1592.53	-3018.15
2008								
a. Domestic	1635.59	1475.87	915.85	719.74	1113.31	816.78	62.00	6739.14
b. Industrial	957.06	863.62	588.26	374.18	651.48	477.84	30.64	3943.09
Total	2592.65	2339.49	1504.11	1093.93	1764.78	1294.63	92.64	10682.24
Supply	1174.00	1033.00	727.00	1146.00	1334.00	531.00	1577.00	7212.00
Balance	-1418.65	-1306.49	-777.11	+53.07	-430.78	-763.63	+1484.36	-3470.24
2013								
a. Domestic	1751.25	1580.24	980.61	770.64	1192.03	874.54	66.38	7215.69
b. Industrial	1052.77	949.98	647.09	411.60	716.62	525.63	33.71	4337.40
Total	2804.02	2530.22	1627.70	1182.24	1908.66	1400.17	100.09	11553.10
Supply	1300.00	1155.00	813.00	1346.00	1518.00	590.00	1486.00	8208.00
Balance	-1504.02	-1375.22	-814.70	+164.76	-390.66	-810.17	+1385.91	-3345.10

Source: Forestry Master Plan Study, 1992.

Table 132 - Fuelwood, Supply-Demand Projection upto 2013, Likely Scenario

(⁰⁰⁰ m³)

Zone	Source	1993	1998	2003	2008	2013
Northwest	Total Supply	895	983	1202	1380	1700
	Domestic	1289	1350	1364	1364	1463
	Industrial/ Commercial	499	563	470	587	614
	Total Demand	1788	1913	1834	1951	2077
	Balance +/-	-893	-930	-632	-571	-377
Northcentre	Total Supply	776	857	1121	1309	1662
	Domestic	1163	1218	1231	1231	1320
	Industrial/ Commercial	450	509	514	530	554
	Total Demand	1613	1727	1745	1761	1874
	Balance +/-	-837	-870	-624	-452	-212
West	Total Supply	575	628	652	870	1095
	Domestic	721	756	764	764	819
	Industrial/ Commercial	319	359	367	381	401
	Total Demand	1040	1115	1131	1145	1220
	Balance +/-	-465	-487	-479	-275	-125
South	Total Supply	847	917	1075	1236	1355
	Domestic	567	594	600	600	644
	Industrial/ Commercial	184	209	208	211	219
	Total Demand	751	803	808	811	863
	Balance +/-	+96	+114	+267	+425	+492
Southeast	Total Supply	870	969	1185	1563	1986
	Domestic	567	594	600	600	644
	Industrial/ Commercial	184	209	208	211	219
	Total Demand	751	803	808	811	863
	Balance +/-	+96	+114	+267	+425	+492
Northeast	Total Supply	399	443	536	619	770
	Domestic	644	674	681	681	731
	Industrial/ Commercial	249	281	284	293	307
	Total Demand	893	955	965	974	1038
	Balance +/-	-494	-512	-429	-355	-268
Hill Tracts	Total Supply	1880	1788	1678	1577	1486
	Domestic	49	51	52	52	56
	Industrial/ Commercial	15	17	17	17	17
	Total Demand	64	68	69	69	73
	Balance +/-	+1816	+1788	+1609	+1577	+1486
All Regions	Total Supply	6242	6585	7449	8554	10054
	Domestic	5310	5562	5621	5620	6029
	Industrial/ Commercial	2056	2321	2248	2419	2530
	Total Demand	7366	7883	7869	8039	8559
	Balance +/-	-1124	-1298	-320	+515	+1495

Source: Forestry Master Plan Study, 1992.

Table 133 - Consumption for Sawwood and Roundwood Equivalent, 1991

('000 m³)

Users Sector	North-West	N-Central	West	South	South-West	North-West	Ctg Hill Tracts	Total
Urban Rich	45.13	135.28	42.01	22.74	80.74	31.04	3.43	361.13
Urban Poor	18.48	54.60	16.96	9.18	32.59	12.53	1.39	145.76
Rural Rich	64.26	189.88	58.96	31.91	113.32	43.57	4.82	506.89
Rural Poor	267.83	194.26	141.71	116.55	157.29	129.62	9.30	1016.52
Govt. + Comm.	9.64	28.48	8.84	4.79	17.00	6.54	0.72	76.03
Total Sawwood	341.73	412.63	209.52	153.25	287.62	179.73	14.84	1599.44
Total RWE	911.29	1100.35	558.72	408.67	766.97	479.28	39.56	4265.18
Industrial Consumption of RWE	5.34	57.81	66.47	-	39.38	25.06	10.13	204.19
Total Sawlog	916.63	1158.16	625.19	408.67	806.35	504.34	49.69	4469.37

Source: Forestry Master Plan Inventory, 1992.

Note: Conversion factor is assumed to be 37.5 percent of the roundlog.

Table 134 - Supply-Demand Projection for Sawlog upto 2013, Status Quo Situation

('000 m³)

Commodity	N-West	N-Central	West	South	S-East	N-East	CHT	Total
1993								
Sawlog:								
a. Domestic Urban	196.56	542.18	173.62	96.54	326.25	129.91	14.04	1479.53
b. Domestic Rural	734.05	531.23	388.19	319.41	430.47	355.16	25.46	2783.80
c. Commercial *	56.20	155.04	49.65	27.61	93.29	37.15	4.01	423.07
Total	986.81	1228.45	611.46	443.56	850.01	522.22	43.51	4686.40
Supply	178.00	154.00	112.00	330.00	192.00	103.00	216.00	1285.00
Balance	-808.81	-1074.45	-499.46	-113.56	-658.01	-419.22	+171.49	-3401.40
1998								
a. Domestic Urban	232.98	607.80	199.72	113.47	368.32	150.95	16.01	1689.73
b. Domestic Rural	793.18	572.82	419.25	345.10	464.51	383.95	27.49	3005.84
c. Commercial	62.41	162.80	53.50	30.39	98.66	40.43	4.29	452.60
Total	1088.57	1343.42	672.47	488.96	931.49	575.04	47.79	5148.17
Supply	199.00	175.00	123.00	347.00	205.00	109.00	206.00	1364.00
Balance	-889.57	-1168.42	-549.47	-141.96	-726.49	-466.04	+158.21	-3784.17
2003								
a. Domestic Urban	269.33	673.35	225.78	130.37	410.33	171.95	17.99	1899.62
b. Domestic Rural	852.34	614.43	450.32	370.81	498.57	412.14	29.51	3227.99
c. Commercial	68.77	171.94	57.65	33.29	104.78	43.91	4.59	485.06
Total	1190.41	1459.72	733.75	534.47	1013.68	628.00	52.09	5612.67
Supply	219.00	194.00	135.00	365.00	237.00	99.00	183.00	1432.00
Balance	-971.41	-1265.72	-598.75	-169.47	-776.68	-529.00	+130.91	-4180.67
2008								
a. Domestic Urban	305.74	738.94	251.87	147.30	452.39	192.98	19.95	2109.73
b. Domestic Rural	911.48	656.03	481.39	396.51	532.62	440.69	31.55	3450.06
c. Commercial	79.61	192.72	65.59	38.36	117.80	50.25	5.19	549.37
Total	1296.83	1587.39	798.85	582.17	1102.81	683.92	56.69	6109.16
Supply	242.00	217.00	150.00	389.00	284.00	107.00	200.00	1589.00
Balance	-1054.83	-1370.39	-648.85	-193.17	-818.18	-576.92	+143.31	-4520.16
2013								
a. Domestic Urban	341.97	804.37	277.86	164.14	494.32	213.92	21.91	2319.09
b. Domestic Rural	970.69	697.68	512.49	422.24	566.71	469.23	33.58	3672.40
c. Commercial	95.48	224.58	77.58	45.83	138.01	59.73	6.12	647.49
Total	1408.14	1726.63	867.93	632.21	1199.04	742.88	61.61	6638.98
Supply	2661.00	243.00	165.00	425.00	334.00	132.00	263.00	1828.00
Balance	-1142.14	-1483.63	-702.93	-207.21	-865.04	-610.88	+201.39	-4820.98

Source: Forestry Master Plan Study, 1992.

**Table 135 - Projection of Demand and Supply of Sawlog upto 2013,
Moderate Consumption Situation**

('000 m³)

Commodity	N-West	N-Central	West	South	S-East	N-East	CHT	Total
1993								
Sawlog:								
a. Domestic Urban	229.62	633.40	202.82	112.78	381.13	151.76	16.40	1728
b. Domestic Rural	734.05	531.23	388.19	319.41	430.47	355.16	25.46	2784
c. Other *	56.20	155.04	49.15	27.61	93.29	37.15	4.01	422
Total	1019.87	1319.67	640.16	459.80	904.89	544.07	45.87	4934
Supply	183.00	154.00	112.00	330.00	219.00	86.00	234.00	1318
Balance	-836.87	-1165.67	-528.16	-129.80	-685.89	-458.07	+188.13	-3618
1998								
a. Domestic Urban	270.18	708.05	233.32	132.56	428.28	176.34	18.70	1968
b. Domestic Rural	793.18	572.82	419.25	345.10	464.51	383.66	27.47	3006
c. Other	62.41	162.80	53.50	30.39	98.82	40.43	4.29	453
Total	1125.00	1443.67	706.07	508.05	991.61	600.43	50.46	5427
Supply	200.00	174.00	124.00	346.00	233.00	92.00	224.00	1393
Balance	-925.00	-1269.67	-582.07	-162.05	-758.61	-508.43	+173.54	-4034
2003								
a. Domestic Urban	319.88	799.71	268.75	154.84	487.34	204.22	21.36	2257
b. Domestic Rural	852.34	614.43	450.32	370.81	498.57	412.14	29.51	3228
c. Other	68.77	171.94	57.65	33.29	104.78	43.91	4.59	485
Total	1240.99	1586.08	776.72	558.44	1090.69	660.27	55.46	5970
Supply	220.00	194.00	136.00	365.00	246.00	99.00	283.00	1544
Balance	-1020.99	-1392.08	-640.72	-193.44	-844.69	-561.27	+227.54	-4426
2008								
a. Domestic Urban	372.03	899.15	306.47	179.23	550.47	234.82	24.27	2567
b. Domestic Rural	911.48	656.03	481.39	396.51	532.62	440.69	31.55	3450
c. Other	79.61	192.42	65.59	38.36	117.80	50.25	5.19	550
Total	1363.12	1747.60	853.45	614.10	1200.89	725.76	61.01	6567
Supply	265.00	237.00	165.00	405.00	279.00	115.00	273.00	1739
Balance	-1098.12	-1510.60	-688.45	-209.10	-921.89	-610.76	+211.99	-4828
2013								
a. Domestic Urban	428.15	1007.10	347.88	205.50	618.90	267.83	27.43	2903
b. Domestic Rural	970.69	697.68	512.49	422.24	566.71	469.23	33.58	3672
c. Other	95.58	224.58	77.58	45.83	138.01	59.73	6.12	648
Total	1494.42	1929.30	937.95	673.57	1323.62	796.79	67.13	7223
Supply	292.00	265.00	180.00	442.00	483.00	160.00	916.00	2739
Balance	-1202.42	-1664.30	-757.95	-231.57	-840.62	-636.79	+848.87	-4484

Source: Forestry Master Plan Study, 1992.

Table 136 - Projection of Demand and Supply of Poles and Posts upto 2013, Status Quo

('000 m³)

Commodity	N-West	N-Central	West	South	S-East	N-East	CHT	Total
1993								
Demand:								
a. Domestic	47.12	34.10	24.92	20.50	27.63	22.80	1.63	178.69
b. Industrial	21.18	19.11	11.86	9.28	14.41	10.57	1.74	88.15
Total	68.30	53.21	36.78	29.78	42.04	33.37	3.34	266.84
Supply	1.00	2.00	0.00	22.00	64.00	36.00	29.00	154.00
Balance	-67.30	-51.21	-36.78	-7.22	+8.04	-3.37	+25.66	-112.84
1998								
Demand:								
a. Domestic	50.91	36.77	26.91	22.15	29.82	24.63	1.76	192.94
b. Industrial	22.32	20.14	12.50	9.78	15.19	11.20	0.85	91.98
Total	73.23	56.91	39.41	31.93	45.01	35.83	2.61	284.92
Supply	1.00	2.00	0.00	22.00	51.00	49.00	28.00	153.00
Balance	-72.23	-54.91	-39.41	-9.93	+6.01	+14.83	+25.39	-131.92
2003								
Demand:								
a. Domestic	54.71	39.44	28.91	23.80	32.00	26.45	1.89	207.20
b. Industrial	22.32	20.14	12.50	9.78	15.19	11.20	0.85	91.98
Total	77.03	59.58	41.41	33.58	47.19	37.65	2.74	299.18
Supply	1.00	2.00	0.00	22.00	55.00	46.00	23.00	149.00
Balance	-76.03	-57.58	-41.41	-11.58	+8.19	+9.65	+20.26	-150.18
2008								
Demand:								
a. Domestic	58.51	42.11	30.90	25.45	34.19	28.29	2.20	221.46
b. Industrial	22.32	20.14	12.50	9.78	15.19	11.20	0.85	91.98
Total	80.83	62.25	43.40	35.23	49.38	39.49	2.87	313.44
Supply	54.00	25.00	13.00	27.00	41.00	24.00	31.00	215.00
Balance	-26.83	-37.25	-30.40	-8.77	-8.38	-15.49	+28.13	-98.44
2013								
Demand:								
a. Domestic	62.31	44.78	32.90	27.10	36.38	30.12	2.16	235.73
b. Industrial	22.32	20.14	12.50	9.78	15.19	11.20	0.85	91.98
Total	84.63	64.92	45.40	36.88	51.57	41.32	3.01	327.71
Supply	63.00	38.00	24.00	32.00	53.00	32.00	54.00	296.0
Balance	-21.63	-26.92	-21.40	-4.88	+2.43	-9.32	-50.99	-31.71

Source: Forestry Master Plan Study, 1992.

Table 137 - Production, Consumption and Export of Newsprint

Year	Production (MT)	Export (MT)	Consumption (MT)
1976	20,060	4,940	15,120
1977	14,590	7,570	7,202
1978	27,490	29,330	6,160
1979	33,610	20,330	13,280
1980	38,070	21,410	16,660
1981	30,902	16,458	14,444
1982	44,004	10,542	25,309
1983	31,202	9,163	21,804
1984	37,764	13,984	31,988
1985	50,852	18,084	31,416
1986	55,100	16,022	37,963
1987	50,396	18,600	34,280
1988	49,859	13,899	35,136
1989	47,762	7,799	39,015
1990	50,465	4,674	46,456
1991	49,510	3,500	46,010

Source: MIS Department, BCIC, Dhaka.

Table 138 - Projection of Demand for Newsprint under Different Scenarios

(’000 MT)

Year	Considering Pop. growth	Considering Pop.+Lit. growth	Growth Rates	
			Population	Literacy
1991	49.51	-	-	25.32%
1993	53.47	55.70	1.86%	26.07%
1998	69.28	87.62	1.79%	29.84%
2003	85.14	114.22	1.64%	32.12%
2008	100.99	140.72	1.52%	34.07%
2013	116.85	167.41	1.41%	35.80%

Source: Estimates of Forestry Master Plan Study, 1992

Table 139 - Production Import and Consumption of White Paper

Year	Production (MT)	Import (MT)	Consumption (MT)
1976	41,940	4,300	46,240
1977	45,410	4,652	50,062
1978	30,510	6,730	37,240
1979	37,390	10,725	48,115
1980	35,095	5,000	40,905
1981	41,098	5,500	53,598
1982	49,996	5,600	55,596
1983	76,798	6,540	83,338
1984	71,236	3,000	74,236
1985	53,148	2,000	55,148
1986	57,900	7,000	64,900
1987	63,604	7,000	70,604
1988	48,141	10,000	58,141
1989	48,238	10,000	58,238
1990	50,367	10,836	61,203
1991	48,500	12,000	60,500

Source: MIS Department of BCIC, and Statistical Year Books of Bangladesh, 1991 BBS.

Table 140 - Demand Projection for White Paper and Newsprint as well as Pulpwood on the Assumption of Achieving 100% Literacy in 2008

	1991	1993	1998	2003	2008	2013
Literacy Rate Proposed	26%	40%	60%	85%	100%	100%
Demand for Paper and Newsprint	117.19	192.00	314	481	609	652
Pulp Wood Demand	279	430	646	915	1076	1292

Source: Estimates of Forestry Master Plan Study, 1992

Table 141 - Forest Materials and Labour Required for Constructing an Average Rural Housing in Bangladesh, 1976-77

1. Material Requirement: Components with area	Description	Quantities of materials
Floor 56 m ²	1. Earth/ Mud Bamboo Catcha	42.5 m ³ 1.2 tonnes
Wall 93 m ²	1. Bamboo Farming 2. Timber Framing + Bamboo Weaving	0.5 tonnes 1.4 m ³ 2.0 tonnes
Roof 84 m ²	1. Bamboo Framing 2. Timber Framing + Thatch/ Leaving	1.5 tonnes 1.3 m ³ 6.1 tonnes
2. Labour Requirement		
Type of House		
Kutcha	Gharami Carpenter Kamla	10 mandays 3 mandays 20 mandays
Semi-pucca	Carpenter Kamla Mason Jugali	30 mandays 30 mandays 5 mandays 5 mandays
Pucca	Carpenter Kamla Mason Jugali	5 mandays 30 mandays 40 mandays 40 mandays

Source: Rural Housing in Bangladesh, Housing and Environmental Research Cell, BUET, 1979

Table 142 - Quantities of Materials Used in Rural Houses Construction in Bangladesh, 1976-77

('000)

Materials	Unit	Regions						
		Coastal	Sylhet	Rajshahi	Khulna	Chittagong	Dhaka	Total
Bamboo	tonne	43	57	202	83	79	119	583
Timber	m ³	12	13	42	22	22	90	190
Thatch/ Leaves	tonne	0	1	2	1	1	1	6
C.I. Sheet	m ²	1487	1453	4016	1454	1104	7133	16647
Earth/ Mud	m ³	832	1042	3114	1383	999	3235	10605
Bricks	piece	6470	18250	103480	52310	35770	47730	264000
House Constructed		20.4	25.8	84.3	37.4	30.5	81.9	280.4

Source: Rural Housing in Bangladesh, Housing & Environmental Research Cell, BUET, Dhaka, 1979.

Table 143 - Distribution of Houses by Materials Used 1988

(Percent)

Roof	Wall Material				
	Wall Total	Straw, Bamboo	Mud, Unburnt brick	C.I.Sheet, Wood	Cement, Brick
National					
Straw, Bamboo	59.31	45.45	13.08	0.65	0.13
Tiles	2.37	0.50	1.45	0.20	0.22
C.I.Sheet, Wood	35.50	17.43	5.47	10.78	1.82
Cement	<u>2.82</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>2.82</u>
Total	100.00	63.38	20.00	11.63	4.99
Total Number of Houses	14785048	9370581	2957239	1718691	738537
Urban					
Straw, Bamboo	5.54	4.66	0.74	0.08	0.06
Tiles	0.38	0.14	0.12	0.05	0.07
C.I.Sheet, Wood	5.72	1.80	0.66	1.60	0.99
Cement	2.17	0.00	0.00	0.00	2.17
Total	<u>13.81</u>	<u>6.60</u>	<u>1.52</u>	<u>1.73</u>	<u>3.29</u>
Total Number of Houses	2041933	1075182	223856	255139	487766
Rural					
Straw, Bamboo	53.77	40.79	12.34	0.57	0.70
Tiles	1.99	0.36	1.33	0.16	0.15
C.I.Sheet, Wood	29.78	14.96	4.82	9.18	0.83
Cement	<u>0.65</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.65</u>
Total	86.19	56.78	18.48	9.90	1.70
Total Number of Houses	12743115	8295399	2733383	1463552	250771

Source: Statistical Yearbook of Bangladesh, 1989.

Note: Number of households was 14.78 million in 1988 census.

Table 144 - Annual Average Retail Prices of Selected Forest Products, 1978-79 to 1989-90

(Tk.)

Items	Unit	Prices						
		1978-79	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
Timber (Garjan) Beam 3"x3"	Cft.	74	197	242	249	278	308	370
Timber (Ctg. Teak) 1"x8" plank	Cft.	296	644	679	794	852	903	979
Bamboo (Borak) 30" long	Each	13.42	40	45	60	60	70	97
Firewood Dhaka	Quintal	68.83	162.79	192.40	204.56	217.23	252.18	313.64
Local best Ctg			100.31	128.60	129.81	123.35	147.75	161.07
Rajshahi			126.11	151.34	152.72	-	201.67	175.91
Khulna			94.39	129.76	163.89	181.68	179.42	194.05
Match-Box (40 sticks)	Each	0.30	0.38	0.54	0.59	0.50	0.64	0.89
Paper (Foolscap white)	Ream	55	120	116	114	116	144	175

Source: Statistical Pocket Book of Bangladesh, BBS, [1991].

Table 145 - Price List of Forest Products of Bangladesh
Forest Industries Development Corporation

Products	Prices (Tk) 1988	Factory name and location
1. Plywood (3 ply): 8'x 4' size (per m ²) a. 1/8" thickness b. 3/16" thickness c. 1/4" thickness	115 130 152	Sango Valley Timber Industries, Chittagong
2. Plain Woodtex: 8'x 4' size (per m ²) a. 3/4 thickness b. 3/8 thickness	178 130	Particle Board and Veneering Plant, Chittagong
3. Veneered Woodtex (3/4" thickness) 8'x 4' size (per m ²) a. Teak b. Champa c. Toon/ garjan/ civit	320 296 260 255	Particle Board and Veneering Plant, Chittagong
4. Veneered Woodtex (3/4" thickness) 8'x 4' size (per m ²) a. Teak b. Champa c. Toon/ garjan/ civit	278 255 213 195	Particle Board and Veneering Plant, Chittagong
5. Flush door (Honey comb): 1.5" thickness (per m ²) a. Teak b. Champa/ chapalish/ sikrasi c. Tali/ pitraj/ garjan	888 651 628	Chittagong Board Mills, Chittagong
6. Flush Door (Woodtex): 1.5" thickness (per m ²) a. Teak b. Champa/ chapalish	624 646	FIDCO Furniture Complex, Chittagong
7. Door-window frame (per m ³) a. Telsur, jarul, bandarhola etc. "A" type timber b. Garjan, pitraj, goda, tali, jam etc. "B" type timber	5059 7320 7212 4295 4521 5221	Cabinet Mfg. Plant, Khulna Cabinet Mfg. Plant, Chittagong Cabinet Mfg. Plant, Dhaka Cabinet Mfg. Plant, Khulna Cabinet Mfg. Plant, Chittagong Cabinet Mfg. Plant, Dhaka
8. Flush panel door-window 1.25" thickness (per m ²) a. Chapalish, champa, sikrasi etc. "A" type timber b. Tun, tali, badi, goda, garjan, etc. "B" type timber	775 1292 1292 678 969 1066	Cabinet Mfg. Plant, Khulna Cabinet Mfg. Plant, Chittagong Cabinet Mfg. Plant, Dhaka Cabinet Mfg. Plant, Khulna Cabinet Mfg. Plant, Chittagong Cabinet Mfg. Plant, Dhaka
9. Deep panel ** (frame-1.25" & panel-3/4") (per m ²) a. Gajer, jarul, telsur, etc. "A" type timber b. Chapalish, sikrasi, boilam etc. "B" type timber	753 1184 1184 538 861 969	Cabinet Mfg. Plant, Khulna Cabinet Mfg. Plant, Chittagong Cabinet Mfg. Plant, Dhaka Cabinet Mfg. Plant, Khulna Cabinet Mfg. Plant, Chittagong Cabinet Mfg. Plant, Dhaka

Source: Porichiti, Bangladesh Forest Industries Development Corporation, 1989.

Table 146 - Requirement of Poles by the REB for the Years from 1983-84 to 1999-2000

Year	Miles	Total No. of Poles	No. of Poles (Length-wise Class, feet)					
			25	30	35	40	45	50
1983-84	2200	52800	15840	11816	18480	5280	1531	53
1984-85	2500	60000	18000	13200	21000	6000	1740	60
1985-86	2870	74040	20664	15154	24108	6888	1998	69
1986-87	3085	76440	22212	16289	25914	7404	2147	75
1987-88	3185	84360	22932	16817	26754	7644	2217	76
1988-89	3515	96360	25308	18559	29526	8436	2446	84
1989-90	4015	103560	28908	21199	33726	9636	2798	96
1990-91	4315	103560	31068	22783	36246	10356	3003	104
1991-92	4315	103560	31068	22783	36246	10356	3003	104
1992-93	4315	103560	31068	22783	36246	10356	3003	104
1993-94	4315	103560	31068	22783	36246	10356	3003	104
1994-95	4315	103560	31068	22783	36246	10356	3003	104
1995-96	4915	117960	35388	25951	81286	11796	3421	118
1996-97	4915	117960	35388	25951	81286	11796	3421	118
1997-98	4915	117960	35388	25951	41286	11796	3421	118
1998-99	4915	117960	35388	25951	41286	11796	3421	118
1999-2000	5415	129960	38988	28591	45486	12996	3768	130
Total	68025	1632480	489744	359144	571368	163248	47341	1634

Source: BFIDC, Planning Department. REB, Procurement Department

Table 147 - Requirement of Anchor and Stabilizer Logs and Cross Arms for REB from 1983-84 to 2000

Year	Number of Anchor and Stabilizer Logs				Number of Cross Arms According to Size			
	3'-6"	6'-0"	8'-0"	Total	8'-0"	10'-0"	12'-0"	Total
1983-84	22704	2640	1056	26400	18480	792	528	19800
1984-85	25800	3000	1200	30000	21000	900	600	22500
1985-86	29618	3444	1378	34440	24108	1033	689	25830
1986-87	31837	3702	1481	37020	25914	1111	740	27765
1987-88	32869	3822	1529	38220	26754	1147	764	28665
1988-89	36275	4218	1687	42180	29526	1265	844	31635
1989-90	41435	4818	1927	48180	33726	1445	964	36135
1990-91	44531	5178	2071	51780	36246	1553	1036	38835
1991-92	44531	5178	2071	51780	36246	1553	1036	38835
1992-93	44531	5178	2071	51780	36246	1553	1036	38835
1993-94	44531	5178	2071	51780	36246	1552	1036	38835
1994-95	44531	5178	2071	51780	36246	1553	1036	38835
1995-96	50723	5898	2359	58980	41286	1769	1180	44235
1996-97	50723	5898	2359	58980	41286	1769	1180	44235
1997-98	50723	5898	2359	58980	41286	1769	1180	44235
1998-99	50723	5898	2359	58980	41286	1769	1180	44235
1999-2000	55883	6498	2599	64980	45486	1949	1300	48735
Total	701968	81624	32648	816240	571368	24483	16329	612180

Source: BFIDC, Planning Department. REB, Procurement Department

Table 148 - Requirement of Poles by the Power Development Board from 1984-85 to 1993-94

Year	Number of Poles Lengthwise					Total
	25'	30'	35'	40'	45'	
1984-85	5,000	10,000	-	-	-	15,000
1985-86	5,000	10,000	-	-	-	15,000
1986-87	5,000	10,000	-	-	-	15,000
1987-88	5,000	10,000	-	-	-	15,000
1988-89	5,000	10,000	-	-	-	15,000
1989-90	5,000	10,000	-	-	-	15,000
1990-91	5,000	10,000	-	-	-	15,000
1991-92	5,000	10,000	-	-	-	15,000
1992-93	5,000	10,000	-	-	-	15,000
1993-94	5,000	10,000	-	-	-	15,000

Source: BFIDC, Planning Department

Table 149 - Statement of Installed Capacity of Wood Treating Plants under BFIDC

Place of Installation	Installed Capacity of the Plant	Maximum yearly utilization in the past	Estimated capacity expected to be annually utilized for treating			Remarks
			Poles Nos.	Anchor Logs Nos.	Stabilizer Logs Nos.	
Kaptai	500,000 cft	80,000 cft	20,000	12,000	8,000 Nos	Remaining capacity will be utilized for other materials
Chittagong	600,000 cft	175,000 cft	25,000	15,000	10,000 Nos	
Khulna	270,000 cft	68,000 cft	10,000	6,000	4,000 Nos	

Source: BFIDC, Planning Department

Note: This estimate has been made in consideration of installed capacity, past performance and limitation in respect of irregular supply of electricity, flow or raw materials, weather conditions, supply of chemicals, management predicaments etc.

Table 150 - List of Selected Hardwood Species Suitable for Poles, Anchor Logs and Cross Arms

Forest Areas	Local Names	Symbol	Genus and Spp.	Fibre Stress (PSI)
1. Natural Forests of Cox's Bazar and C.H.Tracts Division (N)	1. Garjan	G,GB,GD	Dipterocarpus spp.	11,530
	2. Tali	TL.	Palaquium polyanthum	10,790
	3. Jam	JD,JM	Syzygium spp.	11,345
	4. Civit	C	Swintonia Floribonda	8,080
	5. Urium	U	Mangifera sylvatica	8,710
	6. Pitraj	P	Amoora rohituka W&A	9,405
2. Plantations of Cox's Bazar, C.H.T. (N&B) and Sylhet Forest Divisions	7. Teak	T	Tectona grandis	10,650
3. Sundarban Forest Division	8. Sundari	S	Heritera minor	11,735
	9. Kankra	KR	Brugiera gymnorrhiza	12,000

Source: BFIDC, Planning Department

Table 151 - Import of Wood and Wood-based Products (Major Group) in Bangladesh, 1977 to 1990

Commodity/Year	Unit	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
1. Paper and Paper Board	M.Ton Tk Million	14701 174.90	18245 211.60	18245 293.70	12276 198.56	14815 279.40	15563 332.80	8328 201.24	12091 282.00	7858 325.20	9634 431.64	10062 672.39	9340 521.38	23943 872.32	34088 1197.56
i) As Consumer Goods	M.Ton Tk Million	NA NA	NA NA	NA NA	8303 134.30	14474 272.97	14366 307.20	7476 180.65	11129 259.58	5540 229.27	5726 311.07	5120 513.67	5803 399.12	20107 683.71	31461 1069.81
ii) As Material for Consumer Goods	M.Ton Tk Million	NA NA	NA NA	NA NA	3973 64.26	341 6.43	1197 20.98	825 16.56	962 13.28	2318 95.93	3908 119.49	4942 155.39	3537 118.99	3836 188.61	2627 127.75
2. Wood Pulp and Fibrous Materials	M.Ton Tk Million	6226 62.70	6385 64.30	4942 54.30	7972 65.97	7371 77.42	7649 82.35	5079 50.79	314.30 478.13	41157 26278	26278 346.77	33970 541.31	17325 292.21	17546 384.00	21186 472.57
3. Cork and Wood in Rough	000 m3 Tk Million	NA 10.10	NA 1.10	NA 13.90	84.00 60.20	129.38 425.00	72.06 18.57	59.10 67.50	259.00 66.58	670.00 210.70	326.00 102.24	449.00 172.49	411.00 102.00	323.00 109.00	3936.00 742.76
Total	Tk Million	247.70	277.00	361.90	324.73	781.82	433.72	319.53	662.88	1014.03	880.65	1386.19	915.59	1365.32	2412.89

Table 152 - Export of Wood and Wood-based Products (Major Group) of Bangladesh, 1977-1990

Commodity/Year	Unit	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
1. Newsprint	M.Ton Tk Million	4980 17.84	7570 22.48	21300 88.15	20330 84.12	21410 88.59	16458 159.93	10542 104.02	9163 126.44	13984 212.58	18084 278.61	16022 230.03	18600 269.12	13899 241.57	7799 156.67	4674 92.71
2. Paper and Allied Products	M.Ton Tk Million	16.38	22.08	41.87	20.32	63.73	28.40	39.45	11.03	39.87	41.65	51.23	125.66	161.62	128.86	33.62
3. Wood and Article of Wood	M.Ton Tk Million	-	1.80	1.90	11.20	6.65	4.20	0.93	21.24	1.86	2.82	39.00	55.00	52.00	55.00	60.00
4. Bamboo/Broom	M.Ton Tk Million	1.87	3.57	4.13	5.74	5.68	20.20	23.37	20.49	28.47	17.96	11.89	12.29	3.24	8.46	5.00
Total	Tk Million	36.09	49.93	136.05	121.38	164.65	212.73	167.77	179.2	282.78	341.04	332.15	462.07	458.43	348.99	191.33

Source: Foreign Trade Statistics of Bangladesh, BBS, 1991 & 1992

Table 153 - Import and Export of Selected Wood Products of Bangladesh (1981-89)

(Tk million)

Commodities	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
Import									
Rubber Latex Natural	24.0	18.4	22.2	28.0	25.7	45	86.2	79.0	60.0
Rubber Latex	8.3	5.8	11.1	18.9	29.7	314	47.6	70.0	41.0
Cork Raw and Waste	0.2	0.4	0.1	0.1	-	0	0.2	-	-
Wood Other Rough	12.4	53.3	62.1	199.2	101.0	109.5	79.4	73.0	33.4
Wood Simply Worked	6.0	13.7	3.5	11.4	1.1	0.2	1.5	-	-
Paper Pulp and Waste	82.4	50.8	314.3	478.1	346.8	541.3	292.2	384.0	313.0
Cork Manufacturers	2.7	2.6	11.3	3.1	2.1	2.0	3.8	-	-
Veneer Plywood	5.0	2.9	4.8	3.2	8.5	4.8	6.8	-	-
Wood Manufactures	0.5	49.3	2.9	1.4	0.7	0.4	10.8	-	-
Paper and Paper Board	311.3	175.8	237.2	276.1	388.5	521.0	357.2	257.0	280.0
Paper Tissue	-	-	0.6	3.8	7.4	9.2	21.5	60.0	70.0
Hard Board All Sorts	-	34.0	163.0	24.1	28.3	32.2	54.2	118.0	85.0
Paper and Board Cut	21	26	45	49	43	151	164	37	296.0
Exercise Book	-	0	0	0	3	1	3	-	-
Stencils	-	4	5	3	2	3	1	-	-
Export									
Wood Other Rough	0.1	8.8	1.7	1.1	1.8	1.1	1.9	-	NA
Bamboo	19.8	19.6	24.3	15.2	10.0	3.5	1.8	1.6	NA
Wood/Timber	-	8.4	4.9	2.0	0.7	2	0.6	0.7	NA
Newsprint	120.2	97.9	160.4	219.7	217.8	232.4	218.3	136.1	NA
Paper	0.2	2.5	38.2	41.0	-	50.5	139.2	98.8	NA
Rayon	8.0	5.2	0.4	-	-	-	9.0	7.6	NA
Cellophane	0.5	1.1	-	-	-	-	-	-	NA
Hardboard	0.3	1.0	0.8	0.2	-	-	-	1.5	NA
Pulp	2.0	1.2	0.4	-	0.1	0.7	0.7	0.7	NA
Others	-	-	0.1	0.4	-	-	-	-	NA

Sources:

- i) Statistical Yearbook of Bangladesh, 1989.
- ii) Export Promotion Bureau, Bangladesh

Table 154 - Export of Non Wood Forest Products 1980-81 - 1989-90

(Tk million)

Items	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
Handicraft	56.35	57.38	58.34	58.29	49.32	57.36	121.26	116.16	124.76	NA
Basket work and Others	-	-	-	-	-	-	-	48.00	52.00	38.00
Medicinal plants and crude herbs	0.34	2.97	3.89	3.16	0.83	0.45	3.98	1.83	0.42	0.87
Bee Wax	0.95	1.10	2.23	1.50	0.58	1.64	1.92	1.51	-	-
Hukka-Nali	0.09	-	0.13	0.30	0.65	-	-	-	-	-
Agarwood and Agar Batti	0.28	0.64	0.22	-	-	0.90	-	-	-	-

Source: Export from Bangladesh, 1972-73 to 1988-89 Export Promotion Bureau, 1990. Statistical Year Book, BBS, 1991.

8. FOREST ADMINISTRATION

Table 155 - Revenue Income and Expenditure of Forest Department

Year	Revenue Income (Tk)	Expenditure (Tk)	Revenue Surplus/Deficit (Tk)
1980-81	282,097,005	46,063,256	236,033,749
1981-82	322,204,270	46,217,608	275,986,662
1982-83	302,622,389	56,646,518	245,975,871
1983-84	343,775,386	63,840,342	279,935,044
1984-85	455,653,956	79,892,727	375,761,229
1985-86	605,832,237	122,869,384	482,962,853
1986-87	524,101,734	127,080,097	397,021,637
1987-88	577,149,707	145,276,758	431,872,949
1988-89	606,036,780	148,025,544	458,011,236
1989-90	259,569,758	181,424,864	78,144,894
1990-91	193,627,567	198,160,713	(4,533,146)

Source: Accounts Section, Forest Department, 1992

Table 156 - Revenue Budget of Forest Department During 1987-88 to 1991-92 Account 158-Forest

(000 Taka)

Heads of Allocation/ Organisation	1987-88		1988-89		1989-90		1990-91		1991-92	
	Estimated	Revised	Estimated	Revised	Estimated	Revised	Estimated	Revised	Estimated	Revised
Head Quarter - Department of Forest	4,115	4,560	4,586	4,555	4,750	5,303	5,625	5,685	6,110	NA
Regional Offices (8) Circles, Divisions and Local Offices	94,625	106,645	106,900	109,305	112,648	129,692	137,576	145,183	149,178	NA
Forest Research Institute (FRI)	14,470	17,417	17,845	17,300	17,025	20,483	20,662	21,940	22,975	NA
Conservation and Civil Works	15,000	16,700	16,500	17,000	16,800	19,806	24,800	25,900	25,800	NA
Total	128,210	145,322	145,861	148,160	151,223	175,285	188,663	198,708	204,363	NA

Source: Ministry of Finance, Annual Budget Allocations (Revenue)

Table 157 - Budget Allocation and Actual Expenditure during, 1988-89 to 1991-92

	1988-89	1989-90	1990-91	1991-92	Total
Budget Allotment	148,160,000	183,819,000	198,708,000	204,486,000	735,550,000
Actual Expenditure	148,025,544	181,424,864	198,160,713	39,132,126 (Upto Dec,91)	566,743,247
Balance	1,34,456	23,94,136	5,47,287	-	1,302,293,247

Source: Account Section, Forest Department, 1992

Table 158 - Circlewise Statement of Actual Expenditure (Account 158-Forest)

Circles	Purpose	1988-89	1989-90	1990-91	1991-92	Total
Chittagong Circle	B	50,98,207	8,095,677	10,363,003	174,868	23,731,755
	C	19,748,476	25,908,093	29,602,081	6,489,682	81,748,332
Rangamati Circle	B	1,889,629	4,024,035	7,335,533	- 17,758	13,231,439
	C	20,388,788	23,561,279	28,178,629	6,538,815	78,667,511
Plantation Circle	B	6,239,985	8,240,624	7,216,843	1,055,696	22,753,148
	C	30,242,244	38,180,368	38,124,923	8,599,276	115,146,821
Central Circle	B	2,788,151	2,101,478	2,108,382	31,644	7,029,655
	C	25,382,586	29,455,113	26,329,474	5,852,145	87,019,318
M/Planting	B	3,65,976	390,086	706,178	30,044	1,492,282
	C	3,683,189	3,982,903	3,899,901	627,029	12,193,022
Bogra Circle	B	1,55,998	250,180	798,765	200	1,205,143
	C	5,088,682	5,910,984	5,760,673	1,280,656	18,040,995
Jessore Circle	B	45,615	54,943	44,995	-	145,553
	C	2,637,731	3,179,313	2,666,807	765,866	9,249,717
Botanical Garden	B	-	-	2,324,997	200,364	2,525,361
	C	-	-	2,944,458	643,816	3,588,274
Forest Department Training Centre	B	405,041	250,224	325,005	15,867	996,137
	C	1,614,588	1,933,102	2,149,992	317,333	6,015,015
Forest Research Institute	C	17,324,540	20,187,049	21,364,033	5,228,095	64,103,717
HQ (Direction)	B	118,833	93,290	99,324	9,000	320,447
	C	4,801,984	5,526,379	5,616,674	1,289,479	17,234,516
Total:		148,020,243	181,325,120	197,960,678	39,132,117	566,438,158

Source: Forest Department, Head Office, Dhaka

B - Conservancy
C - Establishment

Table 159 - Summary of Manpower of Forest Department, 1992

Class	Category of Personnel	Sanctioned strength			Actual in position			Vacant Position	
		Nor.	Dev.	Total	Nor.	Dev.	Total		
I	Chief Conservator of Forests	1	-	1	1	-	1	-	
	Deputy Chief Conservator of Forests	3	-	3	2	-	2	1	
	Conservator of Forests/ Director	7	5	12	7	2	9	3	
	Deputy Conservator of Forests	44	14	58	36	-	36	22	
	Sub-Divisional Forest Officer	7	-	7	7	-	7	-	
	Asst. Conservator of Forests	61	50	111	61	20	81	30	
	Senior Research Officer	1	2	3	1	-	1	2	
	Accounts Officer	1	4	5	-	3	3	2	
	Research Officer	4	4	8	3	3	6	2	
	Others	2	4	6	1	3	4	2	
Total of Class-I		131	83	214	119	31	150	64	
II	Administrative Officer	2	1	3	2	-	2	1	
	Asst. Accounts Officer	-	1	1	-	-	0	1	
	Others	4	-	4	4	-	4	-	
	Total of Class-II		6	2	8	6	0	6	2
III	Senior Forest Rangers	13	-	13	9	-	9	4	
	Forest Rangers	265	214	479	177	67	244	235	
	Deputy Rangers/ Forester	1,056	433	1,489	900	283	1,183	306	
	Forest Guards	2,063	593	2,656	1820	556	2,376	280	
	Others	906	350	1,256	875	295	1,170	86	
	Total of Class-III		4,303	1,590	5,893	3,781	1,201	4,982	911
IV	MLSS and Others	2,258	1,241	3,499	2,242	1,117	3,359	140	
	Total of Class-IV		2,258	1,241	3,499	2,242	1,117	3,359	140
	Grand Total		6,698	2,916	9,614	6,148	2,349	8,497	1,117

Source: Forest Department

Table 160 - Research Stations of Bangladesh Forest Research Institute, 1990

Name of the Divisions and Stations	Number of trial experiment	Total research nursery area (ha)	Total research plantation area (ha)	Existing number of	
				Officer	Staff
SEED ORCHARD DIVISION					
1. Ukhia, Cox's Bazar	8	1.62	44.93	1	11
2. Dulahazra, Cox's Bazar	10	2.63	53.03	1	13
3. Hyanko, Chittagong	15	1.59	83.80	1	11
4. Ichamati, Chittagong	7	1.62	57.90	1	11
5. Kaptai, Rangamati HT	15	1.82	51.81	0	11
6. Borshijura, Sylhet	13	4.05	74.50	2	12
7. Salna, Dhaka	7	2.02	22.27	2	13
8. Bagaihat, Rangamati HT	1	0.50	4.05	0	0
Subtotal	76	15.85	392.29	8	82
MINOR FOREST PRODUCTS DIVISION					
1. Dhoom, Chittagong	19	10.00	4.00	0	2
Subtotal	19	10.00	4.00	0	2
SILVICULTURAL RESEARCH DIVISION					
1. Keochia, Bandarban	48	0.82	400.02	1	18
2. Lawachara, Sreemongal	22	-	37.90	0	9
3. Charaljani, Tangail	26	-	3.20	1	13
4. Charkhai, Dinajpur	19	-	20.00	0	9
NURSERY STATION UNDER HQ					
a. Hathazari, Chittagong	20	-	-	0	34
b. Raikhali, Chittagong	10	-	-	-	-
c. Shitakunda, Chittagong	36	-	-	-	-
d. Chittagong University Campus	11	-	-	-	-
Subtotal	192	0.82	461.12	2	83
Grand Total	287	26.67	857.41	10	167

Source: Bangladesh Forest Research Institute, 1990.

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