Annual Report
2012-2013

BANGLADESH POWER DEVELOPMENT BOARD

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VISION STATEMENT

Bangladesh Power Development Board's vision is to provide quality and reliable electricity to the people of Bangladesh for desired economic, social and human development of the country undertaking institutional and structural reforms leading to the creation of an organisation of international standard.

MISSION STATEMENT

- To deliver quality electricity at reasonable and affordable prices with professional service excellence.
- To make electricity available to all citizens on demand by the year 2021.
- To provide specialized skilled services in operation & maintenance with outstanding performance in Generation, Transmission and Distribution for promoting competition among various power-sector entities.
- To follow international standard and adopt modern technology and practices in power generation and distribution activities.
- To ensure improved & satisfactory services to the consumers.
- To develop new mindset for all of its employees congruent with the corporate culture.
- To reach self sufficiency by increasing of its income and reduction of expenditure through efficiency improvement and diversification of activities.

From the desk of Chairman

Bangladesh Power Development Board one of the successful government organisations that contributed significantly in the economic growth and social development of the country by increasing power generation in the last couple of years.

This is a matter of great pleasure for me to present the Annual Report of Bangladesh Power Development Board (BPDB) the leading organization of power sector of Bangladesh, for the Financial Year 2012-2013. The report depicts current scenario of BPDB including generation, transmission, distribution, planning & development, financial and organisational sides.

During the FY 2012-2013 remarkable progress was made in most areas of BPDB activities. 490 MW new generation capacity was added to national grid raising the total generation capacity to 8537 MW from 8100 MW. The highest peak generation was 6434 MW and the total energy generation was 38,229 GWh which is 6.07% and 8.86% higher than the previous year respectively. In 2013 we also achieved the milestone of 10,000 MW installed generation capacity.

In the said fiscal year retail sales of BPDB's distribution zone was 7,693 MkWh, which was 7.63% higher than the previous year. Distribution system loss of BPDB's own zones reduced to 11.95% from 12.15% of the previous year. In FY 2012-2013 per capita generation and consumption also increased to 249 kWh & 213 kWh from 232 kWh & 198 kWh respectively of previous year. Despite of increasing electricity demand average load shedding reduced significantly during this fiscal year .

It may be mentioned that since January 2009, about 5000 MW capacity was added to the national grid. Besides, to mitigate the demand-supply gap BPDB prepared a realistic plan for the year 2013 to 2018 for addition of about 11,500 MW generation capacity. Out of that, 32 power generation projects of capacity 6420 MW are now under construction.

During the period under report, expansion of Computerized Billing, Renewable Energy Development, Bill-pay through Mobile Phone, Energy Efficiency Measures and need based Training etc. continued. For providing better consumer service BPDB has also expanded 'Online Application' method and to ensure discipline in distribution system Supervisory Control & Data Acquisition (SCADA) has been introduced in distribution zones.

BPDB is committed to materialize the vision and mission of the organisation. Now we are on the right track to achieve the goal of providing quality and reliable electricity to all citizen of the country by 2021.

I hope this annual report would provide helpful information to all interested in power sector.

Ruhullah

Md. Abduhu Ruhullah
Chairman
Bangladesh Power Development Board

Hon'ble Prime Minister Sheikh Hasina offering prayer after the inauguration of Bera 70 MW Power Station.

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Present Board

(15 January, 2014)

Md. Abduhu Ruhullah
Chairman

Saraf Uddin Ahmed
Member (Administration)

Md. Azizul Islam
Member (Finance)

Tamal Chakraborty
Member (Company Affairs)

Swapan Kumar Saha
Member (Distribution)

Jalal Uddin Ahmed Choudhury
Member (Generation)

About BPDB

Bangladesh Power Development Board (BPDB) is a statutory body created in May 1, 1972 by Presidential Order No. 59 after bifurcation of erstwhile Bangladesh Water and Power Development Authority. BPDB had started its operation with generation capacity of only 180 MW. In its 41 years service, the generation capacity of the country increased to over 8500 MW at the end of the FY 2012-2013.

As part of reform and restructuring, transmission was vertically separated as a subsidiary of BPDB and distribution was horizontally separated to create new distribution entities in capital city (DPDC & DESCO) and rural areas (REB). Further, a number of generation and urban distribution companies were created as a subsidiary of BPDB. The subsidiaries of BPDB are:

- Ashugongj Power Station Company Ltd. (APSCL)
- Electricity Generation Company of Banglades Ltd. (EGCB)
- North West Power Generation Company Ltd. (NWPGCL)
- Power Grid Company of Bangladesh (PGCB)
- West Zone Power Distribution Company Ltd. (WZPDCL)

BPDB is under the Power Division of the Ministry of Power, Energy and Mineral Resources, Government of Bangladesh. Key responsibilities of the Board are:

- Generation of electricity from its own Power Plants
- Power purchase from Public & Private Generation companies as a single buyer
- Bulk sales of electricity to Utilities as a single buyer.
- Retail sales of electricity within its 6 Distribution Zones.
- Preparation of Generation and Distribution Expansion Plan.
- Implementation of Generation & Distribution Projects as approved by the Government.

BPDB prepared generation expansion plan to add about 11,000 MW by 2018 and about 24000 MW by 2021 with the aim to provide quality and reliable electricity to the all people across the country for desired economic growth and social development. BPDB also prepared distribution expansion plan to keep pace with the growing demand.

During the Financial Year under report (2012-13) Chairman and Members of the Board:

Chairman

Mr. A S M Alamgir Kabir (Upto July 31, 2012)

Mr. Md. Abdul Wahab Khan (From July 31, 2012)

Member (Administration)

Mr. Md. Humayun Kabir Khan

Member (Finance)

Mr. Md. Fazlul Hoque

Member (Generation)

Mr. Tamal Chakraborti

Member (Distribution)

Mr. Md. Abdul Wahab Khan (Upto July 30, 2012)

Mr. Md. Abu Taher (From September 2, 2012)

Member (Planning & Development)

Mr. Md. Abduhu Ruhullah

Member (Company Affairs)

Mr. Md. Abul Quasem (Upto March 31, 2013)

Mr. Tamal Chakraborti (From April 1, 2013 to May 21, '13)

Mr. Jalal Uddin Ahmed Choudhury (From May 22, 2013)

HIGHLIGHTS

Power sector witnessed significant progress in power generation in the fiscal year 2012-13. During this fiscal year, 490 MW new capacity added from the newly installed power plants which raised the total generation capacity to 8537 MW from 8100 MW and annual increment of generation capacity was 5.40%. Out of this new capacity addition, BPDB installed 340MW (including contracted capacity of IPPs) and the remaining 150 MW was installed by NWPGCL. The highest peak power generation was 6434 MW and the total energy generation was 38,229 GWh which was 6.07% and 8.86% higher than the previous year respectively. Despite increasing electricity demand, average load shedding came down at a tolerable limit.

Due to gas shortage and inadequate new generation addition in the few years back, demand of electricity outpaced generation capacity caused persistent load shedding. In order to mitigate the demand-supply gap, an aggressive plan had prepared by the Government for new generation addition. As part of the plan, 32 power generation projects of capacity 6420 MW are now under construction. The plan envisages 11,000 MW new generation addition by 2018.

Gas supply for power generation remained almost same as the previous years, power generation from liquid fuel based power plants increased to 17% caused higher cost in power generation.

In this fiscal year, BPDB sold bulk energy of 35,466 GWh to the distribution utilities including BPD Zones as single buyer and retail sales of BPDB's six distribution zones was 7,693 MkWh, which was 9.32% and 7.63% higher than the previous year respectively. Distribution system loss of BPDB's six zones came down to 11.95% from 12.15% of previous year. Collection/Import (C/I) ratio increased to 83.55% from 83.50%. Per capita grid electricity generation and consumption increased to 249 kWh & 213 kWh from 232 kWh & 198 kWh respectively of previous year.

The net operating loss in the FY 2012-13 decreased to 50.44 Billion Taka from 66.93 Billion Taka of previous year. The rate of return on the revalued fixed assets stood 19.12% which was 25.12% in previous year. Provided that the net operating loss increased from the previous year mainly due to increased liquid fuel generation together with substantial fuel price hike in phases over the period.

KEY STATISTICS

Sl. No.	Particulars	Year 2011-12	Year 2012-13	% Change Over The Previous Year
1	**Generation Capacity of Power Plants as of June (MW)**			
	a) Public Sector			
	i) BPDB	3,437	3700	7.65
	ii) APSCL	682	682	0.00
	iii) EGCB	210	210	0.00
	iv) RPCL	0	77	
	v) NWPGCL	0	150	
	b) Private Sector			
	i) IPP/SIPP	1,396	1,396	0.00
	ii) Rental	2,149	2096	-2.47
	c) REB (for PBS's only)	226	226	0.00
	d) System Total Generation Capacity (MW)	8,100	8,537	5.40
2	Maximum Peak Generation (MW)	6,066	6,434	6.07
3	Maximum Peak Demand (MW)	7,518	8,349	11.05
4	**a) Net Energy generation (GWh)**			
	i) Public Sectors	15,201	17,994	18.38
	ii) Private Sectors (IPP, SIPP, & Rental)	18,196	18,488	1.60
	iii) Total Generation (In account of Single Buyer)	33,397	36,482	9.24
	b) REB (for PBS's only)	1,721	1747	1.52
	c) System Total Generation (GWh)	35,118	38,229	8.86
5	Per Unit Generation Cost in Public & Private (Tk/kWh)	5.60	5.73	8.02
6	a) Fuel Cost for Thermal Plants in Public Sector (MTk)	28,571	37,266	30.43
	b) Per Unit fuel Cost for tharmal Plants (Tk/kWh)	1.87	1.96	4.81
7	Annual Plant Factor of Public Sector's Power Plants (%)	42.22	44.78	6.06
8	System load factor (%)	62.85	64.73	2.99
9	BPDB's Commercial Activities as Single Buyer :			
	a) Bulk Sales Unit to Utilities (GWh)	32,443	35,466	9.32
	b) Bulk Billing Amount (MTk)	111,843	161,732	44.61
	c) Bulk Collection Amount (MTk)	103,236	151,675	46.92
	d) Accounts Receivables to Utilities (MTk)	56,906	68,766	20.84
10	Transmission Loss (%)	3.22	3.11	-3.42
11	Ave. Bulk Electricity Supply cost Taka/kWh	5.36	5.94	11.59
12	BPDB's Commercial Activities within Distribution Zones :			
	a) Energy Imports for Retail Sale (MkWh)	8,136	8,737	7.38
	b) Retail Sales Unit (MkWh)	7,148	7,693	7.63
	c) Retail Billing Amount (MTk)	31,411	42,749	36.10
	d) Retail Collection Amount (MTk)	29,852	40,564	35.88
	e) Accounts Receivables to Retail Consumers (MTk)	6,993	9,221	31.86
	f) Collection/Bill Ratio (%)	95.04	94.89	-0.16
	g) Collection/Import Ratio (%)	83.50	83.55	0.06
	h) Distribution System loss (%)	12.15	11.95	-1.65
13	Transmission & Distribution (T & D) System Loss (%) (national)	14.65	14.36	-1.98
14	Total Number of Consumers of BPDB (Nos.)	2,432,055	2,654,019	9.13
15	Total Population in the Country (Million)	152	154	1.32
16	Per capita generation (kWh)	232	249	7.44
17	Per Capita Consumption (kWh)	198	213	7.65
18	Net profit/(loss) (MTk)	(66,930)	(50,440)	-24.64
19	Rate of return on net fixed asset (%)	(25.12)	(19.12)	-23.89

Note : Maximum Demand is shown as per power system master plan 2010.

A review meeting on progress of implementation of power generation projects chaired by Adviser to the Hon'ble Prime Minister Dr. Tawfiq-e-Elahi Chowdhury BB.

Secretary, Power Division Mr. Monowar Islam and PDB Officials visiting the construction site of Bibiyana Power Plants.

Chapter-1





Overview on BPDB Operations

GENERATION

Electricity Demend

Demand of electricity is increasing rapidly due to enhanced economic activities in the country with sustained GDP growth. At present, growth of demand is about 10% which is expected to be more in coming years. The maximum demand in this fiscal year was 8,349 MW (as per PSMP-2010).

Load Factor and Load Management

Demand of electricity in the system varies throughout the day and night. The maximum demand is occurred during 5 pm to 11 pm which is termed as 'peak hour' and other part of the time is termed as off-peak hour. The extent of this variation is measured in terms of Load Factor, which is the ratio of average and maximum demand. For economic reasons, it is desirable to have a higher Load Factor, as this would permit better utilization of plant capacity. Moreover, the cost of energy supply during peak hour is higher, because some relatively costlier power plants are required to put in operation during the peak hour. For these reasons, load management is essential throughout the year for better capacity utilization of power plants and minimum generation cost.

There are some loads in the system which can be avoided or minimized by consumers during peak hour. In order to shift these kinds of loads from peak hour to off-peak hour by introducing some mechanism is termed as load management. From the view point of load management

(i) two-part tariff is introduced for 3-phase consumers (LT & HT) where peak hour price is much higher than the off-peak hour that motivates consumers to avoid or use less in the peak hour; (ii) Market & Shopping malls are kept close after 8.00 PM; (iii) holiday staggering is implemented to keep industries, markets & shopping malls close on area basis holiday marked day; (iv) consumers are encouraged to use energy efficient bulb, electric appliances, pumps, etc; (v) consumers are encouraged to keep their air-conditioner's temperature at 25 degree and so on. These measures also minimize load-shedding across the country.

It is to be mentioned that BPDB already been installed 48,281 numbers of two-part tariff programmable meters up to the FY 2013. Out of these, 44,809 numbers for LT (Low Tension) consumers and 3472 numbers for HT (High Tension) consumers.

Generation Capacity

Total generation capacity was 8,537 MW which includes 1297 MW IPP, 2195 MW SIPP/Rental Power Plant & 226 MW in REB (for PBS). The maximum peak generation was 6,434 MW which was 6.07% higher than that in the previous year. The reasons for lower peak generation with respect to generation capacity were: (i) some plants are out of operation for maintenance, rehabilitation & overhauling (ii) capacity of some plants derated due to aging and (iii) gas shortage. The Generation Capacity mix is shown below:

Generation Capacity by Plant & Fuel Type

By type of plant		By type of fuel	
Hydro	220 MW (2.58%)	Gas	5730 MW (67.12%)
Steam Turbine	2193 MW (25.69%)	Furnace Oil	1876 MW (21.97%)
Gas Turbine	1295 MW (15.17 %)	Diesel	511 MW (5.99%)
Combined Cycle	1455 MW (17.04 %)	Hydro	220 MW (2.58 %)
Reciprocating Engine	3374 MW (39.52 %)	Coal	200 MW (2.34%)
TOTAL	**8,537 MW (100 %)**	**TOTAL**	**8,537 MW (100%)**

Energy Generation

Total net energy generation (excluding REB) in FY 2013 was 36,482 GWh, which was about 9.24% higher than previous year's net generation of 33,397 GWh. Net energy generation in the public sector was 17,994 GWh and 18,488 GWh in the private sector.

Total net energy generated in public and private sector power plants (excluding REB) by type of fuel are as follows:

Hydro	894 GWh (2.45%)
Natural Gas	28,119 GWh (77.08%)
Furnace Oil	5,568 GWh (15.26%)
Diesel	745 GWh (2.04%)
Coal	1,156 GWh (3.17%)
Total	**36,482 GWh (100%)**

Signing of contract for construction of Shahjibazar 330 MW Combined Cycle Power Plant between BPDB and Guangdong Power Engineering & Guangdong Electric Power Design Institute.

Plant Efficiency and Maintenance

The overall thermal efficiency (Net) of the public sector power plants in FY 2013 was 33 %, higher than previous year's of 32 % efficiency.

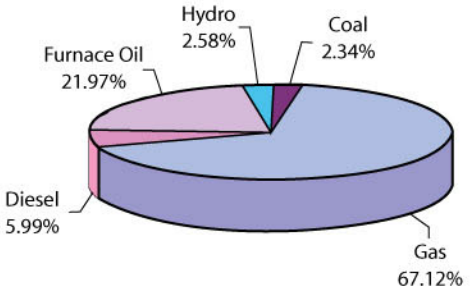
Three years maintenance plan has been prepared at the beginning of FY 2013 to improve overall thermal efficiency. Below is the list of major power plants under maintenance in the year under review:

MAINTENANCE OF POWER PLANTS IN FY 2012-13

Sl. no.	Name of Power Station	Present Capacity (MW)	Type of Maint. (HGPI/MI/OH)	Duration of Maintenance	
				Starting Date	Completion Date
1.	Ghorashal ST unit-2	55	Rehabilitation	26-04-2010	14-01-2013
	Ghorashal ST unit-3	170	Turbine Maint.	27-03-2013	21-04-2013
	Ghorashal ST unit-4	180	Boiler, Turbine, Generator Maint.	21-11-2012	10-02-2013
	Ghorashal ST unit-5	190	Generator Maint.	29-11-2013	30-01-2013
2.	Kaptai Hydro Unit-3	50	Rehabilitation	01-12-2010	23-12-2012
3.	Fenchugonj CCPP GT Unit-1	30	Major Inspection	15-02-2013	31-03-2013
4.	Tongi GT	105	Generator Maint.	31-03-2013	07-05-2013
5.	Haripur GT Unit-2	20	HGPI	15-09-2012	13-10-2012
6.	Bheramara GT Unit-1	16	Generator Rotor Repair	30-03-2013	21-05-2013
	Bheramara GT Unit-3	16	HGPI	27-05-2013	27-07-2013
7.	Rangpur GT	20	Generator Overhauling	06-01-2013	31-01-2013
8.	Saidpur GT	20	HGPI	09-12-2012	24-01-2013
9.	Sylhet GT	20	Generator Overhauling	18-01-2013	03-03-2013
10.	Ashuganj CCPP Unit-1	35	HGPI	01-07-2013	29-08-2013
11.	Ashuganj CCPP Unit-1	40	HGPI	13-09-2012	14-11-2012

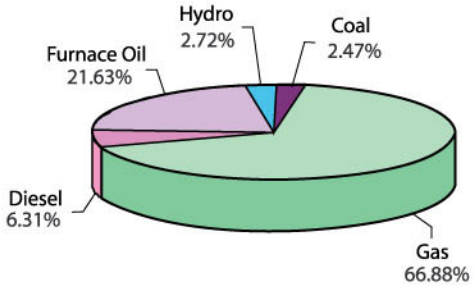
GENERATION CAPACITY (NATIONAL) BY FUEL TYPE WITH COMPARISON

FY 2013



Total : 8537 MW

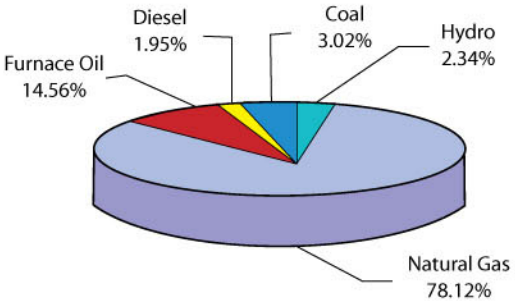
FY 2012



Total : 8100 MW

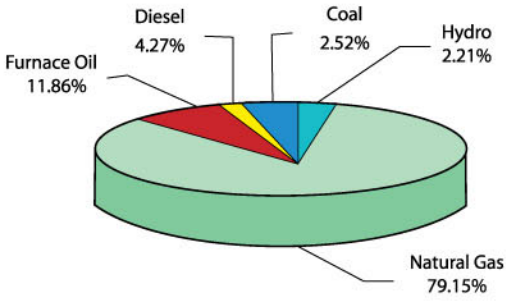
GENERATION (NATIONAL) BY FUEL

FY 2013



Total Net Generation : 38,229 MkWh

FY 2012



Total Net Generation : 35,118 MkWh

TRANSMISSION

Transmission Line

During FY 2012-13, two important 230 kV double circuit lines is constructed & energized and thus surplus power of Sylhet area is now easily evacuating. The line details are as below:

Sl. No.	Transmission Line	Conductor Name & Size	Length (Circuit km.)
1.	Fenchuganj-Bibiyana 230 KV	Twin Mallard (2x795 MCM)	66
2.	Bibiyana-Comilla (N) 230 kV	Twin Mallard (2x795 MCM)	306
		Total	**372**

Total length of 230 kV transmission line increased to 3020 circuit km from the previous year of 2648 circuit km. But the total length of 132 kV transmission line remained same as the previous year of 6148 circuit km.

Grid Substations

In this fiscal year, one number of 230/132 kV, 1x300 MVA sub-station is installed at Fenchuganj. So the total capacity of 230/132 kV sub-stations increased to 7525 MVA from the previous year of 7225 MVA.
But the total number of 132/33 kV substation is same as the previous year. However, MVA capacity in some 132/33 kV sub-stations is enhanced in FY 2012-13. Thus the total capacity of 132/33 kV substations increased to 11792 MVA as of June 2013 from the previous year of 11157 MVA.

Transmission Summary

1.	230 kV Transmission Line (Circuit km)	3020
2.	132 kV Transmission Line (Circuit km)	6,148
	Total Transmission Line (Circuit km)	**9,168**
3.	No. of 230/132 kV Sub-Station	16
4.	No. of 132/33 kV Sub-Station	103
	Total no. of Sub-station	**119**
5.	230/132 kV Sub-Station Capacity (MVA)	7,525
6.	132/33 kV Sub-Station Capacity (MVA)	11,792
	Total Sub-station Capacity (MVA)	**19,317**
7.	Transmission Loss (%)	3.11 %

Grid System operation

In FY 2013, total duration of Power interruption in the grid network was 14 hours 32 minutes.

INTERRUPTION OF NATIONAL GRID FOR FY 2012 & FY 2013

Sl. no.	Type of Fault	Total Number of Faults		Total Duration	
		FY 2012	FY 2013	FY 2012 Hours/ Minutes	FY 2013 Hours/ Minutes
1.	Partial Power failure due to trouble in generation	71	85	05/19	06/44
2.	Partial Power failure due to trouble in grid S/S Equipment	04	04	27/52	04/53
3.	Partial Power failure due to fault in transmission line	00	00	00/00	00/00
4.	Partial Power failure due to the lightning on transmission line/Thunder Storm	01	01	00/39	02/42
5.	Partial Grid failure	04	01	06/18	00/13
6.	Total Grid failure	00	00	00/00	00/00
	Total	**80**	**91**	**40/08**	**14/32**

BULK ELECTRICITY SALES BY BPDB

BPDB has been functioning as a single buyer in the power market of Bangladesh. BPDB purchases electricity from the public and private generation entities and sales bulk electricity to all the distribution utilities including its six distribution zones. Distribution entities purchases electricity from BPDB are as follows:

- Dhaka Power Distribution Company (DPDC)
- Dhaka Electric Supply Company (DESCO)
- West Zone Power Distribution Company Limited (WZPDCL)
- Rural Electrification Board (REB)
- BPDB's six distribution zones

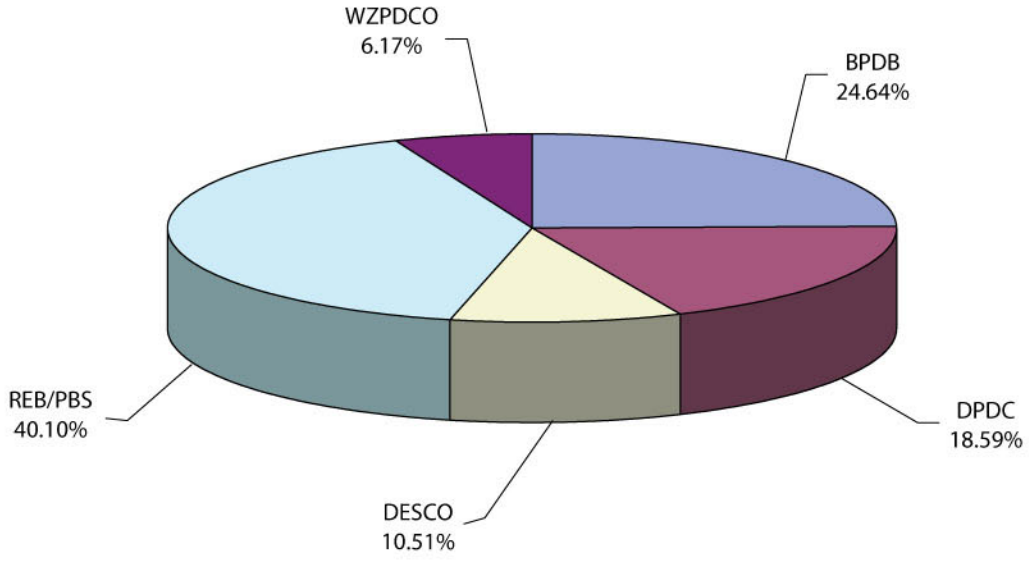
In FY 2013 bulk electricity sales to the distribution utilities increased to 35466 MkWh from 32443 MkWh which is 9.32 % higher than the previous year. Total revenue collection also increased to 1,51,711 MTk from 1,02,242 MTk which was 48.38% higher than the previous year.

Utility Wise Bulk Energy Sales by BPDB as Single Buyer

In GWh

Year	BPDB zones	DPDC	DESCO	WZPDCL	REB	Total
2004-05	5,993.05	5,134.77	1,843.13	388.57	7038.65	20398.18
2005-06	5,180.25	5,315.76	2,030.00	1372.78	8062.43	21961.22
2006-07	5,305.32	5,243.00	2,190.69	1281.95	8039.93	22060.89
2007-08	5,625.61	5,203.95	2,573.77	1375.23	8654.85	23433.41
2008-09	6,042.25	5,448.81	2,742.55	1490.63	9032.27	24756.51
2009-10	6,744.27	5,749.39	2,933.72	1673.44	9525.30	26626.12
2010-11	7,337.87	5,964.05	3,122.74	1842.52	10359.41	28626.59
2011-12	8,136.45	6,340.32	3,400.99	2028.93	12536.76	32443.45
2012-13	8,737.27	6,593.22	3,726.31	2187.12	14221.79	35465.72

Utility Wise Bulk Sales (FY 2012-13)



Total Sales : 35,466 MkWh

Utility Wise Billing & Collection Statistics of BPDB

Name of Utility	Billed Amount (Million Tk)		Collected Amount (Million Tk)		Accounts Receivable (Million Tk)		% increase over the previous year	Coll/Bill Ratio (%)	
	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13		2011-12	2012-13
BPDB's Dist. Zones(in/c PS & GK)	31410.67	42749.45	29852.43	40564.20	6992.97	9220.58	31.85	95.04	94.89
WZPDCL	6542.42	9398.90	5998.98	9003.08	1666.26	1881.29	12.90	91.69	95.79
DPDC	24242.98	34126.40	20994.97	32300.61	35088.35	38926.50	10.94	86.60	94.65
DESCO	12249.37	19539.79	12218.50	18564.63	4463.50	5378.63	20.50	91.58	95.01
REB/PBS's	37398.01	55917.21	34171.09	51242.20	8694.44	13358.93	53.65	91.37	91.64
TOTAL	**111843.45**	**161731.75**	**103235.96**	**151674.72**	**56905.52**	**68765.93**	**20.84**	**91.41**	**93.80**

Contract signing between BPDB and Schneider Electric Sweden for construction of 6 (six) 33/11 kv Sub-station under 10 Town Project.

DISTRIBUTION

BPDB has been functioning as a retail seller of electricity within its following six distributions zones:

- Distribution zone, Chittagong
- Distribution zone, Mymenshing
- Distribution zone, Rajshahi
- Distribution zone, Comilla
- Distribution zone, Sylhet
- Distribution zone, Rangpur

Distribution network

In the FY 2013, BPDB has renovated & extended about 1500 km distribution lines as a part of continuous improvement of the system. BPDB covers electrification in 273 thanas/upozillas and 5,694 villages within its six distribution zones up to the end of this fiscal year. The distribution networks possess:

33 kv line	3728 km
11 kv line	13128 km
0.4 kv line	21839 km
33/11 kv sub-station	158 nos.
Total capacity of 33/11 kv sub-station	**3205/3993 MVA**

A meeting between BPDB and JICA to review the progress of central zone power distribution project.

Number of consumers

During this fiscal year, BPDB has provided total 2,21,964 new connections and the total number of consumers has been increased to 26,54,019 and the annual increment was 9.13%.

Distribution system loss

BPDB's distribution zones imported 8737 MkWh energy from the single buyer for retail sale in its six zones and sold 7693 MkWh to the consumers in the FY 2013 that results 11.95% distribution system loss which was 12.15% in FY 2012.

Customer's service & satisfaction

BPDB has introduced following services for customer satisfaction:

- Computerized billing
- One stop service
- Pre payment metering
- Demand side management
- Easy bill pay
- On line application
- SCADA

Computerized billing

BPDB has brought sent percent consumers in computerized billing system in its six distribution zones. Each computerized bill shows present month's billing amount along with previous month's payment and arrear status for consumers' acknowledgement. It improves billing system, revenue collection, decreases system loss and ensures better service to the consumers than the previous manual one.

Easy bill pay

BPDB has introduced easy bill pay system through mobile phone in its six distribution zones. Consumers can pay their electricity bill through prescribed mobile phone operator round the clock even in holidays. Zone wise mobile phone operators are as follows:

Name of Zone	Mobile Phone Operator
Chittagong	Grameen phone
Mymensingh	Banglalink
Rajshahi	Grameen phone
Comilla	Robi
Sylhet	Grameen phone
Rangpur	Banglalink

A Prepaid Vending Center at Chittagong.

One stop service

BPDB has introduced one stop service in each S&D division/ESU in order to provide hassle free service for its consumers. Every S&D division/ESU has one designated desk for one stop service. Any consumer can lodge his complaint on that desk and the officer-in-charge is empowered to do all necessary things in order to address the complaint.

On line application

BPDB has introduced on line application facilities for new connection on test basis in distribution zone, chittagong. Any applicant can apply round the clock for new connection of his house, shop, industry, etc. from the website of distribution zone, BPDB, chittagong. BPDB also has a plan to develop similar facilities in its other distribution zones depending on the responsiveness of consumers of chittagong zonal area.

Pre-payment metering

About 46,000 nos. prepayment meters have been installed at the premises of different categories consumers in demarcated areas in Chittagong, Sylhet, Bogra & Sirajgonj through Pilot Project. They provide more advantages in sales performance than the traditional metering. The main advantages are:

- Assures 100% revenue collection and zero accounts receivable.
- Prevents using excess than sanctioned load by the consumer.
- Prevents electricity pilferage after meter.
- Provides hassle free service in billing/collection process, such as, inaccurate meter reading, fictitious billing etc.

SCADA

Supervisory Control And Data Acquisition (SCADA) has started functioning within the five zones of BPDB (Chittagong, Sylhet, Mymenshing, Rajshahi & Rangpur) for system control and data acquisition of the distribution system/networks under it from one point of each zone through microwave link. Provided that 34 sub-stations within Chittagong zone, 18 sub-stations within Sylhet zone, 17 sub-stations within Mymenshing zone, 32 sub-stations within Rajshahi zone and 14 sub-stations within Rangpur zone are connected under the SCADA of respective zone. BPDB also has a plan to


SCADA Center at Chittagong

set up one SCADA in Dhaka to monitor/controll all SCADA of BPDB centrally. Key functions of SCADA are:

- Supervising/Monitoring the networks under it continuously on its computer monitors round the clock and controls the power supply of the networks from the supervisors desk as and when necessary in a systematic manner as directed by the authority concerned.
- Data acquisition and recording of power flow/supply status through each circuit of the entire networks on hourly basis round the clock for reporting to authorities concerned and analyzing demand, power factor & other necessary elements of each circuit for system management within the SCADA in an smart manner.
- Preparing and reporting daily and monthly power supply, demand, load shedding, line shut-down, etc. of each circuit of the networks under it to authorities concerned for system planning.
- Preparing power supply, demand, load shedding, line shut-down, etc. report for any specified span of time as wanted by the authorities concerned for system planning.
- Load management matching with the power generation as per instructions of NLDC or authority concerned in order to keep the overall system healthy.
- Appraising all important information regarding system to the authorities concerned as and when required.

Demand side management

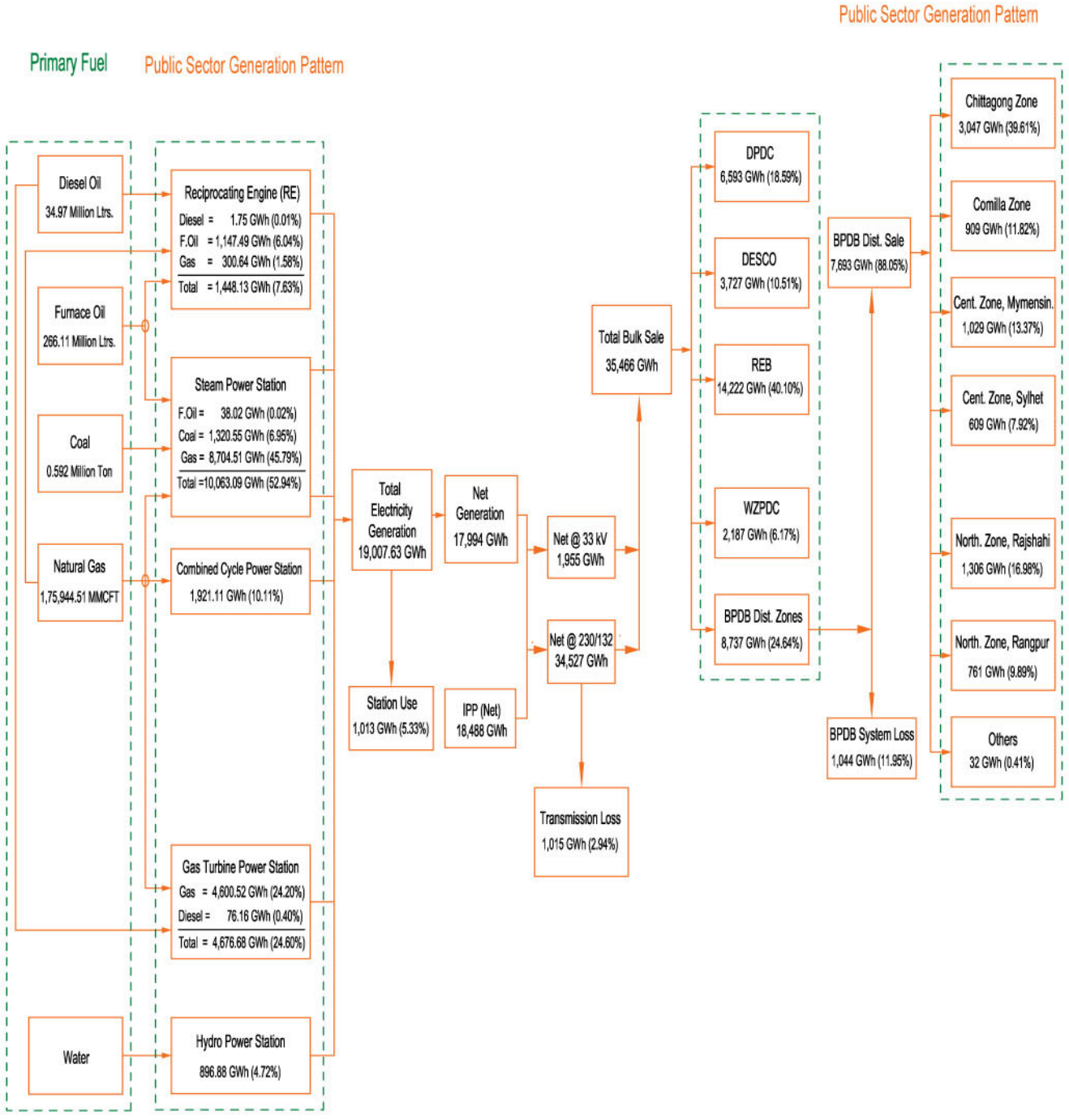
Demand-side management (DSM) means modifying energy use to maximize energy efficiency. DSM tries to get maximum benefit out of existing energy generation. DSM involves changing energy use habits of consumers and encouraging them for using energy efficient appliances, equipment etc. at their premises.

To keep load shedding at a minimum level, BPDB has taken a number of steps for demand side management, which are as follows :

- To shift irrigation load from peak hour to off peak hour, BPDB has started campaign through electronic and print media. In the last few years, it is estimated that about 400 MW irrigation load was shifted from peak hour to off peak hour.
- BPDB has taken motivational programs to enhance awareness of the consumers during peak hours. Consumers are being urged through electronic and print media to be rational and economical in electricity use during peak hour by switching off unnecessary loads like extra lighting, ironing, pumps, air conditioners, welding machines etc.
- As part of demand side management program, BPDB has taken steps to use CFL in BPDB's offices and also trying to motivate consumers to use Energy efficient lamps.
- Industries operating in two shifts are being requested not to operate during peak hours.
- Holiday staggering for industries has been implemented which contributes about 150 MW load shifting.
- Load Management Committee has been formed in every distribution zone/circle/division to monitor the proper load distribution during irrigation.
- As part of DSM, BPDB is monitoring shop/market closure time at 8 p.m. It is estimated that this measure contributes about 350 MW load shifting from peak hour there by reduces load shedding.

A meeting on power situation of the country.

ENERGY FLOW CHART
(FY 2013)



Chapter-2

Power Sector Development Plan

Power Sector Development Plan

POWER SECTOR AT PRESENT

Electricity is a crucial ingredient for poverty alleviation, industrial growth, infrastructure development, quality of living standard of the people and for overall development of the economy. Bangladesh government is trying to establish a sustainable development structure for many years but yet to accomplish such target due to shortage of electricity generation. The present electrification level is low compared to that of other countries in the world. At present only 55% of the population (FY 2013) has access to electricity and per capita generation is only 249 kWh (grid). Every year the demand is increasing at a rate of 10%. Generation capacity could not be increased accordingly during past years which has resulted increasing power shortage in the country.

Total present installed generation capacity in public and private sector is 10,264 MW (December 2013). Since this Government came to power in January, 2009 total 4983 MW new power generation added to the grid including 500 MW power imported from India. At present 700-1000 MW capacity is unable to generate due to gas shortage. About 1000 MW load shedding was experienced during peak hours of the last summer. Under the above context, with a vision to achieve more than 7% projected GDP growth by 2014 and beyond, short, medium & long terms generation expansion plan has been prepared in order to maintain sustained electricity supply facilitating establishment of new industries and SMEs, accomplishment of national target of "electricity for all" by 2021 and to build "digital Bangladesh".

Power generation projects, identified in the immediate and short term plan have been implemented during FY 2011 and FY 2012. Under the mid term planning, projects with capacity of about 11,000 MW will be installed during 2013 to 2018. For long term generation expansion plan Power System Master Plan study -2010 was approved in February 2011. In the PSMP-2010 suggested requirement of 24,000 MW and 39,000 MW capacity in the year 2021 and 2030 to meet the increasing demand due to enhanced economic activity.

Due to prevailing gas crisis and future grim scenario of gas sector development, strategic decision of the government to diversify primary fuel supply for power is critical for sustained development of power sector. This diversification will help to ensure energy security but cost of energy will be higher. In this perspective, the plan has been prepared for considering balanced development of different sources of energy. For base load demand, coal is the near-term option whether indigenous or imported. Government is also considering imported Liquefied Natural Gas (LNG) to supplement present gas shortage, which can take advantage of the country's reasonably developed pipeline infrastructure.

Mid Term Power Generation Expansion Plan Upto 2018

Based on the primary fuel supply availability and Government's limited ability to finance capital-intensive power generation projects, an aggressive mid term generation expansion plan was prepared to meet the growing demand of electricity to cope with accelerated economic growth under the present government. Revised generation expansion plan prepared in 2013 targeting about 11,000 MW generation additions from 2013 to 2018 which is provided in the table below:

Year wise generation projects to be completed (From 2013 to 2018)

Year	2013 (MW)	2014 (MW)	2015 (MW)	2016 (MW)	2017 (MW)	2018 (MW)	Total
Public	587	679	1837	1510	00	1320	5933
Private	51	2007	1097	638	1271	00	5064
Power Import	500	--	--	--	--	--	500
Total	**1138**	**2686**	**2934**	**2148**	**1271**	**1320**	**11497**

Annual Development Program for BPDB's Own Generation & Distribution Projects

A total of 8 generation and 8 distribution projects were undertaken in the Revised Annual Development Program (RADP) in the FY2013. Original Allocation, Revised Allocation & Expenditure incurred (provisional) in the FY 2013 are shown in the following table.

(Taka in lakh)

Sub-sector	Original ADP FY 2012-13			RADP FY 2012-13			Expenditure incurred FY 2012-13		
	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total
Generation	264562	1900	166462	94355	9373	103728	93763.46	11040.01	11040.01
Distribution	24025	29600	53626	22580	14700	37280	22089.36	14726.51	36815.87
Total	**188588**	**31500**	**220088**	**116935**	**24073**	**141008**	**115852.82**	**25766.52**	**141619.34**

Implementation Status of the Power Generation Expansion Plan

Since January 2009, total 58 small and medium sized power plants of capacity 4483 MW have been commissioned, 32 projects of capacity 6420 MW are now under construction. At present 20 projects of capacity 5522 MW are in the various stages of procurement process right from tender invitation to issuance of LOI.

Year wise commissioning status of generation projects

Projects commissioned in 2010

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Sikalbaha 150 MW	150	BPDB		18.08.2010
2.	Siddirganj 2x120 MW GT	105	EGCB		14.10.2011
	Sub Total	**255**			
	Private Sector				
3.	Shikalbaha 55 MW Rental Power Plant	55	Rental (BPDB)	HFO	06.05.2010
4.	Ashugonj Rental Power Plant	55	Rental (BPDB)	Gas	07.04.2010
5.	Thakurgaon, 3 Years Rental	50	Rental (BPDB)	HFO	02.08.2010
6.	Ghorashal Sponsor: Aggreko	145	Rental (BPDB)	Gas	10.08.2010 23.08.2010
7.	Khulna Sponsor: Aggreko	55	Rental (BPDB)	Diesel	10.08.2010
8.	Pagla, Narayaganj Sponsor: DPAPGL	50	Rental (BPDB)	Diesel	24.11.2010
9.	Bheramara 3 Years Rental	110	Rental (BPDB)	Diesel	31.12.2010
	Sub Total	**520**			
	Total	**775**			

Projects commissioned in 2011

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Ashugonj 50 MW Power Plant	53	APSCL	Gas	30.04.2011
2.	Baghabari 50 MW Peaking PP	52	BPDB	HFO	29.08.2011
3.	Fenchuganj 90 MW CC	104	BPDB	Gas	26.10.2011
4.	Bera 70 MW Peaking PP	71	BPDB	HFO	28.10. 2011
5.	Titas, Doudkandi 50 MW Peaking PP	52	BPDB	HFO	29.10. 2011
6.	Siddirganj 2x120 MW Peaking PP	105	EGCB	Gas	December ,2011
7.	Faridpur 50 MW Peaking PP	54	BPDB	HFO	November, 2011
8.	Gopanlgonj 100 MW Peaking PP	109	BPDB	HFO	29.09.2011
9.	Sangu, Dohazari 100 MW Peaking PP	102	BPDB	HFO	30.12.2011
10.	Hathazari 100 MW Peaking PP	98	BPDB	HFO	23.12.2011
	Sub Total	**800**			

	Private Sector				
1.	Siddirganj (Sponsor: Desh Energy)	100	Rental (BPDB)	Diesel	17.02.2011
2.	B Baria (Sponsor: Aggreko)	70	Rental (BPDB)	Gas	06.03.2011
3.	Modanganj (Sponsor: Summit Power)	102	Rental (BPDB)	HFO	01.04.2011
4.	Meghnagat (Sponsor: IEL)	100	Rental (BPDB)	HFO	08.05.2011
5.	Ghorasal (Sponsor: Max Power)	78	Rental (BPDB)	Gas	27.05.2011
6.	Nowapara (Sponsor: Khan Jahan Ali)	40	Rental (BPDB)	HFO	28.05.2011
7.	Ashuganj (Sponsor: Aggreko)	80	Rental (BPDB)	Gas	31.05.2011
8.	Khulna (Sponsor: KPCL)	115	Rental (BPDB)	HFO	01.06.2011
9.	Ashuganj (Sponsor: United Power)	53	Rental (BPDB)	Gas	22.06.2011
10.	Siddirganj (Sponsor: Dutch Bangla Power)	100	Rental (BPDB)	HFO	21.07.2011
11.	Noapara, Jessore (5 Years Rental)	105	Rental (BPDB)	HFO	26.08.2011
12.	Bogra 3 Years Rental (Sponsor: Energy Prima)	20	Rental (BPDB)	Gas	
	Sub Total	**963**			
	Total	**1763**			

Projects commissioned in 2012

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public				
1.	Sylhet 150 MW Power Plant	142	BPDB	Gas	28 March, 2012
2.	Gazipur 50 MW PP	52	RPCL	Gas/HFO	July, 2012
3.	Chandpur 150 MW CC Power Plant	163	BPDB	Gas	GT: March, 2012 CC: July, 2012
4.	Sirajganj 150 MW GT	150	NWPGC	Gas/HSD	December, 2012
5.	Santahar 50 MW Peaking Power Plant	50	BPDB	HFO	December, 2012
6.	Katakhali 50 MW Peaking Power Plant	50	BPDB	HFO	December, 2012
	Sub-Total (Public)	**607**			
	Private Sector				
1.	Amnura, Chapainawabganj (Sponsor: Sinha Power)	50	Rental (BPDB)	HFO	13 January, 2012
2.	Fenchuganj 3 Years Rental (Sponsor: Energy Prime Ltd.)	44	Rental (BPDB)	Gas	15 February, 2012
3.	Julda, Chittagong	100	Rental (BPDB)	HFO	26 March, 2012
4.	Keraniganj (Power Pack)	100	Rental (BPDB)	HFO	27 March, 2012
5.	Katakhali, Rajshahi (Sponsor: NPSL)	50	Rental (BPDB)	HFO	23 May, 2012
	Sub Total	**344**			
	Total	**951**			

Projects commissioned in 2013

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Raujan 25 MW PP	25	RPCL	Gas/HFO	3 May, 2013
2.	Khulna 150 MW GT	150	NWPGC	Gas/HSD	September, 2013
3.	Haripur 360 MW CCPP: GT Unit	412	EGCB	Gas	October, 2013
	Sub-Total (Public)	**587**			
	Private Sector				
1.	Regional Import	500	Import		October, 2013
2.	Ashuganj 50 MW PP	51	IPP	Gas	December, 2013
	Sub-Total (Private)	**551**			
	Total	**1138**			

Projects to be commissioned in 2014

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Sirajganj 150 MW PP Conversion	75	NWPGC	Gas/HSD	February, 2014
2.	Siddirganj 335 MW CCPP : SC GT Unit	200	EGCB	Gas	June, 2014
3.	Ashuganj 225 MW CCPP : SC GT Unit	150	APSCL	Gas	September, 2014
4.	Kodda, Gazipur 150 MW PP	150	BPDB-RPCL Powergen	HFO/Gas	December, 2014
5.	Chapai nababganj 104 MW PP	104	BPDB	HFO	December, 2014
	Sub-Total (Public)	**679**			
	Private Sector				
1.	Ghorasal, Narsindi 100 MW PP	108	IPP	Gas	February, 2014
2.	Meghnaghat 300-450 MW CCPP (2nd Unit Duel Fuel: SC GT Unit)	220	IPP	HFO/Gas	February, 2014

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Private Sector				
3.	Gogonagar 100 MW PP	102	IPP	HFO	February, 2014
4.	Baraka-Patenga Chittagong 50 MW PP	50	IPP	HFO	March, 2014
5.	Potiya, Chittagong 100 MW PP	108	IPP	HFO	March, 2014
6.	Munshiganj (Kathpotti) 50 MW PP	53	IPP	HFO	March, 2014
7.	Natore,Rajshahi 50 MW PP	52	IPP	HFO	March, 2014
8.	Bibiana 300-450 MW CCP (2nd Unit): SC GT Unit	222	IPP	Gas	June, 2014
9.	Meghnaghat 300-450 MW CCPP (2nd Unit): ST Unit	115	IPP	Gas/HFO	August, 2014
10.	Comilla (Homna) 50 MW PP	53	IPP	HFO	December, 2014
11.	Ashuganj 200+- 10% MW Modular Power Plant	195	APSCL	Gas	December, 2014
12.	Nababganj 55 MW PP	55	IPP	HFO	December, 2014
13.	Manikganj 55 MW PP	55	IPP	HFO	December, 2014
14.	Basila, Keraniganj (CLC Power)108 MW PP	108	IPP	HFO	December, 2014
15.	Basila, Keraniganj (Dhaka West) 108 MW PP	108	IPP	HFO	December, 2014
16.	Khulna 100 MW PP	100	IPP	HFO	December, 2014
17.	Jamalpur 100 MW PP	95	IPP	HFO/Gas	December, 2014
18.	Munshiganj 50 MW PP	50	IPP	HFO	December, 2014
19.	Dhaka (Gaptoli) 108 MW PP	108	IPP	HFO	December, 2014
20.	Bhairab, Kishoregonj 50 MW PP	50	IPP	HFO	December, 2014
	Sub-Total (Private)	**2007**			
	Total	**2686**			

Projects to be commissioned in 2015

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Siddirganj 335 MW CCPP : ST Unit	135	EGCB	Gas	March, 2015
2.	Bhola 225 MW CCPP : SC GT Unit	125	BPDB	Gas	March, 2015
3.	Kaptai Solar	5	BPDB	Solar	March, 2015
4.	Bibiana #3 CCPP: SC GT Unit	274	BPDB	Gas	June, 2015
5.	Ashuganj 225 CCPP: ST Unit	75	APSCL	Gas	June, 2015
6.	Ashuganj (South) 450 MW CCPP	373	APSCL	Gas	June, 2015
7.	Baghabari 100 MW PP Conversion	50	BPDB	Gas	June, 2015
8.	Shahjibazar 70 MW PP Conversion	35	BPDB	Gas	June, 2015
9.	Sylhet 150 MW PP Conversion	75	BPDB	Gas	June, 2015
10.	Ghorasal 300-450 MW CCPP: SC GT Unit	254	BPDB	Gas	September, 2015
11.	Shahjibazar CCPP: SC GT Unit	216	BPDB	Gas	September, 2015
12.	Sikalbaha 150-225 MW CCPP: SC GT Unit	150	BPDB	Gas/HFO	September, 2015
13.	Bhola 225 MW CCPP: ST Unit	70	BPDB	Gas	December, 2015
	Sub-Total (Public)	**1837**			
	Private Sector				
1.	Sathkira 50 MW PP	50	IPP	HFO	March, 2015
2.	Bibiana 300-450 MW CCPP (2nd Unit): ST Unit	119	IPP	Gas	March, 2015
3.	Sirajganj 150-225 MW CCPP: SC GT Unit (LANKO)	145	IPP	Gas	June, 2015
4.	Solar	7	IPP	Solar	June, 2015
5.	Kliakair Peaking Plant, Gazipur	149	IPP	Gas/HFO	June, 2015
6.	Fenchuganj 50 MW PP	50	IPP/NRB	Gas	June, 2015
7.	Sirajganj 300-450 MW CCPP: SC GT Unit	249	IPP	Gas/HSD	August, 2015
8.	Chittagong 65-85 MW CCPP	65	IPP	Naptha/ Gas	August, 2015
9.	Wind	100	IPP	Wind	September, 2015
10.	Fenchuganj 163 MW CCPP	163	IPP	Gas	December, 2015
	Sub-Total (Private)	**1097**			
	Total	**2934**			

Projects to be commissioned in 2016

Sl. No	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public				
1.	Bibiana #3 CCPP: ST Unit	126	BPDB	Gas	March, 2016
2.	Sikalbaha 150-225 MW CCPP: ST Unit	75	BPDB	Gas/HFO	June. 2016
3.	Ghorasal 300-450 MW CCPP: ST Unit	109	BPDB	Gas	June. 2016
4.	Shahjibazar CCPP: ST Unit	116	BPDB	Gas	June, 2016
5.	Ashuganj (North) CCPP	450	APSCL	Gas	July, 2016
6.	Bheramara 360 MW CCPP	360	NWPGC	Gas	October, 2016
7.	Barapukuria 275 MW (3rd Unit)	274	BPDB	Coal	December, 2016
	Sub-Total (Public)	**1510**			
	Private Sector				
1.	Sirajganj 300-450 MW CCPP: ST Unit	118	IPP	Gas/HSD	March, 2016
2.	Sirajganj 150-225 MW CCPP: ST Unit (LANKO)	73	IPP	Gas	March, 2016
3.	Bibiana 300-450 MW CCPP (1st Unit) : SC GT Unit	222	IPP	Gas	July, 2016
4.	LNG Based 200-850 MW CCPP: ST Unit	225	IPP	LNG	October, 2016
	Sub-Total(Private)	**638**			
	Total	**2148**			

Projects to be commissioned in 2017

Sl. No	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Private Sector				
1.	Bibiana 300-450 MW CCPP (1st Unit) : ST Unit	119	IPP	Gas	March, 2017
2.	Maowa, Munshiganj 300-650 MW Coal Fired Power Project	522	IPP	Imp. Coal	June. 2017
3.	Khulna 630 MW Coal Fired Power Project	630	IPP	Imp.Coal	September, 2017
	Sub-Total(Private)	**1271**			
	Total	**1271**			

Projects to be commissioned in 2018

Sl. No	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Khulna 1300 MW Large Coal	1320	BIFPCL	Imp.Coal	June. 2018
	Sub-Total (Public)	**1320**			
	Total	**1320**			

RENEWABLE ENERGY DEVELPOMENT PROGRAM

Development of renewable energy is one of the important strategies adopted by the Government for going green. Under the existing generation scenario of Bangladesh, renewable energy has a very small share to the total generation. The present share of renewable energy is about 0.5%. BPDB has taken systematic steps for the last few years in the development of renewable energy and implementation of energy efficiency measures to achieve the target of renewable energy policy 2008 of the Government.

SOLAR POWER PROJECT

Ongoing Solar Projects

- BPDB has taken steps to install 8 MW PV power plant at Kaptai Hydro Power station.
- 1 MW solar PV power plant (off grid solar-wind- diesel based hybrid system) in Hatiya Island, Noakhali.
- 650 kWp (400 kW load) solar mini grid power plant at remote haor area of sulla upazila at Sunamgonj district under climate change trust fund (CCTF).
- 3 MW grid connected solar PV power plant at Sharishabari, Jamalpur on Build,Own & Operate basis.
- 1000 KM of street lighting based on solar PV and LED based technology in seven (7) city corporations of the country.
- BPDB is installing solar power systems in all offices of BPDB across the country to run the light and fan load.

Solar Projects under Planning

- BPDB has planned to install 1 MW solar mini grid power plant under climate change trust fund (CCTF) at remote and inaccessible areas of Chittagong and Bandarban district.
- BPDB has planned to implement solar park projects on BOO basis under the roadmap of ADB's 500 MW solar power mission.
- BPDB has planned to install 1 MW solar pv plant (off grid solar- diesel based hybrid system) in Kutubdia island.

WIND POWER PROJECT

The potential of wind energy is limited to coastal areas, off-shore islands, rivers sides and other inland open areas with strong wind regime. In order to generate electricity from wind energy, BPDB installed 4x225 kW = 900 kW capacity grid connected wind turbine at muhuri dam area of sonagazi in feni. Another project of 1000 kW wind battery hybrid power plant at Kutubdia Island was completed in 2008 which consists of 50 wind turbines of 20kW capacity each.

Ongoing wind Projects

- BPDB has taken steps to install 1MW wind power plant (off grid solar-wind- diesel based hybrid system) in Hatiya Island, Noakhali.
- BPDB is also going to install 15 MW wind power plant across the coastal regions of Bangladesh pursuant to wind resources assessment at Muhuri dam area of Feni, Mognamaghat of Cox's Bazar, parky beach of Anwara in Chittagong, Kepupara and Kuakata of Patuakhali. Installation of wind masts has already been started at "7 no Char" of Muhuri Dam area at Feni and "Sattar Majhir Ghat" area of Mognamaghat in Cox's Bazar.

Wind Projects under Planning

- BPDB has planned to implement 50-200 MW wind power project at parky beach area, Anawara, Chittagong on IPP basis.
- On-shore wind power plants along the coastline in coastal regions of Bangladesh.
- To install wind monitoring stations at 19 potential sites of the country for comprehensive wind resource assessment (WRA).

ON GOING DISTRIBUTION PROJECTS OF FY 2012-2013

With the aim of renovation and expansion of existing distribution network for reduction of distribution line loss, electrification new areas and improved customer satisfaction, BPDB has undertaken various distribution projects. The under construction distribution projects are as follows:

Sl. no.	Name of the Projects	Projects costs			Year of complition	Cumu. progress (%)
		Local (Lakh Tk)	Foreign (Lakh Tk)	Total (Lakh Tk)		
1.	10-Town power system dev. project (Rajshahi, Pabna, Shirajgonj, Bogora, Joypurhat, Gaibandah, Nilfamari, Dinajpur, Thakurgaon & Rongpur)	23787.53	26901.17	50688.71	June'2014	74.22
2.	Emergency rehabilitation & expansion of urban areas power dist. system under Ctg. zone	18012.61	-	18012.61	Dec'2013	72.40
3.	Emergency rehabilitation & expansion of urban areas power dist. system under Rajshahi (northern) zone	11001.48	-	11001.48	Dec'2013	95.51
4.	Prepayment metering project for dist. southern zone, Ctg. (Phase-I)	13736.00	-	13736.00	June'2014	0.42
5.	Greater Ctg. power dist. project, SCADA rehabilitation	1816.57	8588.91	10405.48	June'2014	56.00
6.	Central zone power dist. project, Mymenshing	23902.00	74020.00	97922.00	June'2015	83.00
7.	Ctg. hill-tracts power dist. dev. project, Rangamati	16447.00	-	16447.00	June'2014	74.00
8.	Solar Street-Lighting Programme in city corporation	8001.65	23659.30	31660.95	Dec'2014	0.43

FUTURE DISTRIBUTION PROJECTS UPTO 2016

From the view point of continuous improvement in retail sales performance and consumers' service & satisfaction, BPDB has under taken the following distribution projects that are at the various stages of approval and procurement process:

Sl. no.	Name of the Projects	Projects costs		Total (Lakh Tk)
		Local (Lakh Tk)	Foreign (Lakh Tk)	
1.	Power system development project, Rajshahi zone	68629.23	-	68629.23
2.	Power system development project, Rangpur zone	51700.59	13364.05	65064.64
3.	Power system development project, Chittagong zone	105495.32	-	105495.32
4.	Power system development project, Comilla zone	38942.65	8953.64	47896.29
5.	Power system development project, Mymenshing zone	63776.36	-	63776.36
6.	Power system development project, Sylhet zone	40986.55	-	40986.55
7.	Prepayment metering project for distribution, northern zone, Rajshahi (Phase-I)	26397.86	-	26397.86
8.	Prepayment metering project for distribution zone, Comilla & Mymenshing (Phase-I)	2844.37	10404.85	13249.22


Chandpur 150 MW Power Pland

Chapter-3

Reforms & Other Activities

Reform & Restructure

Government has given top priority in power sector development and has made commitment to provide access to electricity to all citizens across the country by 2021.In order to achieve this goal Government has undertaken a number of reform measures, some of them have already been implemented. Till-to-date the implementation status is as follows:

- The Electricity Directorate was established in 1948 in order to plan and improve power supply situation of the country. Considering the increasing demand of electricity and its importance in agriculture & industry "Water & Power Development Authority" (WAPDA) was created in 1959. Later the "WAPDA" was divided into two parts namely "Bangladesh Power Development Board" & "Bangladesh Water Development Board" by the Presidential Order 59 (PO-59) of 31st May 1972. As a result, Bangladesh Power Development Board was entrusted with the responsibilities of Operation, Maintenance, and Development of Generation, Transmission & Distribution facilities of electricity throughout the country.

- By the ordinance (Ordinance No-LI of 1977) Rural Electrification Board (REB) was established for the development of electricity in the rural areas for the effective benefit of rural people on October, 1977.

- Under the reform program Dhaka Electric Supply Authority (DESA) was created for the proper management & electrification in Dhaka city and its adjoining areas in 1990.

- DESCO has started functioning from 1996 after taking over part of the distribution network of DESA.

- DESA was reformed again as Dhaka Power Distribution Company (DPDC) in July, 2008.

- Under the Companies Act 1994, Power Grid Company (PGCB) was created in 1996 to look after the transmission system.

- Ashuganj Power Station has been converted into Ashuganj Power Station Company Ltd. (APSCL) in 1996, as a subsidiary company of BPDB.

- West Zone Power Distribution Company Ltd. (WZPDCL) was created in 2002 to look after the distribution system of Barisal and Khulna Zone. WZPDCL is a distribution subsidiary of BPDB.

- Electricity Generation Company of Bangladesh (EGCB) has been formed as a Generation Company since 2004. EGCB has implemented 2x120 MW Peaking Power Plant at Shiddirgonj and 360 MW CCPP Power Plant at Haripur. EGCB has also started construction process of another 450 MW CCPP at Shiddirganj.

- North West Power Generation Company (NWPGCL) was created in 2008. NWPGCL has implemented 150 MW Peaking Power Plant at Sirajganj and another 150 MW Peaking Power Plant at Khulna. NWPGCL has also started procurement process of 360 MW CCPP at Bheramara.

- BPDB is in the process of indentifying Strategic Business Unit (SBU) for its generation and distribution sectors as a new reform initiative. Functional and financial performance of the SBUs will be operated like components of a corporate body and will be evaluated separately under the legal frame work of existing BPDB structure.

- Functional, financial and human resource sharing is much easier and highly effective under one legal binding in a big organization rather than small corporate power entities.

HRD Activities

BPDB's vision is to provide quality and reliable electricity to the people of Bangladesh for desired economic, social and human development of the country undertaking institutional and structural reforms leading to the creation of an organization of international standard. In order to achieve this vision, it is needed to develop specialized skilled services in the field of operation & maintenance with outstanding performance in Generation, Transmission & Distribution. Human resource development is the key for successful implementation of development projects of hi-tech nature in power sector and efficient operation of these facilities to keep tariff at affordable range. Sector entities have program to train 60 hours/year/employee and have a plan to increase its 100 hours in future. It is very important to ensure quality training otherwise all efforts will go in vain.

Achievement against training program conducted during FY 2013 is shown below

Sl. No.	Name of Training Center/Academy	No. of Course	Total No. of Trainees
1.	Engineering Academy, Kaptai	49	904
2.	Regional Training Centre, Tongi	43	893
3.	Regional Training Centre, Chittagong	42	750
4.	Regional Training Centre, Rajshahi	37	541
5.	Ghorasal Training Centre, Narsingdi	49	1146
6.	Directorate of Training & Career Development, Dhaka.	66	1030
7.	Training in Abroad	81	784
	Total	**367**	**6048**

BPDB has been implementing all its training Programs through Directorate of Training & Career Development. Training Academy of Kaptai, four regional training centers and two specialized training center for power plants are providing training courses for technical and non-technical manpower of power sector entities. Regional Training Centers of BPDB are located at Tongi, Rajshahi, Chittagong and Khulna. Training centers at Ghorasal and Ashuganj are dedicated to train power plant engineers & staff. Recently the construction work of a well-equipped training center at Jhilongjai in Cox's Bazar has been completed. The functions of this training center will be started soon. Efforts are underway to establish state-of-the-art training academy at Keraniganj near Dhaka for this purpose.

A training course on Common Health Problems With Management Protocol for Doctors of BPDB.

Training program of Assistant Directors.

Hon'ble Prime Minister Sheikh Hasina offering prayer after the inauguration of Keranigonj 100 MW power plant.

Chapter-4





Tables and Charts

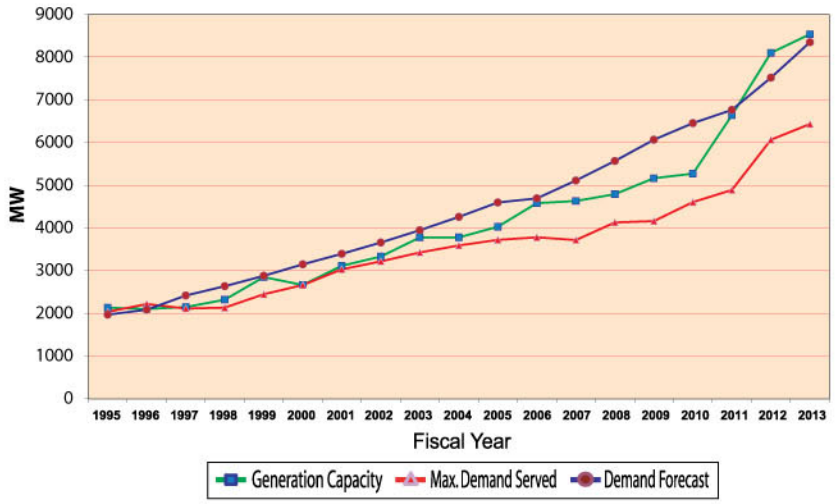
GENERATION TABLES AND CHARTS

Installed Capacity, Present Capacity (Derated), Maximum Demand Maximum Peak Generation and Load Shedding

Year	Installed capacity (MW)[1]	Present Capacity (Derated) (MW)[2]	Maximum Demand (MW)[3]	Maximum Peak Generation (MW)	Maximum Load Shedding (MW)
1974-75	667	490		266	
1975-76	766	606		301	
1976-77	767	571		342	
1977-78	752	557		396	
1978-79	718	571		437	
1979-80	822	625		462	
1980-81	813	707		545	
1981-82	857	712		604	
1982-83	919	810		709	
1983-84	1,121	998		761	
1984-85	1,141	1,018		887	
1985-86	1,171	1,016		883	
1986-87	1,607	1,442		1,084	
1987-88	2,146	1,859	-	1,317	200
1988-89	2,365	1,936	-	1,393	170
1989-90	2,352	1,834	-	1,509	180
1990-91	2,350	1,719	-	1,640	340
1991-92	2,398	1,724	-	1,672	550
1992-93	2,608	1,918	-	1,823	480
1993-94	2,608	1,881	-	1,875	540
1994-95	2,908	2,133	2,038	1,970	537
1995-96	2,908	2,105	2,220	2,087	545
1996-97	2,908	2,148	2,419	2,114	674
1997-98	3,091	2,320	2,638	2,136	711
1998-99	3,603	2,850	2,881	2,449	774
1999-00	3,711	2,665	3,149	2,665	536
2000-01	4,005	3,033	3,394	3,033	663
2001-02	4,230	3,218	3,659	3,218	367
2002-03	4,680	3,428	3,947	3,428	468
2003-04	4,680	3,592	4,259	3,592	694
2004-05	4,995	3,721	4,597	3,721	770
2005-06	5,245	3,782	4,693	3,782	1312
2006-07	5,202	3,718	5,112	3,718	1345
2007-08	5,201	4,130	5,569	4,130	1049
2008-09	5,719	5,166	6,066	4,162	1269
2009-10	5,823	5,271	6,454	4,606	1459
2010-11	7,264	6,639	6,765	4,890	1335
2011-12	8,716	8,100	7,518	6,066	1058
2012-13	9,151	8,537	8,349	6,434	1048

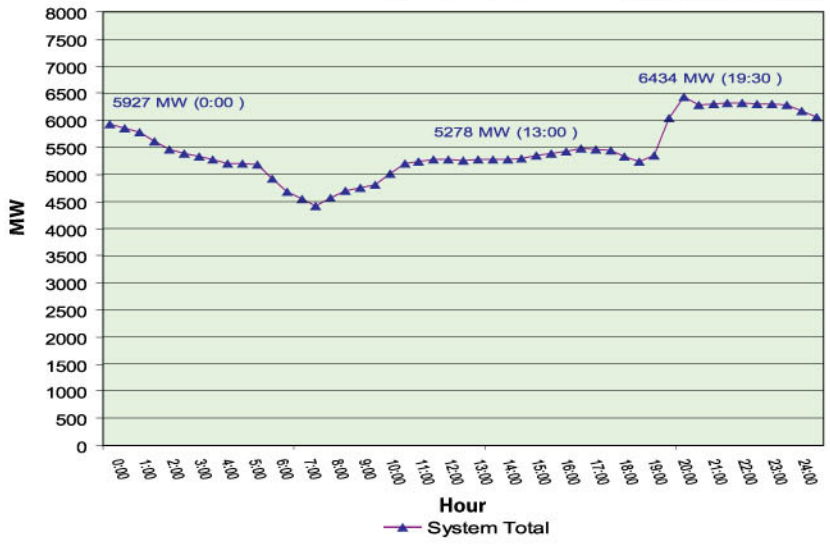
Note : 1 Installed capacity is as of June of the year.
2 Present Capacity (Derated) is the Maximum available generation capacity at present.
3 Maximum Demand is shown as per power system master plan 2010.

Installed Capacity (Derated), Maximum Peak Generation & Demand Forecast

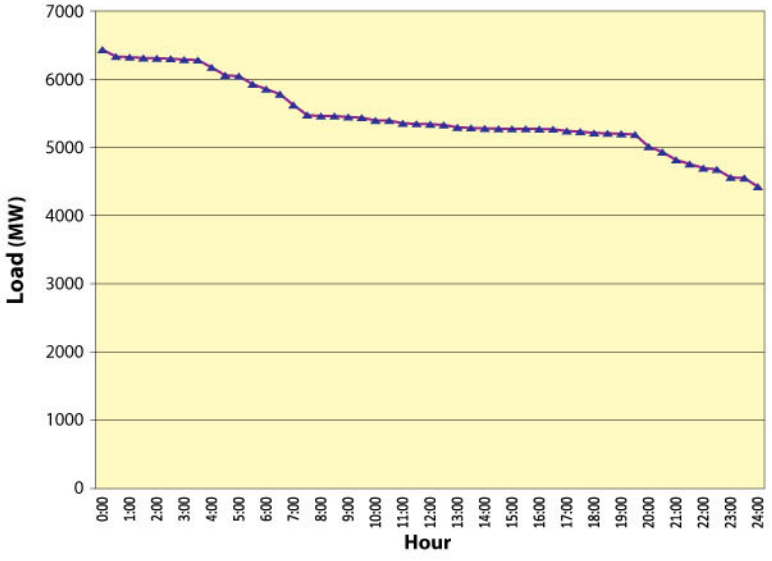


Daily Load Curve

System Total (Date : 15-06-2013)



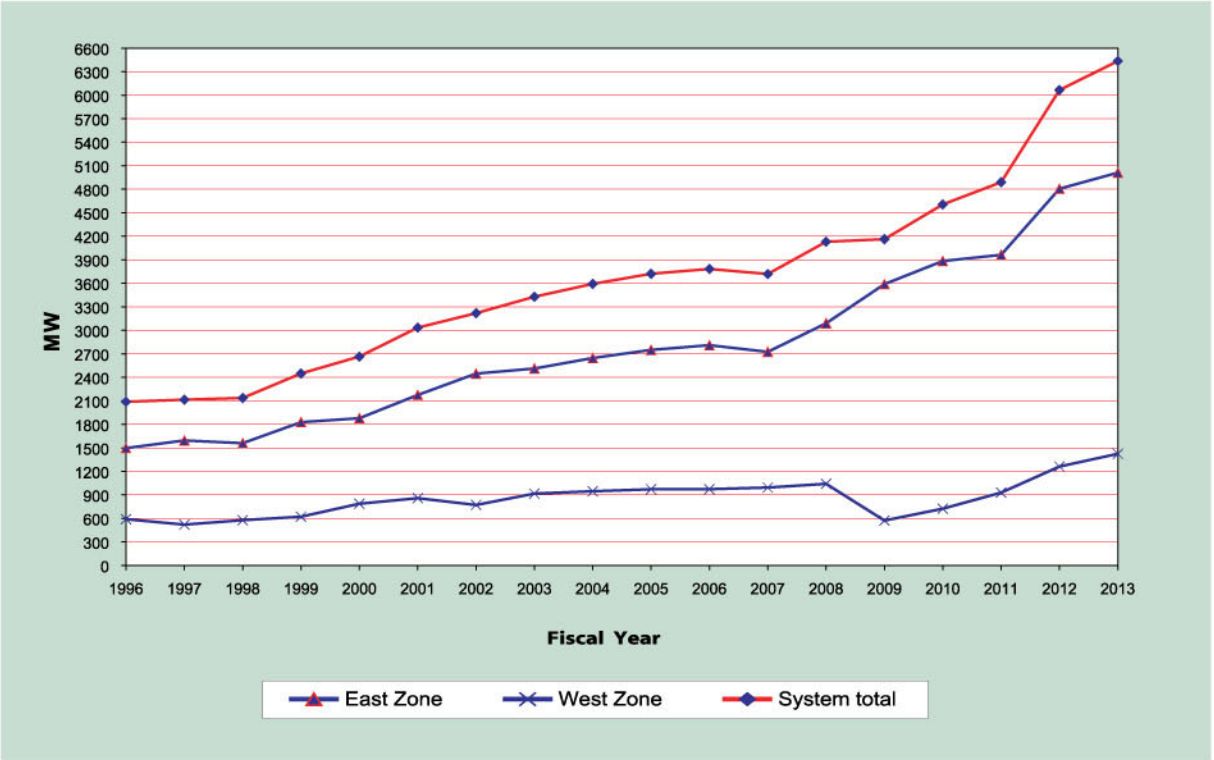
Load Duration Curve



Maximum Generation

Year	Maximum Generation in MW			% Increase over the preceding year
	East Zone	West Zone	System Total	
1970-71	172	53	225	-
1971-72	141	42	183	(18.661)
1972-73	175	47	222	21.532
1973-74	185	65	250	12.603
1974-75	199	67	266	6.362
1975-76	220	81	301	13.275
1976-77	254	88	342	13.495
1977-78	287	109	396	15.779
1978-79	331	105	437	10.245
1979-80	338	124	462	5.816
1980-81	399	146	545	18.033
1981-82	451	153	604	10.719
1982-83	506	203	709	17.445
1983-84	549	212	761	7.395
1984-85	651	236	887	16.470
1985-86	613	270	883	(0.468)
1986-87	734	349	1,084	22.755
1987-88	925	392	1,317	21.551
1988-89	980	413	1,393	5.771
1989-90	1,070	439	1,509	8.327
1990-91	1,141	499	1,640	8,681
1991-92	1,160	512	1,672	1.951
1992-93	1,293	530	1,823	9.049
1993-94	1,355	520	1,875	2.836
1994-95	1,472	498	1,970	5.067
1995-96	1,497	590	2,087	5.959
1996-97	1,594	520	2,114	1.293
1997-98	1,560	577	2,136	1.026
1998-99	1,828	621	2,449	14.625
99-2000	1,878	787	2,665	8.842
2000-01	2,175	858	3,033	13.816
2001-02	2,447	771	3,218	6.076
2002-03	2,512	917	3,428	6.542
2003-04	2,646	946	3,592	4.787
2004-05	2,750	971	3,721	3.583
2005-06	2,809	973	3,782	1.647
2006-07	2,725	993	3,718	-1.700
2007-08	3,089	1,041	4,130	11.087
2008-09	3,589	573	4,162	0.777
2009-10	3,883	723	4,606	10.665
2010-11	3,962	928	4,890	6.166
2011-12	4,805	1,261	6,066	24.049
2012-13	5,010	1,424	6,434	6.07

Growth of Maximum Generation (Actual)



Signing of contract between BPDB and Marubeni Power System Corporation & Hyundai Engineering for construction of Bibiyana 400 MW Power Plant.

Plant Wise Generation (FY 2012-13)

Sl. No.	Name of power plant	Type of fuel	Installed Capacity (As of June) (MW)	Gross Energy Generation (GWh)	Annual Plant factor (%)	Efficiency (%) (Net)	Overall Thermal Efficiency (%) (Net)
1.	Karnafuli Hydro(2x40 MW+3x50 MW)	Hydro	220	896.88	46.54		
2.	Chittagong Thermal Power Plan Unit #-1	Gas	180	377.50	23.94	27.98	
	Chittagong Thermal Power Plan Unit #-2	Gas	180	249.20	15.80	28.89	
3.	Sikalbaha 60 MW Steam Turbine	Gas	40	31.28	8.93	23.38	
4.	Sikalbaha 150 MW Gas Turbine	Gas	150	368.09	28.01	30.24	
5.	Hathazari 100 MW Peaking PP	F.Oil	98	136.95	15.95	42.19	
6.	Sangu, Dohazari 100MW PP	F.Oil	102	149.30	16.71	39.64	
7.	RPCL Raozan 25 MW	F.Oil	25	27.18	12.41	40.00	
8.	RPCL Gazipur 52 MW	F.Oil	52	105.52	23.16	40.00	
9.	Ashuganj 2x64 MW Steam Turbine	Gas	110	378.05	39.23	29.79	
	Ashuganj 3x150 MW Steam Turbine	Gas	430	3335.74	88.56	33.88	
	Ashuganj GT 1	Gas	35	204.39	66.66	20.47	
	Ashuganj ST	Gas	16	48.83	34.84	65.57	
	Ashuganj GT 2	Gas	40	258.45	73.76	22.74	
	Ashugonj 50 MW gas Engine	Gas	51	300.64	67.29	36.71	
10.	Chandpur 150MW CCPP	Gas	163	709.35	49.68	37.27	
11.	Ghorasal 2x55 MW Steam Turbine (1+2nd Unit)	Gas	78	268.78	39.34	25.85	
	Ghorasal 2x210 MW Steam Turbine(3+4th Unit)	Gas	360	2192.82	69.53	31.09	
	Ghorasal 2X210 MW S/T (5+6th Unit)	Gas	380	1122.39	33.72	28.76	
12.	Siddhirganj 210 MW Steam Turbine	Gas	150	748.75	56.98	30.32	
13.	Siddhirganj 2x120 MW Gas Turbine	Gas	210	419.46	22.80	26.58	
14.	Haripur 3x33 MW Gas Turbine	Gas	60	280.31	53.33	21.16	
15.	Haripur 412 MW CCPP	Gas		0.45		0.00	
16.	Tongi 100 MW Gas Turbine	Gas	105	353.05	38.38	25.93	
17.	Shahjibazar 60 MW Gas Turbine	Gas	66	441.48	76.36	25.53	**33.00**
18.	Sylhet 1x20 MW Gas Turbine	Gas	20	35.08	20.02	22.11	
19.	Sylhet 1x150 MW Gas Turbine	Gas	142	646.31	51.96	29.19	
20.	Fenchuganj C.C. (1st Unit)	Gas	90	456.93	57.96	35.56	
	Fenchuganj C.C. (2nd Unit)	Gas	104	447.10	49.08	30.16	
21.	Titas(Doudkandi) 50 MW RE	F.oil	52	86.12	18.91	37.81	
22.	Khulna 1x110 MW Steam Turbine	F.oil	55	37.83	7.85	20.17	
	Khulna 1x60 MW Steam Turbine	F.oil	30	0.19	0.07	0.71	
23.	Barisal 2x20 MW Gas Turbine	HSD	32	19.89	7.10	18.75	
24.	Bheramara 3x20 MW Gas Turbine	HSD	46	28.50	7.07	20.29	
25.	Baghabari 71 MW Gas Turbine	Gas	71	553.52	89.00	28.66	
	Baghabari 100 MW Gas Turbine	Gas	100	766.68	87.52	28.29	
26.	Baghabari 50 MW RE	F.Oil	52	131.26	28.82	39.67	
27.	Gopalgonj 100 MW Peaking PP	F.Oil	109	216.31	22.65	38.89	
28.	Bera 70 MW RE	F.Oil	71	106.38	17.10	41.01	
29.	Faridpur 50 MW Peaking PP	F.Oil	54	111.14	23.49	40.79	
30.	Rangpur 20 MW Gas Turbine	HSD	20	12.00	6.85	21.36	
31.	Saidpur 20 MW Gas Turbine	HSD	20	15.77	9.00	22.65	
32.	Barapukuria 2x125 MW ST (COAL)	COAL	200	1320.55	75.37	27.56	
33.	Sirajgonj 150 MW Gas Turbine	Gas	150	532.14	40.50	30.96	
34.	Santahar 50 MW PP	F.Oil	50	38.96	8.89	38.59	
35.	Katakhali 50 MW PP	F.Oil	50	38.37	8.76	40.65	
	Total (Grid)		**4819**	**19005.87**	**45.02**		
36.	Isolated East	HSD		1.75			
	Isolated West	HSD					
	Total BPDB		**4819**	**19007.62**			
	BPDB Station Uses	**1013.27 GWh**					

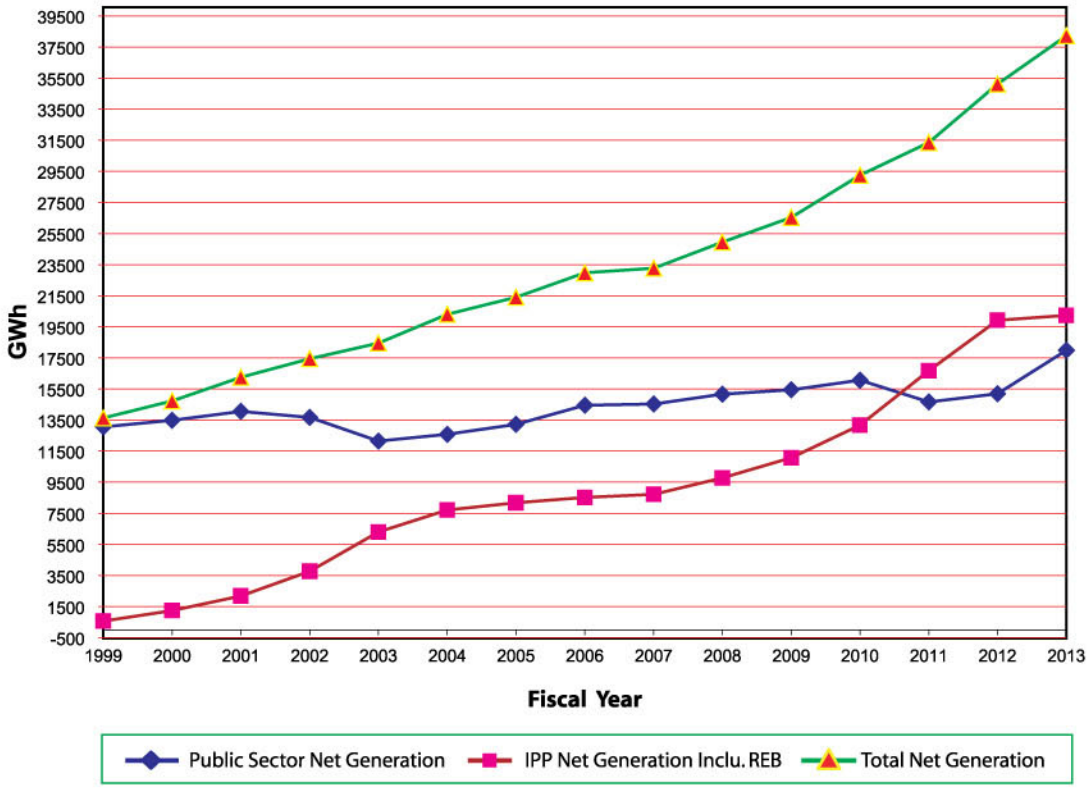
Sl. No.	Name of power plant	Type of fuel	Installed Capacity (As of June) (MW)	Gross Energy Generation (GWh)	Annual Plant factor (%)	Efficiency (%) (Net)	Overall Thermal Efficiency (%) (Net)
	IPP						
1.	KPCL (Khulna,BMPP)	FO	110	490.56	50.91	38.52	
2.	WEST MONT(Baghabari,BMPP)	Gas	70	171.75	28.01	30.15	
3.	NEPC (Haripur, BMPP)	Gas	110	455.37	47.26	45.60	
4.	RPCL (Mymensingh)	Gas	197	1229.45	71.24	45.60	
5.	AES, Haripur	Gas	360	2526.74	80.12	49.06	
6.	AES, Meghnaghat	Gas	450	3467.49	87.96	45.87	
	Sub-Total IPP		**1297**	**8341.36**			
	Rental & SIPP						
1.	Bogra Rental (15 Years)	Gas	22	166.97	86.64	29.02	
2.	Khulna Rental (3 Years)	HSD	40	85.37	24.36	43.62	
3.	Kumargoan (3 Years)	Gas	50	260.35	59.44	34.27	
4.	Sahzibazar RPP (3 Years)	Gas	50	302.39	69.04	28.43	
5.	Sahzibazar RPP (15 Years)	Gas	86	584.09	77.53	27.26	
6.	Tangail SIPP (22 MW) (BPDB)	Gas	22	129.46	67.18	38.28	
7.	Feni SIPP (22 MW) (BPDB)	Gas	22	134.92	70.01	38.28	
8.	Kumargao 10 MW (15 Years)	Gas	10	55.26	63.08	35.56	
9.	Barabkundu	Gas	22	122.92	63.78	38.28	
10.	Bhola RPP (34.5 MW)	Gas	33	180.33	62.38	30.04	
11.	Jangalia , Comilla (33 MW)	Gas	33	243.02	84.07	38.24	
12.	Fenchugonj 51 MW Rental (15 Yrs)	Gas	51	278.78	62.40	31.29	
13.	Shikalbaha 55 MW Rental (3 Years)	F.oil		82.77	17.83	43.00	
14.	Malancha			107.08			
15.	Ashugonj 55 MW 3 Years Rental	Gas	55	283.70	58.88	32.50	
16.	Thakurgaon 50 MW 3 Years Rental	HSD	47	65.09	15.81	36.69	
17.	Fenchugonj 50 MW (Energy Prima)	Gas	44	300.59	77.99	31.26	
18.	Ghorashal 45 MW RPP (Aggreko)	HSD	45	300.48	76.23	35.94	
19.	Khulna 55 MW RPP 3 yrs (Aggreko)	HSD	55	100.61	20.88	32.48	
20.	Ghorashal 100 MW RPP Aggreko)	GAS	100	583.95	66.66	32.00	
21.	Pagla 50 MW (DPA)	HSD	50	93.61	21.37	38.31	
22.	Bheramara 110 MW 3 Yrs Rental (Quantum)	HSD	105	105.93	11.52	41.01	
23.	Shiddirgonj 100 MW Q. Rental 3 Yrs	HSD	96	218.67	26.00	39.20	
24.	B.Baria 70 MW QRPP (3 Yrs Aggreco)	Gas	70	508.85	82.98	35.94	
25.	Madangonj 100 MW QRPP (5 Yrs Summit)	F.oil	100	526.07	60.05	41.63	
26.	Khulna 115 MW QRPP (5 Yrs Summit)	F.oil	115	463.51	46.01	39.20	
27.	Ghorashal 78 MW QRPP (3 Yrs Max Power)	Gas	78	552.96	80.93	35.82	
28.	Noapara 40 MW QRPP (5 Yrs Khan Jahan Ali)	F.oil	40	198.45	56.64	40.96	
29.	Ashugonj 80 MW QRPP (3 Yrs Aggreco)	Gas	80	483.92	69.05	35.94	
30.	Noapara 105 MW RPP (5 Yrs Quantum)	F.oil	101	89.39	10.10	41.01	
31.	Ashugonj 53 MW Q. Rental PP (3 Years, United)	Gas	53	322.22	69.40	36.27	
32.	Meghnagat 100 MW QRPP (5 Yrs) IEL	F.oil	100	509.46	58.16	41.13	
33.	Bogra RPP 3 Yrs (Energy Prima)	Gas	20	102.14	58.30	41.13	
34.	Shiddirgonj 100 MW QRPP (5Years) Dutch Bangla	F.Oil	100	476.30	54.37	41.13	
35.	Amnura 50 MW QRPP (5 Yrs, Sinha Power)	F.Oil	50	95.84	21.88	41.63	
36.	Keranigonj 100 MW QRPP(5Yrs) Power Pac	F.Oil	100	349.58	39.91	40.80	
37.	Julda 100MW QRPP (5Yrs, Acron infra)	F.Oil	100	572.29	65.33	43.05	
38.	Katakhali 50 MW QRPP	F.Oil	50	109.14	24.92	41.13	
	Sub-Total Rental & SIPP		**2195**	**10146.46**			
	Total Private (Net Generation)		**3492**	**18487.82**			
	BPDB Net Generation			**17994.35**			
	Total Net Generation (BPDB+IPP Net)			**36482.17**			
	Total Generation BPDB Gross+IPP & Rental Net)		**8311**	**37495.44**			

Energy Generation (National)

In GWh

Year	Gross Energy Generation of Public Sector			Net Generation of Public Sector	Total Private Generation Inclu. REB (Net)	Total Generation (Net)	% Change over the Preceding Year	Energy Transfer through East-West Interconnector	
	East Zone	West Zone	System Total					East to West	West to East
1970-71	725	204	929	883		883			
1971-72	582	135	717	681		681	(22.82)		
1972-73	857	229	1086	1031		1,031	51.41		
1973-74	982	283	1265	1202		1,202	16.56		
1974-75	1022	300	1322	1256		1,256	4.48		
1975-76	1116	344	1460	1387		1,387	10.41		
1976-77	1224	394	1619	1538		1,538	10.89		
1977-78	1444	468	1913	1817		1,817	18.18		
1978-79	1603	519	2122	2016		2,016	10.95		
1979-80	1745	609	2353	2236		2,236	10.89		
1980-81	1,978	684	2,662	2529		2,529	13.11	-	-
1981-82	2,292	744	3,036	2885		2,885	14.07	-	-
1982-83	2,846	587	3,433	3261		3,261	13.05	341.32	0.24
1983-84	3,398	568	3,966	3768		3,768	15.54	519.04	1.44
1984-85	3,656	873	4,528	4302		4,302	14.18	477.41	20.63
1985-86	3,488	1,312	4,800	4560		4,560	6.00	222.40	106.43
1986-87	4,749	838	5,587	5308		5,308	16.39	797.84	10.91
1987-88	5,753	789	6,541	6214		6,214	17.08	1,179.54	0.02
1988-89	6,534	581	7,115	6759		6,759	8.77	1,550.00	--
1989-90	7,401	331	7,732	7345		7,345	8.67	1,956.78	--
1990-91	8,126	144	8,270	7857		7,857	6.96	2,314.07	--
1991-92	8,500	394	8,894	8450		8,450	7.55	2,213.00	--
1992-93	8,583	624	9,206	8746		8,746	3.51	1,919.89	--
1993-94	9,129	655	9,784	9295		9,295	6.28	1,980.76	--
1994-95	9,885	921	10,806	10266		10,266	10.45	1,954.62	--
1995-96	10,735	740	11,474	10901		10,901	6.18	2,215.02	--
1996-97	10,805	1,053	11,858	11,243		11,243	3.14	1,924.17	--
1997-98	11,789	1,093	12,882	12,194		12,194	8.46	1,997.00	--
1998-99	13,126	746	13,872	13,060	578	13,638	11.84	2,186.00	--
1999-00	13,634	684	14,318	13,495	1,244	14,739	8.07	2,482.45	--
2000-01	13,717	1,111	14,828	14,062	2,193	16,255	10.28	1,979.40	--
2001-02	13,267	1,183	14,450	13,674	3,771	17,445	7.32	2,249.16	--
2002-03	11,371	1,510	12,881	12,159	6,299	18,458	5.80	2,170.40	--
2003-04	11,303	2,039	13,342	12,584	7,718	20,302	9.99	2,135.55	--
2004-05	11,910	2,157	14,067	13,223	8,185	21,408	5.45	2,146.20	--
2005-06	13,177	2,240	15,417	14,456	8,522	22,978	7.33	2344.72	--
2006-07	12,964	2,531	15,495	14,539	8,729	23,268	1.26	1950.25	--
2007-08	13,397	2,758	16,155	15,167	9,779	24,946	7.21	2462.08	--
2008-09	13,627	2,803	16,431	15,449	11,084	26,533	6.36	2548.99	--
2009-10	14,735	2,329	17,064	16,072	13,175	29,247	10.23	3831.43	--
2010-11	12,845	2,680	15,525	14,673	16,682	31,355	7.21	3574.00	--
2011-12	13,316	2,758	16,074	15,201	19,917	35,118	12.00	4445.42	--
2012-13	15,078	3,929	19,008	17,994	20,235	38,229	8.86	4696.49	--

Total Net Energy Generation



Review meeting on generation, transmission and distribution projects participated by heads of power sector entities.

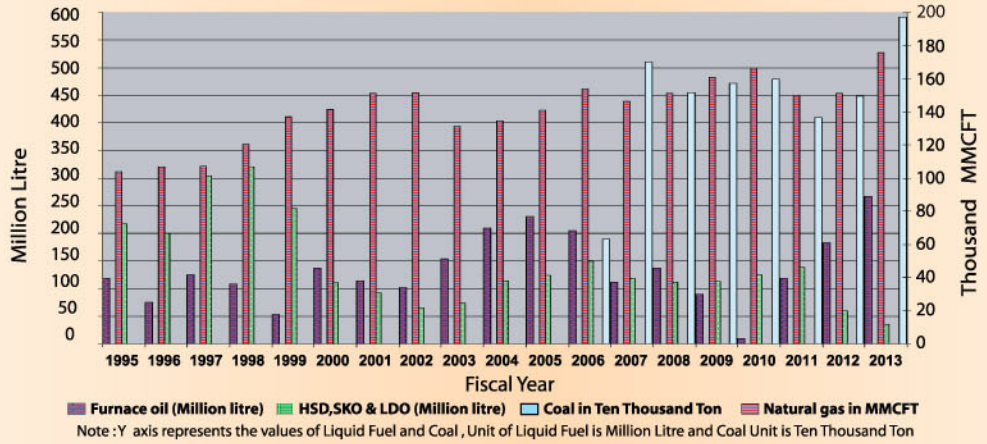
Per Capita Generation And Consumption (Grid)

Year	Total Generation (GWh)	Total Population (In million)	Total Sale (MkWh)	Per Capita Generation (kWh)	Per Capita Consumption (kWh)
1976-77	1,619	82	1,013	19.80	12.39
1977-78	1,913	84	1,205	22.85	14.39
1978-79	2,122	86	1,381	24.78	16.13
1979-80	2,353	88	1,406	26.85	16.04
1980-81	2,662	90	1,740	29.73	19.43
1981-82	3,036	92	2,028	33.04	22.07
1982-83	3,433	94	2,399	36.48	25.49
1983-84	3,966	96	2,703	41.25	28.12
1984-85	4,528	98	2,841	46.16	28.96
1985-86	4,800	100	3,307	48.00	33.07
1986-87	5,587	103	3,485	54.19	33.81
1987-88	6,541	105	3,773	62.02	35.77
1988-89	7,115	108	4,695	65.91	43.49
1989-90	7,732	110	4,705	70.02	42.60
1990-91	8,270	111	4,871	74.77	44.04
1991-92	8,894	112	6,021	79.32	53.70
1992-93	9,206	115	6,906	80.01	60.02
1993-94	9,784	116	7,448	84.19	64.08
1994-95	10,806	117	8,371	92.06	71.32
1995-96	11,474	119	8,996	96.79	75.88
1996-97	11,858	120	9,447	99.03	78.90
1997-98	12,882	127	10,176	101.84	80.44
1998-99	14,450	128	11,352	112.89	88.69
1999-00	15,563	130	12,461	119.71	95.85
2000-01	16,255	132	14,003	123.14	106.08
2001-02	17,445	134	15,243	136.02	113.80
2002-03	18,458	133	16,332	138.36	122.43
2003-04	20,302	135	18,024	149.94	133.11
2004-05	21,408	137	19,196	155.78	139.68
2005-06	22,978	139	20,954	164.73	150.22
2006-07	23,268	141	21,181	164.75	149.97
2007-08	24,946	143	22,622	174.45	158.20
2008-09	26,533	145	23,937	183.26	165.32
2009-10	29,247	146	24,860	200.32	170.27
2010-11	31,355	148	26,652	211.86	180.08
2011-12	35,118	152	29,974	231.65	197.72
2012-13	38,229	154	32,740	248.89	213.15

Fuel Consumption of Public Sector Power Plants

Year	Natural Gas in MMCFT	Liquid Fuel in Million liter		Coal in Million Ton
		Furnace oil	HSD, SKO & LDO	
1975-76	8,841.12	81.91	0.39	
1976-77	10,850.48	75.05	67.97	
1977-78	13,081.39	80.77	103.35	
1978-79	14,579.55	128.41	84.50	
1979-80	15,940.70	103.63	134.58	
1980-81	18,904.42	68.66	209.44	
1981-82	22,251.24	77.47	229.56	
1982-83	27,697.51	120.06	113.20	
1983-84	30,298.69	175.55	86.63	
1984-85	38,116.27	201.16	94.23	
1985-86	39,809.78	283.49	142.51	
1986-87	51,773.82	199.03	94.35	
1987-88	59,220.57	231.51	52.00	
1988-89	62,291.95	122.68	103.58	
1989-90	72,461.50	53.50	78.02	
1990-91	78,258.10	17.73	40.64	--
1991-92	83,803.43	68.87	75.78	--
1992-93	88,117.25	127.27	94.21	--
1993-94	92,064.05	122.70	113.79	--
1994-95	1,03,907.60	118.42	216.80	--
1995-96	1,06,592.75	75.58	200.49	--
1996-97	1,07,240.03	124.48	304.13	--
1997-98	1,20,376.26	108.47	320.11	--
1998-99	1,36,802.00	53.14	245.05	--
1999-00	1,41,330.13	137.35	110.49	--
2000-01	1,51,312.47	114.02	92.01	--
2001-02	1,51,577.35	102.10	66.00	--
2002-03	1,31,180.00	154.20	74.08	--
2003-04	1,34,482.37	209.17	114.32	--
2004-05	1,41,021.85	229.86	123.75	--
2005-06	1,53,920.65	204.85	149.61	0.19
2006-07	1,46,261.67	111.84	119.19	0.51
2007-08	1,50,991.54	137.11	111.52	0.45
2008-09	1,61,007.68	90.26	112.81	0.47
2009-10	1,66,557.42	9.74	124.69	0.48
2010-11	1,50,031.41	118.73	137.66	0.41
2011-12	1,51,047.84	182.48	59.89	0.45
2012-13	175,944.51	266.11	34.97	0.59

Consumption of Fuel (Public Sector)



Note : Y axis represents the values of Liquid Fuel and Coal , Unit of Liquid Fuel is Million Litre and Coal Unit is Ten Thousand Ton

Fuel Cost of Public Sector Power Plants

Million Taka

Year	East Zone	West Zone	System Total	% Change over preceeding Year
1991-92	3,336.97	1,484.19	4,821.16	
1992-93	3,802.65	2,157.13	5,959.78	23.62
1993-94	4,084.66	2,388.00	6,472.66	8.61
1994-95	4,951.18	3,242.11	8,193.29	26.58
1995-96	5,071.53	2,828.16	7,899.69	(-) 3.58
1996-97	4,881.96	4,376.39	9,258.35	17.20
1997-98	5,809.44	4,479.35	10,288.79	11.13
1998-99	7,116.38	3,324.56	10,440.93	1.48
1999-00	7,732.30	2,079.79	9,812.10	(-) 6.02
2000-01	8,845.51	2,532.66	11,378.17	15.96
2001-02	9,151.63	2,474.40	11,626.03	2.18
2002-03	8,324.49	3,488.12	11,812.61	1.60
2003-04	8,482.43	4,926.22	13,408.66	13.51
2004-05	9,312.80	6,757.12	16,069.91	19.85
2005-06	8,944.90	7,384.60	16,329.50	1.62
2006-07	7,265.36	9,494.06	16,759.43	2.63
2007-08	8,759.19	8,194.23	16,953.42	1.16
2008-09	6,623.57	11,608.60	18,232.17	7.54
2009-10	7,119.50	9,244.78	16,364.28	(10.25)
2010-11	6,431.29	12,632.05	19,063.34	16.49
2011-12	13,831.47	14,739.75	28,571.22	49.88
2012-13	18,885.40	18,380.37	37,265.77	30.43

Fuel Price

Fuel Type	Unit price with effect from																
	06.01.03	08.06.04	01.01.05	04.09.05	26.06.06	02.04.08	01.07.08	27.10.08	23.12.08	13.01.09	15.03.09	01.08.09	01.07.10	05.05.11	01.01.12	01.02.12	04.01.13
High speed Diesel Oil (TK./ Lit)	19.83	19.83	22.37	29.18	31.98	40.00	53.43	46.51	44.61	42.71	42.71	42.71	42.71	46.00	61.00	61.00	68.00
Furnace oil (TK./ Lit)	10.00	12.00	12.00	14.00	14.00	20.00	30.00	30.00	30.00	30.00	26.00	26.00	26.00	42.00	60.00	60.00	60.00
Natarul Gas (TK./ 1000 Cft)	70.00	70.00	73.91	73.91	73.91	73.91	73.91	73.91	73.91	73.91	73.91	79.82	79.82	79.82	79.82	79.82	79.82
Coal (US $./ M Ton)					60	60	71.5	71.5	71.5	71.5	71.5	71.5	86.00	86.00	86.00	105.00	105.00


Shantahar 50 MW Power Plant

CIRCLE WISE SUBSTATIONS CAPACITY (MVA)

(As of June 2013)

A) 230/132 kV Substations

Name of Grid Circle	PGCB		PDB/APSCL		DPDC & Others	
	No. of S/S	Total MVA	No. of S/S	Total MVA	No. of S/S	Total MVA
Dhaka	5+1(Switching)	3375	1	250		
Chittagong	1	600	1 (Switching)	300		
Comilla	2	750	1			
Khulna	1	450				
Bogra	4+1(Switching)	1800				
Total	**15**	**6975**	**3**	**550**		
Grand Total			**7225**			

Hon'ble Finance Minister Mr. A M A Muhith is addressing at the contract signing ceremony between BPDB and China Chengda Engineering Company Ltd. for construction of Bhola 225 MW Combined Cycle Power Plant.

B) 132/33 kV Substations

Name of Grid Circle	PGCB		PDB/APSCL		DPDC, APSCL & Others	
	No. of S/S	Total MVA	No. of S/S	Total MVA	No. of S/S	Total MVA
Dhaka	24	3863	1	100	12	1620
Chittagong	11	1163.3	2	103	1	70
Comilla	11	1111	2	157		
Khulna	19	1721			Bheramara GK Project	20
Bogra	19	1847	1	16.7		
Total	**84**	**9705.3**	**6**	**376.7**	**15**	**1710**
Grand Total			**11792**			

Synopsis of Transmission Lines

(As of June 2013)

A) 230 KV Transmission Lines

Sl. No.	Name of Lines	Lenth in Route kilometers	Lenth in Ckt kilometers	No. of Ckt.	Conductor	
					Name	Size
1	Ghorasal-Ishurdi (1st EWI)	178.00	356.00	Double	Mallard	795 MCM
2	Tongi - Ghorasal	27.00	54.00	Double	Mallard	795 MCM
3	Ghorasal - Ashuganj	44.00	88.00	Double	Mallard	795 MCM
4	Raojan - Hathazari	22.50	45.00	Double	Twin 300 sq.mm	2x300 sq.mm
5	Ashuganj - Comilla North	79.00	158.00	Double	Finch	1113 MCM
6	Ghorasal - Rampura	50.00	100.00	Double	Twin Mallard	2x795 MCM
7	Rampura - Haripur	28.00	56.00	Double	Twin Mallard	2x795 MCM
8	Haripur - Meghnaghat	12.50	25.00	Double	Twin Mallard	2x795 MCM
9	Meghnaghat - Hasnabad	26.00	52.00	Double	Twin Mallard	2x795 MCM
10	Comilla North - Hathazari	150.00	300.00	Double	Finch	1113 MCM
11	AES, Haripur - Haripur	2.40	4.80	Double	Finch	1113 MCM
12	Comilla North - Meghnaghat	58.00	116.00	Double	Twin Mallard	2x795 MCM
13	Hasnabad - Aminbazar - Tongi	46.50	93.00	Double	Twin AAAC	37/4.176 mm.
14	Siddhirganj 210 MW P/S - Haripur	1.50	1.50	Single	ACSR	600 sq. mm.
15	Ashuganj - Sirajganj (2nd EWI)	143.00	286.00	Double	Twin AAAC	37/4.176 mm.
16	Khulna - Ishurdi	185.00	370.00	Double	Twin AAAC	37/4.176 mm.
17	Bogra-Barapukuria	106.00	212.00	Double	Twin AAAC	37/4.176 mm.
18	Sirajganj-Bogra	72.00	144.00	Double	Twin AAAC	37/4.176 mm.
19	Ishurdi-Baghabari	55.00	110.00	Double	Twin AAAC	37/4.176 mm.
20	Baghabari-Sirajganj	38.00	76.00	Double	Twin AAAC	37/4.176 mm.
	Fenchuganj-Bibiyana	33.19	66.37	Double	Twin Mallard	2x795 MCM
	Bibiyana-Comilla(N)	153.55	306.00	Double	Twin Mallard	2x795 MCM
	Total	**1324.40**	**3020**			

B) 132 KV Transmission Lines

Sl. No.	Name of Lines	Length in Route kilometers	Length in Ckt. kilometers	No. of Ckt.	Conductor	
					Name	Size
1	Siddhirganj - Shahjibazar	138	276	Double	Grosbeak	636 MCM
2	Shahjibazar - Chatak	150	300	Double	Grosbeak	636 MCM
3	Siddhirganj - Kaptai	273	546	Double	Grosbeak	636 MCM
4	Kulshi - Halishahar	13	26	Double	Grosbeak	636 MCM
5	Comilla South -Chandpur	61	122	Double	Linnet + Grosbeak	(336.4 + 636) MCM
6	Comilla North -Comilla South	16	32	Double	Grosbeak	636 MCM
7	Ashuganj - Jamalpur	166	332	Double	Grosbeak	636 MCM
8	Madanhat - Sikalbaha	13	26	Double	Grosbeak	636 MCM
9	Sikalbaha - Dohazari	35	70	Double	Grosbeak	636 MCM
10	Sikalbaha - Julda	5	5	Single	AAAC	804 sq.mm
11	Julda-Halisahar	8	8	Single	AAAC	804 sq.mm
12	Kulshi - Baraulia	13	13	single	Grosbeak	636 MCM
	Khulshi-Abul Khair	9	9	single	Grosbeak	636 MCM
	Abul Khair-Baraulia	4	4	single	Grosbeak	636 MCM
13	Madanhat - Kulshi	13	13	Single	Grosbeak	636 MCM
14	Madanhat - Kulshi	13	13	Single	Grosbeak	636 MCM
15	Kaptai - Baraulia	58	116	Double	Grosbeak	636 MCM
16	Dohazari - Cox's Bazar	87	174	Double	Grosbeak	636 MCM
17	Feni - Chowmuhani	32	64	Double	Grosbeak	636 MCM
18	Baraulia - Kabir Steel	4	4	Single	Grosbeak	636 MCM
19	Mymensingh - Netrokona	34	68	Double	Grosbeak	636 MCM
20	Goalpara - Ishurdi	169	338	Double	AAAC	804 MCM
21	Ishurdi - Bogra	103	206	Double	AAAC	804 MCM
22	Bogra - Saidpur	140	280	Double	AAAC	804 MCM
23	Saidpur - Thakurgaon	64	128	Double	AAAC	804 MCM
24	Goalpara - Bagerhat	45	45	Single	AAAC	804 MCM
25	Barisal - Bhandaria - Bagerhat	80	80	Single	HAWK	477 MCM
26	Bagerhat - Mangla	31	31	Single	HAWK	477 MCM
27	Barisal - Patuakhali	37	37	Single	Grosbeak	636 MCM
28	Bheramara - Faridpur - Barisal	225	450	Double	HAWK	477 MCM
29	Rajshahi - Natore	40	40	Single	HAWK	477 MCM
30	Ishurdi - Baghabari - Shahjadpur	57	57	Single	HAWK	477 MCM
31	Ishurdi - Pabna - Shahjadpur	56	56	Single	Grosbeak	636 MCM
32	Bogra - Sirajganj	66	132	Double	Grosbeak	636 MCM
33	Sirajganj-Shahjadpur	34	34	Single	Grosbeak	636 MCM
34	Rajshahi - Nawabganj	47	94	Double	Grosbeak	636 MCM
35	Rangpur - Lalmonirhat	38	38	Single	Grosbeak	636 MCM
36	Bogra - Noagaon	52	104	Double	Grosbeak	636 MCM
37	Kabirpur - Tangail	51	102	Double	Grosbeak	636 MCM
38	Tongi - Mirpur - Kall.pur - Hasbad	49	98	Double	Grosbeak	636 MCM

Sl. No.	Name of Lines	Length in Route kilometers	Length in Ckt. kilometers	No. of Ckt.	Conductor	
					Name	Size
39	Tongi-New tongi	0.5	1	Double		
40	Hasnabad - Shyampur - Haripur	40	80	Double	Grosbeak	636 MCM
41	Siddhirganj - Ullon	16	32	Double	Grosbeak	636 MCM
42	Siddhirganj -Matuil- Maniknagar	10	10	Single	Grosbeak	636 MCM
43	Siddhirganj - Maniknagar	10	10	Single	Grosbeak	636 MCM
44	Maniknagar - Bangabhaban	3	6	Double	Cu.Cable	240 sq.mm
45	Maniknagar - Narinda	5	10	Double	Cu.Cable	240 sq.mm
46	Ullon - Dhanmondi	5.5	11	Double	Cu.Cable	240 sq.mm
47	Ullon - Dhanmondi	5.5	11	Double	XLPE	800 sq.mm
48	Tongi - Kabirpur - Manikganj	56	112	Double	Grosbeak	636 MCM
49	Ullon - Rampura -Tongi	23	46	Double	Grosbeak	636 MCM
50	Rampura-Mogbazar	4.5	9	Double	Grosbeak	636 MCM
51	Ghorasal - Joydebpur	26	52	Double	Grosbeak	636 MCM
52	Baghabari - Shahjadpur	7	14	Double	Grosbeak	636 MCM
53	Chandpur - Chowmuhani	75	150	Double	Grosbeak	636 MCM
54	Barapukuria-Rangpur	45	90	Double	Grosbeak	636 MCM
55	Barapukuria-Saidpur	36	72	Double	Grosbeak	636 MCM
56	Madaripur-Gopalganj	45	45	Single	AAAC	804 MCM
57	Khulna(C)-Khulna(S)	9	18	Double	Twin AAAC	37/4.176 mm.
58	Khulna(S)-Satkhira	56	56	Single	AAAC	804 MCM
59	Rajshahi - Natore	40	40	Single	Grosbeak	636 MCM
60	Matuail In-Out from Hari-Manik	5.5	11	Double	Grosbeak	636 MCM
61	Rampura-Gulshan U/G Cable	3.3	6.6	Double	XLPE	800 sq.mm
62	Sikalbaha-Bakulia	4	8	Double	Grosbeak	636 MCM
63	Julda-Shahmirpur	7	14	Double	Grosbeak	636 MCM
64	Kamrangirchar In-Out from Has-Kal	3	6	Double	Grosbeak	636 MCM
65	Kulshi-Bakulia	15	30	Double	Grosbeak	636 MCM
66	Haripur-Maniknagar	12	12	Single	Grosbeak	636 MCM
67	Joydebpur-Kabirpur	15	30	Double	Grosbeak	636 MCM
68	Sikalbaha-Shahmirpur	9	18	Double	Grosbeak	636 MCM
69	Kulshi-Halishahar (Open at Kulshi)	13	13	Single	Grosbeak	636 MCM
70	Bogra Old-Bogra New	3	6	Double	Twin AAAC	37/4.176 mm.
71	Ashuganj-Shahjibazar Single Ckt.	53	53	Single	Grosbeak	636 MCM
72	Khulna (S) - Gallamari	4.2	8.4	Double	Grosbeak	636 MCM
73	Noagaon-Niamotpur	46	46	Single	AAAC	804 MCM
74	Aminbazar-Savar	15.8	31.6	Double	Grosbeak	636 MCM
75	Jhenaidah-Magura	26	26	Single	Grosbeak	636 MCM
76	Jhenaidah-Chuadanga	39	39	Single	Grosbeak	636 MCM
77	Naogaon-Joypurhat	46	46	Single	Grosbeak	636 MCM
78	Thakurgoan-Panchagor	45	45	Single	AAAC	636 MCM
79	Megnaghat S/S to Megnaghat Rental PP	5	10	Double	Grosbeak	636 MCM
80	Shiddhirganj to Siddhirganj Dutch Bangla PP	2.4	2.4	sinlge	Grosbeak	636 MCM

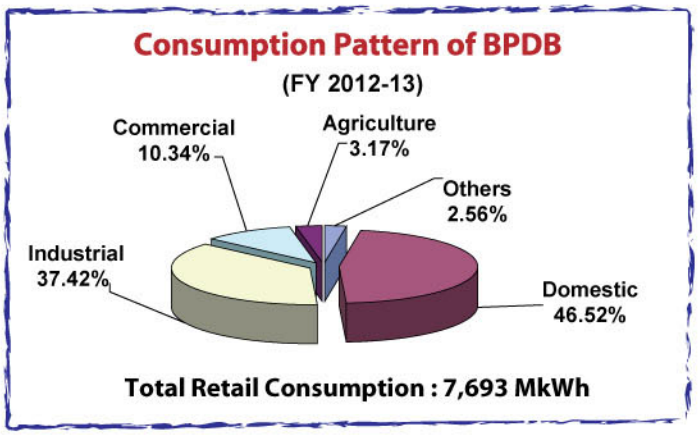
Sl. No.	Name of Lines	Length in Route kilometers	Length in Ckt. kilometers	No. of Ckt.	Conductor	
					Name	Size
81	In-out at Ashuganj-Shahjibazar 132 kV line to B.Baria	11.1	44.4	Four	Grosbeak	636 MCM
82	In-out at Haripur-Daudkandi 132 kV line to Meghnaghat	10.26	41.04	Four	AAAC	636 MCM
83	In-out at Megnaghat-Comilla(N) 132 kV line to Daudkandi	19.5	78	Four	AAAC	636 MCM
84	Goalpara-Khulna (c) 132 kV U/G Cable	2.4	2.4	single		
85	Noapara PP to Noapara Ss	1.6	1.6	single		
86	Daudkandi PP to Daudkandi ss	1.2	1.2	single		
87	Gopalganj PP to Gopalganj ss	1.2	1.2	single		
88	Shiddhirganj desh energy PP to Siddhirganj ss	2.5	2.5	single		
89	Faridpur pp to faridpur -bheramara 132 kV line.	1	1	single		
90	Bera pp to bagagari -ishridi line	4.5	4.5	single		
91	Amnura pp to Rajshahi-chapai	12.6	12.6	single		
92	In-out of Hasnabad-kallayanpur line to keraniganj pp	7.5	30	is connected another two will connect.		
93	Madanganj-Munsiganj 132 kV line	10	20			
	Total	**3505**	**6148**			

5 th meeting of Bangladesh-India Joint Steering Committee on Power Sector held at Dhaka.

DISTRIBUTION TABLES & CHARTS

Distribution Zone Wise Energy Import & Energy Sales Statistics of BPDB

Distribution Zone's Name	Energy Imported (MkWh)		Energy Sold (MkWh)		Distribution System loss (%)		% Change over the previous year
	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13	
Mymenshing	1098.23	1219.22	928.76	1028.95	15.43	15.61	1.17
Chittagong	3160.45	3356.02	2864.98	3047.24	9.35	9.2	-1.60
Comilla	941.20	1015.78	844.47	909.57	10.28	10.46	1.75
Sylhet	701.18	732.44	567.98	609.36	19.00	16.80	-11.58
Rangpur	815.80	887.28	701.15	760.56	14.05	14.28	1.64
Rajshahi	1386.46	1494.43	1208.26	1306.03	12.85	12.61	-1.87
Others	33.14	32.10	32.63	31.66	1.53	1.39	-9.15
Total	**8136.45**	**8737.27**	**7148.22**	**7693.37**	**12.15**	**11.95**	**-1.65**



Secretary, Power Division in a meeting with BPDB high officials.

Distribution Zone Wise Billing & Collection Statistics of BPDB

Distribution Zone's Name	Billed Amount (Million Tk)		Collected Amount (Million Tk)		Accounts Receivable (Million Tk)		% increase over the previous year	Coll/Bill Ratio (%)		C/I Ratio (%)	
	2011-12	2012-13	2011-12	2012-13	2011-12	2012-13		2011-12	2012-13	2011-12	2012-13
Mymenshing	3772.98	5198.99	3470.32	4687.68	1259.76	1755.08	39.32	91.98	90.17	77.78	76.09
Chittagong	13084.80	17716.13	12651.39	17186.96	2020.59	2604.28	28.89	96.69	97.01	87.65	88.09
Comilla	3726.73	5054.87	3598.78	4858.76	709.16	911.97	28.60	96.57	96.12	86.64	86.07
Sylhet	2482.85	3412.63	2330.56	3163.03	705.29	937.64	32.94	93.87	92.69	76.04	77.11
Rangpur	3047.23	4147.43	2826.30	3835.69	946.45	1277.68	35.00	92.75	92.48	79.72	79.27
Rajshahi	5146.72	7021.41	4839.99	6666.10	1259.09	1626.46	29.18	94.04	94.94	81.95	82.97
Others	149.37	197.99	135.07	165.99	92.62	107.46	16.02	90.43	83.83	-	-
Total		**42749.45**	**29852.40**	**40564.20**	**6992.96**	**9220.57**	**31.86**	**95.04**	**94.89**	**83.50**	**83.55**

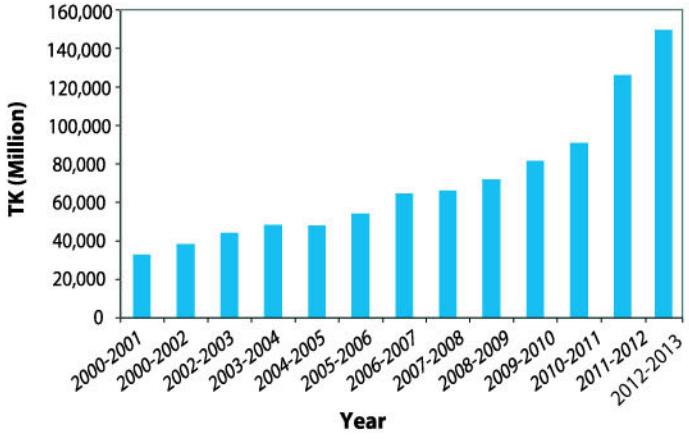
Revenue Collection of BPDB

Year	Million Taka	% Change over preveous year
1995-96	16,791	7.05
1996-97	16,015	-4.62
1997-98	17,199	7.39
1998-99	16,235	-5.61
1999-00	22,450	38.28
2000-01	27,017	20.34
2001-02	31,373	16.12
2002-03	36,066	14.96
2003-04	39,608	9.82
2004-05	39,177	-1.09
2005-06	44,284	13.03
2006-07	52,799	19.23
2007-08	54,060	2.39
2008-09	58,922	8.99
2009-10	66,776	13.33
2010-11	74,303	11.27
2011-12	102,242	37,60
2012-13	151,711	48,38

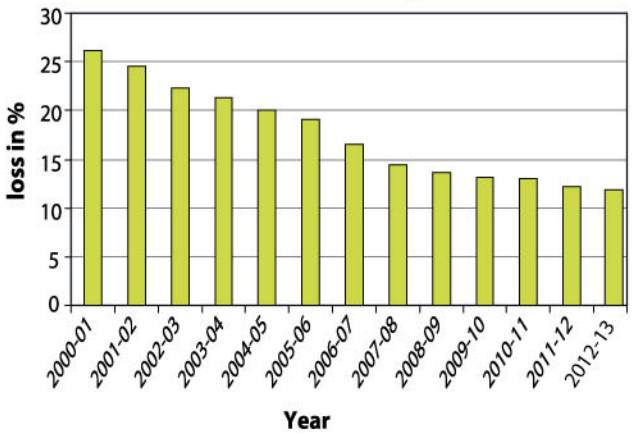
Distribution System Loss

Year	Distribution System loss In %
1991-92	35.79
1992-93	31.24
1993-94	30.72
1994-95	29.94
1995-96	29.09
1996-97	28.28
1997-98	29.82
1998-99	30.56
1999-00	27.73
2000-01	26.11
2001-02	24.5
2002-03	22.35
2003-04	21.33
2004-05	20.00
2005-06	19.06
2006-07	16.58
2007-08	14.43
2008-09	13.57
2009-10	13.10
2010-11	13.06
2011-12	12.15
2012-13	11.95

Net Revenue Collection



BPDB Distribution System Loss



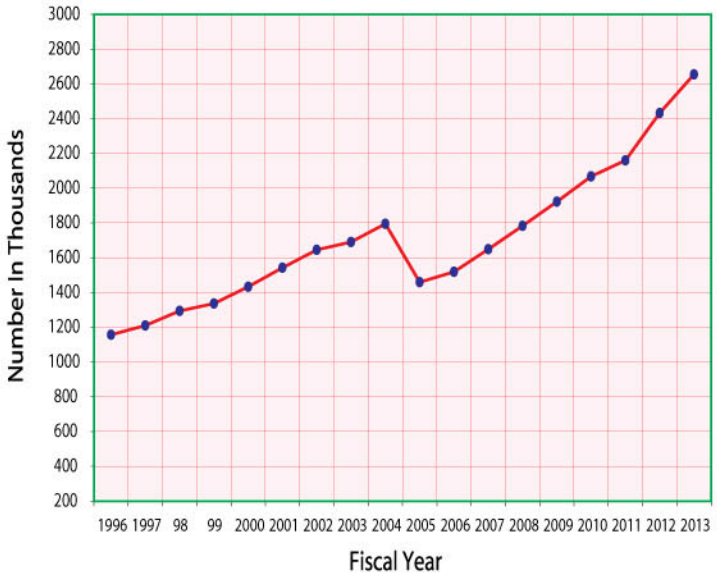
Category Wise Consumer Growth

In Nos.

Year	Domestic	Agriculture	Small Industrial	Small Commercial	Large Inds. & Comm.	REB	DPDC/ Others	DESCO	WZPDCL	Others	Total	% Increase Over the Preceeding Year
	A	B	C	E	F+H	I	G	G1	G2	D+J		
1981-82	390,450	5,549	40,703	204,834	1,403	16				2,121	645,076	
1982-83	418,532	6,603	34,595	205,629	1,531	22				2,287	669,199	3.74
1983-84	461,043	7,754	35,762	214,250	1,632	25				7,119	727,585	8.72
1984-85	518,532	8,637	39,730	226,670	1,657	33				8,508	803,767	10.47
1985-86	574,907	11,773	42,688	244,703	1,798	37				12,704	888,610	10.56
1986-87	632,814	10,885	45,666	257,510	1,931	48				14,238	963,092	8.38
1987-88	697,254	12,279	47,057	266,258	1,922	51				13,568	1,038,389	7.82
1988-89	784,951	14,104	48,659	285,629	2,027	59				16,253	1,151,682	10.91
1989-90	815,059	10,705	47,454	281,818	2,975	67				16,494	1,174,572	1.99
1990-91	853,959	12,828	48,479	287,498	3,251	77				17,872	1,223,964	4.21
1991-92	606,627	11,675	35,943	231,450	1,294	82	6			15,924	903,001	-26.22
1992-93	649,173	16,670	36,969	230,096	1,375	93	6			18,227	952,609	5.49
1993-94	708,118	17,854	38,395	237,922	1,437	102	6			22,015	1,025,849	7.69
1994-95	750,273	17,974	39,702	245,234	1,486	118	6			20,941	1,075,734	4.86
1995-96	811,370	19,807	41,313	260,167	1,514	130	6			22,365	1,156,672	7.52
1996-97	858,354	17,878	42,248	267,197	1,595	143	6			22,711	1,210,132	4.62
1997-98	923,117	18,387	43,856	283,032	1,714	158	6			23,393	1,293,663	6.90
1998-99	963,319	17,142	43,742	287,636	1,748	178	6			23,099	1,336,870	3.34
1999-00	1,043,977	17,872	44,793	299,896	1,801	179	6			24,293	1,432,817	7.18
2000-01	1,134,074	18,293	45,816	316,629	1,890	182	6			25,760	1,542,650	7.67
2001-02	1,221,324	17,215	46,068	331,224	1,999	199	6			26,720	1,644,755	6.62
2002-03	1,270,727	15,084	44,432	331,997	2,038	212	6			25,955	1,690,451	2.78
2003-04	1,359,724	14,284	44,018	347,635	2,183	246	4	1		26,863	1,794,958	6.18
2004-05	1,114,679	12,484	34,472	273,957	1,867	266	4	1	1	21593	1,459,324	-18.70
2005-06	1,165,265	14,911	34,574	280,079	2,010	275	4	1	1	21771	1,518,891	4.08
2006-07	1,272,144	17,693	35,561	297,213	2,163	184	5	1	1	23450	1,648,415	8.53
2007-08	1,385,424	21,191	37,065	312,041	2,299	185	5	1	1	25083	1,783,295	8.18
2008-09	1,495,195	25,175	39,114	333,818	2,534	185	5	1	1	26333	1,922,361	7.80
2009-10	1,621,596	28,724	40,903	345,605	2,689	185	6	1	1	27628	2,067,338	7.54
2010-11	1,704,936	30,523	41,607	351,673	2,846	185	7	1	1	27846	2,159,625	4.46
2011-12	1,947,827	36,506	43,241	372,245	3,184	70	7	1	1	28973	2,432,055	12.61
2012-13	2,146,940	39,810	44,809	386,947	3,464	70	9	1	1	31968	2,654,019	9.13

A = Residential Light & Fan, **B** = Agricultural pump, **C** = Small Industry, **D** = Non residential light & Fan,
E = Commercial, **F** = Medium voltage general **G** = DPDC/Others **H** = High voltage general purpose,
I = REB/PBS, **J** = Street light and water pump

Consumer Growth



Electrification of Thana Villages and Pumps

Year	Upazila/ Thana (Nos.)	Village (Nos.)	Hat/Bazar (Nos.)	Deep, Shallow & Low Lift Pumps(Nos.)
1971-72	111	250	--	551
1972-73	123	300	--	551
1973-74	133	326	--	594
1974-75	161	500	--	710
1975-76	237	1024	--	984
1976-77	295	1424	410	1280
1977-78	321	1518	448	1911
1978-79	335	1596	481	2317
1979-80	357	1675	506	4406
1980-81	377	1675	786	6155
1981-82	388	1956	903	7270
1982-83	403	2054	1050	8287
1983-84	417	2104	1078	8559
1984-85	422	2191	1096	8762
1985-86	432	2361	1181	9368
1986-87	437	2461	1231	9593
1987-88	437	2561	1275	9875
1988-89	438	2612	1326	10428
1989-90	438	2,657	1,371	11,031
1990-91	438	2,717	1,391	12,331
1991-92	438	2,767	1,411	14,033
1992-93	438	2,807	1,431	16,023
1993-94	438	2,837	1,446	16,943
1994-95	443	2,867	1,466	17,193
1995-96	443	2,927	1,513	18,622
1996-97	443	3,017	1,581	19,774
1997-98	443	3,061	1,613	19,969
1998-99	443	3,111	1,668	20,157
1999-00	443	3,201	1,718	20,307
2000-01	443	3,292	1,768	20,467
2001-02	443	3,356	1,858	20,687
2002-03	443	3,400	1,958	20,812
2003-04	443	3,432	2,040	20,928
2004-05	443	3,478	2,080	20,993
2005-06	443	3,495	2,113	21,020
2006-07	443	3,495	2,113	21,020
2007-08	443	3,495	2,113	21,020
2008-09	221	4,204	1,410	26,572
2009-10 *	236	4,792	1,626	29,626
2010-11 *	236	4,792	1,780	30,405
2011-12 *	236	4,810	1,880	30,933
2012-13 *	236	5,344	1,863	36,232

* Excluding DPDC, DESCO, WZPDCO & REB

Total Electrified Areas & Consumer Numbers of BPDB

(As of June 2013)

Sl. No.	Name of Divi./ESU	Total Electrified Area					Total Consumers
		Thana/ Upazila	Ward	Village	Hat/ Bazar	Deep Shallow & Low Fit Pump	
	Southern Zone, Chittagong						
	O & M Circle, Chatta-Metro (East)						
1	S & Patharghata	2	3	0	0	0	40440
2	S & D Stadium	2	5	0	0	0	26455
3	S & D Sholoshar	3	4	0	6	0	40951
4	S & D Kalurghat	2	5	0	11	0	40168
5	S & D Bakalia	4	5	0	10	9	49389
6	S & D Matarbari	2	3	0	0	0	25709
	O & M Circle, Chatta-Metro (West)						
7	S & D Agrabad	2	4	0	0	0	37123
8	S & D Halisahar	3	6	0	11	0	54315
9	S & D Khulshi	3	8	0	0	0	28896
10	S & D Pahartali	2	3	0	3	0	45818
11	S & D Rampur	2	3	0	2	0	31477
	O & M Circle, Chatta-Metro (North)						
12	DD-Fouzderhat	1	30	50	25	0	16963
13	S & D Hathazari	1	0	30	15	13	30255
14	S & D Barabkunda	1	3	10	15	4	19365
15	S & D Mohara	2	11	18	4	21	20925
	O & M Circle, Chatta-Metro (South)						
15	Dist. Divn. Patiya	11	61	186	50	226	43347
16	Dist. Divn. Cox's Bazar	9	80	56	42	317	49325
	O & M Circle, Rangamati						
17	Dist. Divn. Rangamati	8	99	240	24	23	29204
18	Dist. Divn.Khagrachari	12	116	293	50	99	31117
19	Bandarban	3	36	128	12	10	8770
	Sub Total	**75**	**485**	**1011**	**280**	**722**	**670012**
	Comilla Zone						
	O & M, Comilla						
1	S & D-1, Comilla	3	20	97	22	127	50086
2	S & D-2, Comilla	2	4	120	30	120	45571
3	S & D-3, Comilla	1	10	72	6	98	23217
4	S & D Chandpur	1	15	25	11	13	32629
5	Dist. Div. B. Baria	6	17	125	32	1216	94984
6	Dist. Divn. Noakhali	3	14	37	24	19	38206
7	Dist. Div. Feni	2	18	10	3	108	47686
8	S & D Laxmipur	1	12	12	1	65	17584
9	S & D Chowmohani	1	12	9	8	1	20236
	Sub Total	**20**	**122**	**507**	**137**	**1767**	**370199**
	Central Zone, Mymenshing						
	O & M Circle, Mymensingh						
1	S & D -1(N)	7	93	190	130	4026	81655
2	S & D -2 (S)	3	125	250	85	1149	63283
3	S & D Goffargoan	1	15	70	40	773	20528
4	Netrokona E/S	1	9	20	8	645	18832
5	Dist. Div. Kishorgonj	2	30	120	30	267	33549
6	Bhairab E/S	2	30	60	25	532	31606
7	Dist. Div. Sherpur	5	50	110	80	2239	39410
	O & M Circle, Tangail						
7	S & D, Tangail	4	36	151	78	2980	61952
8	Dist. Divn. Tangail	8	73	97	96	2968	51393
9	S & D, Shakhipur	5	9	70	54	655	38535
10	Dist. Div. Jamalpur	3	24	69	9	1439	35921
	Sub Total	**41**	**494**	**1207**	**635**	**17673**	**476664**

Sl. No.	Name of Divi./ESU	Total Electrified Area					Total Consumers
		Thana/ Upazila	Ward	Village	Hat/ Bazar	Deep Shallow & Low Fit Pump	
	Sylhet Zone						
	O & M Circle, Sylhet						
1	S & D-1	1	20	12	25	4	68556
2	S & D-2	1	6	40	40	0	52166
3	S & D-3	3	40	120	42	1	23802
4	Dist. Div. Moulavibazar	5	16	172	22	43	33054
5	Dist. Div. Sylhet	11	83	320	44	52	53159
6	S & D Kulaura	4	9	80	15	0	23808
	Sub Total	**25**	**174**	**744**	**188**	**100**	**254545**
	Rajshahi Zone						
	O & M Circle, Bogra						
1	S & D -1	2	6	34	10	51	37000
2	S & D -2	1	8	41	17	332	55598
3	S & D Sherpur	1	9	74	12	400	19822
4	S & D Dupchachia	2	27	80	14	435	16956
6	Santahar E/s	3	33	82	9	550	24109
5	Shibgonj E/S	2	6	14	4	197	8750
8	Joypurhat E/S	1	9	48	5	225	15606
7	Naogaon E/S	2	16	70	65	264	37449
	O & M Circle, Pabna						
6	S & D-1	1	-	-	-	13	19123
7	S & D-2	1	-	-	-	33	21448
8	Ishurdi	2	-	-	-	260	22520
9	Sirajgonj	1	-	-	-	395	35660
	O & M Circle, Rajshahi						
10	S & D-1	5	11	23	7	16	35193
11	S & D-2	3	6	22	14	109	36205
12	S & D-3	6	25	42	14	107	31418
13	S & D-4	2	6	0	8	19	22169
14	Chapai nowabgonj E/S	2	20	105	15	245	40563
15	Natore E/S	1	9	0	6	27	17820
16	Gomostapur E/S	2	52	245	26	666	16967
17	Shibgonj E/S	1	20	35	9	80	10080
18	Godagari E/S	1	44	220	30	237	13602
19	Tanor E/S	1	0	13	6	127	4343
	Sub Total	**43**	**307**	**1148**	**271**	**4788**	**542401**
	Rangpur Zone						
	O & M Circle, Rangpur						
1	S & D -1	2	22	33	14	64	31839
2	S & D -2	1	8	0	10	103	25380
3	Dist. Div. Rangpur	5	28	167	86	3861	29301
4	Dist. Div. Sayedpur	2	18	10	13	240	22674
5	Dist. Div. Nilphamari	1	9	12	13	1001	13828
6	Dist. Div. Kurigram	1	9	8	15	634	15430
7	Dist. Div. Gaibandha	7	21	126	25	2136	44731
8	Dist. Div. Lalmonirhat	3	9	92	61	2101	33967
	O & M Circle, Dinajpur						
9	S & D-1, Dinajpur	3	16	28	20	317	34840
10	S & D-2, Dinajpur	2	13	25	8	153	30447
11	Dist. Div. Thakurgaon	3	29	81	32	267	19039
12	Dist. Div. Panchagar	2	16	145	55	305	17707
	Sub Total	32	198	727	352	11182	319183
	Total	**236**	**1780**	**5344**	**1863**	**36232**	**2633004**

Synopsis of Distribution lines of BPDB

(As of June 2013)

Name of the Divi. /ESU	Sub-Station Name	33 KV Feeder Length (km)	11 KV Feeder Length (km)	0.4 KV Feeder Length (km)
Southern Zone, Chittagong				
O & M Circle, Chatta-Metro (East)				
S & D Pathargahta	Patharghata	19	36	53
S & D Stadium	Stadium	29	75	95
S & D Sholoshar	Sholoshahar	60	65	230
S & D Kalurghat	Kalurghat	20	173	160
	Muradpur	10	76	126
S & D Bakulia	Bakulia	0	130	204
S & D Madarbari	Madarbari	12	48	100
O & M Circle, Chatta-Metro (West)				
S & D Agrabad	Agrabad	33	95	117
S & D Halisahar	Halishahar	38	35	50
	Newmoring	7	38	75
	Patenga	10	53	85
S & D Khulshi	Khulshi	8	22	19
	Jalalabad	7	34	29
S & D Pahartali	Pahartali	27	109	2
S & D Rampur	Rampur	21	56	92
O & M Circle, Chatta-Metro (North)				
Dist. Divn. Fouzderhat	Fouzderhat	20	50	60
	Baroulia	50	40	45
S & D Hathazari	Hathazari	110	99	230
	Nazirhat			
S & D Barabkunda	Barabkunda	15	60	120
S & D Mohara	Madughat	17	0	0
	Mohara	5	176	218
O & M Circle, Chatta-Metro (South)				
Dist. Divn. Potiya	Patiya	0	29	49
	Fishharbor	0	31	38
	Sikalbhaha	77	28	41
	Julda	20	16	24
	Sahmirpur	5	0	0
	Dohazari	41	22	68
	Satkania	0	20	54
Dist. Divn. Cox's Bazar	Zilonza	55	146	133
	Aziznagar	44	23	7
	Chakaria	65	125	43
O & M Circle, Rangamati				
Dist. Divn. Rangamati	Vedvedi (Rangamati)	91	264	117
	Majerbosti	6	25	20
	Kaptai	75	98	126
	Kaptai (132/11)			
	Ghagra	0	10	8
Dist. Divn. Khagraharii	Jalipara	50	129	140
	Ramgarh	65	23	52
	Khagrachari	35	90	270
	Dighinala	22	127	182
	Mohalchari	43	82	79
Dist. Divn. Bandarban	Adjac. to Office	75	223	205
Sub-Total		**1285**	**2978**	**3764**

Name of the Divi. /ESU	Sub-Station Name	33 KV Feeder Length (km)	11 KV Feeder Length (km)	0.4 KV Feeder Length (km)
Comilla Zone				
O & M Circle, Comilla				
S & D- 1, Comilla	Kotbari	51	40	91
	Kaliajuri	0	132	243
Burichang E/S	Palpara	8	45	105
S & D- 2, Comilla	Balutupa	13	107	228
	Chouddagram	33	32	11
S & D- 3, Comilla	Jangalia	0	37	149
	Daulatgonj	18	38	160
S & D, Chandpur	Balur Math	2	31	96
	Puran Bazar	0	30	67
Dist. Divn.B. Baria	Kalabaghan	27	39	32
	Datiara	40	92	123
	Ghatura	5	100	68
	ZFCL	10	0	0
	Shabazpur	0	46	79
O & M Circle, Noakhali				
Dist. Divn.Noakhali	Maijdee	10	15	35
	Datterhat	20	74	160
	Chamuhani	0	81	121
	Hatya	0	60	30
S & D, Laxmipur	Laxmipur	75	58	300
Dist. Divn.Feni	Feni	81	86	328
	Dagonbuyan	13	25	60
Sub-Total		**406**	**1167**	**2486**
Central Zone, Mymensingh				
O & M Circle, Mymensingh				
S & D- (N)	Akua	27	75	130
	Shambugonj	12	95	100
	Fulpur	30	120	230
	Gauripur	22	81	150
S & D- (S)	Kewatkhali	0	220	200
	Batircal	6	65	100
	Trisal	35	110	80
	Bhaluka	56	185	200
S & D Goffargoan	Goffargoan	48	250	300
Netrokona E/S	Satpai Netrokona	7	74	125
Bhairab E/S	Bhairab	40	100	170
Sherpur E/S	Sherpur	40	280	485
Dist. Divn. Kishorgonj	Josodal	0	115	80
	Mollapara	7	50	20
	Sararchar	45	110	120
O & M Circle, Tangail				
S & D Tangail	Betka	8	186	311
	Kachuadanga	22	235	654
Dist. Divn. Tangail	Bhuapur	26	90	175
	Ghatail	30	118	368
	Kalihati	20	60	240
	Shakipur	25	425	910
Dist. Divn. Jamalpur	Bojrapur	90	124	228
	Shekhervita			
	Sharishabari	0	42	165
Sub-Total		**596**	**3210**	**5541**

Name of the Divi. /ESU	Sub-Station Name	33 KV Feeder Length (km)	11 KV Feeder Length (km)	0.4 KV Feeder Length (km)
Sylhet Zone				
O & M Circle,Sylhet				
S & D -1	Ambarkhana	7	68	208
	Kumargaon	0	151	206
S & D -2	Upshahar	22	77	222
	Botessor	47	115	318
S & D -3	Boroikandi	34	117	468
O & M Circle, PDB, Moulovibazar				
Dist. Divn. Sylhet	Sunamgonj	25	43	59
	Derai	42	70	140
	Jaintapur	0	62	182
	Jogonnathpur	43	113	170
	Chattak	65	76	203
Dist. Div. Moulvibazar	Bagbari	82	92	350
	Hobigonj	28	75	320
S & Kulaura	Kulaura	141	110	688
Sub-Total		**536**	**1169**	**3534**
Rajshahi Zone				
O & M Circle, Rajshahi				
S & D -1	Katakhali	0	95	175
	Talaimari	10	64	145
S & D -2	Horogram	23	142	28
S & D -3	Shalbagan	14	101	123
	Bimanbondor	22	152	70
S & D -4	City Central	23	90	105
Chapai nowabgonj E/S	Huzrapur	5	97	92
	Bottola	4	69	75
Gomostapur	Roanpur	35	205	380
Shibgonj	Shibgonj	24	55	65
Godagari	Godagari	25	103	350
Natore ESU	Horispur	0	42	12
	Alaipur	5	33	8
O & M Circle, Pabna				
S & D -1	Laskaspur	16	58	115
S & D -2	Nurpur	7	51	79
	Shatiani			
Ishurdi E/S	Jaynagor	40	43	65
	Patilkhali	8	50	78
Sirajgonj E/S	Bahirgola	11	17	16
	Raypur	8	33	20
	Shahjadpur	30	0	0
O & M Circle, Bogra				
S & D -1	Rahmannagar	9	66	88
S & D -2	Shibbati	9	102	134
	Puran Bogra	1	71	75
S & D Sherpur	Sherpur	22	109	171
S & D Dupchachia	Dupchachia	30	122	123
Santahar E/S	Kathaltoly	0	58	188
Shibgonj E/S	-	0	29	27
Joypurhat E/S	Joypurhat	0	145	251
Naogaon E/S	Kathaltoly	0	60	58
	Baludanga	11	0	0
Sub-Total		**390**	**2259**	**3116**

Name of the Divi. /ESU	Sub-Station Name	33 KV Feeder Length (km)	11 KV Feeder Length (km)	0.4 KV Feeder Length (km)
Rangpur Zone				
O & M Circle, Rangpur				
S & D -1, Rangpur	Lalbag	0	203	210
S & D -2, Rangpur	Katkipara	12	77	100
Dist. Divn. Sayedpur	Golahat	5	41	50
	Niamotpur	20	82	160
Dist. Div. Kurigram	Kurigram	32	70	145
Dist. Div. Nilphamari	Nilphamari	22	312	390
Dist. Div. Rangpur	Jaldhaka	23	64	44
	Domar	22	128	110
	Doani, Patgram	30	429	54
Dist. Div. Lalmonirhat	Hatibandha	14	59	37
	Kaligonj	40	63	520
	Lalmonirhat	15	70	620
Dist. Divn. Gaibandha	Gaibandha	45	140	100
	Gobindoganj	25	27	107
	Palashbari	0	27	26
O & M Circle, Dinajpur				
S & D -1	Fakirpara-1	18	65	140
	Parbotipur	35	35	5
	Setabgonj	24	20	33
S & D -2	Balubari	25	25	250
	Phulbari	12	89	35
Dist. Divn. Thakurgaon	Goalpara	10	21	136
	PS	1	17	29
Dist. Divn. Panchagar	Panchagar	47	196	88
	Tetulia	38	85	10
Sub-Total		515	2345	3399
Total		**3728**	**13128**	**21839**

A seminar on Coal Based Power Plant

33/11 KV Sub-stations of BPDB

(As of June 2013)

Sl. No.	Name of the Division	Name of the 33/11 KV Sub-Station	Capacity (MVA)	Maximum Demand (MW)
	Southern Zone, Chittagong			
	O & M Circle, Chatta-Metro (East)			
1	S & D Patharghata	Patharghata	10	32.5
2	S & D Stadium	Stadium	2x16/20	28
3	S & D Sholoshar	Sholoshar	1x16/20	32
			2x16	
4	S & D Kalurghat	Kalurghat	1x16/20	30
			1x16	
		Muradpur	2x16/20	31
5	S & D Bakalia	Bakalia	2x16/20	27
6	S & D Madarbari	Madarbari	2x16/20	26
	O & M Circle, Chatta-Metro (West)			
7	S & D Agrabad	Agrabad	2x16/20	30
8	S & D Halisahar	Halisahar	2x16/20	22
		Newmooring	2x16/20	25
		Patenga	2x16/20	8
9	S & D Khulshi	Khulshi	2x16/20	24
		Jalalabad	2x16/20	26
10	S & D Pahartali	Pahartali	2x16/20	26
11	S & D Rampur	Rampur	2x16/20	24
	O & M Circle, Chatta-Metro (North)			
12	Dis. Div. Fouzderhat	Baroulia	2x16/20	40
		Fouzderhat	2x16/20	40
13	S & D, Hathazari	Hathazari	1x16/20	12
			1x10/12.33	5.5
14	S & D Barabkunda	Barabkunda	2x16/20	18
		Mohara	2x16/20	17
15	S & D Mohara	Rangunia Sub Station	1x5	3
	O & M Circle, Chatta-Metro (South)			
16	Dist. Divn. Patiya	Patiya	2x10/12	7.5
		Fishharbor	2x10	16
		Julda	1x48/64	26
			2x16/20	3
		shamirpur	2x48/64	14.6
		Shikalbaha	2x28/32	32
			1x16/20	7
		Dohazari	2x48/64	58
			1x16/20	4.5
		Satkania	1x5	3.5
17	Dist. Divn. Cox's Bazar	Zilonza	2x16/20	32
		Chakaria	1x10/13	7
		Aziznagar	1x5/6.5	1.5
	O & M Circle, Rangamati			
18	Dist. Divn. Rangamati	Vedvedi (Rangamati)	2x5	3.5
		Majerbosti	1x10	4
		Kaptai	2x3	1.2
		Ghagra	1x6.65	2
		Kaptai (132/11)	1x20	5
		Chandraghona	33/0.4	1.8
19	Dist. Divn. Khagrachari	Khagrachari	3x1.667	6.5
		Dighinala	3x1.667	3.5
		Mohalchari	3x1.667	1.5
		Jalipara	3x1.667	2.5
		Ramghar	3x1.667	3
20	Dist. Divn. Bandarban	Adjacent to Office	1x5	3.5
		Kasing Ghata	3x1.667	2.5
	Sub-Total		**1205.66/1435.89**	**780.1**

Sl. No.	Name of the Division	Name of the 33/11KV Sub-Station	Capacity (MVA)	Maximum Demand (MW)
	Comilla Zone			
	O & M Circle,Comilla			
21	S & D-1, Comilla	Kotbari	2x10/13.33	19
		Kaliajori	2x10/13.33	19
22	Burichang E/S	Palpara	1x5	4.5
23	S & D-2, Comilla	Balutupa	2x10/13.33	18
		Chouddagram	1x3 1x5	5.5
24	S & D-3, Comilla	Jangalia	2x10/13.33	24
			1x16/20	
25	Daulatgonj E/S	Daulatgonj	1x10	8.5
			1x5	
26	S & D, Chandpur	Balur Math	2x10/13.33	14
		Puran Bazar	1x10/13.33	9
27	Dist. Divn. B. Baria	Ashugonj Network	2x25/41	70
		132/33 KV (Network)	1x25/41.7	
28	B.Baria E/S	Kalabagan	1x10/13.33 1x10	12
		Datiara	1x10/13.33 1x15/20	25
		Ghatura	1x10/13.33 1x10 1x10	20
		ZFCL	1x10/13.33 1x5	7.5
29	Ashugonj E/S	Kalabagan	2x10/13.33	18
			1x10	
30	Sarail E/S	Shabazpur	2x5	7
	O & M Circle,Noakhali			
31	Dist. Divn. Feni	Feni	3x10/13.33	28
32	Bosurhat E/S	Dagonbuyan	2x10/13.33	10
			1x10/13.33	
33	Maijdee E/S	Maijdee	2x10/13.33	18
		Datterhat	1x10/13.33	14
34	Chamuhani E/S	Chamuhani	2x10/13.33	14
35	S & D, Laxmipur	Laxmipur	2x10/13.33	9
	Sub-Total		**489/646.60**	**374**
	Central Zone, Mymensingh			
	O & M Circle,Mymenshingh			
36	S & D (N)	Akua	2x10/13.33	18.3
		Shambuganj	2X5/6.67	6.5
		Fulpur	2x5/6.67 + 1x2.5	11
		Gauripur	2x5/6.67	7
37	S & D (S)	Kewatkhali	3x10/13.33	23
		Batircal	2x10/13.3	15
		Trisal	2x5/6.67	6
		Bhaluka	1x5/6.67	6
38	S & D Goffargoan	Goffargoan	2x5	10
39	Netrokona E/S	Satpai Netrokona	2x10/13.33	11
40	Bhairab E/S	Bhairab	2x10/13.33	25.5
41	Sherpur E/S	Sherpur	"1x10/13.33 1x16/20"	22
42	Dist. Divn. Kishoregonj	Josodal	1x10/13.33	9.5
		Mollapara	2x10/13.33	5.5
		Sararchar	1x5/6.67	5.3
43	S & D Tangail	Batka	3x10/13.33	20
		Kachuadanga	2x10/13.33	12
44	Dist. Divn. Tangail	Bhuapur	2x5	11
		Ghatail	2x10/13.33	16
		Kalihati	3x5	14
		Shakipur	3x5	12
45	Dist. Divn. Jamalpur	Bojrapur	1x10/13.33	3
		Shekhervita	2x10/13.33	13
		Sharishabari	1x5	4
	Sub-Total		**373.5/474.89**	**287**

Sl. No.	Name of the Division	Name of the 33/11KV Sub-Station	Capacity (MVA)	Maximum Demand (MW)
	Sylhet Zone			
	O & M Circle, PDB, Sylhet			
46	S & D 1	Ambarkhana	3x10/13.33	23
		Kumargaon	2x10/13.33	20
47	S & D 2	Upashahar	"2x10/13.331x5"	22
		Botessor	1x10/13.33 1x5	10.5
48	S & D 3	Boroikandi	2x10/13.33	17
	O & M Circle, PDB, Moulovibazar			
49	Dist. Divn. Sylhet	Sunamgonj	2x5	10
		Chattak	1x10/13.33	9.5
		Jogonnanthpur	2x5	4
		Boteshor	-	3
		Derai	1x5	3
50	Dist. Divn. Moulovibazar	Bajbari	2x10/13.33	9
		Hobigonj	2x 5 1x2.5	12
51	S & D, Kulaura	Kulaura	2x5	10
	Sub-Total		**187.50 / 230.79**	**153**
	Rajshahi Zone			
	O & M Circle, PDB, Rajshahi			
52	S & D-1	Katakhali	2x10/13.33	7
		Talaimari	3x10/13.33	15
53	S & D-2	Horogram	2x20/26.67	16.5
54	S & D-3	Shalbagan	2x10/13.33	15
		Bimanbondor	2x10/13.33	9
55	S & D-4	City Central	2x20/26.67	15
56	Chapai Nowabgonj	Hujrapur	2x10/13.33	16.5
		Bot Talar Hat	2x10/13.33	8.5
57	Gomostapur	Rohanpur	2x5	9.75
58	Shibgonj	Shibgonj	1x5	3.8
59	Godagari	Godagari	1.667x3+1x5	6.5
60	Natore E/S	Horispur	2x10/13.33	5
		Alaipur	2x10/13.33	4.25
61	S & D-1	Lashkarpur	2x10/13.33	14
62	S & D-2	Noorpur	1x10/13.33	17
		Satiani	2x10/13.33	
63	Ishurdi E/S	Joynagor	2x10/13.33	20
		Patillakhali	2x10/13.33	
64	Sirajgonj E/S	Bahirgola	2x10/13.33	20
		Raypur	2x10/13.33	
		Shahjadpur	1x10/13.33	5
65	S & D-1	Rahman Nagar	2x10/13.33	18
66	S & D-2	Shibbati	3x10/13.33	22
		Puran Bogra	3x10/13.33	30
67	Dist. Div. Bogra	Sherpur	"1x10/13.332x5"	13
		Dupchachia	5x3	9
68	S & D Santahar	Kathaltoly	4x10/13.33	14
69	Joypurhat E/S	Joypurhat	2x10/13.33	9.5
70	Naogaon E/S	Kathaltoly	4x10/13.33	35
		Baludanga	2x10/13.33	0
	Sub-Total		**650/849.84**	**358**

Sl. No.	Name of the Division	Name of the 33/11KV Sub-Station	Capacity (MVA)	Maximum Demand (MW)
	Rangpur Zone			
	O & M Circle, Rangpur			
71	S & D-1	Lalbag	2x10/13.33	22
72	S & D-2	Katkipara	1x10/13.33 1x16/20	22
73	Dist. Divn. Sayedpur	Golahat	1x10/13.33	11
		Niamotpur	2x10/13.33	15
74	Dist. Divn. Gaibandha	Gaibandha	2x10/13.33	17
		Gobindogonj	1x5 1x2.5	10.5
		Palashbari	1x2.5	4.5
75	Dist. Divn. Kurigram	Kurigram	2x5	6
76	Dist. Divn. Nilphamari	Nilphamari	1x5 1x10	12
77	Dist. Div. Rangpur	Domar	1x5 3x1.667	11
		Jaldhaka	1x5 1x2.5	5
		Patgram	1x5	6
78	Dist. Div. Lalmonirhat	Kaligonj	2x5 1x1.667	9
		Hatibandha	2x5	5
		Lalmonirhat	2x5	10
79	S & D-1	Fakirpara	2x10/13.33	17
		Parbatipur	1x6.67	5
			1x5	
		Setabganj	1x5/6.67	4.5
80	S & D-2	Balubari	2x10/13.33	16
		Phulbari	2x5	6
81	Dist. Div. Thakurgaon	Goalpara	2x10/13.33	12
		PS	2x6.25	4
82	Dist. Div. Panchagar	Panchagar	1x10/13.33	12
		Tetulia	1x5	5
	Sub-Total		**299.34/354.96**	**248**
	Total		**3205/3993**	**2200**

A coordination meeting on irrigation management at power division.

A discussion meeting of PDB officials presided over by Chairman on power situation of the country.

DISTRIBUTION SUMMARY

Sl. No.	Particulars	South zone (Chittagong)	South zone (Comilla)	North Zone (Rajshahi)	North Zone (Rongpur)	Central Zone (Mymensingh)	Central Zone (Sylhet)	Total
1	33/11 kV Sub-Station Capacity (MVA)	1206/1436	489/646	650/850	299/355	373/475	188/231	3205/3993
2	Distribution Lines (k.m)	8028	4059	5765	6258	9347	5239	38696
3	Total no. of Consumers	1047821	370199	542401	319183	476664	254545	3010813
4	Distribution System Loss (%)	9.20	10.46	12.61	14.28	15.61	16.80	11.95

Signing of contract between Bangladesh and India for development of 1320 MW Coal Based Power Plant at Rampal.

SYNOPSIS OF CHITTAGONG P.C. POLE MANUFACTURING PLANT

Details	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
1. Nos. of poles manufactured																
i) 33 kV poles a) 15 x 220	311	981	1,596	842	1,146	1,040	438	1,160	1,071	738	860	1,152	515	959	1,000	1,078
b) 15 x 190	524	163	298	716	676	723	564	1,256	1,901	600	582	499	1322	1929	1115	1110
ii) 11 kV poles 12 x 190	1,581	3,334	4,397	5,471	5,913	9,697	10,185	7,055	6,680	7,884	7,678	3,075	9,698	7379	10000	7784
iii) 0.4 kV poles 9 x 140	5,222	3,548	3,723	6,793	6,639	12,654	9,430	7,825	9,474	7,808	7,285	2,153	4,603	4743	1889	5075
2. Cost per no. of pole (Tk.)																
i) 33 kV poles a) 15 x 220	20,000	20,000	20,000	16,821	16,821	16,821	20,185	23,180	23,180	23,180	31,650	35,740	35,740	35,740	35740	35740
b) 15 x 190	17,000	17,000	17,000	15,150	15,150	15,150	18,180	20,908	20,908	20,908	27,833	32,353	32,353	32,353	32353	32353
ii) 11 kV poles 12 x 190	14,400	14,400	14,400	11,005	11,005	11,005	13,206	15,119	15,119	15,119	18,891	20,383	20,383	20,383	20383	20383
iii) 0.4 kV poles 9 x 140	7,000	7,000	7,000	5,885	5,885	5,885	7,062	7,902	7,902	7,902	8,310	8,629	8,629	8,629	8629	8629
3. Production Capacity (Nos.)																
i) 33 kV poles a) 15 x 220	800	1,000	600	800	1,500	1,000	460	2,000	2,000	2,000	2,000	2,000	2,000	2,000	1000	1000
b) 15 x 190	1,000	500	500	700	800	600	600	2,000	2,000	2,000	2,000	2,000	2,000	2,000	1500	1500
ii) 11 kV poles 12 x 190	4,000	4,000	5,000	4,000	8,400	8,400	10,725	7,500	7,500	7,500	7,500	7,500	7,500	7,500	10000	10000
iii) 0.4 kV poles 9 x 140	5,300	4,000	4,000	4,500	9,300	10,000	9,900	8,500	8,500	8,500	8,500	8,500	8,500	8,500	7500	7500
4. Use of production capacity (%)	68.81	84.48	99.15	138.22	71.87	120.57	95.07	86.84	95.63	85.45	82.03	34.39	80.69	75.05	70.02	75.23

5. Specification of poles	Top Dia (mm)	Bottom Dia (mm)	Length (mm)	Wall Thickness (mm)	Av. Weight (Kg)	Design Load (Kg)	Pole Designation
i) 33 kV poles a) 15 x 220	220	420	15,000	55	2180	650	15 x 220x650
b) 15 x 190	190	390	15,000	50	1840	550	15 x 190x550
ii) 11 kV poles 12 x 190	190	350	12,000	50	1220	450	12 x 190x450
iii) 0.4 kV poles 9 x 140	140	260	9,000	40	500	250	9 x 140x250

SYNOPSIS OF ARICHA P.C. POLE MANUFACTURING PLANT

Details	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
1. Nos. of poles manufactured																
i) 33 kVpoles 22.5x230	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15x230	61	----	17	39	----	----	----	----	----	----	----	----	----	----	----	----
ii) 11 kV poles 12x230	751	240	720	1,450	3,449	4,007	3,508	2,722	1,338	2,238	1,583	929	1429	1630	1381	791
11x230	4,300	3,416	3,674	5,090	6,884	5,162	5,170	6,673	3,790	3,852	729	836	1198	1037	1361	625
iii) 0.4 kV poles 9 M	4,022	3,371	4,640	6,501	12,046	14,859	12,342	10,610	8,009	9,912	4,691	3286	3219	4261	6268	3141
2. Cost per no. of pole (Tk.)																
i) 33 kV poles 22.5 M	---	---	---	39,014	39,014	39,014	39,014	45,589	---	---	---	---	---	---	---	---
15 M	15,880	16,516	20,550	21,246	21,246	21,246	21,246	24,816	24,816	28,119	41,669	36713	---	---	---	---
ii) 11 kV poles 12 M	10,642	10,868	13,802	14,197	14,197	14,197	14,197	15,783	15,783	17,328	24,486	21574	21574	21574	21574	21574
11 M	9,400	9,634	12,385	12,652	12,652	12,652	12,652	13,910	13,910	15,313	21,066	18560	18560	18560	18560	18560
iii) 0.4 kV poles 9 M	4,501	4,669	6,072	6,262	6,262	6,262	6,262	6,694	6,694	7,074	9,558	8421	8421	8421	8421	8421
3. Production Capacity (Nos)																
i) 33 kV poles 22.5 M	---	---	---	25	25	25	25	25	---	---	---	---	---	---	---	---
15 M	300	100	300	300	340	200	200	200	---	---	---	---	---	---	---	---
ii) 11 kV poles 12 M	1,500	1,500	900	900	2,000	3,000	3,000	3,000	4,000	4,000	4,000	4000	3000	3000	3000	3000
11 M	4,000	4,000	4,000	4,000	8,000	5,000	5,000	5,775	5,000	5,000	5,000	5000	2000	2000	2000	2000
iii) 0.4 kV poles 9 M	4,200	4,400	4,800	4,800	9,660	11,000	11,000	11,000	11,000	11,000	11,000	11000	5000	5000	5000	5000
4. Use of production capacity (%)	91.34	70.27	90.51	130.80	111.90	120.14	105.10	100.03	65.68	80.01	35.01	25.26	58.46	69.28	90.10	

5. Specification of poles	Top Dia (mm)	Bottom dia (mm)	Wall Thickness (mm)	Pole Weight (Kg)	Design Load (Kg)	Pole Designation
i) 33 kv poles 22.5 M	230	530	55	3092.86	587	--
15 M	230	430	55	1,719.78	500	15 x 230x500
ii) 11 kv poles 12 M	230	390	55	1,249.44	400	12x230x400
11 M	230	375	55	1,110.46	350	11 x230x350
iii) 0.4 kv poles 9 M	150	270	50	522.50	200	9x150x200


Katakhali 50 MW Power Plant

Chapter-5

Accounts, Finance and Audit

ACCOUNTS, FINANCE AND AUDIT

Electricity (Power) plays a vital role in the economy of a developing country in many aspects. Day to day the demand of the electricity is growing up. To meet the growing demand of the electricity, BPDB has given high priority in the electricity generation. Beside own generation, BPDB also purchase electricity from the Private Companies generally termed as IPP(Independent Power Producer) , Rental power plant and Public power plant to meet the growing demand. In the FY 2012-2013, Generation cost of BPDB's own plant is Tk.4,708.51 crores Power purchase cost from IPP is Tk. 3,750.15 crores, from rental plant is Tk. 10,340.05 crores and from public plant is Tk. 1,082.62 crores Totaling Tk. 19,881.33 crores compared to Tk. 17,042.18 (BPDB's own generation Tk. 3,475.35 + purchase from IPP Tk. 3,470.48+Rental plant Tk. 8,833.83 and Public plant Tk. 959.77) crores of FY 2011-2012. Energy sale during FY 2012-2013 is Tk.16,170.62 crores compare to Tk. 11,185.2 crores of the preceding year.

Table-A

Particulars	2012-13		2011-12		(Increase/ Decrease)
	Amount (Crore Tk.)	Cost (Tk/kWh)	Amount (Crore Tk.)	Cost (Tk/kWh)	
i. BPDB's Generation	4,708.51	3.80	3,754.29	3.67	3.64%
ii. Purchase from IPP	3,750.15	4.07	3,470.50	3.66	11.23%
iii. Purchase from Rental	10,340.05	10.99	8,833.83	10.18	7.95%
iv. Purchase from Public Plant	1,082.62	1.97	983.56	2.02	-2.24%
v. Interest on budgetary support	452.92	0.12	283.39	0.09	37.94%
vi. Provision for Maintenance and Development fund	718.67	0.20	512.35	0.15	31.33%
Total	**21,052.92**	**5.77**	**17,837.92**	**5.36**	**7.66%**
Energy Sales	16,170.62		11,185.20		44.57%

It shows that BPDB's own generation cost and Energy purchase from IPP, Rental plant, public plant has increased by 11.23% , 7.95% respectively, and from IPP have decreased by 2.24% with compare to the FY 2010-2011. Chart-1 shows the comparative generation picture.

Cost of Electricity Generation and Purchase

Amount in crore Taka

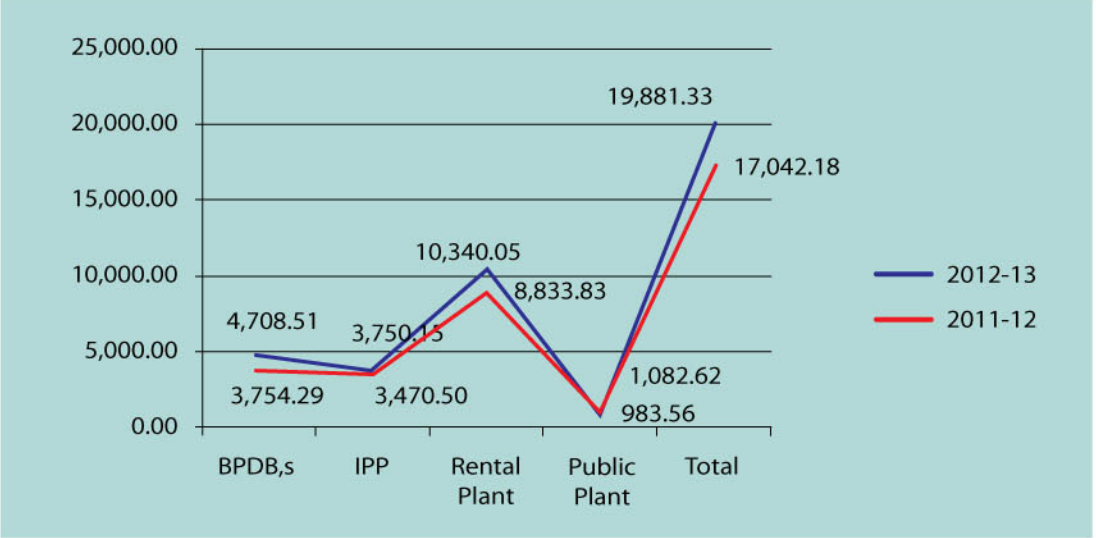


Chart-1

During the financial year 2012-2013 amount of sales to BPDB's own consumer DPDC, DESCO, WZPDCL, REB & PGCB and amount of collection against sales are given bellow :

Table-B

Particulars Sales	Sales (Crore Tk.)	Collection (Crore Tk.)	% of collection on sales	Previous years % of collection on sales	Increase/ (Decrease) in comparison to previous year
PDB's own Consumer	4,271.26	4,053.78	94.91%	94.74%	0.17%
DPDC	3,412.64	2,893.15	84.78%	90.85%	-6.07%
DESCO	1,953.98	1,856.46	95.01%	91.58%	3.43%
WZPDCL	939.90	903.59	96.14%	91.79%	4.35%
REB	5,591.72	5,246.75	93.83%	92.38%	1.45%
PGCB	1.14	0.57	50.00%	-	
Total	**16,170.64**	**14,954.30**	**92.48%**	**92.59%**	**-0.11%**

During the financial year 2012-2013 sales to BPDB's own consumer, DPDC, DESCO, WZPDCL, REB and PGCB Taka 4,271.26 crores 3,412.64 Crores, 1,953.98 Crores, 939.89 Crores, 5,591.72 Crores and 1.14 Crores respectively against which amount collected was 4,053.78 2,893.14 Crore, 1,856.46 Crore, 903.59 Crore and 0.57 Crore which is only 94.91%,84.78%,95.01%,96.14%,93.83% and 50.00% of billed amount respectively. Chart 2 shows the comparative collection over sales.

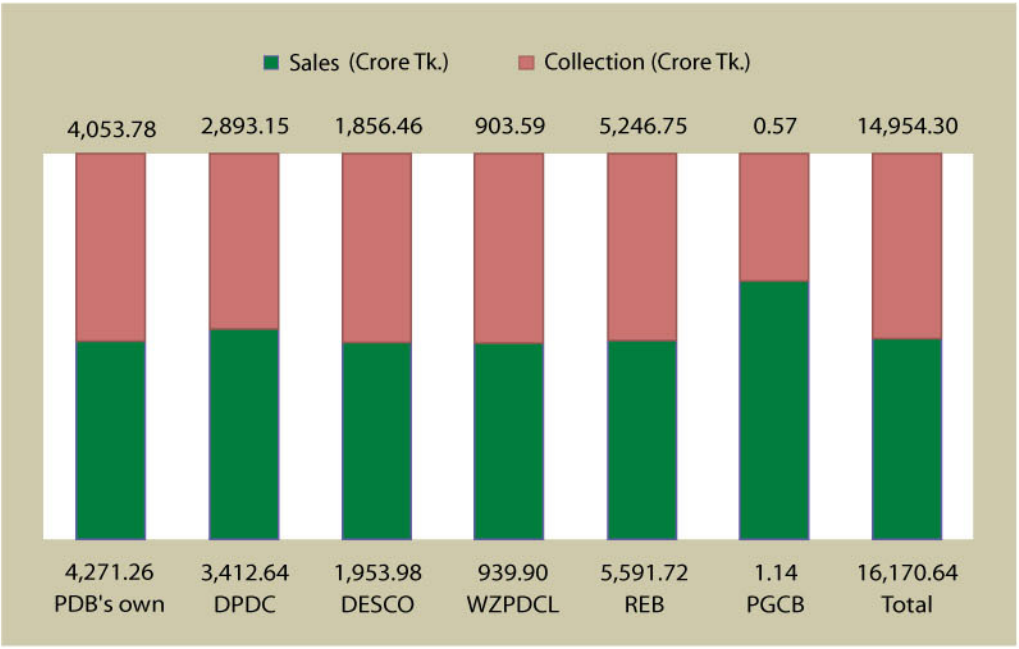


Chart-2

Net loss Tk 5,043,83,78,685 is covered by budgetary support from Govt. and other non-cash expenses like Depreciation.

From the above statement it is clear that, the actual net loss for the FY 2012-2013 is Taka 5,043.84 Crore against the revised budgeted net Loss of Taka 6,050.65 Crore. This indicates that net loss is less than budget provision by Taka 1,006.81 Crore. In analysis of the revised budget and actual expenditure it is observed that all operating expenses are less than that of revised budget with an exceptions of Coal used for Electricity Generation, Electricity purchase from IPP and Interest on loan. It indicates that the govt. orders/decisions for controlling the cost have been reflected in BPDB's operation.

Utility Plant in Service acquired through project completion amounting to Taka 5,147.90 Crore has transferred to assets in operation during the FY 2012-2013. Depreciation has been charged @ 3.20% on the opening balance of utility plant in service except those of 820mw. project and transportation equipment on which depreciation has been charged @ 6.00% and 9.00% respectively on the basis of "Fixed Percentage" method & half of the normal rate on addition during the year.

Chart-3 shows the trend analysis of revenue from sale of electricity with operating expense. It indicates that controlling of expenditure makes BPDB's financial position a few better over last two years.

Year Wise Revenue to Operating Expenses

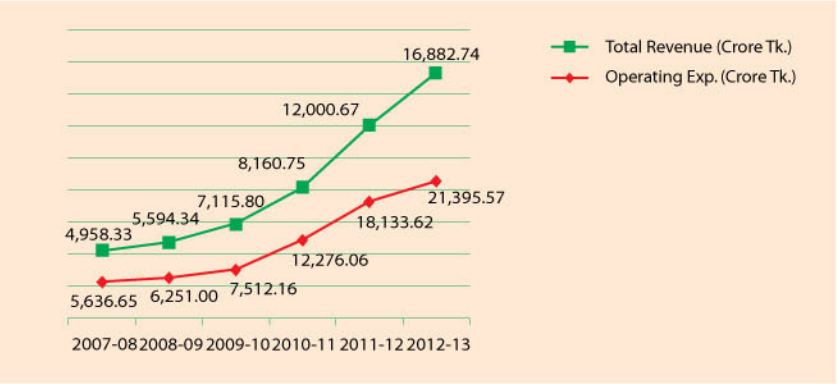


Chart-3

Category Wise Total Expenses

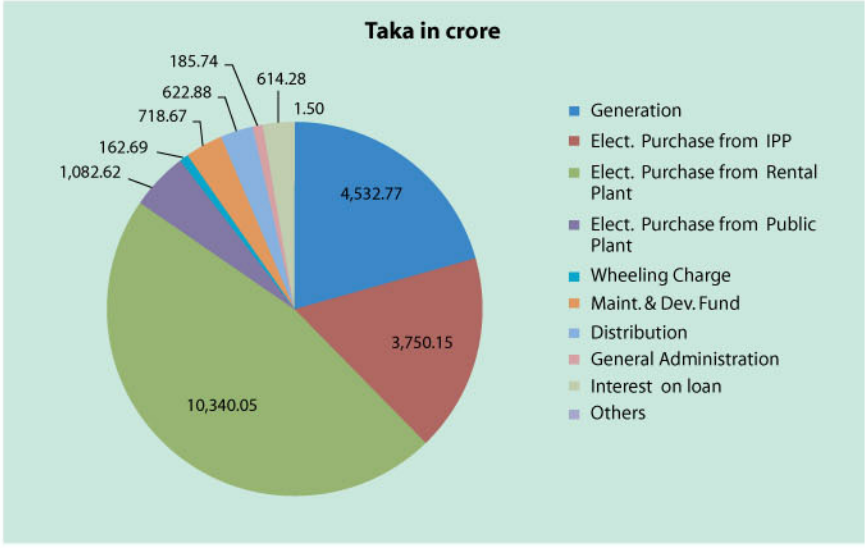


Chart-4

BALANCE SHEET

AS AT JUNE 30, 2013

Figures In Taka

PROPERTY & ASSETS	NOTE	FY-2012-13	FY-2011-12
FIXED ASSETS			
UTILITY PLANT IN SERVICE	3	375,668,930,905	321,578,221,047
LESS : ACCUMULATED DEPRECIATION	4	171,836,698,059	162,324,617,365
WRITTEN DOWN VALUE	5	**203,832,232,846**	**159,253,603,682**
PROJECT - IN - PROGRESS	6	44,621,471,058	83,782,818,034
INVESTMENT IN SHARES	7	14,942,453,029	14,933,940,736
TOTAL FIXED ASSETS		**263,396,156,933**	**257,970,362,452**
CURRENT ASSETS			
INVESTMENT	7.01	17,533,153,651	15,880,311,674
CASH IN HAND & AT BANK	8	30,566,638,795	18,428,747,731
ACCOUNTS RECEIVABLE - TRADE	9	71,482,564,787	59,319,303,569
ACCOUNTS RECEIVABLE - OTHERS	10	19,207,151,793	18,550,901,896
RECEIVABLE - REB	11	-	-
PROVISION FOR BAD & DOUBTFUL DEBTS	12	(806,196,149)	(697,456,761)
ADVANCE TO CONTRACTORS & SUPPLIERS	13	16,439,831,590	13,538,665,314
ADVANCE TO EMPLOYEES	14	1,414,654,189	1,306,240,595
STOCK & STORES	15	12,015,225,816	10,505,146,105
DEPOSITS & PREPAID EXPENSES	16	2,788,084,252	2,665,305,550
INCOME TAX DEDUCTION AT SOURCE	16.01	1,057,305,934	565,385,818
TOTAL CURRENT ASSETS		**171,698,414,659**	**140,062,551,491**
TOTAL PROPERTY & ASSETS		**435,094,571,592**	**398,032,913,944**

A B SAHA & CO
Chartered Accountants

MARHK &CO
Chartered Accountants

BALANCE SHEET

AS AT JUNE 30, 2013

Figures In Taka

CAPITAL & LIABILITIES	NOTE	FY-2012-13	FY-2011-12
AUTHORIZED CAPITAL		**150,000,000,000**	**120,000,000,000**
CAPITAL & RESERVE			
PAID UP CAPITAL	17	142,836,187,075	135,906,087,224
NET SURPLUS / (DEFICIT)	18	(272,141,562,044)	(222,008,216,147)
APPRAISAL SURPLUS	19	117,057,871,482	117,057,871,482
GRANTS	20	4,914,854,860	4,909,754,860
DEPOSIT WORK FUND	21	2,192,949,412	1,992,737,925
LIQUIDITY DAMAGE RESERVE	22	72,053,500	72,053,500
MAINTANANCE & DEVELOPMENT FUND	23	13,777,031,701	6,590,330,000
		8,709,385,985	**44,520,618,844**
LONG TERM LIABILITIES			
GOVERNMENT LOAN	24	59,078,357,877	56,282,697,230
BUDGETARY SUPPORT AS SUBSIDY FROM GOVT.	25	176,634,300,000	132,571,900,000
(DIFFERENCE OF BUYING & SELLING RATE)			
FOREIGN LOAN	26	15,927,500,078	17,462,007,161
		251,640,157,955	**206,316,604,390**
DEPOSIT & PROVISION FUND			
SECURITY DEPOSIT (CONSUMERS)	27	3,683,769,674	3,381,629,242
GPF & CPF	28	4,272,923,529	3,390,909,437
GRATUITY & PENSION FUND	29	9,029,310,208	8,619,919,358
		16,986,003,411	**15,392,458,037**
CURRENT LIABILITIES			
ACCOUNTS PAYABLE	30	31,242,650,091	16,726,390,473
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	31	670,994,761	664,459,055
ASSETS INSURANCE FUND	32	300,000,000	285,000,000
CURRENT PORTION OF LONG TERM LIABILITIES	33	4,245,941,546	4,398,349,885
DEBT SERVICING LIABILITIES (PRINCIPAL)	34	46,919,409,797	43,208,533,256
DEBT SERVICING LIABILITIES (PRINCIPAL)-PGCB	34.01	8,005,508,649	7,435,088,585
DEBT SERVICING LIABILITIES (PRINCIPAL)-APSCL	34.02	5,361,669,458	4,908,495,703
DEBT SERVICING LIABILITIES (PRINCIPAL)-WZPDCL	34.03	1,810,318,800	1,693,468,346
REIMBURSABLE PROJECT AID	35	861,757,527	861,757,527
DEBT SERVICING LIABILITIES (INTEREST)	36	48,400,232,191	46,306,791,965
INTEREST ON BUDGETARY SUPPORT FROM GOVT.(FUND)	37	9,599,401,572	5,070,209,557
OTHER LIABILITIES	38	340,078,148	234,247,173
		157,757,962,540	**131,792,791,526**
CLEARING ACCOUNTS	39	**1,061,701**	**10,441,147**
TOTAL CAPITAL & LIABILITIES		**435,094,571,592**	**398,032,913,944**

A B SAHA & CO
Chartered Accountants

MARHK &CO
Chartered Accountants

CONSOLIDATED INCOME STATEMENT
FOR THE YEAR ENDED JUNE 30, 2013

Figures In Taka

PARTICULARS	NOTE	FY 2012-13	FY 2011-12
OPERATING REVENUE			
ENERGY SALES	40	161,706,226,266	111,851,997,502
OTHER OPERATING INCOME	41	7,121,157,977	8,154,694,683
		168,827,384,243	**120,006,692,185**
OPERATING EXPENSES			
GENERATION EXPENSES	42	45,327,755,639	34,753,469,336
ELECTRICITY PURCHASE FROM IPP	43	37,501,494,313	34,704,809,005
ELECTRICITY PURCHASE FROM RENTAL	44	103,400,499,161	88,338,293,915
ELECTRICITY PURCHASE FROM PUBLIC PLANT	45	10,826,169,556	9,597,697,740
TRANSMISSION EXPENSES FOR WHEELING CHARGE	46	1,626,857,661	1,565,862,271
DISTRIBUTION EXPENSES	47	6,228,820,661	5,546,605,141
CUSTOMER ACCOUNTS EXPENSES	48	-	-
GENERAL & ADMINISTRATIVE EXPENSES	49	1,857,434,874	1,705,902,915
		206,769,031,865	**176,212,640,322**
OPERATING INCOME / (LOSS)		**(37,941,647,622)**	**(56,205,948,137)**
ASSETS INSURANCE FUND		15,000,000	15,000,000
MAINTANANCE & DEVELOPMENT	50	7,186,701,701	5,123,530,000
INTEREST EXPENSES FOR BUDGETARY SUPPORT FROM GOVT.	51	4,529,192,015	2,833,925,410
FINANCING & OTHER CHARGES	52	1,613,570,926	1,629,866,840
NET INCOME/(LOSS)BEFORE EXCH. RATE FLUCTUATION		(51,286,112,264)	(65,808,270,388)
LOSS DUE TO EXCHANGE RATE FLUCTUATION		847,733,579	(1,125,097,543)
NET INCOME / (LOSS) FOR THE YEAR	53	**(50,438,378,685)**	**(66,933,367,931)**
RETAINED EARNINGS			
BALANCE AS AT JULY 01, 2012		(222,008,216,147)	(157,117,812,807)
PREVIOUS YEAR'S ADJUSTMENT	54	305,032,788	2,042,964,591
NET INCOME / (LOSS) FOR THE YEAR		(50,438,378,685)	(66,933,367,931)
BALANCE AS AT JUNE 30, 2013		**(272,141,562,044)**	**(222,008,216,147)**

A B SAHA & CO.
Chartered Accountants

MARHK & CO.
Chartered Accountants

INCOME STATEMENT OF GENERATION & BULK SUPPLY
FOR THE YEAR ENDED JUNE 30, 2013

Figures In Taka

PARTICULARS	FY 2012-13	FY 2011-12
OPERATING REVENUE		
ENERGY SALES (BULK)	161,304,898,365	108,791,411,874
OTHER OPERATING INCOME	5,561,743,713	7,556,502,354
	166,866,642,078	**116,347,914,228**
OPERATING EXPENSES		
FUEL EXPENSES	32,515,116,163	25,027,922,393
PERSONNEL EXPENSES	2,577,070,081	2,523,077,192
OFFICE EXPENSES	264,422,292	397,093,330
REPAIRS & MAINTENANCE EXP.	2,969,395,692	1,363,708,071
DEPRECIATION	7,001,751,409	5,441,668,350
SUB TOTAL OF OWN GENERATION EXPENSES	**45,327,755,638**	**34,753,469,336**
ELECTRICITY PURCHASE FROM IPP	37,501,494,313	34,704,809,005
ELECTRICITY PURCHASE FROM RENTAL	103,400,499,161	88,338,293,915
ELECTRICITY PURCHASE FROM PUBLIC PLANT	10,826,169,556	9,597,697,740
GENERAL & ADMINISTRATIVE EXPENSES	1,152,043,873	1,118,314,368
	198,207,962,541	**168,512,584,364**
OPERATING INCOME / (LOSS)	**(31,341,320,464)**	**(52,164,670,136)**
PROVISION FOR ASSETS INSURANCE FUND	12,000,000	12,000,000
MAINTANANCE & DEVELOPMENT EXPENSES	7,186,701,701	5,123,530,000
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	4,529,192,015	2,833,925,410
FINANCING & OTHER CHARGES	1,109,940,826	1,001,394,518
NET INCOME/(LOSS) BEFORE EXCH. RATE FLUCTUATION	(44,179,155,006)	(61,135,520,065)
LOSS DUE TO EXCHANGE RATE FLUCTUATION	514,469,169	(895,956,405)
NET INCOME / (LOSS) FOR THE YEAR	**(43,664,685,837)**	**(62,031,476,470)**

Placing of floral wreath at National Mausoleum at Saver by BPDB on the occasion of Independence Day.

Placing of floral wreath at the National Mausoleum at Savar by BPDB on the occasion of victory day.

INCOME STATEMENT OF DISTRIBUTION
FOR THE YEAR ENDED JUNE 30, 2013

Figures In Taka

PARTICULARS		FY 2012-13	FY 2011-12
OPERATING REVENUE			
ENERGY SALES (RETAIL)		42,561,855,266	31,430,191,681
OTHER OPERATING INCOME		1,559,414,264	598,192,329
	A	**44,121,269,530**	**32,028,384,010**
OPERATING EXPENSES			
POWER PURCHESE COST AS PER BST		42,160,527,365	28,378,247,262
TRANSMISSION EXPENSES FOR WHEELING CHARGE		1,626,857,661	1,565,862,271
SUB TOTAL OF ENERGY IMPORT COST	**B**	**43,787,385,026**	**29,944,109,533**
PERSONNEL EXPENSES		2,319,675,777	1,958,054,593
OFFICE EXPENSES		349,032,232	494,715,711
REPAIRS & MAINTENANCE EXP.		1,064,445,243	774,390,886
DEPRECIATION		2,386,926,189	2,319,443,951
PROVISION FOR BAD DEBTS		108,739,388	88,575,786
SUB TOTAL OF DISTRIBUTION EXPENSES	**C**	**6,228,818,829**	**5,635,180,927**
GENERAL & ADMINISTRATIVE EXPENSES	**E**	705,392,834	490,371,552
TOTAL OPERATION EXPENSES (B+C+D+E=F)	**F**	**50,721,596,689**	**36,069,662,012**
OPERATING INCOME / (LOSS) (A-F)	**G**	**(6,600,327,158)**	**(4,041,278,002)**
PROVISION FOR ASSETS INSURANCE FUND	**H**	3,000,000	3,000,000
FINANCING & OTHER CHARGES	**I**	503,630,100	628,472,322
NET INCOME/(LOSS) BEFORE EXCH. RATE FLUCTUATION (G-H-I)	**J**	**(7,106,957,258)**	**(4,672,750,323)**
LOSS DUE TO EXCHANGE RATE FLUCTUATION	**K**	333,264,410	(229,141,138)
NET INCOME / (LOSS) FOR THE YEAR		**(6,773,692,848)**	**(4,901,891,461)**

A discussion meeting between BPDB and Malaysian delegation for implementation of 1320 MW Coal Based Power Plant at Moheshkhali.

A public consultation meeting on EIA report of Maitree Super Thermal Power Project, Rampal.

ZONE WISE INCOME STATEMENT OF ALL DISTRIBUTION ZONES
FOR THE YEAR ENDED JUNE 30, 2013

Figures In Crore Taka

PARTICULARS	Chittagong	Comilla	Mymen-singh	Sylhet	Rajshahi	Rangpur	Total
OPERATING REVENUE							
ENERGY SALES (RETAIL)	1,773.27	505.58	518.87	341.43	701.90	415.15	4,256.19
OTHER OPERATING INCOME	51.36	25.48	25.36	10.52	24.33	18.89	155.94
TOTAL REVENUE	**1,824.63**	**531.06**	**544.22**	**351.96**	**726.23**	**434.03**	**4,412.13**
OPERATING EXPENSES							
POWER PURCHESE COST - AS PER BST	1,628.70	491.37	590.66	353.89	721.88	429.55	4,216.05
WHEELING CHARGE	63.10	18.94	22.72	13.62	27.77	16.53	162.68
SUB TOTAL OF DIST. EXPENSES	**1,691.80**	**510.31**	**613.38**	**367.51**	**749.65**	**446.08**	**4,378.73**
PERSONNEL EXPENSES	55.26	31.06	48.79	21.12	48.24	27.50	231.97
OFFICE EXPENSES	8.31	4.67	7.34	3.18	7.26	4.14	34.90
REPAIRS & MAINTENANCE EXPENSES	25.36	14.25	22.39	9.69	22.14	12.62	106.45
DEPRECIATION	56.86	31.96	50.20	21.73	49.64	28.30	238.69
PROVISION FOR BAD DEBTS	2.59	1.46	2.29	0.99	2.26	1.29	10.87
SUB TOTAL	**148.39**	**83.40**	**131.00**	**56.71**	**129.53**	**73.84**	**622.88**
GENERAL & ADMINISTRATIVE EXPENSES	16.80	9.45	14.84	6.42	14.67	8.36	70.54
TOTAL OPERATION EXPENSES	**1,857.00**	**603.16**	**759.22**	**430.64**	**893.85**	**528.28**	**5,072.15**
OPERATING INCOME / (LOSS)	**(32.36)**	**(72.10)**	**(215.00)**	**(78.68)**	**(167.62)**	**(94.25)**	**(660.03)**
PROVISION FOR ASSETS INSURANCE FUND(20%)	0.13	0.03	0.04	0.02	0.05	0.03	0.30
FINANCING & OTHER CHARGES	12.00	6.74	10.59	4.59	10.47	5.97	50.36
NET INCOME/(LOSS)BEFORE EXCH. RATE FLUCTUATION	(44.49)	(78.87)	(225.63)	(83.29)	(178.14)	(100.25)	(710.69)
LOSS DUE TO EXCHANGE RATE FLUCTUATION	7.94	4.46	7.01	3.03	6.93	3.95	33.33
NET INCOME / (LOSS) FOR THE YEAR	**(36.55)**	**(74.41)**	**(218.62)**	**(80.25)**	**(171.21)**	**(96.30)**	**(677.36)**
PERCENTAGE OF NET INCOME/ (LOSS) ON SALES	**(2.06)%**	**(14.72)%**	**(42.13)%**	**(23.51)%**	**(24.39)%**	**(23.20)%**	**(15.91)%**

CASH FLOW STATEMENT FOR THE YEAR 2012-2013

SL. No.	DESCRIPTION	AMOUNT	AMOUNT	AMOUNT
	CASH FLOW FROM OPERATING ACTIVITIES			
A	**Total Receipts from BPDB Customer, REB & Others**			
	Operating Revenue	168,827,384,243		
	Cash in flow from operating activities			
	Increase in accounts receivable-Trade	(12,163,261,219)		
	Increase in accounts receivable-Others	(656,249,897)		
	Increase in Provision for Bad Debt	108,739,388		
	Total Cash in flow from operating activities		**156,116,612,516**	
B	**Cash out flow from operating activities**			
	Operating Expenses net of Depreciation	195,940,909,210		
	Previous Year's Adjustments	(305,032,788)		
	Interest Charges- Sh-52 (Code-675)	335,514,291		
	Increase in accounts payable	(14,516,259,618)		
	Increase in security deposit Contractor's	(6,535,706)		
	Decrease in other liabilities	(105,830,975)		
	Decrease in advance to Contractors	2,901,166,275		
	Increase in advance to Employees	108,413,594		
	Increase in stock & stores	1,510,079,711		
	Increase in Clearing Account	9,379,447		
	Increase in Deposits & Prepaid	614,698,819		
	Total Cash out flow from operating activities		**186,486,502,261**	
C	**Reimbursable Project Aid- received**		-	
D	**Debt Service Liabilities-Interest Payment**		**1,018,873,459**	
E	**Net cash provided (Used) by Operating Activities**			**(31,388,763,204)**
	CASH FLOW FROM INVESTING ACTIVITIES			
	Cash in flow from investing activities			
	Consumers Security Deposit	302,140,432		
	Employees Contribution to GPF, CPF & Pension Fund	1,291,404,943		
	Encashment of FDR	1,228,048,020		
	Total cash inflow by investing activities		**2,821,593,395**	
	Cash out flow from investing activities:			
	Capital Expenditure-UPIS	(2,611,732,905)		
	Capital Expenditure-PIP*06(Net Cash)	(12,948,376,488)		
	Investment in FDR	(2,891,798,597)		
	Total cash out flow by investing activities		**(18,451,907,989)**	
F	**Net cash Used by investing Activities**			**(15,630,314,595)**
	CASH FLOW FROM FINANCING ACTIVITIES			
	Cash in flow from financing activities			
	Increase in Capital Contribution	6,930,099,851		
	Grant received	5,100,000		
	Govt. Loan- Sh-24 (Loan Drawn during the Year)	6,172,551,450		
	Foreign Loan- Sh-26.Loan wise(Loan Drawn during the Year)	2,403,162,513		
	Increase in deposit work fund	200,211,486		
	Total cash inflow by financing activities		**15,711,125,300**	
	DSL (Principal due) PGCB, APSCL & WZPDC	-		
	DSL (Int.) PGCB, APSCL & WZPDC (Except Cash) A/R Other	-		
	Cash out flow from financing actives:			
	Repayment of Foreign Loan-Sh-34	(1,265,365,005)		
	Repayment of Govt. Loan-Sh-34	(100,000,000)		
	Refund of Govt. Loan- Sh-24	(51,191,433)		
	Refund of Equity to GOB	-		
	Total cash out flow by financing activities		**(1,416,556,438)**	
G	**Net Cash Inflow From Financing Activities**			**14,294,568,862**
H	**Net Cash Outflow (E+F+G)**			**(32,724,508,936)**
I	**Cash received from Govt. as budgetary support.**			**44,862,400,000**
J	**Opening Cash In Hand**			**18,428,747,731**
K	**Closing Cash In Hand (H+I+J)**			**30,566,638,795**

INCOME STATEMENT AND BALANCE SHEET RATIOS

SL. No.	Particulars	2012-2013	2011-2012
	INCOME STATEMENT RATIOS		
1	Rate of Return (Operating Income/Operating Fixed Assets)	- 14.54%	- 21.79%
2	Operating Income Ratio (Operating Income/Operating Revenue)	- 22.69%	- 46.84%
3	Operating Expenses to Operating Revenue	122.47%	146.84%
4	Fuel Expense over total Operating Expenses	15.73%	14.22%
5	Depreciation over total Operating Expenses	4.60%	4.49%
6	Depreciation and Fuel Expense over total Operating Expenses	20.33%	8.70%
7	Operating Cash Expenses over Cash collection	131.27%	171.15%
	BALANCE SHEET RATIOS		
8	Current Ratio	1 : 1.18	1 : 1.16
9	Quick Ratio	1 : 1.11	1 : 0.98
10	Debt/Equity Ratio	8.61 : 1	5.78 : 1

CONSOLIDATED SCHEDULE OF EXPENSES

Head of Accounts	Generation Expenses	Distribution Expenses	Gen.& Admn. Expenses	Total Expenses 2012-2013	Total Expenses 2011-2012
Fuel Consumption for Generation					
Natural Gas	9,571,978,573			9,571,978,573	7,431,577,785
Liquid fuel	17,737,117,251			17,737,117,251	14,050,112,309
Coal	5,206,020,339			5,206,020,339	3,546,232,299
Sub-Total	**32,515,116,163**			**32,515,116,163**	**25,027,922,393**
Personnel Expenses	2,577,070,082	2,319,675,777	1,230,273,467	6,127,019,326	5,468,796,165
Office & Other Expenses	264,422,292	349,032,232	257,278,188	870,732,712	1,121,332,546
Repairs & Maintenance	2,969,395,692	1,064,447,075	246,480,123	4,280,322,890	2,395,714,792
Depreciation	7,001,751,409	2,386,926,189	123,403,096	9,512,080,694	7,903,635,711
Bad debts	-	108,739,388		108,739,388	88,575,786
Wheeling Charge	-	1,626,857,661		1,626,857,661	1,565,862,271
Electricity Purchase					
From IPP & SIPP	37,501,494,313			37,501,494,313	34,704,809,005
From Rental Plant	103,400,499,161			103,400,499,161	88,338,293,915
From Public Plant	10,826,169,556			10,826,169,556	9,597,697,740
Sub-Total	**151,728,163,030**			**151,728,163,030**	**123,043,102,920**
Interest on Budgetary Support	4,529,192,015			4,529,192,015	2,833,925,410
Maint. & Dev. Expenses	7,186,701,701			7,186,701,701	5,123,530,000
Provision for Assets Ins.	12,000,000	3,000,000		15,000,000	15,000,000
Total	**208,783,812,385**	**7,858,678,322**	**1,857,434,874**	**218,499,925,581**	**213,970,733,566**

PERSONNEL EXPENSES

Head of Accounts	Generation Expenses	Distribution Expenses	Total General & Administrative Expenses	Total Expenses 2012-2013	Total Expenses 2011-2012
Pay of Officers	189,423,952	151,282,827	155,722,711	496,429,491	516,635,128
Pay of Staff	356,770,718	483,891,068	188,282,142	1,028,943,928	959,968,561
Allowances of Officers	115,944,919	68,453,478	72,128,879	256,527,276	255,614,063
Allowances of Staff	251,483,626	298,725,734	113,187,005	663,396,365	609,077,850
Leave Encashment	20,720,220	24,265,915	12,006,301	56,992,436	58,386,696
Overtime Allowances (Single)	55,322,286	77,714,384	31,218,955	164,255,624	151,955,789
Overtime Allowances (Double)	336,997,304	361,256,293	72,967,110	771,220,708	687,434,658
House Rent Expenses	-	7,000	-	7,000	-
Medical Expenses	3,078,007	1,571,797	1,795,144	6,444,948	6,094,405
Bonus for Officers	30,206,698	24,580,993	25,952,707	80,740,398	82,276,925
Bonus for Stuff	56,277,735	77,645,866	29,725,928	163,649,528	156,477,501
Employees Electricity Rebate	98,400,872	121,193,962	52,414,073	272,008,907	205,616,648
Workmen Compensation	-	-	-	-	-
Gratuity	-	-	-	-	646,400
Income Tax of Officers & Staff	2,509,221	27,998	192,917	2,730,136	44,156,347
Employees Other Benefit & Welfare Expenses	2,267,575	1,458,381	3,907,071	7,633,027	5,961,579
Reimbursement for Treatment of Accident (on duty) affected Employee	-	-	-	-	136,000
Board's Contribution to CPF	4,082,766	-	-	4,082,766	4,153,175
Board's Contribution to Pension Fund	919,080,572	444,490,489	365,071,006	1,728,642,067	1,161,353,970
Leave Encashment on Retirement	4,381,314	7,930,956	2,462,443	14,774,713	46,152,532
Honorarium	38,242,134	29,429,070	47,936,574	115,607,777	203,856,528
Honorarium	3,209,629	1,048,975	5,869,843	10,128,447	18,456,953
Wages for Hired Labour	88,670,533	142,292,892	33,030,517	263,993,943	278,190,835
Computerization of Commercial Operation	-	2,407,700	15,949,182	18,356,882	14,814,263
Service charge for collection of Electricity Bill by Mobile Phone Co.	-	-	452,960	452,960	-
Contract out- Commercial Operation activities	-	-	-	-	13,523
Interest on GPF/CPF	-	-	-	-	1,365,835
Total Personnel Expenses	**2,577,070,082**	**2,319,675,777**	**1,230,273,467**	**6,127,019,326**	**5,468,796,165**

OFFICE AND OTHER EXPENSES

Head of Accounts	Generation Expenses	Distribution Expenses	Total General & Administrative Expenses	Total Expenses 2012-2013	Total Expenses 2011-2012
Traveling Expenses/ Allowances(For Official)	40,327,438	77,687,054	44,624,497	162,638,989	124,882,219
Traveling Expenses (For Training)	4,844,962	583,909	2,183,330	7,612,201	5,247,630
Conveyance Charge	715,155	6,534,717	4,077,385	11,327,257	9,222,468
Washing Expenses	156,380	252,649	371,071	780,100	651,511
Representation & Entertainment	153,198	57,460	3,273,212	3,483,870	2,897,769
Stationary & Printing	10,075,850	41,780,243	34,490,571	86,346,664	77,996,271
Taxes, license & Fees	29,449,990	27,927,756	28,232,085	85,609,832	59,041,356
Office Rent	-	3,855,934	10,590,072	14,446,006	7,611,698
Water Charges	4,704,703	223,825	1,895,076	6,823,603	4,733,787
Electric Charges (Own use)	123,800,657	108,918,982	32,354,249	265,073,888	268,574,221
Electricity Rebate - Freedom fighters	-	2,342,667	-	2,342,667	2,003,112
Uniforms & Liveries	6,512,051	7,537,306	2,239,388	16,288,745	15,880,531
Post & Telegram	341,670	960,317	1,767,045	3,069,032	2,815,121
Telephone, Telex & Fax	4,340,354	9,804,357	6,672,143	20,816,854	16,671,487
Advertising & Promotion	34,985,454	34,047,038	33,675,245	102,707,737	116,880,122
Audit Fee	-	22,666,547	1,081,000	23,747,547	61,110,872
Legal Expenses (Lawyer's Fees & Court Fees)	403,635	2,081,859	7,274,160	9,759,654	8,773,742
Books & Periodicals	573,746	967,822	722,013	2,263,581	1,670,385
Donation & Contributions	1,717,634	536,618	1,120,100	3,374,352	2,817,601
Donation to sick Employees from Benevolent Fund	43,000	-	-	43,000	23,701
Training & Education	1,269,415	265,172	33,548,739	35,083,326	27,480,060
Training & Education- Foreign	-	-	-	-	123,699
Allocation of Gen. Admn. Exp.	-	-	-	-	-
Miscellaneous Expenses	7,000	-	7,086,807	7,093,807	208,000
Total Office & Other Expenses	**264,422,292**	**349,032,232**	**257,278,188**	**870,732,712**	**1,121,332,546**

REPAIR AND MAINTENANCE EXPENSES

Head of Accounts	Generation Expenses	Distribution Expenses	Total General & Administrative Expenses	Total Expenses 2012-2013	Total Expenses 2011-2012
Petrol/ Diesel Used for Transport	26,465,778	112,785,620	42,901,651	182,153,049	159,736,873
CNG Used for Vehicle	2,688,887	949,172	726,405	4,364,464	4,298,040
Petrol/ Diesel Used for Other Equipment	119,394,164	16,250,579	-	135,644,743	18,857,485
Store & Spares Used	709,692,498	312,370,051	11,665,875	1,033,728,424	1,396,870,735
Store & Spares Used-Foreign	150,103,470	-	-	150,103,470	-
Store & Spares Used-	-	1,000	-	1,000	-
Custom Duties & Sale Tax	142,354,813	93,748,049	-	236,102,862	97,968,063
Vat	200,440,711	68,694,468	-	269,135,179	110,836,636
Demurrage & Warfront	10,329,632	2,740,576	-	13,070,208	6,714,322
Hire of Equipment	-	-	-	-	4,200
Freight & Handling	17,787,671	59,092,833	1,772,461	78,652,965	54,293,504
Insurance (For Goods & Property)	18,144,796	250,238	62,283	18,457,317	13,403,224
Insurance (For Transportation Equipment)	1,862,381	1,136,229	2,501,407	5,500,017	4,594,193
Insurance For Vehicle & other	-	-	-	-	3,428
Bank Charge & Commission	27,410,791	92,023,201	3,114,650	122,548,642	95,210,486
Contractor's Fees	31,142,651	738,950	399,380	32,280,981	8,112,382
Contractor's Fees	-	-	15,560,314	15,560,314	14,286,149
Consultants Expenses	88,171,153	2,578,370	22,828,923	113,578,446	140,380,608
Consultants Expenses	669,417	-	359,970	1,029,387	-
Land & Land Rights	279,092	398,965	12,454	690,511	6,222,634
Structure & Improvement	41,712,772	50,051,831	92,017,005	183,781,608	168,057,222
Boiler Plant equipment	35,786,435	452,732	-	36,239,167	18,862,405
Engine & Engine Driven Generators	19,754,418	-	-	19,754,418	16,466,869
Generator	394,900,520	-	-	394,900,520	19,720,150
Prime Movers	5,947,231	-	-	5,947,231	2,864,815
Accessory elect. equipment	2,350,665	-	-	2,350,665	3,014,209
Reservoir, Dams & Waterways	5,610,209	-	-	5,610,209	10,767,208
Water Wheels and Turbines	-	-	-	-	-
Roads, Rail Roads & Bridges	-	-	-	-	6,780
Station Equipment	821,360,954	2,329,588	-	823,690,542	1,819,654
Towers and Fixtures	-	-	-	-	-
Poles & Fixtures	-	4,237,972	-	4,237,972	5,569,785
Overhead Conduct & Devices	713,795	175,144,959	916,668	176,775,422	164,473,382
Underground Conductors	1,100	1,383,045	-	1,384,145	-
Line Transformers	6,595,656	11,060,006	-	17,655,662	12,330,782
Transformer Manufacturing	-	206,162	-	206,162	1,111,640
Street Lighting and Single Systems	1,960	28,580	-	30,540	15,920
Metters	33,453,840	215,440	-	33,669,280	2,748,001
Transportation Equipment's	18,596,843	46,927,436	43,373,354	108,897,633	92,051,519
Power Operated Equipment's	199,900	-	-	199,900	170,807
Office furniture & Equipment	952,746	5,630,170	5,779,413	12,362,329	9,158,284
Office furniture & Equipment (Computer, Monitor & Others)	38,559	-	15,800	54,359	36,680
Tools, Shop and Garage Equipments	8,530	1,912,551	2,190,928	4,112,009	1,652,734
Laboratory Equipment	-	-	-	-	-
Stores Equipment	34,468,675	1,108,302	281,182	35,858,159	36,798,224
Fire Fighting Equipment	-	-	-	-	-
Miscellaneous Equipment	2,980	-	-	2,980	11,170
Total Repair & Maintenance	**2,969,395,692**	**1,064,447,075**	**246,480,123**	**4,280,322,890**	**2,395,486,017**

OTHER EXPENSES

Head of Accounts	Generation Expenses	Distribution Expenses	Total General & Administrative Expenses	Total Expenses 2012-2013	Total Expenses 2011-2012
Fuel Used for Electricity Generation	9,571,978,573	-	-	9,571,978,573	7,431,577,785
Diesel/Furnace oil Used for Electricity Generation	17,737,117,251	-	-	17,737,117,251	14,050,112,309
Coal Used for Electricity Generation	5,206,020,339	-	-	5,206,020,339	3,546,461,074
Depreciation	7,001,751,409	2,386,926,189	123,403,096	9,512,080,694	7,903,635,711
Bad debts	-	108,739,388	-	108,739,388	88,575,786
Electricity Purchase From IPP	37,501,494,313		-	37,501,494,313	34,704,809,005
Electricity Purchase From Rental	103,400,499,161		-	103,400,499,161	88,338,293,915
Electricity Purchase From Public Plant	10,826,169,556			10,826,169,556	9,597,697,740
Maintenance & Development Expenses	7,186,701,701			7,186,701,701	5,123,530,000
Provision for Assets Insurance Fund	12,000,000	3,000,000		15,000,000	15,000,000
Transmission Charge to PGCB	-	1,626,857,661	-	1,626,857,661	1,565,862,271
Total	**204,242,620,370**	**7,855,678,322**	**1,857,434,874**	**213,970,733,566**	**181,351,170,322**

COMPARISION OF ELECTRICITY PURCHASE FROM IPP & SIPP WITH PREVIOUS YEAR

Particulars	Nature of Fuel	FY-2012-2013			FY-2011-2012		
		Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
KPCL, Khulna	HFO	490,557,400	7,865,922,525	16.03	516,346,900	8,330,932,586	16.13
NEPC BD. (LTD), Haripur	HFO	455,373,000	9,198,379,100	20.20	377,675,500	7,109,577,636	18.82
RPCL 52MW Gazipur	HFO	105,517,813	1,693,993,602	16.05	-	-	-
RPCL 52MW Rawjan	HFO	27,184,620	330,402,954	12.15	-	-	-
Sub total- IPP - HFO		**1,078,632,833**	**19,088,698,181**	**17.70**	**894,022,400**	**15,440,510,222**	**17.27**
WESTMONT BD. (LTD), Baghabari	Gas	171,746,880	425,414,614	2.48	212,347,200	830,849,080	3.91
RPC LTD. Mymensingh	Gas	1,229,449,136	3,969,945,595	3.23	1,306,528,608	4,331,301,693	3.32
AES, Haripur (PVT.) LTD.	Gas	2,526,738,000	3,933,099,828	1.56	2,601,598,000	3,915,792,629	1.51
AES Meghna Ghat BD. LTD.	Gas	3,467,490,190	8,079,598,176	2.33	3,662,992,810	8,117,626,852	2.22
Doren Power Generation & System Ltd.-Feni	Gas	129,459,052	344,998,334	2.66	159,618,420	369,166,888	2.31
Doren Power Generation & System Ltd.- Tangail	Gas	134,915,616	339,362,504	2.52	138,592,667	349,841,776	2.52
Rejent Power Ltd.	Gas	122,924,160	340,508,024	2.77	233,635,164	365,060,855	1.56
Summit Purbachal Power Ltd.-Jangalia	Gas	243,115,029	633,781,619	2.61	153,135,600	615,443,300	4.02
United Power Generation & Distribution	Gas	107,082,720	346,087,438	3.23	131,466,342	369,215,710	2.81
Sub total- IPP & SIPP - GAS		**8,132,920,783**	**18,412,796,132**	**2.26**	**8,599,914,810**	**19,264,298,783**	**2.24**
Total IPP & SIPP		**9,211,553,616**	**37,501,494,313**	**4.07**	**9,493,937,210**	**34,704,809,005**	**3.66**

COMPARISION OF ELECTRICITY PURCHASE FROM PUBLIC PLANT WITH PREVIOUS YEAR

Particulars	Nature of Fuel	FY-2012-2013			FY-2011-2012		
		Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
APSCL (Except New 50 MW)	Gas	3,984,881,585	6,868,097,934	1.72	3,501,738,918	6,710,011,021	1.92
APSCL (New 50 MW)	Gas	291,127,302	618,468,760	2.12	394,250,928	737,243,990	1.87
SBU HARIPUR	Gas	278,999,789	608,918,185	2.18	361,784,690	751,439,151	2.08
EGCB Ltd.	Gas	395,776,244	1,922,853,960	4.86	927,782,912	1,399,003,578	1.51
NWPGCL Ltd.	Gas	531,486,163	807,830,717	1.52	-	-	-
Balance as at June 30, 2013		**5,482,271,083**	**10,826,169,556**	**1.97**	**5,185,557,448**	**9,597,697,740**	1.85

COMPARISION OF ELECTRICITY PURCHASE FROM RENTAL & QUICK RENTAL PLANT WITH PREVIOUS YEAR

Particulars	Nature of Fuel	FY-2012-2013			FY-2011-2012		
		Unit Kwh	Amount In Tk.	Cost/kwh	Unit Kwh	Amount In Tk.	Cost/kwh
AGGREKO, INTERNATIONAL LTD.-GHORASAL	Gas	884,425,530	5,231,589,134	5.92	139,417,050	1,805,676,912	12.95
AGGREKO, INTERNATIONAL LTD.-B.BARIA	Gas	508,846,126	2,845,339,222	5.59	736,632,820	7,099,382,215	9.64
AGGREKO, INTERNATIONAL LTD.-80 MW	Gas	483,915,253	2,881,617,531	5.95	509,408,110	2,788,542,607	5.47
SHAHJIBAZAR POWER CO. LTD.	Gas	584,089,553	1,464,712,398	2.51	589,434,221	1,424,254,855	2.42
DESH CAMBRIDGE, KUMERGOAN	Gas	55,257,868	160,357,389	2.90	47,681,827	145,613,892	3.05
ENERGYPRIMA, KUMERGOAN	Gas	260,345,140	936,034,121	3.60	267,446,540	947,309,548	3.54
ENERGYPRIMA, SHAHJIBAZAR	Gas	302,390,748	990,311,066	3.27	281,947,869	998,775,082	3.54
ENERGYPRIMA, FENCHUGONJ	Gas	300,594,910	1,048,744,783	3.49	182,038,110	394,533,007	2.17
ENERGYPRIMA, BOGRA	Gas	102,139,695	344,462,371	3.37	86,932,655	231,158,427	2.66
MAX POWER LTD.-GHORASAL	Gas	552,962,175	3,103,686,680	5.61	303,755,213	2,790,322,271	9.19
UNITED ASHUGONJ POWER LTD.	Gas	322,221,385	1,922,445,035	5.97	422,661,709	1,984,317,906	4.69
BARKATULLAH ELECTRO DYNAMICS LTD.	Gas	278,776,127	655,036,231	2.35	304,429,342	688,641,749	2.26
PRECISION ENERGY LTD.	Gas	283,698,139	1,323,730,792	4.67	420,311,731	1,499,121,116	3.57
VENTURE ENERGY RESOURCES LTD.	Gas	180,325,870	735,282,106	4.08	45,008,905	264,666,037	5.88
GBB POWER LTD.	Gas	166,971,964	461,915,282	2.77	168,362,186	459,755,876	2.73
SUB TOTAL - RENTAL - GAS		**5,266,960,483**	**24,105,264,141**	**4.58**	**4,505,468,288**	**23,522,071,500**	**5.22**
SUMMIT NARAYANGONJ POWER LTD.	HFO	526,067,928	8,823,683,817	16.77	413,851,725	6,438,974,593	15.56
KPCL -UNIT-2	HFO	463,511,424	8,053,598,427	17.38	608,436,636	8,826,720,060	14.51
KHANJAHAN ALI POWER LTD.	HFO	198,448,565	3,345,054,492	16.86	183,795,154	2,841,251,325	15.46
QUANTUM POWER NOWAPARA	HFO	89,385,883	2,297,396,401	25.70	153,722,409	2,633,997,383	17.13
IELCONSOURTIUM & ASSOCIATES	HFO	509,462,597	8,520,887,157	16.73	431,662,475	7,169,723,072	16.61
ENERGIS POWER CORPORATION LTD.	HFO	82,770,195	1,996,161,015	24.12	83,040,480	1,874,405,340	22.57
DUTCH BANGLA POWER & ASSOCIATES LTD.	HFO	476,301,024	7,847,214,067	16.48	444,262,392	6,866,734,661	15.46
ACRON INFRASTRUCTURE SERVICE LTD.	HFO	572,291,730	9,291,517,116	16.24	74,135,370	1,407,936,582	18.99
AMNURA(SINHA POWER GENERATION)	HFO	95,841,048	2,168,243,126	22.62	67,295,307	1,281,719,374	19.05
POWER PAC MUTIARA KERANIGONJ	HFO	349,580,064	6,420,285,449	18.37	73,382,880	1,387,800,826	18.91
NORTHERN POWER	HFO	109,141,143	2,299,534,198	21.07	36,854,994	578,779,580	15.70
SUB TOTAL - RENTAL - HFO		**3,472,801,601**	**61,063,575,265**	**17.58**	**2,570,439,822**	**41,308,042,796**	**16.07**
AGGREKO, INTERNATIONAL LTD.-55 MW	Diesel	100,611,860	3,322,649,551	33.02	133,406,571	2,869,958,204	21.51
AGGREKO, KHULNA(3 YEARS) LIQUID FUEL	Diesel	85,370,910	1,584,252,063	18.56	128,691,060	2,604,930,491	20.24
DPA POWER GEN. INT. LTD.	Diesel	93,613,130	2,579,535,337	27.56	132,678,070	2,744,599,920	20.69
QUANTUM POWER 100 MW BHERAMARA	Diesel	105,928,598	3,710,305,985	35.03	257,386,486	5,077,672,451	19.73
DESH ENERGY100 MW SIDDIRGONJ	Diesel	218,668,920	5,272,637,722	24.11	250,002,912	5,061,595,790	20.25
R Z POWER LTD.	Diesel	65,090,977	1,762,279,097	27.07	76,948,309	1,791,805,240	23.29
AGGREKO, INTERNATIONAL LTD.-80 MW ASHUGONJ		-	-	-	628,505,072	3,357,617,523	5.34
250 MW Elec. Purchase from INDIA		-	-	-	-	-	-
SUB TOTAL - RENTAL - DIESEL		**669,284,395**	**18,231,659,755**	**27.24**	**1,607,618,480**	**23,508,179,619**	**14.62**
TOTAL RENTAL PLANT		**9,409,046,479**	**103,400,499,161**	**10.99**	**8,683,526,590**	**88,338,293,915**	**10.17**

GENERATION COST OF BPDB'S OWN GENERATING PLANT

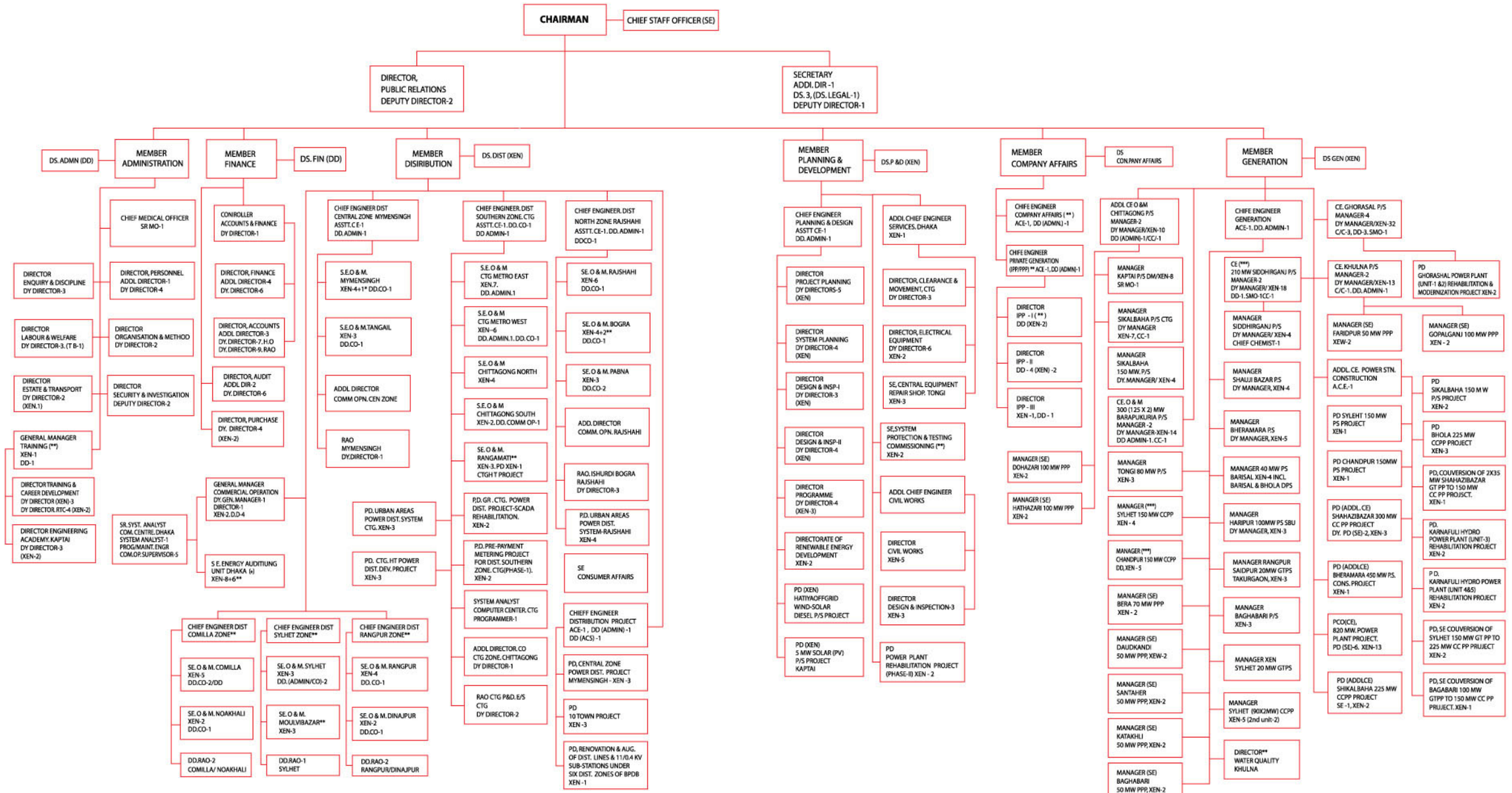
Sl. No.	Generating Plant under Power Station	Capacity	Net Generation kWh	Variable Cost				Fixed Cost		Total Generation Cost	Generation Cost Tk/kWh
				Fuel Cost Tk	Fuel cost Tk/kWh	Variable O & M	Variable O & M Tk/kWh	Total Fixed Cost	Fixed Cost Tk/kWh		
1	2	3	4	5	6=(5/4)	7	8=7/4	9	10=9/4	11=5+7+9	12=11/4
1	KARNAFULI HYDRO POWER STATION	230	893,797,875	-	-	121,861,466	0.14	665,665,716	0.74	787,527,183	0.88
	TOTAL WATER	**230**	**893,797,875**	-	-	**121,861,466**	**0.14**	**665,665,716**	**0.74**	**787,527,183**	**0.88**
2	WIND BASE POWER STATION, KUTUBDIA		-	-		50,565		2,413,173		2,463,738	
	TOTAL WIND	-	-	-		**50,565**		**2,413,173**		**2,463,738**	
3	BAGHABARI POWER STATION	171	1,315,642,010	1,327,063,222	1.01	272,275,135	0.21	414,873,233	0.32	2,014,211,590	1.53
4	GHORASHAL POWER STATION	950	3,300,771,048	3,083,866,911	0.93	348,660,926	0.11	2,595,367,945	0.79	6,027,895,782	1.83
5	CHITTAGONG POWER STATION, RAWZAN	420	559,241,076	694,927,906	1.24	282,288,226	0.50	941,502,513	1.68	1,918,718,645	3.43
6	SHIKALBAHA POWER STATION	210	381,645,608	1,000,821,805	2.62	99,523,372	0.26	765,538,365	2.01	1,865,883,542	4.89
7	KUMERGOAN GT POWER SYLHET	20	34,769,770	45,506,458	1.31	130,484,706	3.75	28,189,094	0.81	204,180,258	5.87
8	SYLHET 150 MG PEAKING POWER PLANT	150	631,796,005	621,360,090	0.98	556,209	0.00	81,341,928	0.13	703,258,227	1.11
9	FENCHUGANJ 2x 90 MW CCPP (1st & 2nd unit)	180	867,854,668	763,233,454	0.88	43,318,662	0.05	587,300,165	0.68	1,393,852,281	1.61
10	SHAHJIBAZAR POWER STATION	117	439,725,247	494,243,945	1.12	61,386,266	0.14	266,958,135	0.61	822,588,347	1.87
11	TONGI POWER STATION	109	338,247,146	374,208,799	1.11	256,610,858	0.76	300,060,486	0.89	930,880,143	2.75
12	SIDDIRGONJ POWER STATION	210	695,612,826	658,317,080	0.95	61,633,944	0.09	856,411,000	1.23	1,576,362,024	2.27
13	CHADPUR PEAKING POWER PLANT	150	671,273,296	482,918,312	0.72	1,463,989	0.00	89,992,916	0.13	574,375,218	0.86
14	SBU Haripur (cost of BPDB's book)							175,784,394		175,784,394	
	TOTAL GAS	**2,687**	**9,236,578,700**	**9,546,467,982**	**1.03**	**1,558,202,293**	**0.17**	**7,103,320,174**	**0.77**	**18,207,990,449**	**1.97**
15	BARAPUKURIA POWER STATION	250	1,156,420,520	5,381,781,158	4.65	286,513,583	0.25	931,258,730	0.81	6,599,553,471	5.71
	TOTAL COAL	**250**	**1,156,420,520**	**5,381,781,158**	**4.65**	**286,513,583**	**0.25**	**931,258,730**	**0.81**	**6,599,553,471**	**5.71**
16	KHULNA POWER STATION	170	31,862,242	874,541,045	27.45	94,569,281	2.97	643,218,440	20.19	1,612,328,766	50.60
17	BAGHABARI 50 PEAKING POWER PLANT	50	128,710,823	1,894,067,307	14.72	74,577,415	0.58	177,333,047	1.38	2,145,977,770	16.67
18	BERA PEACKING POWER PLANT	70	103,197,483	1,547,438,841	14.99	1,931,480	0.02	175,406,951	1.70	1,724,777,272	16.71
19	HATHAZARI PEACKING POWER PLANT	100	133,589,904	1,904,131,707	14.25	2,004,971	0.02	306,662,976	2.30	2,212,799,654	16.56
20	DOHAZARI PEACKING POWER PLANT	100	144,528,600	2,059,224,169	14.25	1,805,743	0.01	326,123,294	2.26	2,387,153,206	16.52
21	FARIDPUR PEACKING POWER PLANT	50	106,379,040	1,548,602,423	14.56	37,480,387	0.35	137,332,718	1.29	1,723,415,529	16.20
22	GOPALGONJ PEAKING POWER PLANT	100	208,464,082	3,122,146,387	14.98	83,768,005	0.40	258,815,193	1.24	3,464,729,585	16.62
23	DAUDKANDI PEACKING POWER PLANT	50	82,971,404	1,280,972,133	15.44	-	-	191,732,839	2.31	1,472,704,972	17.75
24	SHANTAHAR 50MW POWER PLANT	50	38,548,100	584,019,558	15.15	150,529	0.00	118,183,368	3.07	702,353,455	18.22
25	KATAKHALI 50MW POWER PLANT	50	38,045,952	576,015,764	15.14	297,731	0.01	114,278,419	3.00	690,591,914	18.15
	TOTAL HFO	**790**	**1,016,297,630**	**15,391,159,334**	**15.14**	**296,585,542**	**0.29**	**2,449,087,246**	**2.41**	**18,136,832,123**	**17.85**
26	BHERAMARA POWER STATION	60	28,152,279	808,348,907	28.71	139,183,395	4.94	208,618,093	7.41	1,156,150,395	41.07
27	BARISHAL GAS TURBINE POWER STATION	40	19,078,164	586,609,887	30.75	74,705,107	3.92	56,828,329	2.98	718,143,324	37.64
28	BARISHAL DIESEL POWER STATION	6	(3,000)	-	-	357,463	(119.15)	37,110,795	(12,370.27)	37,468,258	(12,489)
29	BHOLA DIESEL POWER STATION	8.36	-	864		1,025,287		22,419,330		23,445,481	
30	SAYEDPUR GAS TURBINE POWER STATION	20	15,547,340	431,064,500	27.73	354,662,058	22.81	48,112,285	3.09	833,838,843	53.63
31	RANGPUR GAS TURBINE POWER STATION	20	11,773,494	325,073,835	27.61	132,241,325	11.23	34,041,827	2.89	491,356,988	41.73
32	SAYEDPUR DIESEL GENERATOR		-	-		-		699,723		699,723	
33	THAKURGOAN DIESEL GENERATOR		-	-		-		2,601,567		2,601,567	
34	KUTUBDIA DIESEL GENERATOR	1.5	189,918	3,317,408	17.47	447,756	2.36	5,005,616	26.36	8,770,780	46.18
35	SANDIP DIESEL GENERATOR	2.64	412,227	8,136,568	19.74	1,053,330	2.56	3,357,649	8.15	12,547,547	30.44
36	HATIYA DIESEL GENERATOR	2.2	1,151,900	32,462,041	28.18	2,230,969	1.94	8,809,372	7.65	43,502,382	37.77
37	DGD, Dhaka		-	693,677		275,552		21,259,886		22,229,115	
	TOTAL DIESEL	**161**	**76,302,322**	**2,195,707,688**	**28.78**	**706,182,242**	**9.26**	**448,864,473**	**5.88**	**3,350,754,404**	**43.91**
	TOTAL GENERATION COST	**4,118**	**12,379,397,047**	**32,515,116,163**	**2.63**	**2,969,395,692**	**0.24**	**11,600,609,512**	**0.94**	**47,085,121,367**	**3.80**

বাংলাদেশ
বিদ্যুৎ উন্নয়ন বোর্ড

ORGANISATION CHART OF BANGLADESH POWER DEVELOPMENT BOARD

(SHOWING POSITION DOWN TO XEN / DD AND EQUIVALENT)

As on June, 2013



SUMMARY (INCLUDING PROJECTS)

CHAIRMAN-1, MEMBER-6, CHIEF ENGINEER-10+6**, G.M/ADDL. CHIEF ENGINEER-8
CONTROLLER-1, CMO-1, MANAGER/DIRECTOR(TECH)/SE/DGM-87+6**, SR.SYSTEM ANALYST-1
SECRETARY/DIRECTOR(NON TECH)-13+1**, ADDL. DRECTOR-14
XEN/DD/DS/DM-320+23** DD (NON TECH)-116+3**, SYSTEM ANALYST-2
PRO/M.E/COMPUTER ORERATION SUPERVISOR-6, CC-8, SMO-3

TOTAL SANCTIONED STRENGTH- 21,943

(*) THERE IS NO APPROVAL OF THE GOVERNMENT AFTER 30 JUNE, 1991 FOR THE OFFICES UNDER ENERGY AUDITING UNIT
(**) THERE IS NO APPROVAL AS YET FROM THE GOVERNMENT
(***) SET-UP ISSUED FROM APPROVED PP PROVISION AS PER REQUIREMENT

THE MANPOWER OF ABOVE STARS (*, **, ***) ARE NOT INCLUDED IN THE SET-UP STRENGTH.

PRIMARY GRID SYSTEM OF BANGLADESH

AS ON JUNE 2013

Directorate of System Planning, BPDB

LEGEND

230 KV LINE

132 KV LINE

EXISTING POWER STATION

EXISTING GRID SUB-STATION

N

SCALE 0 10 20 30 40 50 100 KM

PANCHAGARH 82 MVA

47 MW RENTAL

THAKURGAON 102 MVA

20 MW G.T 82 MVA SAIDPUR

LALMONIRHAT 40MVA

PURBASADIPUR 56.67 MVA

RANGPUR 20 MW G.T 82MVA

2X125 MW COAL BARAPUKURIA 450MVA

PALASHBARI 40MVA

Joypurhart 82 MVA

Shantahar 50 MW RE

BOGRA NEW

BOGRA OLD 225 MVA

18 MW(Rental) 20 MW(Rental)

NAOGAON 143MVA

CH.NAWABGANJ 60MVA

NIAMATPUR 100MVA

50 MW QR

RAJSHAHI 86MVA

50 MW QR 50 MW RE

NATORE 82MVA

Sirajganj 150 MW GT

SIRAJGANJ 60MVA

PABNA 82MVA

SHAHJAD PUR 60MVA

100 MW G.T 90 MW IPP 71 MW G.T 52 MW PEAK

TANGAIL 82MVA

ISHURDI 675 MVA

BERA 71 MW PEAK

BAGHABARI

BHERAMARA 3X20 MW G.T 105 MW RENTAL 40MVA

KABIRPUR 165MVA

BASUNDHARA

JOYDEVPUR 102MVA

2X64 MW S.T 3X150 MW S.T 90 MW C.C 56 MW G.T 55 MW RE 50 MW RE 80 MW QR 78 MW QR

300,116MVA ASHUGANJ

MANIKGANJ 100MVA

250,91MVA GHORASAL

2X55 S.T 4X210 MW S.T 100 MW QR 45 MW QR 78 MW QR

BOTTAIL 82MVA

CHUADANGA 82 MVA

JHENAIDA 82MVA

FARIDPUR 82 MVA

54 MW PEAKING

MAGURA 82MVA

MUNSIGANJ 150MVA

SIDDHIRGANJ

HARIPUR

3X32 MW G.T NEPC 110 MW (IPP) 360 MW CC

HASNABAD

KERANIGANJ

102 MW QR 49 MW QR 100 MW QR

MEGHNAGHAT 150MVA

450 MW CC 100 MW QR

DAUDKANDI 150MVA

COMILLA NORTH 225.40MVA

52 MW PEAK

COMILLA SOUTH 164MVA

JESSORE 163MVA

MADARIPUR 82MVA

82MVA

Chandpur 163 MW PP

NOAPARA 40MVA

GOPALGONJ 40MVA

CHOWMOHANI 123MVA

FENI 82MVA

40 MW Q.R 105 MW RENTAL

KH.CENTRAL 192MVA

109 MW PEAKING

KH.SOUTH

33.34MVA

GALLAMARI

GOALPARA

110 MW S.T 60 MW S.T 110 MW RE(KPCL) 53 MW Q.R. 115 MW Q.R (KPCL)

BAGERHAT 82MVA

BARISAL

2X20 MW G.T 5.5 MW DIESEL

82MVA

SATKHIRA 82MVA

MONGLA 82MVA

BHANDARIA 40MVA

PATUAKHALI 81MVA

JAMALPUR 82MVA

NETROKONA 40MVA

MYMENSINGH 123MVA

RPCL 210 MW C.C.

KISHORGANJ 30MVA

81MVA

SYLHET 165.3MVA

20 MW G.T 48 MW Rental 10 MW Rental 142 MW CC

Bibiyana S/S

FENCHUGANJ P/S

91 MW CC 51 MW RENTAL 104 MW CC 44 NW RENTAL

FENCHUGANJ 40MVA

60 MW G.T 2X35 MW G.T 86 MW Rental 50 MW Rental

56MVA SHAHJIBAZAR

58 MW Q.R

SREEMONGAL 40MVA

B.BARIA 82MVA

2x210MW S.T

RAUJAN

HATHAZARI 450,126MVA

98 MW PEAK

BAROAULIA 81.7MVA

2X40 MW HYDRO 3X50 MW HYDRO

20MVA

KAPTAI

CHANDROGHONA 40MVA

MADANHAT 82MVA

60 MW S.T 150 MW G.T 55 MW G.T

KULSI 126MVA

BAKULIA

SIKALBAHA 83.2MVA

HALISHAHAR 167.67MVA

DOHAZARI 80MVA

102 MW PEAK

JULDA 96 MVA

100 MW QR

SHAMIRPUR 96MVA

COX'S BAZAR 82MVA

Bay of Bengal

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