

ANNUAL REPORT

2009 - 2010



BANGLADESH POWER DEVELOPMENT BOARD

From the desk of Chairman

ANNUAL REPORT

2009-2010



BANGLADESH POWER DEVELOPMENT BOARD

BANGLADESH POWER DEVELOPMENT BOARD

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 a holding Company.

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 2020.
- 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 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.

From the desk of Chairman

Bangladesh, an emerging economy of South Asia, needs electricity growth rate of at least 10% each year to maintain the yearly economic growth more than 7%. At present only 49 % of the people have access to electricity. Per capita generation is only 236 kWh. With the present power generation capacity of 5936 MW, it is very difficult to manage the growing demand of electricity resulting persistent load shedding in hot summer days. This shortage and unreliable power supply have negative impact on social and economic development.



In the above backdrop of government's effort to plan and implementation of new power generation projects to make the country 'load shedding free' by 2013 and beyond, we are publishing the Annual Report of Bangladesh Power Development Board (BPDB) for fiscal year 2009 -10.

Electricity is a critical element for enhancing economic growth, poverty reduction and social development. For improvement of the quality of living of the people, development in agriculture and industry sector and for overall development of the economy, demand of electricity is increasing day by day. Considering enormous importance of power and to implement election manifesto, present Government has adopted short, medium and long term plan for power generation to ensure balanced development.

Present government has made the most strategic and timely change in the power generation planning in terms of fuel diversity. The change has been made considering existing gas supply shortage, uncertainty of gas supply in future and analysing primary fuel supply scenarios for future power generation. Efforts are under way to reduce dependence on natural gas for the sake of energy security. Diverse fuel options like liquid fuel, imported and indigenous coal, renewable energy, LNG have been considered in power generation planning up to 2015 and beyond. We are expecting about 2000 MW generation addition every year up to 2015. Besides this short and long term planning, we are at the final stage of completing long term Power System Master Plan (PSMP 2010) study up to 2030.

In line with enhanced regional cooperation, initiative has been taken to exchange power from neighboring countries. Grid interconnection project with India is under implementation to facilitate importing 500 MW power under the MOU signed by the two governments in January 2010. Efforts are also undergoing to explore options of importing power from neighboring Myanmar, Nepal and Bhutan.

Government has also taken initiative to increase share of power generation from renewable sources. BPDB is providing solar based power to many consumers of remote areas like Juraichori, Barkal, Thanchi of Chittagong Hill Tracts area and Chitmohol (enclave) like Dahagram and Angurpota. BPDB installed Solar Power System of 21.2 kW peak at Honorable Prime Minister's Office, which is so far the highest unit capacity solar system in the country. BPDB is also the owner of first grid connected wind power project in Bangladesh. As per government's directive, incorporation of solar power system at BPDB offices is under process. Procurement process for implementation of 100 MW grid connected wind power project and 10-15 MW grid connected solar power projects are also initiated.

However during the FY 2009-10 progress have been made in different areas of BPDB specially generation and distribution. Maximum generation 4606 MW was achieved during the said period in contrast to 4162 MW in the previous year. Revenue collection has been increased and system loss has been reduced as compared to the previous years. The loss in BPDB's own distribution was reduced to 13.06 % in FY 2010 from 13.57 % in FY 2009. The revenue collections during the FY 2010 was Tk. 67 billion which was 13 % higher than that of the previous year.

BPDB is also committed to provide quality electricity to the customers and trying hard to materialize its mission by transforming BPDB as a world class utility.

A handwritten signature in black ink, appearing to be 'A S M Alamgir Kabir', written in a cursive style.

A S M Alamgir Kabir
Chairman

Bangladesh Power Development Board



Hon'ble Prime Minister Sheikh Hasina unveiling the foundation Stone of Chandpur 150 MW Combined Cycle Power Plant.

CONTENTS

Key Statistics			
Highlight			
CHAPTER 1	09-12		
The board			
CHAPTER 2	13-26		
Operation			
Power Demand			
Load Factor and Load Management			
Installed Capacity			
Generation			
Energy Flow Chart			
Per Unit Cost of Electricity Supply			
Cost of Fuel			
Transmission Lines and Sub-station			
Distribution			
Financial Operation			
Manufacture of Pre-stressed Concrete Poles			
CHAPTER 3	27-32		
Planning and Development			
Planning & Development			
Development Activities			
Generation Addition Plan Up to 2015			
Projects Under Implementation			
CHAPTER 4	33-60		
Tables & Charts			
(Historical)			
CHAPTER 5	61-70		
Power Scenario & Future Plan			
Plan on the date of publication of the Report			
		CHAPTER 6	71-76
		Reforms and other activities	
		CHAPTER 7	77-94
		ACCOUNTS, FINANCE AND AUDIT	
		Accounts, Finance and Audit	
		Actual Income & Expenses	
		Balance Sheet	
		Income Statement	
		Cash Flow Statement	
		Revenue	
		Cost of Sales	
		Electricity Purchase from IPP	
		Manufacturing & Labour and Overhead	
		Power Purchase from Rental Plant	
		Electricity Purchase from Public Plant	
		Other Operating Income	
		Distribution Expenses	
		Customer Accounts Expenses	
		General & Administrative Expenses	
		Financing Cost	
		Loss on Exchange Fluctuation	
		Property Plant and Equipment Less Depreciation	
		Generation Cost	
		Budget Comparison Statement	
		Income Statement & Balance Sheet Ratios	
		Organisation Chart	
		230 kV, 132 kV & 33 kV System in	
		Bangladesh (Map)	

KEY STATISTICS

Sl. No.	Particulars	Year 2008-09	Year 2009-10	% change over previous year
1	Installed Capacity in MW (As of June)	5,719	5,823	1.82
	BPDB	3,812	3,719	-2.44
	IPP	1,330	1,330	0.00
	SIPP/Rental Power Plant	351	548	56.13
	REB	226	226	0.00
2	Generation Capacity (Derated)	5,166	5,271	2.03
3	Maximum Peak Generation (MW)	4,162	4,606	10.67
4	Gross generation in GWh (BPDB)	16,430.65	17,064.00	3.85
5	Station service and own use in GWh (BPDB)	982.03	992.67	1.08
6	Net generation in GWh (BPDB)	15,449	16,071	4.03
7	Net Power Purchase from IPP GWh	8,832	8,369	-5.24
8	Net Power Purchase from SIPP/ Rental GWh	1,342	3,029	125.76
9	Net generation in GWh (REB)	911	1,777	95.00
10	Net generation (BPDB+IPP+SIPP/Ren.+REB) GWh	26,533	29,247	10.23
11	Bulk Energy sold by BPDB in GWh	24,757	26,627	7.55
12	Energy sold by BPDB's own Dist. Zones in GWh	5,222	5,863	12.27
13	Distribution system loss in %	13.57	13.06	-0.51
14	Annual Plant Factor of BPDB plants in % on the basis of Present (derated) capacity	56.47	57.79	1.32
15	System load factor in % (Load shedding not included in Max. Gen.)	72.97	70.54	-2.43
16	Cost of fuel for BPDB thermal Plants in Million Taka	18,232	16,364	-10.25
17	Cost of fuel/kWh in Taka	1.11	0.96	-13.58
18	Supply cost Taka/kWh	2.61	2.68	2.68
19	No. of consumers	1,922,361	2,066,966	7.52
20	Amount billed in Million Taka	61,332	68,532	11.74
21	Net Revenue collection in Million Taka	58,995	66,776	13.19
22	Total population in Million	144	146	1.39
23	Per capita generation in kWh	184.26	200	8.72

Note

GWh = Gigawatthour

1 GWh = 106 kWh

2009-2010 or FY 2010 is the fiscal year starting from July 2009 to June 2010.

HIGHLIGHTS

In FY 2010, the maximum generation was 4,606 MW compared to that of previous year 4,162 MW. Due to the shortage of available generation capacity with respect to the increasing demand, lead to significant amount of load shedding up to maximum 1500 MW. In this year load shedding was imposed on 354 days, which was 351 days in previous year. In FY 2010 duration of load shedding has also increased mainly due to inadequate gas supply and low gas pressure causes lower utilization of plant capacity. During FY 2010, total duration of grid failure was 32 hours 30 minutes, which was about 57.44% lower than the interruption in FY 2009. The maximum demand served in this year was 4,606 MW against the forecast demand of 6,454 MW. The net energy generated during FY 2010 including IPPs & REB was 29,247 GWh, which depicts an increase of 10.23 % over that of FY 2009.

In the east zone, electricity generated is mainly by indigenous gas based power plants. Hydro in south-east region contributes a small portion of total generation. In the west zone, imported liquid fuel, domestic coal, and natural gas are used for generation of electricity. Low cost electricity generated in the east zone, is being transferred to the west zone through 230 kV East-West Inter-connector (EWI). The energy transferred through EWI at the Ghorasal and Ashuganj end in FY2010 was 3831 GWh, which is 50 % increase over the previous year. The average fuel cost per unit generation of thermal power plants in the east and west zone under BPDB was Tk. 0.88/kWh and Tk. 3.76/kWh respectively. Net generation from only Hydro during FY 2010 was 729 GWh, which was 77 % higher than that in the previous year.

Distribution system loss of BPDB for FY 2010 was 13.06 % which was 13.57 % in FY 2009. The system loss was reduced in this financial year due to extensive drive and proper monitoring in commercial operations.

The operating profit / (loss) (before interest) was (3963.63) Million Taka. The average cost of bulk power supply was Tk. 2.68 per kWh compared to average tariff of Tk. 2.37 per kWh during the year. The rate of return on revalued fixed assets was (2.42 %) during the year under review, which was (3.87 %) in FY 2009.



Before going abroad for a Road Show to attract foreign investment for power sector
A high powered delegation talking to the press.



A discussion meeting with the Heads of Banks and Financial institutions on 'Investment Opportunity in Power Sector'

Chapter 1



BANGLADESH POWER DEVELOPMENT BOARD

Present Board

(1 February, 2011)



Md. Humayun Kabir Khan
Member (Administration)



A S M Alamgir Kabir
Chairman



Md. Fazlul Hoque
Member (Finance)



Md. Mostafa Kamal
Member (Generation)



Masum-Al-Beruni
Member (P & D)



K.G.A. Rabbani
Member (Distribution)

The Board (2009-2010)

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. It started its operation with Generation capacity of only 180 MW Presently it generates & manages about 6000 MW capacity (both public & private).

As part of reform and restructuring a number of Generation and Distribution companies have been created. The subsidiaries of BPDB are:

- Ashuganj Power Station Company Ltd. (APSCL)
- Electricity Generation Company of Bangladesh (EGCB)
- North West Power Generation Company Ltd. (NWPGL)
- West Zone Power Distribution Company Ltd. (WZPDCL)

The BPDB is responsible for major portion of generation and distribution of electricity in urban areas of the country. The Board is under the Power Division of the Ministry of Power, Energy and Mineral Resources, Government of Bangladesh.

BPDB has taken a massive capacity expansion plan to add about 12000 MW Generation capacity in next 5 years and about 25000 MW by 2021 with the aim to provide quality and reliable electricity to all the people of Country for desired economic and social development.

With the aim to provide quality and reliable electricity to the people of Bangladesh for desired economic and social

development, the power system has been expanded to keep pace with the fast growing demand. During the year under report (2009-2010) Bangladesh Power Development Board consisted of the following Chairman and Members:

Chairman

Mr. A S M Alamgir Kabir

Member (Administration)

Mr. S.M. Mesbahul Islam

Member (Finance)

Mr. Md. Fazlul Hoque

Member (Generation)

Mr. Tapan Kumar Chowdhury (Upto September 27, 2009)

Mr. Md. Mostafa Kamal (From September 28, 2009)

Member (Distribution)

Mr. Md. Mostafa Kamal (Upto September 31, 2009)

Mr. Md. Jamal Ullah (From October 1, 2009 to April 13, 2010)

Mr. KGA Rabbani (From April 15, 2010)

Member (Planning & Development)

Mr. Md. Delwar Hossain

Member (Company Affairs)

Mr. Md. Moqbul Hussain (From January 4, '10 to March 30, '10)

Mr. Md. Jamal Ullah (From March 30, 2010 to April 6, 2010)

Mr. Md. Latifur Rahman (From April 7, 2010 to May 6, 2010)

Mr. Md. Delwar Hossain (From May 6, 2010)



Meeting of Bangladesh-India Joint Steering Committee on Power Sector was held at a local hotel in Dhaka.



Signing of MOU between BPDB and NTPC, India in Dhaka.



Chapter 2



OPERATION



Hon`ble Prime Minister Sheikh Hasina is offering prayer after inauguration of Ashugonj 55 MW rental power plant.

POWER DEMAND

The forecast of maximum demand for FY 2010 was 6,454 MW. Demand is increasing fast due to enhanced economic activities in the country with sustained GDP growth. At present electricity demand growth is about 10% which is expected to be more in coming years.

LOAD FACTOR AND LOAD MANAGEMENT

Consumers' demand in BPDB system, as other electric utilities, varies throughout the day and night. The maximum demand occurs during 5 pm to 11 pm termed as '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 high Load Factor, as this would permit better utilization of plant capacity. The cost of energy supply during peak hour is high as some relatively costlier power plants are required to be used during peak hour.

There are certain categories of consumers who can avoid or reduce electricity consumption during peak hour. As such, effort is being made to discourage those consumers not to use electricity during peak hour. Attempt has also been made to apply two-part tariff, by which consumers of certain categories are

billed at higher rate for their consumption during peak hour, which would motivate them to consume less electricity at peak hour and more electricity during off peak hour. Market & shopping malls are closed after 8.0 PM to reduce electricity consumption in the peak hour as DSM measures. Holiday staggering for industries is being done to mitigate load-shedding problem in the country.

BPDB installed 22,550 numbers double tariff programmable meters during the FY2010. Out of these, 19,903 numbers were installed for LTI (Low Tension Industrial) consumers and 2,647 numbers were for HT (High Tension) consumers.

INSTALLED CAPACITY

Total installed capacity was 5823 MW including 1330 MW in IPP, 548 MW in SIPP/Rental Power Plant and 226 MW in REB, but Generation Capacity (derated) was 5271 MW. The actual maximum peak generation was 4606 MW which was 10.67% higher than that in the previous year. The reasons for lower actual peak generation were (1) some plants were out of operation for maintenance, rehabilitation & overhauling, (2) capacity of some plants were derated due to aging and (3) gas shortage. The installed capacity mix including IPPs is shown below:

Installed Capacity by Plant & Fuel Type

Plant type	Capacity (MW)	Fuel type	Capacity (MW)
Hydro	230 (3.95%)	Gas	4822 (82.81%)
Steam Turbine	2638 (45.31%)	Furnace Oil	335 (5.75%)
Gas Turbine	1466 (25.18 %)	Diesel	186 (3.20%)
Combined Cycle	1263 (21.69%)	Hydro	230 (3.95 %)
Diesel	226 (3.87 %)	Coal	250 (4.29%)
TOTAL	5,823 (100.00 %)	TOTAL	5,823 (100.00%)

GENERATION

During this year 16,072 GWh of net energy was generated in the public sector power plants. In addition about 11,398 GWh of electricity was purchased by BPDB as a single Buyer from IPPs (Independent Power Producer), SIPPs & Rental Power Plants in the private sector. As a result, the net energy generated by public and private sector power plants stood at 27,470 GWh (Excluding Power purchase by REB from IPP), which was 7.21 % higher than the previous year's net generation of 25,622 GWh.

Total net energy generated by the public (BPDB) and private sector power plants (IPP) by type of fuel were as follows:

Hydro	:	728.56 GWh (2.65%)
Natural Gas	:	24316.49 GWh (88.52%)
Furnace Oil	:	876.51 GWh (3.19%)
Diesel	:	517.36 GWh (1.89%)
Coal	:	728.56 GWh (3.75%)
Total	:	27469.67 GWh (100%)

OVERALL EFFICIENCY

The overall thermal efficiency (Net) of the generators in the public sector in FY 2010 was 32.12 % compared to 31.99 % in the previous year.

The following table shows the generators, which were under major maintenance in FY 2010.

MAJOR MAINTENANCE OF GENERATORS IN FY 2010

GENERATORS	DURATION OF MAINTENANCE		REMARKS
	DATE OF START	DATE / EXPECTED DATE OF COMPLETION	
Ashugonj (ST)	05-12-2009	--	Maintenance
Karnafuly Hydro (Unit-3)	19-04-2008	--	Maintenance
Karnafuly Hydro (Unit-4)	18-01-2010	--	Maintenance
Khulna 110 MW Power Station	31-03-2009	--	Maintenance
Khulna 60 MW Steam	05-07-2006	08-03-2010	Overhauling
Baghabari 100 MW Power Station	02-07-2009	11-12-2009	Maintenance



Contract signing ceremony between BPDB and Banglalink for electronic Billpay system.



Signing of contract between BPDB and AKTEL for paying electricity bill through mobile phone.

PLANT WISE GENERATION (FY 2010)

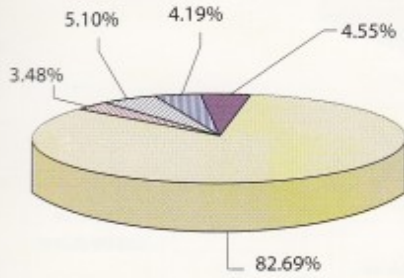
Sl. No.	power plant	Fuel	Installed Capacity (As of June) (MW)	Derated Capacity (As of June) (MW)	Gross Generation (GWh)	Annual Plant factor (%)	Efficiency (%) (Net)
1	Karnafuli Hydro(2x40 MW+3x50 MW)	Hydro	230	230	732.04	36.33	
2	Chittagong Thermal Power Plan Unit #-1	Gas	210	180	461.80	29.29	27.54
	Chittagong Thermal Power Plan Unit #-2	Gas	210	180	639.30	40.54	30.92
3	Sikalbaha 60 MW Steam Turbine	Gas	60	40	98.30	28.05	24.94
4	Ashuganj 2x64 MW Steam Turbine	Gas	128	128	838.11	74.75	29.96
	Ashuganj 3x150 MW Steam Turbine	Gas	450	380	3,050.80	91.65	32.06
	Ashuganj GT 1	Gas	56	40 } CC	266.94	76.18	22.05
	Ashuganj ST	Gas	34		18	24.76	15.71
	Ashuganj GT 2 *	Gas	56	40	295.51	84.34	23.97
5	Ghorasal 2x55 MW Steam Turbine (1+2nd Unit)	Gas	110	85	360.30	48.39	23.78
	Ghorasal 2x210 MW Steam Turbine(3+4th Unit)	Gas	420	380	2,386.08	71.68	30.05
	Ghorasal 2X210 MW S/T (5+6th Unit)	Gas	420	380	2,657.34	79.83	32.39
6	Siddhirganj 210 MW Steam Turbine	Gas	210	150	1,079.19	82.13	32.51
	Siddhirganj 2x120 MW Gas Turbine	Gas	105	105	173.96	18.91	26.65
7	Haripur 3x33 MW Gas Turbine	Gas	96	96	183.50	21.82	26.26
8	Tongi 100 MW Gas Turbine	Gas	105	105	334.06	36.32	25.45
9	Shahjibazar Gas Turbine(4 units)	Gas	60	38	26.34	7.91	14.87
	Shahjibazar 60 MW Gas Turbine	Gas	70	69	458.89	75.92	29.87
10	Sylhet 1x20 MW Gas Turbine	Gas	20	20	61.68	35.20	25.87
11	Fenchuganj C.C. (1st Unit)	Gas	97	91	604.22	75.80	41.08
	Fenchuganj C.C. (2nd Unit)	Gas			0.14		
12	Khulna 1x110 MW Steam Turbine	F.oil	110	60	-	0.00	-
	Khulna 1x60 MW Steam Turbine	F.oil	60	35	25.51	8.32	20.34
13	Barisal 2x20 MW Gas Turbine	HSD	40	32	84.33	30.08	19.63
	Barisal Diesel(9 units)	HSD	6	3.0	2.22	8.44	14.90
14	Bhola Diesel	HSD	3.0	2.0	0.62	3.53	17.74
	FO			-			
	Bhola New	HSD	2	2.0	0.08	0.44	32.70
15	Bheramara 3x20 MW Gas Turbine	HSD	60	54	125.99	26.63	22.52
16	Baghabari 71 MW Gas Turbine	Gas	71	71	470.04	75.57	27.54
	Baghabari 100 MW Gas Turbine	Gas	100	100	369.18	42.14	28.66
17	Rangpur 20 MW Gas Turbine	HSD	20	20	31.92	18.22	22.31
18	Saidpur 20 MW Gas Turbine	HSD	20	19	35.93	21.58	22.19
19	Barapukuria 2x125 MW ST (COAL)	COAL	250	220	1,183.24	61.40	30.34
	Total (Grid)		3889	3373	17062.32	57.7454	32.12
20	Isolated East Isolated West	HSD HSD			1.83 -		
	TOTAL BPDB		3889	3373	17064.15		
	BPDB Station Uses			992.6761 GWh			

Sl. No.	power plant	Fuel	Installed Capacity (As of June) (MW)	Derated Capacity (As of June) (MW)	Gross Generation (GWh)	Annual Plant factor (%)	Efficiency (%) (Net)
IPP							
1	KPCL (Khulna, BMPP)	FO	110	106	750.14		
2	WEST MONT(Baghabari, BMPP)	Gas	90	70	474.35		
3	NEPC(Haripur, BMPP)	Gas	110	110	337.08		
4	RPC(Mymensingh)	Gas	210	175	830.99		
5	AES, Haripur	Gas	360	360	2,675.19		
6	AES, Meghnaghat	Gas	450	450	3,301.22		
Sub Total IPP			1330	1271	8368.97		
RENTAL & SIPP							
1	Bogra Rental (15 Years)	Gas	21	21	149.75		
2	Khulna Rental (3 Years)	HSD	40	40	236.89		
3	Kumargoan (3 Years)	Gas	48	48	257.65		
4	Sahzibazar RPP (3 Years)	Gas	50	50	297.37		
5	Sahzibazar RPP (15 Years)	Gas	86	86	635.52		
6	Tangail SIPP (22 MW) (BPDB)	Gas	22	22	154.59		
7	Feni SIPP (22 MW) (BPDB)	Gas	22	22	160.86		
8	Kumargao 10 MW (15 Years)	Gas	10	10	74.04		
9	Barabkundu	Gas	22	22	166.31		
10	Bhola RPP (34.5 MW)	Gas	33	33	163.22		
11	Jangalia , Comilla (33 MW)	Gas	33	33	226.9373		
12	Fenchugonj 51 MW Rental (15 Yrs)	Gas	51	51	264.1994		
13	Shikalbaha 55 MW Rental (3 Years)	F.oil	55	55	105.6964		
14	Malancha				18.1579		
15	Ashugonj 55 MW 3 Years Rental	Gas	55	55	114.6307		
16	Thakurgaon 50 MW 3 Years Rental	HSD	50	50	0.0485		
17	Fenchugonj 50 MW (Energy Prima)	Gas			3.3581		
Sub-Total RENTAL & SIPP			598	598	3029.23		
Total Private (Net Generation)			1928	1869	11398.196		
BPDB Net Generation					16,071.47		
Total Net Generation (BPDB+IPP Net)					27,469.67		
Total Generation (BPDB Gross+IPP& Rental net)			5817	5242	28,462.34		

*** Install & Derated Capacity of Thakurgaon Diesel is shown 0 MW.

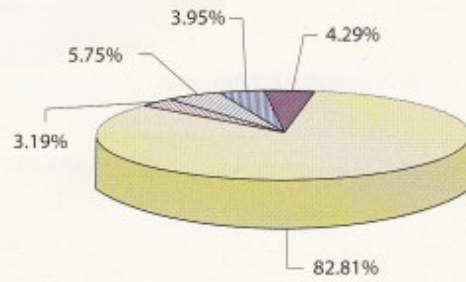
INSTALLED CAPACITY BY FUEL TYPE WITH COMPARISON

FY 2009

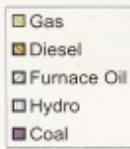


Total = 5493 MW

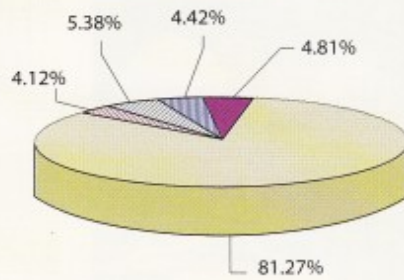
FY 2010



Total = 5823 MW

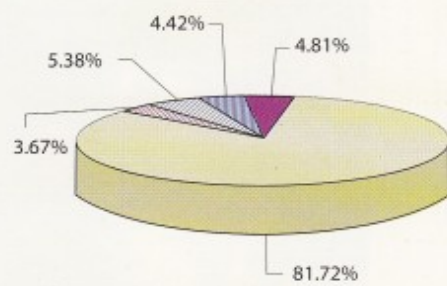


FY 2007



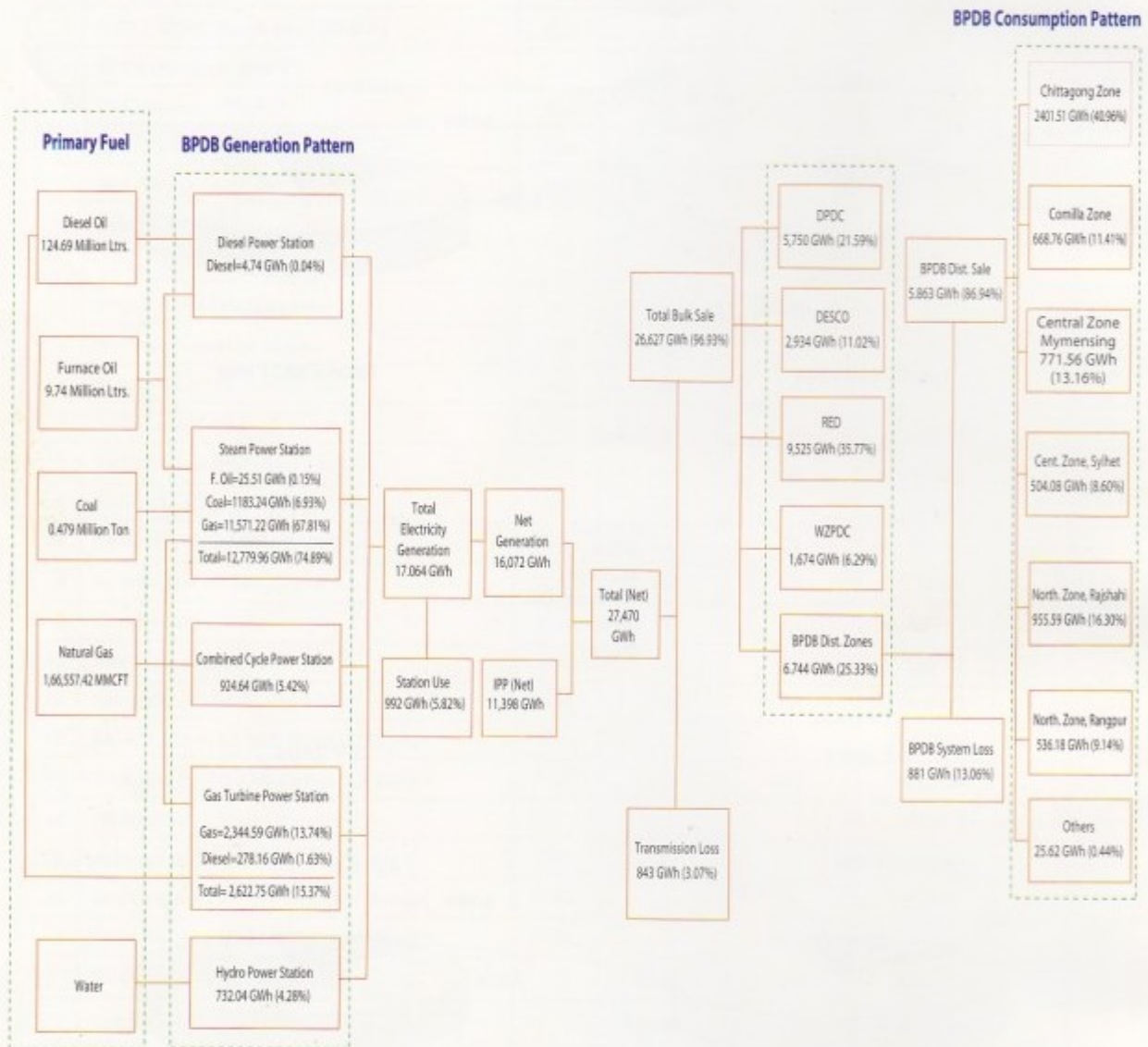
Total = 5202 MW

FY 2008



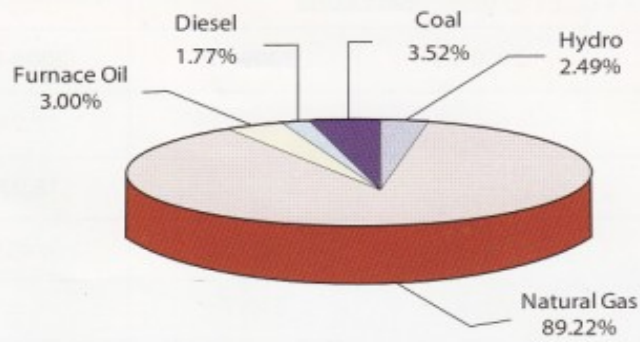
Total = 5202 MW

ENERGY FLOW CHART



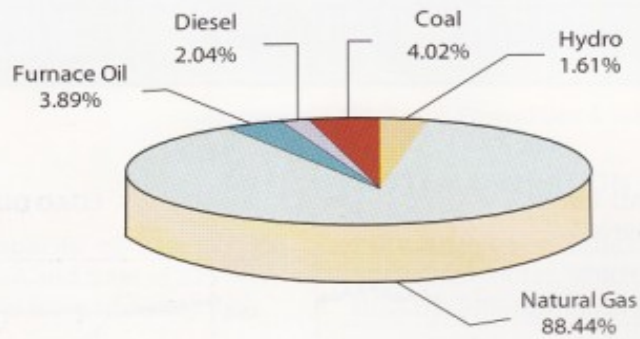
Generation by Fuel

FY 2010



Total Net Generation : 29,247 MkWh

FY 2009



Total Net Generation : 25,622 MkWh



A review meeting on project implementation chaired by Secretary Power Division Md. Abul Kalam Azad.

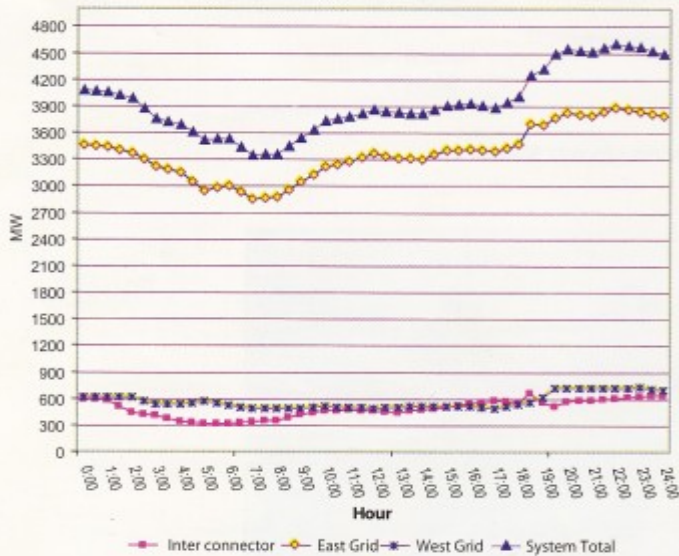
COST OF FUEL FOR GENERATION BY DIFFERENT FUEL & PLANT

Tk. / kWh

Name Of Plant	East Zone		West Zone	
	2008-09	2009-10	2008-09	2009-10
Diesel Station	----	----	12.946	15.687
Gas Turbine(Oil Fired)	----	----	18.975	18.803
Gas Turbine(Gas Fired)	1.042	1.092	0.955	1.01
Combined Cycle (Gas Fired)	0.726	0.862	----	----
Steam Turbine (Oil Fired)	----	----	9.614	10.924
Steam Turbine (Gas Fired)	0.093	0.092	----	----
Steam Turbine (Coal Fired)	----	----	1.992	2.009
Overall Fuel Cost Per Unit Of Thermal Generation	0.822	0.883	3.868	3.768

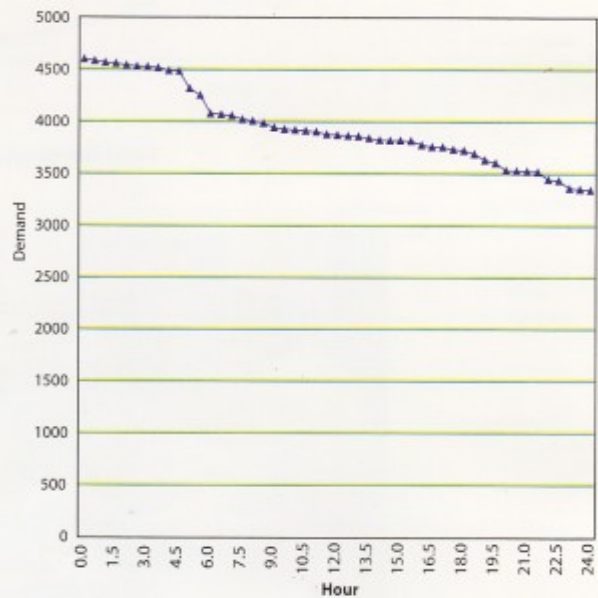
DAILY LOAD CURVE

Date: 14-04-2010



Source : Power Grid Company Of Bangladesh (PGCB)

LOAD DURATION CURVE



TRANSMISSION LINE

During FY 2009-10, Khulna(S)-Gallamari 4.2 km double circuit 132 kV transmission line under ADP and Ashuganj-Shahjibazar 53 km 132 kV single circuit, Noagaon-Niamatpur 46 km 132 kV single circuit & Aminbazar-Savar 13 km 132 kV double circuit transmission lines from PGCB's own fund were completed and energized. Constructions of several 132 kV lines are under way. Some of them will be commissioned very soon. The length of 132 kV line of whole transmission network has been increased to 5754 ckt km.

fiscal year Gallamari 132/33 kV 2x25/41 MVA, Niamatpur 2x35/50 MVA & Savar 2x50/75 MVA substations have been commissioned. Therefore the total capacity of 132/33 kV substations was increased from 9529 to 9899 MVA.



Ashuganj 55 MW Rental Power Plant & Sub-station

SUB STATIONS

In FY 2009-10 the total capacity of 230/132 kV GridSubstations was 6850 MVA and total of 225 MVA of new capacity of transformer were added. In this

SYSTEM OPERATION

In FY 2010 the total duration of Grid failure was 32 hours 30 minutes, which was about 57.44% lower than the interruption in FY 2009.

INTERRUPTION OF NATIONAL GRID IN FY 2009 & FY 2010

Sl. No.	Type of Fault	Total Number of Faults		Total Duration	
		FY 2009	FY 2010	FY 2009 Hours/ Minutes	FY 2010 Hours/ Minutes
1	Partial Power failure due to trouble in generation	95	128	06/44	16/37
2	Partial Power failure due to trouble in grid S/S Equipment	15	07	50/43	07/29
3	Partial Power failure due to fault in transmission line	14	06	16/55	07/45
4	Partial Power failure due to the lightning on transmission line/Thunder Storm	02	00	00/32	00/00
5	Partial Grid failure	05	01	01/28	00/39
6	Total Grid failure	00	00	00/00	00/00
	Total	131	142	76/22	32/30

DISTRIBUTION

The total length of distribution lines of 33 kV was 3,827 km, 11 kV is 9,659 km. and 0.4 kV is 16,103 km. i.e. total distribution lines was about 29,589 km at the end of FY 2010.

NUMBER OF CONSUMER

The total number of retail consumers at the end of FY 2010 was 20,66,966 compared to 19,22,361 at the end of FY 2009. This was about 7.5% increase over FY 2009.

FINANCIAL OPERATION

Sales & Revenue Collection

The energy sales (including bulk sales to DPDC, DESCO, WZPDC and REB) in this year increased to 25,744 GWh, which is 7.55 % increase over the previous year. The Revenue collection was Tk. 66,776 million in FY 2010, which is 13.33 % higher than that of the previous year.

Fuel Price

The price of Natural Gas were 79.82Tk./1000Cft in FY 2010. The price of High Speed Diesel (HSD), Light Diesel Oil (LDO) and Super Kerosene Oil (SKO) were 42.71 Tk./litre. Furnace Oil (F.Oil) price was 26.00 Tk/Litre.

Distribution System Loss

Distribution loss in BPDB's own distribution zones has decreased to 13.06 % from 13.57% in 2010.



BPDB is signing contract with KPCL for purchasing power from a quick rental power plant at Khulna



BPDB is signing contract with Sumit Power Company for purchasing power from a quick rental power plant at Madangonj.

Tariff

The average billing rate for retail consumers of BPDB distribution zones stood at Tk. 3.60 per kWh during the year, compared to the previous year's rate of Tk. 3.54 per kWh. Average bulk tariff rate was Tk. 2.37 per kWh.

Profit and Loss

The following indicator will throw some light on the financial performance of BPDB during the reporting period.

* Total revenue	M Tk. 71157.97
* Gross operating profit/ (Loss)	M Tk. (3963.63)
* Net (Loss)	M Tk. (6357.59)
* Accounts Receivable (Trade)	M Tk. 47954.16
* Rate of return % (on net fixed asset)	M Tk. (2.42 %)

To meet the growing demand of poles required for the expansion of Distribution Network, BPDB decided to set up plants to manufacture 33 kV, 11 kV and 0.4 kV pre-stressed concrete poles using latest technology. The first factory was constructed at Ghorashal in the year 1981 at a cost of Tk. 3.0 cores; the second one at Haliashahar, Chittagong in the year 1987, at a cost of Tk. 11.05 cores and the third one at Aricha by the side of river Jamuna in the year 1988, at a cost of Tk. 17.92 cores. But the production of Ghorashal plant is stopped since April 2001 due to expansion of Ghorashal 210 MW 6th unit power plant.

CHITTAGONG P.C. POLE MANUFACTURING PLANT

Details	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010
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
b) 15 x 190	524	163	298	716	676	723	564	1,256	1,901	600	582	499	1,322
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
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
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
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
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
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
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
b) 15 x 190	1,000	500	500	700	800	600	600	2,000	2,000	2,000	2,000	2,000	2,000
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
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
4. Use of production capacity (%)	68.81	84.48	99.15	71.87	138.22	120.57	95.07	86.84	95.63	85.45	82.03	34.39	80.69

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 220 x 650
	190	390	15,000	50	1840	550	15 x 190 x 550
ii) 11 kV poles 12 x 190	190	350	1,200	50	1220	450	12 x 190 x 450
iii) 0.4 kV poles 9 x 140	140	260	9,000	40	500	250	9 x 140 x 250

ARICHA P.C. POLE MANUFACTURING PLANT

Details	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010
1. Nos. of poles manufactured													
i) 33 kV poles 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	1,429
11x230	4,300	3,416	3,674	5,090	6,884	5,162	5,170	6,673	3,790	3,852	729	836	1,198
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	3,286	3,219
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	36,713	---
ii) 11 kV poles 12 M	10,642	10,868	13,802	14,197	14,197	14,197	15,783	15,783	17,328	17,328	24,486	21,574	21,574
11 M	9,400	9,634	12,385	12,652	12,652	12,652	13,910	13,910	15,313	15,313	21,066	18,560	18,560
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	8,421	8,421
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	4,000	3,000
11 M	4,000	4,000	4,000	4,000	8,000	5,000	5,000	5,775	5,000	5,000	5,000	5,000	2,000
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	11,000	5,000
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
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	430	55	1,719.78	500	15 x 230 x 500							
ii) 11 kV poles 12 M	230	390	55	1,249.44	400	12 x 230 x 400							
	11 M	375	55	1,110.46	350	11 x 230 x 350							
iii) 0.4 kV poles 9 M	150	270	50	522.50	200	9 x 150 x 200							



Hon`ble Prime Minister Sheikh Hasina offering prayer after inauguration of Fenchugonj 51 MW Rental Power Plant.

Chapter 3



PLANNING AND DEVELOPMENT

PLANNING & DEVELOPMENT

The Power System Master Plan (PSMP) was updated in 2006. In the PSMP of 2006 least-cost power system expansion, especially generation and transmission expansion plans were prepared covering a plan period of 20 years (2005-2025). The generation addition plans are being reviewed by BPDB incorporating latest changes in power demand, technology, financial market. BPDB has prepared short-term, mid-term and long-term plan for Power Development. The projects under short-term plan are at various stages of implementation

DEVELOPMENT ACTIVITIES IN FY 2010

A total of 14 projects were included in the Revised Annual Development Program (RADP) of FY 2010. These are as follows:

1. Generation projects - 08 nos.
2. Distribution projects - 05 nos.
3. TAPP Project - 01 no.

The following Project was completed in FY 2009:

1. Haripur GTPS 1st, 2nd & 3rd unit renovation & modernization.

The Original Allocation, Revised Allocation & the Expenditure incurred (provisional) during FY2010 is shown in the following table.

ANNUAL DEVELOPMENT PROGRAMME (ADP): FY 2010

(Taka in lakh)

Sub-Sector	Original ADP (FY 2010)			Revised ADP (FY 2010)			Expenditure incurred in FY 2010		
	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign
Generation	69163	64060	5103	62654	55985	6669	59962.55	53838.21	6124.34
Transmission	0	0	0	0	0	0	0	0	0
Distribution	15609	4944	10665	13665	8065	5600	6892.32	6892.32	0
TAPP	0	0	0	99	7	92	69.41	1.00	68.41
Total	84772	69004	15768	76418	64057	12361	66924.28	60731.53	6192.75

Generation Addition Plan up to 2015

In the year 2010 Government has prepared Immediate, Short, and Medium term Generation plan. According to that plan about 12,000 MW of new generation will be added to the national grid within FY 2015.



"Sector Leaders Workshop" with the participation of high officials of power sector entities was held at WAPDA Building. Two group of participants of the workshop are engaged in preparing group report.

PROJECTS UNDER IMPLEMENTATION (FY 2009-2010)

Taka in lakh

Sl. No.	Name of the projects	Estimated cost Total PA Local	Achievement during 09-10 Total PA Local	of Finance	Physical Target of the project in % 2009-10	Physical Progress of the project in % 2009-10	Cumulative Progress in %	Year of completion
1	2	3	4	5	6	7	8	9

GENERATION PROJECTS

1.	Ghorasal TPS 1st & 2nd unit rehabilitation & modernization	21024.5 12263.15 8761.36	530.22 100.00 430.22	Suppliers Credit Russia	3.00	1.20	89.60	2011
2.	Sylhet 90 MW Combined cycle P/P (2nd Phase)	71722.97 0.00 71722.97	2379.00 0.00 2379.00	GOB	1.50	1.50	98.00	Dec/20 10
3.	Chandpur 150 MW Combined Cycle Power Plant construction and associated Transmission line	120075.55 0.00 120075.55	120.68 0.00 120.68	GOB	2.00	2.00	31.25	June/2012
4	Sylhet 150 MW Combined Cycle Power Plant construction and associated Transmission line	87899.53 0.00 87899.53	2430.67 0.00 2430.67	GOB	2.00	2.00	23.90	June/2012
5.	Rehabilitation of Karnafuli Hydro Power station (unit -3)	17515.44 12324.87 5190.57	7431.33 6024.34 1406.99	Italy Gov.Tied loan	17.00	15.00	98.00	June/2010
6.	Sikalbaha 150 MW peaking power plant construction project	77798.35 0.00 77798.35	35984.21 0.00 35984.21	GOB	55.00	55.00	100	June/2010
7.	B PDB -Power Plant Maintenance & overhauling (Rehabilitation of Karnafuli Hydro Power station (unit -4 &5)	21636.00 0.00 21636.00	9386.49 0.00 9386.49	JDCF	37.00	32.50	62.00	June/2011
8.	Construction of 820 MW Peaking Power Plants	695985.79 0.00 695985.79	1700.00 0.00 1700.00	GOB	4.60	4.60	4.60	Dec/20 11

Sl. No.	Name of the projects	Estimated cost Total PA Local	Achievement during 09-10 Total PA Local	Source of Finance	Physical Target of the project in % 2009 - 10	Physical Progress of the project in % 2009 - 10	Cumulative Progress in %	Year of completion
1	2	3	4	5	6	7	8	9

TAPP PROJECTS

9.	Feasibility Study for Bhola 150 MW Combined Cycle Power Plant	225.16 206.90 18.26	69.41 68.41 1.00	TA GRANT	100	100	100	June/2010
----	---	---------------------------	------------------------	-------------	-----	-----	-----	-----------

DISTRIBUTION PROJECTS

10.	10 - Town power Distribution development Project	61125.26 35231.46 25893.80	1393.58 0.00 1393.58	ADB, NFD, NORAD	6.75	6.75	84.35	June/2012
11.	Emergency Rehabilitation expansion of urban areas Power Distribution system under Chittagong Zone	11775.00 0.00 11775.00	3650.69 0.00 3650.69	GOB	27.20	28.50	37.50	June/2011
12.	Emergency Rehabilitation expansion of urban areas Power Distribution system under Rajshahi Zone	8431.00 0.00 8431.00	1797.27 0.00 1797.27	GOB	28.00	28.00	28.00	June/2011
13.	Pre-payment metering project for distribution southern Zone Chittagong	13736.00 0.00 13736.00	47.82 0.00 47.82	GOB	5.00	5.00	5.00	Dec/20 11 (Proposed)
14.	Greater Chittagong Power distribution project, Scada Rehabilitation	10841.00 7841.00 3000.00	2.96 0.00 2.96	Kwait	15.00	11.00	11.00	June/2012

Renewable Energy Development & Energy Efficiency Measures

BPDB has taken a number of steps in the development of Renewable Energy and implementation of Energy Efficiency Measures. Under the Hill Tracts Electrification Project BPDB has implemented three solar projects in the Hill Tracts area. One in Juraichori Upazilla, one in Barkal Upazilla, another in Thanchi Upazilla at Rangamati District.

Under 1st, 2nd and 3rd Phases, 1200 sets Solar Home Systems capacity of 120 Wp each, 30 sets Solar PV Street Light Systems of 75 Wp each, 3 sets Solar PV Submersible Water PV Vaccine Refrigerators for the Health Care Centers of 360 Wp (3X120Wp) each and 2 sets of 10 KWp each Solar system for Market electrification.

In the fiscal year 2008-09, BPDB has implemented another two solar electrification projects in Angorpota and Dohogram (Chit Mohol).

Implemented Solar projects at Angorpota and Dohogram

1. 2 sets solar home system and capacity of 50Wp each.
2. 2 sets solar home system and capacity of 80Wp each.
3. 8 sets solar home system and capacity of 100Wp each.

Electrification Areas: BDR Camp, Union Council, Mother & Child Family Planning Centre, Primary and High School etc.

Implemented Solar Power System at Prime Minister's Office

BPDB has implemented 20.16 kWp Solar Power System (hybrid) to run 8 KW light load for Red Zone Areas 04(four) room of Prime Minister's office in the fiscal year 2009-2010.

Implemented Solar Power projects at BPDB Offices

1. 2 sets of solar home system and capacity of 75Wp each at WAPDA Building.
2. 3 sets of solar home system and capacity of 80Wp each at WAPDA Building

In order to generate electricity from Wind Energy, BPDB has installed 4x225 KW = 900 KW capacity Wind Mill in Feni Muhuri Dam area. These machines were hooked up with nearby REB 11 KV feeder. Besides 4 nos. of wind measuring tower at a height of 50 meters were installed at Muhuri Dam (Feni), Moghnama ghat (Cox-bazar), Purki Saikat (Patenga) and Kuakata area. The speed and direction of wind is being measured by two anemometers in each place at a height of 30 and 50 meters respectively.

A project of 1000KW Wind Battery Hybrid Power Plant at Kutubdia is running on. This project is consisted of 50 Wind Turbines of 20KW capacity each. The wind turbines produce electricity and charges the batteries at

the battery banks which consisting of 1000 numbers of 200AH, 12VDC batteries. The stored electrical power from the battery banks converted the AC power by using inverters. The 11 KV output is taken from the project site to the Barghop Bazar, which is about 8 km away from the project control room. This 11KV power is distributed through out the consumers of the Kutubdia Upazilla Sadar through the 11/0.4 KV step down transformers and the distribution lines.

Some small potential of mini hydropower generation are available in hill tracts area of Bangladesh. A 50 KW generator has been installed at Barkal area of Rangamati district.

For energy saving purposes, installations of CFL (Compact fluorescent Lamp) in different offices of BPDB headquarter have already been completed. CFL will be installed in different offices of BPDB in phases.

Planning for Solar & Wind Projects

- BPDB is implementing 32.75 kWp Solar Power System to run light load for the electrification of 1st floor of WAPDA building in the fiscal year 2010-2011.
- BPDB is implementing 2.40 kWp Solar Power System to run light load for the electrification of PDB's chairman banglo in the fiscal year 2010-2011.
- BPDB is implementing 6.00 kWp Solar Power System (hybrid) to run 2.4 KW light load for the electrification of Bidyut Bhaban, Chittagong in the fiscal year 2010-2011.
- BPDB has planned to expand 5.00 kWp Solar Power System (hybrid) to run light load for the electrification of Bidyut Bhaban, Rajshahi in the fiscal year 2010-2011.
- BPDB has planned to install Solar Home Systems in all Offices of BPDB in phases for Lighting Purposes.
- BPDB has planned to develop 3(three) numbers of grid connected solar power plant with total installed capacity of 7 MWp.
- BPDB has planned to expand Wind Power (100-200 MW Off-shore) in coastal areas at Anaweara, Chittagong.
- BPDB has planned to expand On-shore Wind Power in coastal areas of, Cox'sbazar.
- BPDB has planned to install 12(twelve) numbers of Wind Monitoring Station of different coastal zones of Bangladesh.



Signing of contract between BPDB and two different Chinese Company for construction of two Power Plants (150 MW each) at Chandpur and Sylhet.

Chapter 4



TABLES AND CHARTS

LIST OF TRANSMISSION LINES

(As on June 2010)

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	
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
	Total	1324.40	2647.30			

132 kV Transmission Lines

Sl. No.	Name of Lines	Lenth in Route kilometers	Lenth in Ckt. kilometers	No. of Ckt.	Conductor	
					Name	Size
01	Siddhirganj - Shahjibazar	138	276	Double	Grosbeak	636 MCM
02	Shahjibazar - Chatak	150	300	Double	Grosbeak	636 MCM
03	Siddhirganj - Kaptai	273	546	Double	Grosbeak	636 MCM
04	Kulshi - Halishahar	13	26	Double	Grosbeak	636 MCM
05	Comilla South - Chandpur	61	122	Double	Linnet + Grosbeak	(336.4 + 636) MCM
06	Comilla North - Comilla South	16	32	Double	Grosbeak	636 MCM
07	Ashuganj - Jamalpur	166	332	Double	Grosbeak	636 MCM
08	Madanhata - Sikalbaha	13	26	Double	Grosbeak	636 MCM
09	Sikalbaha - Dohazari	35	70	Double	Grosbeak	636 MCM
10	Sikalbaha - Halishahar	13	13	Single	AAAC	804 sq.mm
11	Kulshi - Baraulia	13	26	Double	Grosbeak	636 MCM
12	Madanhata - Kulshi	13	13	Single	Grosbeak	636 MCM
13	Madanhata - Kulshi	13	13	Single	Grosbeak	636 MCM
14	Kaptai - Baraulia	58	116	Double	Grosbeak	636 MCM
15	Dohazari - Cox's Bazar	87	174	Double	Grosbeak	636 MCM
16	Feni - Chowmuhani	32	64	Double	Grosbeak	636 MCM
17	Baraulia - Kabir Steel	4	4	Single	Grosbeak	636 MCM
18	Mymensingh - Netrokona	34	68	Double	Grosbeak	636 MCM
19	Goalpara - Ishurdi	169	338	Double	AAAC	804 MCM
20	Ishurdi - Bogra	103	206	Double	AAAC	804 MCM
21	Bogra - Saidpur	140	280	Double	AAAC	804 MCM
22	Saidpur - Thakurgaon	64	128	Double	AAAC	804 MCM
23	Goalpara - Bagerhat	45	45	Single	AAAC	804 MCM
24	Barisal - Bhandaria - Bagerhat	80	80	Single	HAWK	477 MCM
25	Bagerhat - Mangla	31	31	Single	HAWK	477 MCM
26	Barisal - Patuakhali	37	37	Single	Grosbeak	636 MCM

Sl. No.	Name of Lines	Lenth in Route kilometers	Lenth in Ckt. kilometers	No. of Ckt.	Conductor	
					Name	Size
27	Bheramara - Faridpur - Barisal	225	450	Double	HAWK	477 MCM
28	Rajshahi - Natore	40	40	Single	HAWK	477 MCM
29	Ishurdi - Baghabari - Shahjadpur	57	57	Single	HAWK	477 MCM
30	Ishurdi - Pabna - Shahjadpur	56	56	Single	Grosbeak	636 MCM
31	Bogra - Sirajganj - Shahjadpur	100	200	Double	Grosbeak	636 MCM
32	Rajshahi - Nawabganj	47	94	Double	Grosbeak	636 MCM
33	Rangpur - Lalmonirhat	38	38	Single	Grosbeak	636 MCM
34	Bogra - Noagaon	52	104	Double	Grosbeak	636 MCM
35	Kabirpur - Tangail	51	102	Double	Grosbeak	636 MCM
36	Tongi - Mirpur - Kall.pur - Hasbad	49	98	Double	Grosbeak	636 MCM
37	Hasnabad - Shyampur - Haripur	40	80	Double	Grosbeak	636 MCM
38	Siddhirganj - Ullon	16	32	Double	Grosbeak	636 MCM
39	Siddhirganj - Maniknagar	10	10	Single	Grosbeak	636 MCM
40	Siddhirganj - Maniknagar	10	10	Single	Grosbeak	636 MCM
41	Maniknagar - Narinda	5	10	Double	Cu.Cable	240 sq.mm
42	Ullon - Dhanmondi	5.5	11	Double	Cu.Cable	240 sq.mm
	Ullon - Dhanmondi	5.5	11	Double	XLPE	800 sq.mm
43	Tongi - Kabirpur - Manikganj	56	112	Double	Grosbeak	636 MCM
44	Ullon - Rampura -Tongi	23	46	Double	Grosbeak	636 MCM
45	Moghbar In Out Ullon -Ramp.	3	6	Double	Grosbeak	636 MCM
46	Ghorasal - Joydebpur	26	52	Double	Grosbeak	636 MCM
47	Baghabari - Shahjadpur	7	14	Double	Grosbeak	636 MCM
48	Chandpur - Chowmuhani	75	150	Double	Grosbeak	636 MCM
49	Barapukuria-Rangpur	45	90	Double	Grosbeak	636 MCM
50	Barapukuria-Saidpur	36	72	Double	Grosbeak	636 MCM
51	Madaripur-Gopalganj	45	45	Single	AAAC	804 MCM
52	Khulna(C)-Khulna(S)	9	18	Double	Twin AAAC	37/4.176 mm.
53	Khulna(S)-Satkhira	56	56	Single	AAAC	804 MCM
54	Rajshahi - Natore	40	40	Single	Grosbeak	636 MCM
55	Matuail In-Out from Hari-Manik	5.5	11	Double	Grosbeak	636 MCM
56	Rampura-Gulshan U/G Cable	3.3	6.6	Double	XLPE	800 sq.mm
57	Sikalbaha-Bakulia	4	8	Double	Grosbeak	636 MCM
58	Julda-Shahmirpur	7	14	Double	Grosbeak	636 MCM
59	Kamrangirchar In-Out from Has-Kal	3	6	Double	Grosbeak	636 MCM
60	Kulshi-Bakulia	15	30	Double	Grosbeak	636 MCM
61	Haripur-Maniknagar	12	12	Single	Grosbeak	636 MCM
62	Joydebpur-Kabirpur	15	30	Double	Grosbeak	636 MCM
63	Sikalbaha-Shahmirpur	9	18	Double	Grosbeak	636 MCM
64	Kulshi-Halishahar (Open at Kulshi)	13	13	Single	Grosbeak	636 MCM
65	Bogra Old-Bogra New	1	2	Double	Twin AAAC	37/4.176 mm.
66	Ashuganj-Shahjibazar Single Ckt.	53	53	Single	Grosbeak	636 MCM
67	Khulna (S) - Gallamari	4.2	8.4	Double	Grosbeak	636 MCM
68	Noagaon-Niamotpur	46	46	Single	AAAC	804 MCM
69	Aminbazar-Savar	13	26	Double	Grosbeak	636 MCM
	Total	3233	5754			

CIRCLE WISE SUBSTATIONS CAPACITY (MVA)

As of June 2010

230/132 kV Sub-stations

Name of Grid Circle	PGCB		PDB		DPDC & Others	
	No. of S/S	Total MVA	No. of S/S	Total MVA	No. of S/S	Total MVA
Dhaka	5	3375	1	250		
Chittagong	1	450				
Comilla	1	225	1	300		
Khulna	1	450				
Bogra	4+1(Switch)	1800				
Total	13	6300	2	550		
Grand Total			6850			

132/33 kV Sub-stations

Name of Grid Circle	PGCB		PDB		DPDC & Others	
	No. of S/S	Total MVA	No. of S/S	Total MVA	No. of S/S	Total MVA
Dhaka	21	2973	1	100	12	1645
Chittagong	11	1317	2	103	1	30
Comilla	9	837	2	157		
Khulna	17	1367			Bheramara GK Project	20
Bogra	17	1350				
Total	75	7844	5	360	13	1695
Grand Total			9899			



Rental power purchase agreement between BPDB & Aggreko International Projects Limited.

List of Distribution Sub-stations

(As of June 2010)

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	2x16/20	26
2	S & D Stadium	Stadium	2x16/20	26
		Madarbari	2x16/20	22
3	S & D Sholoshar	Sholoshar	2x16/20	36
			1x16	
4	S & D Kalurghat	Kalurghat	2x16/20	20
		Muradpur	2x16/20	24
5	S & D Bakalia	Bakalia	2x16/20	22
O & M Circle, Chatta-Metro (West)				
6	S & D Agrabad	Agrabad	2x16/20	32
		Rampur	2x16/20	14
7	S & D Khulshi	Khulshi	2x16/20	15
		Jalalabad	2x16/20	25
8	S & D Pahartali	Pahartali	2x16/20	21
9	S & D Halisahar	Halisahar	2x16/20	16
		Newmooring	2x16/20	20
		Patenga	2x16/20	10
O & M Circle, Chatta-Metro (North)				
10	Dis. Div. Fouzderhat	Fouzderhat	2x16/20	23
		Baroulia	2x16/20	34
		Barabkunda	2x16/20	22
11	S & D, Hathazari	Hathazari	1x16/20 1x10	16
12	S & D Mohara	Mohara	2x16/20	15
O & M Circle, Chatta-Metro (South)				
13	Dist. Divn. Patiya	Patiya	2x10/12.5	10
		Fishharbor	2x10/12.5	17
		Shikalbaha- Julda	1x16/20	35
		Dohazari	1x16/20	6
		Satkania	1x5	4.5
14	Dist. Divn. Cox's Bazar	Zilonza	2x16/20	22
		Aziznagar	1x6.25	2
		Chakaria	1x10/12.5	5

Sl No	Name of the Division	Name of the 33/11 KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
-------	----------------------	----------------------------------	----------------	---------------------

O & M Circle, Rangamati

15	Dist. Divn. Rangamati	Vedvedi (Rangamati)	2x5	4
		Majerbosti	1x10	4.1
		Kaptai	1x3	1
		Kaptai (132/11)	1x20	8
16	Dist. Divn. Khagrachari	Jalipara	3x1.667	0.75
		Ramghar	3x1.667	1
		Khagrachari	3x1.667	2.5
		Dighinala	3x1.667	0.2
		Mohalchari	3x1.667	0.25
17	Dist. Divn. Bandarban	Adjacent to Office	1x5	2.5
		Kasing Ghata	3x1.67	3
Sub Total			853.26/922.5	567.8

Comilla Zone

O & M Circle, Comilla				
18	S & D-1, Comilla	Kotbari	2x10/13.33	15
		Palpara	1x2.5	4
			1x1.6	
19	S & D-2, Comilla	Kaliajori	2x10/13.33	15
		Balutupa	2x10/13.33	12
20	S & D-3, Comilla	Chouddagram	1x3 1x8	4.5
		Jangalia	2x10/13.33	20
21	S & D, Chandpur	Daulatgonj	1x10 1x5	7.5
		Balur Math	2x10/13.33	11
22	Dist. Divn. B. Baria	Puran Bazar	5 1x10/13.33	8
		Kalabagan	1x10/13.33 1x5	12
22	Dist. Divn. B. Baria	Datiara	1x10/13.33 1x15/20	25
		Ghatara	1x10/13.33 1x5	16
		ZFCL	1x10/13.33	7.5
		Shabazpur	1x5	6

Sl No	Name of the Division	Name of the 33/11 KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
-------	----------------------	----------------------------------	----------------	---------------------

O & M Circle, Noakhali

23	Dist. Divn. Noakhali	Maijdee	2x10/13.33	15
		Datterhat	2x10/13.33	11
		Chamuhani	2x10/13.33	12
24	S & D, Laxmipur	Laxmipur	2x10/13.33	6.5
25	Dist. Divn. Feni	Feni	3x10/13.33	26
		Dagonbuyan	1x10/13.33	8.25
Sub Total			335.1/379.91	242.25

Central Zone, Mymensingh

O & M Circle, Mymensingh

26	S & D (N)	Akua	2x10/13.33	18
		Shambuganj	2x5/6.67	18
		Fulpur	1x5/6 1x2.5	7.5
		Gauripur	2x5	7
27	S & D -(S)	Kewatkhali	3x10/13.33	23.5
		Batircal	2x10/13.33	11
		Trisal	1x5/6.67	4
		Bhaluka	1x5/6.67	4.5
		Goffargoan	2x5/6.67	8.5
28	Netrokona E/S	Satpai Netrokona	2x10/13.3	9.75
29	Bhairab E/S	Bhairab	2x10/13.33	15
30	Sherpur E/S	Sherpur	2x10/13.33	22
31	Dist. Divn. Kishoregonj	Josodal	1x10/13.33	8.5
		Mollapara	2x10/13.33	3
		Sararchar	1x5/6.67	5

O & M Circle, Tangail

32	S & D Tangail	Batka	2x10/13.33	16
		Kachuadanga	2x10/13.33	8
33	Dist. Divn. Tangail	Bhuapur	2x5	6
		Ghatail	2x10/13.33	15
		Kalihati	2x5	11
		Shakipur	2x5	8
34	Dist. Divn. Jamalpur	Shekhervita	2x10/13.33	10
		New WAPDA	1x10/13.33	3.5
		Sharishabari	2x5 /13.33	5.5
Sub Total			342.5/412.6	248.25

Sl No	Name of the Division	Name of the 33/11 KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
-------	----------------------	----------------------------------	----------------	---------------------

Sylhet Zone

O & M Circle, Sylhet

35	S & D-1	Ambarkhana	3x10/13.33	24
		Kumargaon	2x10/13.33	18.4
36	S & D-2	Upashahar	2x10/13.33	22
		Botessor	1x10/13.33 1x5	19.2
37	S & D-3	Boroikandi	2x10/13.33	16

O & M Circle, Moulovibazar

38	Dist. Divn. Sylhet	Sunamgonj	2x5	9
		Chattak	1x10/13.33	5.25
39	Dist. Divn. Moulovibazar	Bagbari	1x5	9
		Moulvibazar 33 kV	3x3.33	4.8
40	S & D, Kulaura	Hobigonj	3x5	10
		Kulaura	2x5	16.6
Sub Total			180/173.29	154.25

Rajshahi Zone

O & M Circle, PDB, Rajshahi

41	S & D-1	Talaimary	3x10/13.33	11
		Katakhali	2x10/13.33	5
42	S & D-2	Horogram	2x20/13.33	14
43	S & D-3	Shalbagan	2x10/13.33	11
		Bimanbondor	2x10/13.33	7.25
44	S & D-4	City Central	2x10/13.33	12
		Godagari	1x10/13.33	5.5
45	Chapai Nowabgonj	Hujrapur	2x10/13.33	14
		Rohanpur	2x5	8
		Shibgonj	1x5	4
		Bot Talar Hat	1x10/13.33	6
46	Natore E/S	Horispur	2x10/13.33	5.2
		Alaipur	2x10/13.33	4.6

O & M Circle, PDB, Pabna

47	S & D-1	Lashkarpur	2x10/13.33	15
48	S & D-2	Noorpur	1x10/13.33	7
		Satiani	2x10/13.33	10
49	Ishurdi E/S	Joynagor	2x10/13.33	12
		Patillakhali	2x10/13.33	8
50	Sirajgonj E/S	Bahirgola	2x10/13.33	7
		Raypur	2x10/13.33	7

Sl No	Name of the Division	Name of the 33/11 KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
-------	----------------------	----------------------------------	----------------	---------------------

O & M Circle, PDB, Bogra

51	S & D-1	Rahman Nagar	2x10/13.33	17
52	S & D-2	Shibbati	2x10/13.33	24
		Puran Bogra	3x10/13.33	18
53	Dist. Divn. Bogra	Sherpur	3x5	9.5
		Dupchachia	2x5	7.5
54	Naogaon	Kalthali	4x10/13.33	7
		Baludanga	2x10/13.33	0
55	Joypurhat	Joypurhat	1x10/13.33	7.4
Sub Total			540/639.84	263.95

Rangpur Zone

O & M Circle, Rangpur

56	S & D-1	Lalbag	2x10/13.33	16.95
57	S & D-2	Katkipara	2x10/13.33	16.6
58	Dist. Divn. Sayedpur	Golahat	1x10/13.33	5.5
		Niamotpur	2x10/13.33	9.5
59	Dist. Divn. Gaibandha	Gaibandha	2x10/13.33	13.7
		Gobindogonj	1x5 1x1.25	3.7
		Palashbari	1x2.5	1.8
60	Dist. Div. Rangpur	Domar	1x5 3x1.667	7.5
		Nilphamari	2x5	6.7
		Jaldhaka	1x2.5	1.75
		Kurigram	2x5	5.1
		Hatibandha	1x5	1.6
		Patgram	1x5	4.2
61	Dist. Divn. Lalmonirhat	Kaligonj	2x5	6.9
		Lalmonirhat	1x1.5 2x5	6.3

O & M Circle, Dinajpur

62	S & D-1	Fakirpara	2x10/13.33	8.7
		Parbatipur	1x6.67	4
		Setabgonj	1x6.67	3.4
63	S & D-2	Balubari	2x10/13.33	13.5
		Phulbari	2x5	4.75
64	Dist. Divn. Thakurgaon	Goalpara	2x10/13.33	7.5
		PS	2x6.25	2
		Panchagar	2x10/13.33	5.2
		Mathafata	1x5	3.75
Sub Total			283.59/226.61	160.6
Total			2534.45/2754.75	1637.10

List of Distribution Transformer

As of June 2010

Name of ESU/Division	Distribution X-former											
	33/0.4 KV X-former				11/0.4 KV X-former							
	250 KVA (Nos.)	200 KVA (Nos.)	100 KVA (Nos.)	Total Capacity (MVA)	500 KVA (Nos.)	315 KVA (Nos.)	250 KVA (Nos.)	200 KVA (Nos.)	100 KVA (Nos.)	50 KVA (Nos.)	Others KVA (Nos.)	Total Capacity (MVA)

Southern Zone, Chittagong

O & M Circle, Chatta-Metro (East)												
S & D Patharghata						1	170	53	12	-	58	72.11
S & D Stadium	-	-	-	-	2	2	100	30	19	-	-	34.25
S & D Sholoshar	-	-	-	-	-	-	121	0	19	-	34	39.05
S & D Kalurghat	-	-	-	-	-	-	132	27	11	-	-	39.5
S & D Bakalia	-	-	-	-	-	-	112	33	25	-	-	37.1
S & D Madarbari	-	-	-	-	1	1	76	39	12	-	-	28.82
O & M Circle, Chatta-Metro (West)												
S & D Agrabad	-	-	-	-	-	-	154	36	30	-	-	48.7
S & D Khulshi	-	-	-	-	-	-	133	23	15	-	-	39.35
S & D Halisahar	-	-	-	-	-	-	159	25	30	-	4	47.87
S & D Pahartali	-	-	-	-	-	-	198	26	24	-	-	57.1
S & D Rampur	-	-	-	-	1	-	88	12	14	-	-	26.3
O & M Circle, Chatta-Metro (North)												
DD- Fouzderhat	-	-	-	-	-	-	108	43	46	-	6	40.26
S & D, Hathazari	-	-	-	-	0	1	38	28	70	3	7	22.72
S & D Mohara	-	-	-	-	-	-	42	21	33	0	0	18
O & M Circle, Chatta-Metro (South)												
Dist. Divn. Patiya	1	-	11	1.35	1	2	910	280	387	6	30	129.36
Dist. Divn. Cox's Bazar							70	61	86	38	32	40.93
O & M Circle, Rangamati												
Dist. Divn. Rangamati	5			1.2	-	-	4	30	118	12	32	20
Dist. Divn. Khagrachari	1	2	2	1.1	-	-	9	30	117	31	47	22.39
Dist. Divn. Bandarban							2	13	50	10	5	8.675
Sub Total	7	2	13	3.65	5	7	2626	810	1118	100	255	772.485

Comilla Zone

O & M Circle, Comilla												
S & D-1, Comilla	-	-	-	-	1	-	15	98	144	1	2	38.6
S & D-2, Comilla	-	-	1	0.1	-	-	18	104	130	1	1	39.40
S & D-3, Comilla	-	-	-	-	1	3	18	67	124	2	7	36.65
S & D, Chandpur	-	-	1	0.1	1	-	8	8	42	-	2	22.8
Dist. Divl. B-Baria	-	-	1	0.1	-	1	42	198	178	1	1	62.75
O & M Circle, Noakhali												
Dist. Divn. Noakhali						1	21	96	132	2	1	38.42
S & D, Laxmipur	-	-	-	-	-	-	14	15	18	-	-	11.2
Dist. Divl. Feni	-	3	-	0.6	-	-	36	59	106	3	-	32.15
Sub Total	0	3	3	0.9	3	5	172	645	874	10	14	281.97

Central Zone, Mymensingh

O & M Circle, Mymensingh												
S & D - (N)							14	223	250	14		66.55
S & D - (S)		4	3	1.263	1		24	250	307	7	7	91.87
Bhairab E/S					3		9	60	76	1	1	24.4
Dist. Divl. Kishorgonj							13	37	85		2	19.65
Dist. Divl. Sherpur							29	115	172	3	35	47.7
Netrokona E/S			1	0.1	1		5	35	55			14.25
O & M Circle, Tangail												
Dist. Divl. Tangail		1	2	0.35	1		40	189	471	20	42	86.21
S & D Tangail		1	1	0.3	3		7	69	103	3	2	28.45
Dist. Divl. Jamalpur					9		13	73	112	3		27.374
Sub Total	0	6	7	2.013	18	0	154	1051	1631	51	89	406.454

Name of ESU/Division	Distribution X-former											
	33/0.4 KV X-former				11/0.4 KV X-former							
	250 KVA (Nos.)	200 KVA (Nos.)	100 KVA (Nos.)	Total Capacity (MVA)	500 KVA (Nos.)	315 KVA (Nos.)	250 KVA (Nos.)	200 KVA (Nos.)	100 KVA (Nos.)	50 KVA (Nos.)	Others KVA (Nos.)	Total Capacity (MVA)

Sylhet Zone

O & M Circle, Sylhet												
S & D 1					1	-	29	221	140	4	6	66.8
S & D 2			2	0.2	-	-	12	184	98	-	-	49.6
S & D 3					1	4	5	67	97	7	25	28.12
O & M Circle, Moulvibazar												
Dist. Divi. Moulvibazar	-	2	-	0.4	-	1	8	47	29	1	1	14.67
Hobigonj E/S							14	46	48	8		17.9
Kulaura E/S							6	24	62	1	15	12.7
Dist. Div. Sylhet		13	3	3.4		3	21	166	268	18	161	70.94
Sub Total	0	15	5	4	2	8	95	755	742	39	208	260.73

Rajshahi Zone

O & M Circle, Rajshahi												
S & D-1, Rajshahi							27	42	157	4	2	30.5
S & D-2, Rajshahi		1	1	0.3			32	114	138		56	50.5
S & D-3, Rajshahi					3		42	84	173	5	7	47.24
S & D-4, Rajshahi						4	58	63	54	1	7	39.79
Natore E/S							11	27	47	3	24	14.05
Chapai Nowabgonj E/S			4	0.32			39	81	252	8	4	59.91
O & M Circle, Bogra												
S & D-1							10	87	84	1		11.12
S & D-2					1	-	27	78	125	2	3	35.65
Naogaon					-	7	27	91	136	10	19	43.77
Joypurhat					3	1	5	12	38	10	4	13.02
O & M Circle, Pabna												
S & D-1							8	58	12	-	2	20.8
S & D-2							10	92	21			23
Ishurdi		2		0.4			4	62	105	2	5	26.07
Sirajgonj						1	12	96	44		1	26.61
Sub Total	0	3	5	1.02	7	13	312	987	1386	46	134	442.03

Rangpur Zone

O & M Circle Rangpur												
S & D-1	0	0	1	0.1	1	-	26	78	70	2	2	29.75
S & D-2				0	0	-	16	50	55	2	0	19.6
Dist. Divi. Rangpur	1	3	5	1.35	5	-	34	109	198	13	2	53.3
Sayedpur E/S	1	2	4	1.05	13	-	29	150	116	3	1	55.53
Dist. Divi. Gaibandha	3	-	2	2.15	1	-	12	91	110	4	1	32.93
O & M Circle Dinajpur												
S & D-1, Dinajpur	0	0	4	0.4	0	0	20	8	82	6	8	31.1
S & D-2, Dinajpur	0	4	0	0.8	0	-	21	130	47	1	2	36.05
Dist. Divi. Thakurgaon	0	0	3	0.3	9	-	29	43	164	11	2	37.35
Sub Total	5	9	19	6.15	29	0	187	659	842	42	18	295.61
Total	12	38	52	17.73	64	33	3546	4907	6593	288	718	2163.7

Distribution line Length

(As of June 2010)

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	37	170
S & D Stadium	Stadium	28	45	61.5
	Madarbari	5.1		
S & D Sholoshar	Sholoshahar	60	87	210
S & D Kalurghat	Kalurghat	12	70.5	160
	Muradpur	12	40	120
S & D Bakulia	Bakulia		59	137

O & M Circle, Chatta-Metro (West)

S & D Agrabad	Agrabad	48	50	66
S & D Khulshi	Khulshi	8	17	14.35
	Jalalabad	7.5	34.5	36
S & D Rampur	Rampur		49.55	73
S & D Pahartali	Pahartali	19	88.15	151
S & D Halisahar	Halishahar	37.5	35	50
	Newmoring	7	38	75
	Patenga	10	53	85

O & M Circle, Chatta-Metro (North)

Dist. Divn. Fouzderhat	Fouzderhat	7	70	105
	Baroulia	70	55	70
	Barabkunda	12	104.5	210
S & D Hathazari	Hathazari	110.5	105	260
S & D Mohara	Madughat	8		
	Mohara	19	116	212

O & M Circle, Chatta-Metro (South)

Dist. Divn. Potiya	Patiya	0	29	43.5
	Fishharbor	5	56.7	55
	Sikolbhaha	76.2	25	40
	Dohazari	47	22	64
	Satkania		20	44
Dist. Divn. Cox's Bazar	Zilonza	147	121.54	167
	Aziznagar	47	24	20
	Chakaria	18	119	150

O & M Circle, Rangamati

Dist. Divn. Rangamati	Vedvedi (Rangamati)	55	35.5	50
	Majerbosti	36	31	47
	Kaptai	47	35	20
	Kaptai (132/11)		95	155
Dist. Divn. Khagraharii	Jalipara	50	90	138
	Ramgarh	65	22	52
	Khagrachari	35	102	264
	Dighinala	22	100.5	157
	Mohalchari	25	50	79
Dist. Divn. Bandarban	Adjac. to Office	40	80	85
	Kasing Ghata	40		
Sub-Total		1254.8	2212.44	3896.35

Name of the Divn. /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	8	18	30
	Palpara	9	19	105
	Kaliajuri	7	82	167
S & D- 2, Comilla	Chouddagram	35	32	10.5
	Balutupa	5	36	143
S & D- 3, Comilla	Jangalia	0	46	173
	Daulatgonj	18	22	86
S & D, Chandpur	Balur Math	2	30	85
	Puran Bazar	4	21	61
Dist. Divn.B. Baria	Kalabaghan	38	31	24
	Datiara	5	92	123
	Ghatura	15	100	68
	Shabazpur	9	46	84
O & M Circle, Noakhali				
Dist. Divn.Noakhali	Majidee	25	79	171
	Datterhat	5	10	21
	Chamuhani		81	119
	Hatya		-	18
S & D, Laxmipur	Laxmipur	3.7	58	310
Dist. Divn.Feni	Feni	81	85	325
	Dagonbuyan		9	25
Sub Total		269.7	897	2148.5

Central Zone, Mymensingh

O & M Circle, Mymensingh

S & D- (N)	Akua	27	67.16	106
	Batirkhall	10.5	32	63
	Shambugonj	52	52	46
	Fulpur	27	113	195
	Gauripur	15	69	131
S & D- (S)	Kewatkhali	0.3	100	14
	Batircal	5	11	2
	Trisal	45	65	2
	Bhaluka	70	66	2
	Goffargoan	* 50	121	43
Netrokona E/S	Satpai Netrokona	7	58	88
Bhairab E/S	Bhairab	14	112	257
Sherpur E/S	Sherpur	40	268	391
Dist. Divn. Kishorgonj	Josodal	0.05	105	54
	Mollapara	6.8	43	8
	Sararchar	45	60	78
O & M Circle, Tangail				
	Betka	6	82	195
	Kachuadanga	10	86	
Dist. Divn. Tangail	Bhuapur	26	36	155
	Ghatail	34	117	173
	Kalihati	20	86	199
	Shakipur	23	155	105
	Shekhervita	10.5	65	113
Dist. Divn. Jamalpur	New WAPDA	2	70	45
	Sharishabari	28	41	185
	Sub Total		574.15	2080.16

Name of the Divn. /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	216	455
	Kumargaon		149	257
S & D -2	Upshahar	22	53	222
	Botessor	47	115	318
S & D -3	Boroikandi	21	116.5	463

O & M Circle, Moulvibazar

Dist. Divn. Sylhet	Sunamgonj	65	42.5	458
	Derai		68.5	140
	Jaintapur		62	115
	Jogonnathpur		110	140
	Chattak	105	52	200
Dist. Div. Moulvibazar	Bagbari	82	91	350
	Hobigonj	28	75	320
S & Kulaura	Kulaura	141	104	730
Sub Total		518	1254.5	4168

Rajshahi Zone

O & M Circle, Rajshahi

S & D -1	Talaimari	10	120	315
	Katakhali			
S & D -2	Horogram	27	149.6	29.9
S & D -3	Shalbagan	36	270.25	101.25
	Bimanbondor			
	Tanore		38	57
S & D -4	City Central	12	28.35	90.58
Godagari ESU	Godagari	20	120	58
Chapai nowabgonj E/S	Ch.No.gonj	15	167	150
Gomostapur ESU	Gomostapur	40	142	220
Shibgonj ESU	Shibgonj	24	52	36
Natore ESU	Horispur	5.15	70	151
	Alaipur			

O & M Circle, Pabna

S & D -1	Laskapur	15	123	177
S & D -2	Nurpur	0.1	56	79
	Shatiani	7	78	96
Ishurdi E/S	Joynagor	40	43	65
	Patilkhali	8	50	78
Sirajgonj E/S	Bahirgola	45.5	131	201
	Raypur			

O & M Circle, Bogra

S & D -1	Rahmannagar	8.5	50	29
S & D -2	Shibbati	6	72	134
	Puran Bogra	0.2	38	81
Sherpur ESU	Sherpur	22	43	79
Dupchachia ESU	Dupchachia	30	122	90
Naogaon E/S	Kathaltoli	7	219	145
	Baludanga			
Joypurhat E/S	Joypurhat	45	33	97
Sub Total		423.45	2376.2	2714.73

Name of the Divn. /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	18	124	230
S & D -2, Rangpur	Katkipara	12	74.53	73.59
Dist. Divn. Sayedpur	Golahat	0	37.5	47.25
	Niamotpur	12	37	39
Dist. Divn. Rangpur	Domar	22	73	59
	Nilphamari	16	78	68
	Jaldhaka	16	42	24
	Kurigram	30	51	53
	Hatibandha	20	14	11
	Patgram	30	79	49
Dist. Divn. Lalmonirhat	Kaligonj	30	67	49
	Lalmonirhat	20	57	51
Dist. Divn. Gaibandha	Gaibandha	22	114	106
	Gobindogonj	20	23	28
	Palashbari	0	15	20

O & M Circle, Dinajpur

S & D -1	Fakirpara	66	132	215
	Parbatipur	42	45	50
	Setabgonj	24	43	52
S & D -2	Balubari	18	133	209
	Phulbari	90	63.5	54
Dist. Divn. Thakurgaon	Goalpara	10	67.35	133
	PS	0.5	17	28.5
	Panchagar	45	118	87.5
	Mathafata	40	46	34
Sub Total		603.5	1550.88	1770.84
Total		3643.60	10371.18	17348.42

Total Electrified Area & Consumers

(As of June 2010)

Total Electrified Area							
Sl. No.	Name of Divn./ ESU	Thana/ Upazila	Ward	Village	Hat/ Bazar	Deep Shallow & Low Fit Pump	Total Consumers

Chittagong Zone

O & M Circle, Chatta-Metro (East)

1	S & D Patharghata	2	9	0	4	5	36248
2	S & D Stadium		4	0	2	3	24078
3	S & D Sholoshar	3	4	0	6	5	30205
4	S & D Kalurghat	2	3	0	2	23	30974
5	S & D Bakalia	4	4	0	5	9	39694

O & M Circle, Chatta-Metro (West)

6	S & D Agrabad	2	4	0	5		55170
7	S & D Khulshi			0	4	3	23129
8	S & D Halisahar	2	6	0	11	1	43634
9	S & D Pahartali	4	8	0	6	13	45500
10	S & D Rampur	3	4	0	6	6	26925

O & M Circle, Chatta-Metro (North)

11	DD-Fouzderhat	2	50	93	35	15	29113
12	S & D Hathazari	1	17	26	9	17	25097
13	S & D Mohara	2	11	18	4	27	16970

O & M Circle, Chatta-Metro (South)

14	Dist. Divn. Patiya	10	156	274	96	118	142360
15	Dist. Divn. Cox's Bazar	9	78	42	42	302	37221

O & M Circle, Rangamati

16	Dist. Divn. Rangamati	17	12	56	27	28	23516
17	Dist. Divn. Khagrachari	12	116	293	50	99	22476
18	Bandarban	3	16	62	14	0	7071
Sub Total		78	502	864	328	674	659381

Comilla Zone

O & M, Comilla

1	S & D-1, Comilla	3	20	97	22	127	38847
2	S & D-2, Comilla	2	4	120	30	129	36871
3	S & D-3, Comilla	2	15	92	11	442	29692
4	S & D Chandpur	1	15	25	11	8	27123
5	Dist. Div. B. Baria	5	12	105	26	862	61166
6	Dist. Divn. Noakhali	4	26	46	32	21	49231
7	S & D Laxmipur	1	12	12	1	64	13548
8	Dist. Div. Feni	2	18	10	3	15	37704
Sub Total		20	122	507	136	1668	294182

Mymensingh Zone

O & M Circle, Mymensingh

1	S & D -1(N)	7	57	148	89	2299	57247
2	S & D -2 (S)	6	58	160	67	1116	63982
3	Dist. Div. Kishorgonj	1	15	35	15	25	18954
4	Bhairab E/S	2	9	47	13	378	20090
5	Dist. Div. Sherpur	6	48	52	45	1752	35554
6	Netrokona E/S	1	9		6	370	13950

O & M Circle, Tangail

7	S & D, Tangail	10	111	370	239	3548	46485
8	Dist. Divn. Tangail	5	0	287	29	4800	35598
9	Dist. Div. Jamalpur	2	23	29	12	200	24977
Sub Total		40	330	1128	515	14488	316837

Total Electrified Area

Sl. No.	Name of Divn./ ESU	Thana/ Upazila	Ward	Village	Hat/ Bazar	Deep Shallow & Low Fit Pump	Total Consumers
---------	--------------------	----------------	------	---------	------------	-----------------------------	-----------------

Sylhet Zone

O & M Circle, Sylhet

1	S & D-1	1	20	0	20	0	54827
2	S & D-2	1	6	40	40	0	40289
3	S & D-3	3	40	120	30	5	18587

O & M Circle, Moulavibazar

4	Dist. Div. Moulavibazar	5	16	172	22	54	28042
5	Dist. Div. Sylhet	11	83	320	44	40	40223
6	S & D Kulaura	3	9	80	15	1	18438
Sub Total		24	174	732	171	100	200406

Rajshahi Zone

O & M Circle, Bogra

1	S & D -1	2	6	30	10	46	29409
2	S & D -2	1	16	115	35	283	42546
3	Dist. Div. Bogra	10	96	247	38	1317	52831
4	Naogaon E/S	2	13	102	36	234	30270
5	Joypurhat E/S	1	9	0	4	190	13304

O & M Circle, Pabna

6	S & D-1	1	7	5	3	9	15142
7	S & D-2	2	8	4	3	6	16780
8	Ishurdi	1	9	92	10	160	29923
9	Sirajgonj	1	15	6	12	222	17526

O & M Circle, Rajshahi

10	S & D-1	4	11	16	17	9	27085
11	S & D-2	3	6	22	14	93	28223
12	S & D-3	4	16	42	14	208	27825
13	S & D-4	3	12	18	12	207	30133
14	Chapai nowabgonj E/S	5	75	315	35	664	51264
15	Natore E/S	1	17	38	9	20	14320
Sub Total		41	316	1052	252	3668	426581

Rangpur Zone

O & M Circle, Rangpur

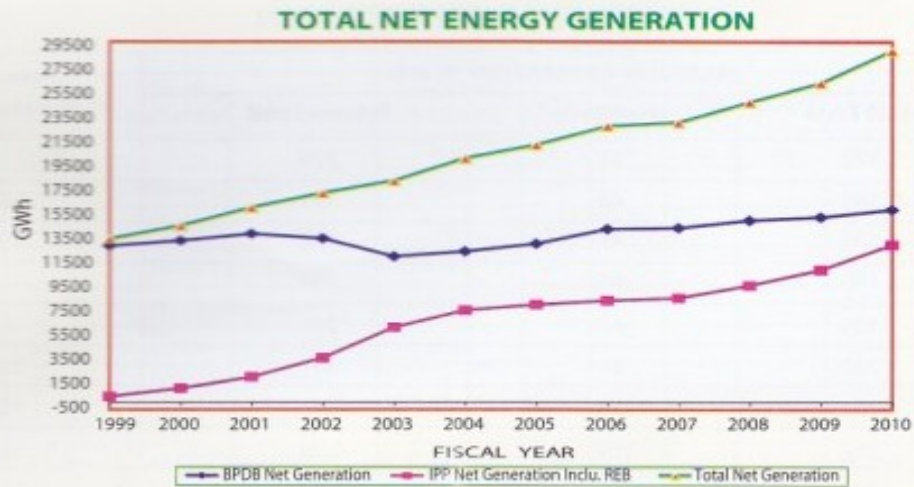
1	S & D -1	1	22	33	14	62	24933
2	S & D -2		8	0	10	75	19167
3	Dist. Div. Rangpur	9	80	152	70	3815	45713
4	Sayedpur	2	28	30	13	420	15588
5	Dist. Div. Gaibandha	9	54	126	25	2010	32405
6	S & D, Lalmonirhat	3	30	50	49	1955	18422

O & M Circle, Dinajpur

7	S & D-1, Dinajpur	3	16	27	13	303	25855
8	S & D-2, Dinajpur	3	13	21	5	148	23249
9	Dist. Div. Thakurgaon	3	29	70	25	240	27132
Sub Total		33	280	509	224	9028	232464
Total		236	1724	4792	1626	29626	2129851

ENERGY GENERATION (GWH)

Year	Gross Energy Generation of BPDB			BPDB Net Generation	Total Private Generation Includ. REB (Net)	Total Generation (Net)	% Increase 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						
1971-72	582	135	717						
1972-73	857	229	1,086						
1973-74	982	283	1,265						
1974-75	1,022	300	1,322						
1975-76	1,116	344	1,460						
1976-77	1,224	394	1,619						
1977-78	1,444	468	1,913						
1978-79	1,603	519	2,122						
1979-80	1,745	609	2,353						
1980-81	1,978	684	2,662		-			-	-
1981-82	2,292	744	3,036		-			-	-
1982-83	2,846	587	3,433		-			341.32	0.24
1983-84	3,398	568	3,966		-			519.04	1.44
1984-85	3,656	873	4,528		-			477.41	20.63
1985-86	3,488	1,312	4,800		-			222.40	106.43
1986-87	4,749	838	5,587		-			797.84	10.91
1987-88	5,753	789	6,541		-			1,179.54	0.02
1988-89	6,534	581	7,115		-			1,550.00	--
1989-90	7,401	331	7,732		-			1,956.78	--
1990-91	8,126	144	8,270		-			2,314.07	--
1991-92	8,500	394	8,894		-			2,213.00	--
1992-93	8,583	624	9,206		-			1,919.89	--
1993-94	9,129	655	9,784		-			1,980.76	--
1994-95	9,885	921	10,806		-			1,954.62	--
1995-96	10,735	740	11,474		-			2,215.02	--
1996-97	10,805	1,053	11,858	11,243	-	11,243		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	--



ELECTRICITY SALES (GWH)

Bulk Sales by BPDB as single buyer

Year	BPDB zones	DPDC	DESCO	WZPDCL	REB
2004-05	5,993.05	5,134.77	1,843.13	388.57	7038.65
2005-06	5,180.25	5,315.76	2,030.00	1372.78	8062.43
2006-07	5,305.32	5,243.00	2,190.69	1281.95	8039.93
2007-08	5,625.61	5,203.95	2,573.77	1375.23	8654.85
2008-09	6,042.25	5,448.81	2,742.55	1490.63	9032.27
2009-10	6,744.27	5,749.39	2,933.72	1673.44	9525.30

Retail Sales by BPDB

Year	BPDB zones
2004-05	4,794.64
2005-06	4,193.06
2006-07	4,425.70
2007-08	4,813.96
2008-09	5,222.52
2009-10	5,863.30



Signing of contract between BPDB and joint venture company of FEPEC with CCC- ETERN for construction of two power plants (50 MW each) at Baghabari and Daudkandi.



Workshop on resolving audit objection was held in Bidduth Bhaban with Dr. Tawfiq-e-Elahi Chowdhury BB, Hon'ble Adviser to Prime Minister in the chair.

MAXIMUM GENERATION

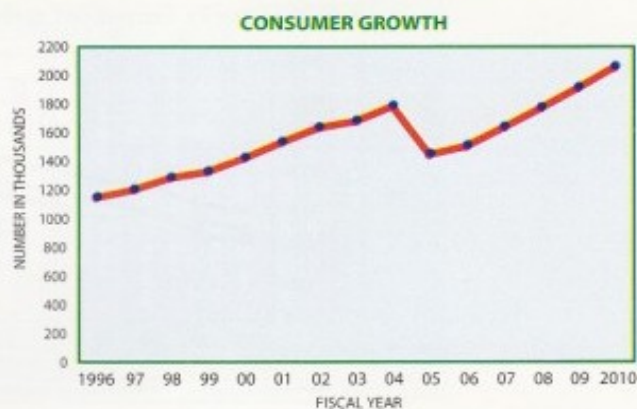
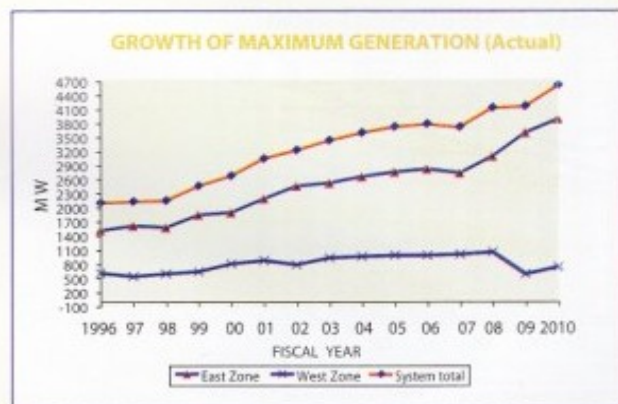
Year	MAXIMUM GENERATION IN MW			%Increase over the preceding year
	East Zone	West Zone	System Total	
1970-71	172	53	225	
1971-72	141	42	183	(18.661)
1972-73	175	47	222	21.532
1973-74	185	65	250	12.603
1974-75	199	67	266	6.362
1975-76	220	81	301	13.275
1976-77	254	88	342	13.495
1977-78	287	109	396	15.779
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
1999-2000	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

CONSUMER GROWTH

Number of Consumers (Category wise)

Year	Domestic	Agriculture	Small Industrial	Small Commercial	Large Inds. & Comm.	REB	DPDC/ Others	DESCO	WZPDCL	Others	Total	% Increase Over the Preceding 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	(-126.22)
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

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



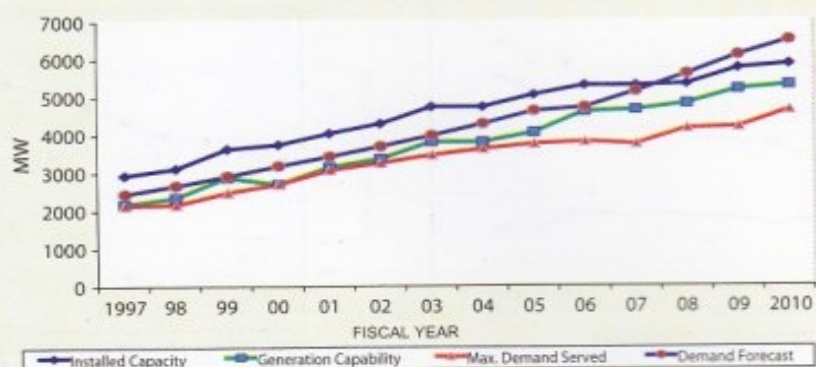
INSTALLED CAPACITY, GENERATION CAPABILITY, DEMAND FORECAST DEMAND SERVED AND LOAD SHEDDING

Year	Installed capacity	Generation capability	Demand Forecast	Maximum Peak Generation	Maximum Load Shedding
	(MW) ¹	(MW) ²	(MW) ³	(MW)	(MW)
1979-80	822.00	625.00	-	462.00	
1980-81	813.00	707.00	-	545.00	
1981-82	857.00	712.00	-	604.00	
1982-83	919.00	810.00	-	709.00	
1983-84	1,121.00	998.00	-	761.00	
1984-85	1,141.00	1,018.00	-	887.00	
1985-86	1,171.00	1,016.00	-	883.00	
1986-87	1,607.00	1,442.00	-	1,084.00	
1987-88	2,146.00	1,859.00	-	1,317.00	200
1988-89	2,365.00	1,936.00	-	1,393.00	170
1989-90	2,352.00	1,834.00	-	1,509.00	180
1990-91	2,350.00	1,719.00	-	1,640.00	340
1991-92	2,398.00	1,724.00	-	1,672.00	550
1992-93	2,608.00	1,918.00	-	1,823.00	480
1993-94	2,608.00	1,881.00	-	1,875.00	540
1994-95	2,908.00	2,133.00	2,038.00	1,970.00	537
1995-96	2,908.00	2,105.00	2,220.00	2,087.00	545
1996-97	2,908.00	2,148.00	2,419.00	2,114.00	674
1997-98	3,091.00	2,320.00	2,638.00	2,136.00	711
1998-99	3,603.00	2,850.00	2,881.00	2,449.00	774
1999-00	3,711.00	2,665.00	3,149.00	2,665.00	536
2000-01	4,005.00	3,033.00	3,394.00	3,033.00	663
2001-02	4,230.00	3,217.50	3,659.00	3,217.50	367
2002-03	4,680.00	3,428.00	3,947.00	3,428.00	468
2003-04	4,680.00	3,592.10	4,259.00	3,592.10	694
2004-05	4,995.00	3,720.80	4,597.00	3,720.80	770
2005-06	5,245.00	3,782.10	4,693.00	3,782.10	1312
2006-07	5,202.00	3,717.80	5,112.00	3,717.80	1345
2007-08	5,201.00	4,130.00	5,569.00	4,130.00	1049
2008-09	5,719.00	5,166.00	6,066.00	4,162.10	1269
2009-10	5,823.00	5,271.00	6,454.00	4,606.00	1459

Note : (1) Installed capacity as of June of the year.

(2) Generation capability is the Maximum available derated generation capacity. (3) Demand forecast

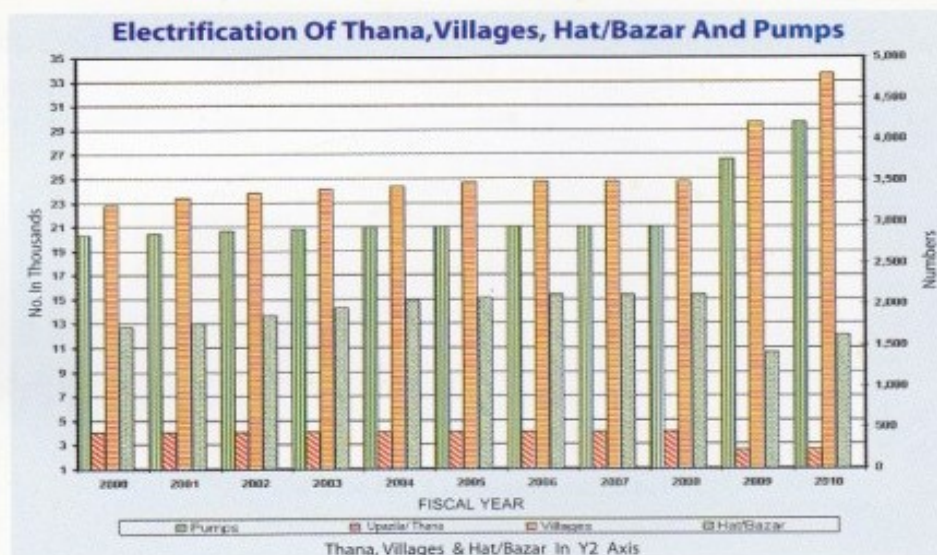
Installed Capacity, Generation Capability, Demand Served & Demand Forecast



ELECTRIFICATION OF THANA, VILLAGES, HATBAZAR AND PUMPS

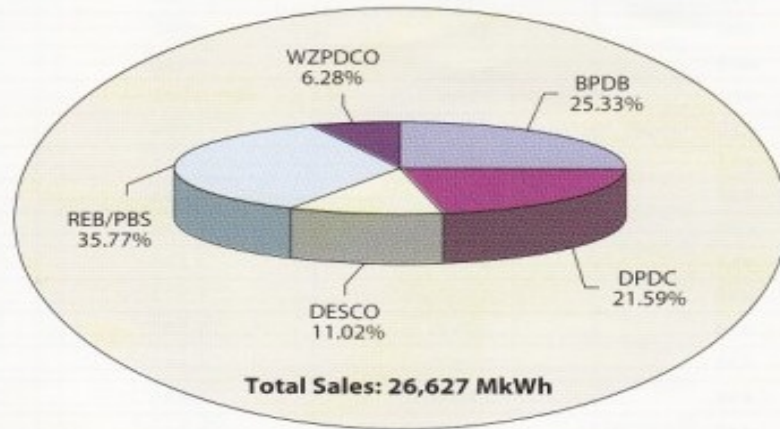
YEAR	Upazila/Thana (Nos.)	Village (Nos.)	Hat/Bazar (Nos.)	Deep, Shallow & Low Lift Pumps(Nos.)
1979-80	357	1675	506	4406
1980-81	377	1675	786	6155
1981-82	388	1956	903	7270
1982-83	403	2054	1050	8287
1983-84	417	2104	1078	8559
1984-85	422	2191	1096	8762
1985-86	432	2361	1181	9368
1986-87	437	2461	1231	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

* Excluding DPDC, DESCO, WZPDCO & REB

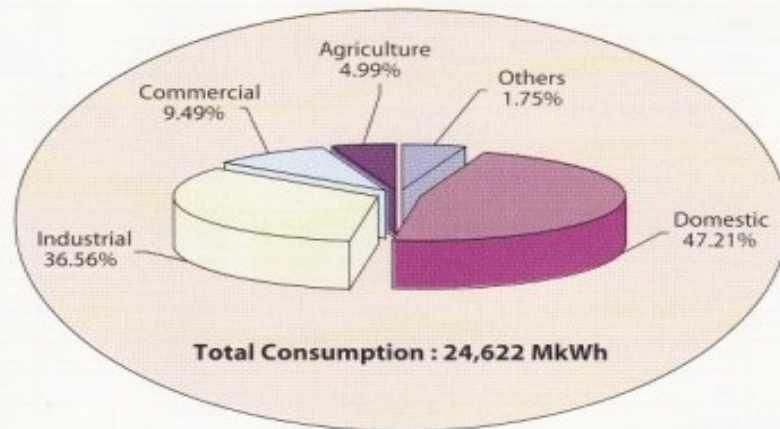


FY 2010

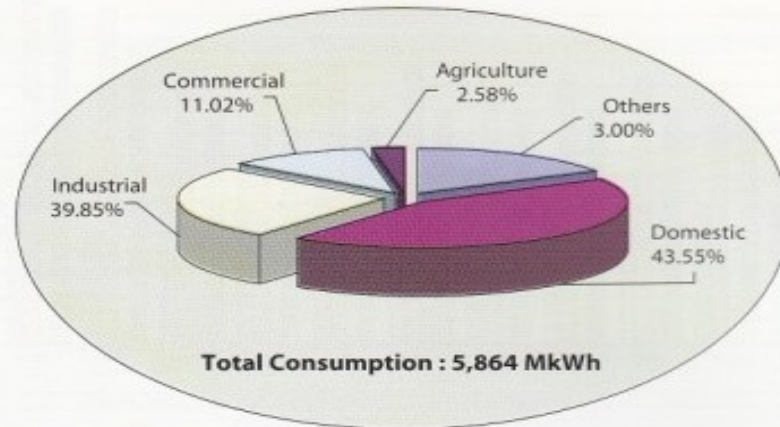
Utility Wise Bulk Sales



Consumption Pattern Of The Country



Consumption Pattern of BPDB



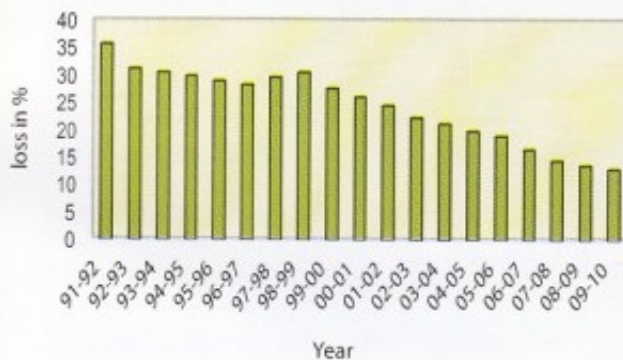
DISTRIBUTION SYSTEM LOSS

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	13.06

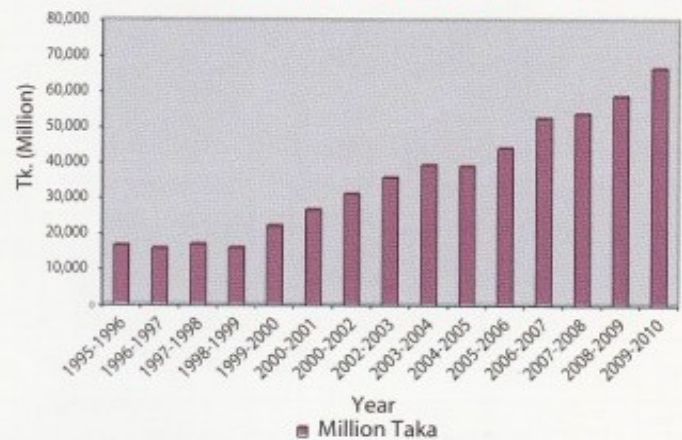
NET REVENUE COLLECTION

Year	Million Taka	% of Change
1990-1991	8,982.43	-3.11
1991-1992	12,050.83	34.16
1992-1993	13,119.79	8.87
1993-1994	14,052.11	7.11
1994-1995	15,685.41	11.62
1995-1996	16,791.28	7.05
1996-1997	16,015.07	-4.62
1997-1998	17,199.36	7.39
1998-1999	16,234.93	-5.61
1999-2000	22,449.90	38.28
2000-2001	27,017.07	20.34
2000-2002	31,373.29	16.12
2002-2003	36,066.41	14.96
2003-2004	39,607.85	9.82
2004-2005	39,177.08	-1.09
2005-2006	44,283.64	13.03
2006-2007	52,798.63	19.23
2007-2008	54,060.21	2.39
2008-2009	58,994.76	9.13
2010-2010	66,775.95	13.19

Distribution System Loss

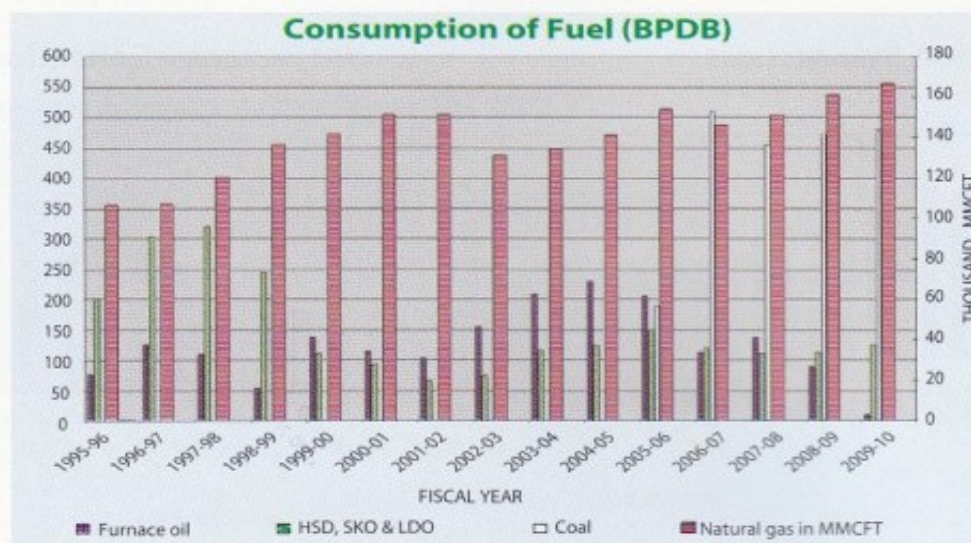


Net Revenue Collection



CONSUMPTION OF FUEL (BPDB)

YEAR	Natural Gas in MMCFT	Liquid Fuel in Million liter		Coal in Million Ton
		Furnace oil	HSD, SKO & LDO	
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



Note : Liquid fuel in million litre and coal unit in ten thousand ton

FUEL COST (BPDB)

Million Taka

Year	East Zone	West Zone	System Total	% Increase over preceeding Year
1991-92	3,336.9680	1,484.1930	4,821.1610	
1992-93	3,802.6470	2,157.1310	5,959.7780	23.62
1993-94	4,084.6642	2,387.9970	6,472.6612	8.61
1994-95	4,951.1771	3,242.1087	8,193.2858	26.58
1995-96	5,071.5326	2,828.1586	7,899.6912	(-)3.58
1996-97	4,881.9630	4,376.3850	9,258.3480	17.20
1997-98	5,809.4409	4,479.3460	10,288.7869	11.13
1998-99	7,116.3757	3,324.5554	10,440.9311	1.48
1999-00	7,732.3040	2,079.7911	9,812.0951	(-)6.02
2000-01	8,845.5142	2,532.6597	11,378.1739	15.96
2001-02	9,151.6294	2,474.4042	11,626.0336	2.18
2002-03	8,324.4894	3,488.1182	11,812.6076	1.60
2003-04	8,482.4318	4,926.2246	13,408.6564	13.51
2004-2005	9,312.7981	6,757.1152	16,069.9133	19.85
2005-2006	8,944.8996	7,384.6046	16,329.5042	1.62
2006-2007	7,265.3647	9,494.0632	16,759.4279	2.63
2007-2008	8,759.1900	8,194.2300	16,953.4200	1.16
2008-2009	6,623.5700	11,608.6000	18,232.1700	7.54
2009-2010	7,119.5000	9,244.7800	16,364.2800	(10.25)

FUEL PRICE

Name of Petroleum Products	Increased price with effect from											
	06.01.2003	08.06.2004	01.01.2005	04.09.2005	26.06.06	02.04.08	01.07.08	27.10.08	23.12.08	13.01.09	15.03.09	01.08.09
Kerosine oil (in Tk / Lit)	16.83	16.83	22.52	29.37	32.31	40.00	53.43	46.51	44.61	42.71	42.71	42.71
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
Light Diesell oil (TK/ Lit)	19.71	19.71	22.01	28.00	28.00	40.00	53.43	46.51	44.61	42.71	42.71	42.71
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
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
Coal (US \$./ M Ton)					60	60	71.5	71.5	71.5	71.5	71.5	71.5

PER CAPITA GENERATION AND CONSUMPTION

Year	Total Generation (GWh)	Total Population (In million)	Total Sale (MkWh)	Per Capita Generation (kWh)	Per Capita Consumption (kWh)
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



A press conference on power sector and it's future plan.

Chapter 5



**POWER SCENARIO & FUTURE PLAN
ON THE DATE OF PUBLICATION OF THE REPORT**

Power Sector at present

At present only 49 % of the people have access to electricity. Per capita generation is 236 kWh which is one of the lowest in the region. 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. Due to this power shortage, load shedding has also been increased. Present generation capacity is 5936 MW including 1131 MW generation addition since this Government came to power in January, 2009. At present 500-800 MW capacity is unable to generate due to gas shortage. About 1500 MW load shedding at peak hour is common in hot summer days. Under the above context, with a vision to achieve 8% projected GDP growth by 2013 and beyond, a massive generation expansion program has been adopted 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'. Existing power generation scenario at a glance has been appended below:

Power Sector at a Glance

Generation Capacity (Derated)	5936 MW
Present Demand	6000 MW
Present Generation Capacity	4,000-4,600 MW
Maximum Generation (20th August, 2010)	4699 MW
Transmission Line (230 KV & 132 KV)	8500 km
Distribution Line (33 KV and below)	2,70,000 km
No. of Consumers	12 Million
Access to Electricity	48.5%
Per Capita Power Generation	236 kWh



A discussion meeting between BPDB and Electrical & Electronic Department of BUET

Power Generation Plan (2010-2016)

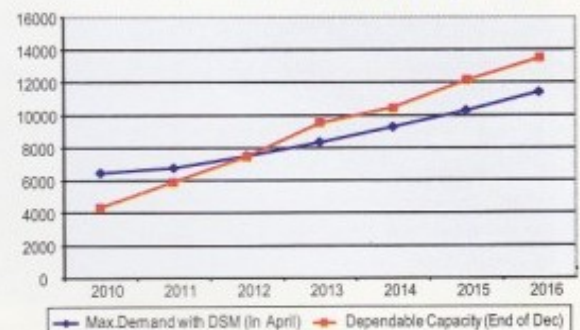
Government has prepared a generation expansion plan up to 2016, considering the possible availability of primary fuel supply. Due to present persistent gas shortage and uncertainty in future supply to the base load power plants due to depleting gas reserve, Government has emphasized on fuel diversification. Fuel oil was considered for peaking power plants and mitigating short term power solution.

About 15,000 MW new generation addition was planned up to 2016. As a short term solution, 265 MW rental and 1488 MW quick rental power plant have been contracted. A number of HFO based peaking plants in public and private sector have also planned. For base load power plant, large coal based power plant and gas based combined cycle power plant have been considered. Summary of these projects are given in below :

Power Generation Projects up to 2016

YEAR	2010 (MW) Commissioned	2011 (MW)	2012 (MW)	2013 (MW)	2014 (MW)	2015 (MW)	2016 (MW)	TOTAL (MW)
Public	255	851	838	1040	1270	450	1500	6204
Private	270	105	1319	1134	1053	1900	1300	7081
Quick Rental	250	1238						1488
Total	775	2194	2157	2174	2323	2350	2800	14,773

Estimated Demand-Supply up to 2016



Project Under Implementation

Since January 2009, 33 Successful contracts have been signed of total capacity 2957 MW, out of which 410 MW capacity (4 projects) has already been commissioned. Remaining 29 projects of capacity 2547 MW are under construction. Besides, 24 projects in public and private sector of capacity 3926 MW are now in the various stages of tendering process and contract is expected to be signed in the next six month.

Projects Completed in the year 2009 & 2010

Sl. No.	Name of the Power Plant	Capacity (MW)	Type of Fuel	Ownership	Commissioning/ Status
1	Hobiganj SIPP	11	Gas	Private (REB)	10 January, 2009
2	Shahjibazar Rental (15 years)	86	Gas	Private (PDB)	10 February, 2009
3	Feni SIPP	22	Gas	Private (PDB)	16 February, 2009
4	Ullapara SIPP (Summit)	11	Gas	Private (REB)	02 March, 2009
5	Kumargoan Rental (15 years)	10	Gas	Private (PDB)	15 March, 2009
6	Mohipal, Feni SIPP	11	Gas	Private (REB)	22 April, 2009
7	Mauna, Gazipur SIPP (Summit)	33	Gas	Private (REB)	12 May, 2009
8	Barabkundu SIPP	22	Gas	Private (PDB)	23 May, 2009
9	Rupganj, Narayanganj SIPP (Summit)	33	Gas	Private (REB)	09 June, 2009
10	Jangalia, Comilla SIPP	33	Gas	Private (PDB)	25 June, 2009
11	Bhola Rental (3 year)	33	Gas	Private (PDB)	12 July, 2009
12	Fenchuganj Rental (15 years)	51	Gas	Private (PDB)	18 October, 2009
13	Ashuganj Rental (3 year)	55	Gas	Private (PDB)	April 07, 2010
14	Sikalbaha Rental (3 year)	55	HFO	Private (PDB)	May 06, 2010
15	Thakurgaon (3 year) Rental	50	Diesel	Private (PDB)	02 August, 2010
16	Khulna 3 year Quick Rental	55	Diesel	Private (PDB)	10 August, 2010
17	Ghorashal 3 year Quick Rental	45	Diesel	Private (PDB)	10 August, 2010
18	Sikalbaha 150 MW Peaking	150	Gas	BPDB	18 August, 2010
19	Ghorashal 3 year Quick Rental	100	Diesel	Private (PDB)	23 August, 2010
20	Siddirganj 120 MW (# 2)	105	Gas	EGCB	14 October, 2010
21	Pagla 3 year Quick Rental	50	Diesel	Private (PDB)	24 November, 2010
22	Bharamara 3 year Rental	110	Diesel	Private (PDB)	31 December, 2010
	Total	1131			

Projects to be completed by 2011

Sl. No	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
Public Sector					
1	Fenchuganj 90 MW CAPP EPC: M/S Harbin Power Eng. Co. (HPE)	105	BPDB	Gas	June, 2011
2	Ashuganj 50 MW Power Plant	53	APSC	Gas	April, 2011
3	Siddhirganj 2X120 MW Peaking Power Plant(1st unit) EPC: BHEL	105	EGCB	Gas	July, 2011
4	Faridpur 50 MW Peaking Power Plant (U/C)	54	BPDB	HFO	October, 2011
5	Gopalganj 100 MW Peaking Power Plant (U/C)	109	BPDB	HFO	October, 2011
6	Dohazari 100 MW Peaking Power Plant (U/C)	102	BPDB	Gas/HFO	November, 2011
7	Hathazari 100 MW Peaking Power Plant(U/C)	98	BPDB	Gas/HFO	November, 2011
8	Bera 70 MW Peaking Power Plant (U/C)	71	BPDB	HFO	November, 2011
9	Doudkandi 50 MW Peaking Power Plant (U/C)	52	BPDB	Gas/HFO	November, 2011
10	Baghabari 50 MW Peaking Power Plant (U/C)	52	BPDB	HFO	November, 2011
11	Gazipur	50	RPCL	Gas/HFO	December, 2011
	Sub Total (Public)	851			
Private Sector (Rental & Quick Rental)					
1	Siddhirganj, Sponsor: Desh Energy	100	Rental (BPDB)	Diesel	February, 2011
2	Meghnagat, Sponsor: HPGL	100	Rental (BPDB)	HFO	March, 2011
3	Noapara, Jessore, 5 Years Rental	105	Rental (BPDB)	HFO	March, 2011
4	Ghorasal, Sponsor: Max Power	78	Rental (BPDB)	Gas	March, 2011
5	B. Baria, Sponsor: Aggreko	70	Rental (BPDB)	Gas	February, 2011
	Ashuganj, Sponsor: Aggreko	80	Rental (BPDB)	Gas	April, 2011
6	Modanganj, Sponsor: Summit Power	102	Rental (BPDB)	HFO	April, 2011
7	Meghnagat, Sponsor: IEL	100	Rental (BPDB)	HFO	April, 2011
8	Khulna, Sponsor: KPCL	115	Rental (BPDB)	HFO	April, 2011
9	Keranigonj, Sponsor: Power Pack	100	Rental (BPDB)	HFO	April, 2011
10	Ashuganj, Sponsor: United Ashuganj Power Ltd.	53	Rental (BPDB)	Gas	April, 2011
11	Nowapara Sponsor: KhanJahan Ali	40	Rental (BPDB)	HFO	May, 2011
12	Amnura Sponsor: Sinha Power	50	Rental (BPDB)	HFO	May, 2011
13	Julda, Karnafuli Sponsor: Acorn Infra. Service Ltd	100	Rental (BPDB)	HFO	May, 2011
14	Siddhirganj, Sponsor: Dutch Bangla Power	100	Rental (BPDB)	HFO	May, 2011
15	Katakhali, Sponsor: NPSL	50	Rental (BPDB)	HFO	May, 2011
	Sub-Total (Private)	1343			
	Total (2011)	2194			

Projects to be completed by 2012

Public Sector					
1	Sylhet 150 MW Power Plant (under Construction)	150	BPDB	Gas	February, 2012
2	Katakhali 50 MW Peaking Power Plant	50	BPDB	HFO	February, 2012
3	Santahar 50 MW Peaking Power Plant	50	BPDB	HFO	February, 2012
4	Chandpur 150 MW CC (under Construction)	163	BPDB	Gas	March, 2012
5	Raujan	20	RPCL	Gas/HFO	September, 2012
6	Sirajganj 150 MW GT	150	NWPGC	Gas/Oil	November, 2012
7	Chapai Nababganj	100	BPDB	HFO	November, 2012
8	Kaptai Solar	5	BPDB	Solar	December, 2012
9	Kodda 150 MW Power Plant	150	BPDB-RPCL Power Gen. Ltd.	HFO	December, 2012
Sub-Total(Public)		838			
Private Sector					
1	Solar	7	IPP (BPDB)	Solar	June, 2012
2	Tangail 20 MW	20	IPP (REB)	Gas/HFO	June, 2012
3	Chandpur 15 MW	15	IPP (REB)	HFO	June, 2012
4	Narayanganj 30 MW	30	IPP (REB)	HFO	June, 2012
5	Shantahar Peaking Plant	50	IPP (BPDB)	HFO	July, 2012
6	Syedpur Peaking Plant	100	IPP (BPDB)	HFO	July, 2012
7	Jamalpur Peaking	100	IPP (BPDB)	Gas/HFO	September, 2012
8	Comilla Peaking	50	IPP (BPDB)	Gas/HFO	September, 2012
9	Khulna Peaking	100	IPP (BPDB)	HFO	September, 2012
10	Dhaka 100 MW Power Plant	100	IPP (BPDB)	HFO	September, 2012
11	Dhaka 50 MW Power Plant	50	IPP (BPDB)	HFO	September, 2012
12	Chittagong 100 MW Power Plant	100	IPP (BPDB)	HFO	September, 2012
13	Chittagong 50 MW Power Plant	50	IPP (BPDB)	HFO	September, 2012
14	Rajshahi 100 MW Power Plant	100	IPP (BPDB)	HFO	September, 2012
15	Rajshahi 50 MW Power Plant	50	IPP (BPDB)	HFO	September, 2012
16	Khulna 100 MW Power Plant	100	IPP (BPDB)	HFO	September, 2012
17	Barisal 50 MW Power Plant	50	IPP (BPDB)	HFO	September, 2012
18	Bhola 150-225 MW CCPP (2 nd unit):SC GT Unit	147	IPP	Gas	October, 2012
19	Kaliakair Peaking Plant, Gazipur	100	IPP	Gas/HFO	November, 2012
Sub-Total (Private)		1319			
Total (2012)		2157			

Projects to be completed by 2013

Public Sector					
1	Ghorasal 200-300 MW Peaking	290	BPDB	Gas/ Diesel	March, 2013
2	Khulna 150 MW GT	150	NWPGC	Gas/Oil	March, 2013
3	Siddirganj 450 MW CCPP	450	EGCB	Gas	December, 2013
4	Bhola 150 MW CCPP	150	BPDB	Gas	December, 2013
	Sub Total (Public)	1040			
Private Sector					
1	Wind	100	IPP (BPDB)	Wind	January, 2013
2	Savar Peaking Plant, Dhaka	100	IPP	Gas/HFO	March, 2013
3	Bibiana 300-450 MW CCPP (1 st Unit): SC GT Unit	222	IPP	Gas	March, 2013
4	Bibiana 300 450 MW CCPP (2 nd Unit): SC GT Unit	222	IPP	Gas	April, 2013
5	Meghnaghat 300 450 MW CCPP (2 nd Unit) Duel Fuel: SC GT Unit	220	IPP	Gas/HFO	April, 2013
6	Keraniganj 150-225 MW CCPP :SC GT Unit	100	IPP	Gas/HFO	June, 2013
7	Madanganj 150-225 MW CCPP :SC GT Unit	100	IPP	Gas/HFO	June, 2013
8	Bhola 150-225 MW CCPP (2 nd unit): ST Unit	70	IPP	Gas	August, 2013
	Sub Total (Private)	1134			
	Total (2013)	2174			

Projects to be completed by 2014

Public Sector					
1	Haripur 360 MW CCPP	360	EGCB	Gas	June, 2014
2	Barapukuria 250-300 MW (3rd Unit)	250	BPDB	Coal	June, 2014
3	Ashugonj 150 CCPP	150	APSCL	Gas	June, 2014
4	Shikalbaha 150-225 MW CCPP	150	BPDB	Gas/HFO	June, 2014
5	Bheramara 360 MW CCPP	360	NWPGC	Gas	September, 2014
	Sub Total (Public)	1270			
Private Sector					
1	Bibiana 300-450 MW CCPP (1 st Unit): ST Unit	119	IPP	Gas	March, 2014
2	Bibiana 300-450 MW CCPP (2 nd Unit): ST Unit	119	IPP	Gas	April, 2014
3	Meghnaghat 300-450 MW CCPP (2 nd Unit) : ST Unit	115	IPP	Gas/HFO	April, 2014
4	Keraniganj 150-225 MW CCPP : ST Unit	50	IPP	Gas/HFO	June, 2014
5	Madanganj 150-225 MW CCPP :ST Unit	50	IPP	Gas/HFO	June, 2014
6	Sirajganj 300-450 MW CCPP	300	IPP	Gas	June, 2014
7	Chittagong 150-300 MW Coal Fired Power Project	150	IPP	Imp. Coal	Sept. 2014
8	Khulna 150-300 MW Coal Fired Power Project	150	IPP	Imp. Coal	Sept. 2014
	Sub Total (Private)	1053			
	Total (2014)	2323			

Projects to be completed by 2015

Public Sector					
1	Ashuganj 450 MW CCPP	450	APSCL	Gas	March, 2015
Sub Total (Public)		450			
Private Sector					
1	Khulna South	1300	PPP (Joint Vent.) / IPP	Coal	March, 2015
2	Maowa, Munshiganj 300-650 MW Coal Fired Power Project	300	IPP	Imp. Coal	Sept. 2015
3	Chittagong 300-650 MW Coal Fired Power Project	300	IPP	Imp. Coal	Sept. 2015
Sub Total (Private)		1900			
Total (2015)		2350			

Projects to be completed by 2016

Public Sector					
1	Meghnagat 750 MW (3rd Unit)	750	BPDB	Gas	March, 2016
2	Dhaka North	750	RPCL	Gas	March, 2016
Sub Total (Public)		1500			
Private Sector					
1	Chittagong	1300	PPP (Joint Vent.) / IPP	Coal	June, 2016
Sub Total (Private)		1300			
Total (2016)		2800			

Project Under Implementation

Since January 2009, 33 Successful contracts have been signed of total capacity 2957 MW, out of which 410 MW capacity (4 projects) has already been commissioned. Remaining 29 projects of capacity 2547 MW are under construction. Besides, 24 projects in public and private sector of capacity 3926 MW are now in the various stages of tendering process and contract is expected to be signed in the next six month.

Project Under Construction

Sl. No.	Description	No. of Projects	Capacity (MW)
01.	Quick Rental	14	1238
02.	Rental	1	105
03.	Public Sector	14	1204
Total		29	2547

Project Under Tendering Process (contract to be signed in next 6 month)

Sl. No.	Description	No. of Projects	Capacity (MW)
01.	Public Sector	6	1420
02.	Private Sector (IPP's)	18	2506
Total		24	3926

**Power Plants inaugurated and foundation stone laid by
Hon'ble Prime Minister Sheikh Hasina**



Inauguration of Siddhirganj 120 MW Power Plant



Inauguration of Fenchuganj 51 MW Rental Power Plant



Inauguration of Ashuganj 55 MW Rental Power Plant



Inauguration of Shikalbaha 150 MW Power Plant



Inauguration of Pagla 50 MW Quick Rental Power Plant



Foundation Stone Laying Ceremony of Chandpur 150 MW Combined Cycle Power Plant



Foundation Stone Laying Ceremony of 50 MW Power Plant at Titas, Comilla



Foundation Stone Laying Ceremony of Gopalganj 100 MW Power Plant

Projects under implementation



Siddhirganj (Desh Energy) 100 MW Quick Rental Power Plant Expected Commissioning Date : February, 2011



Ghorashal (Max Power) 78 MW Quick Rental Power Plant Expected Commissioning Date : February, 2011



B-Baria 70 MW (Aggreko) Quick Rental Power Plant Expected Commissioning Date : February, 2011



Meghnaghat (IEL) 100 MW Quick Rental Power Plant Expected Commissioning Date : March, 2011



Khulna (KPCL) 115 MW Quick Rental Power Plant Expected Commissioning Date : March, 2011



Noapara 105 MW Rental Power Plant Expected Commissioning Date : March, 2011



Meghnaghat (HPGL) 100 MW Quick Rental Power Plant Expected Commissioning Date : March, 2011



Ashuganj (United) 53 MW Quick Rental Power Plant Expected Commissioning Date : April, 2011



Keraniganj (Power Pac) 100 MW Quick Rental Power Plant Expected Commissioning Date : April, 2011



Ashuganj 50 MW Power Plant (TSK) Expected Commissioning Date : April, 2011



Katakhali (NPSL) 50 MW Quick Rental Power Plant Expected Commissioning Date : April, 2011



Amnura (Sinha Power) 50 MW Quick Rental Power Plant Expected Commissioning Date : April, 2011



Jaldha, Kamaphuli (Acorn Infra Ser. Ltd.) 100 MW Quick Rental Power Plant. Expected Commissioning Date : April, 2011



Noapara (Khan Janhan Ali) 40 MW Quick Rental Power Plant. Expected Commissioning Date : April, 2011



Siddhirganj (Dutch Bangla Power) 100 MW Quick Rental Power Plant. Expected Commissioning Date : April, 2011



Madanganj (Summit Power) 102 MW Quick Rental Power Plant. Expected Commissioning Date : April, 2011



Ashuganj (Aggreko) 80 MW Quick Rental Power Plant. Expected Commissioning Date : April, 2011



Faridpur 50 MW Peaking Power Plant. Expected Commissioning Date : August, 2011



Gopalganj 100 MW Peaking Power Plant. Expected Commissioning Date : August, 2011



Hathazari 100 MW Peaking Power Plant. Expected Commissioning Date : September, 2011



Daudkandi (Titas) 50 MW Peaking Power Plant. Expected Commissioning Date : September, 2011



Dohazari 100 MW Peaking Power Plant. Expected Commissioning Date : September, 2011



Baghabari 50 MW Peaking Power Plant. Expected Commissioning Date : September, 2011



Bera 70 MW Peaking Power Plant. Expected Commissioning Date : October, 2011



Gazipur 50 MW Power Plant. Expected Commissioning Date : November, 2011



Sylhet 150 MW Peaking Power Plant. Expected Commissioning Date : February, 2012



Shantabar 50 MW Peaking Power Plant. Expected Commissioning Date : February, 2012



Katakhal 50 MW Peaking Power Plant. Expected Commissioning Date : February, 2012



Chandpur 150 MW Peaking Power Plant. Expected Commissioning Date : March, 2012



Sirajganj 150 MW Power Plant (NWPGL). Expected Commissioning Date : June, 2012

Chapter 6



REFORMS AND OTHER ACTIVITIES



Contract signing ceremony between BPDB and three different companies for construction of five peaking power plants at Bera (70 MW), Hathajari (100 MW) Dohajari (100 MW), Gopalganj (100 MW) and Faridpur (50 MW).

REFORMS

Government has given priority to power sector development and has made commitment to provide access to electricity to all citizens 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 1947 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 to ensure the rapid development of electricity system at 1959. 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 whole country. Under reform, Bangladesh Power Development Board will be converted into Holding Company.

- 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 of 1977.

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

- DESA is functioning as Dhaka Power Distribution Company (DPDC) since July 2008.

- DESCO has started functioning from 1997.

- 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.

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

- Electricity Generation Company of Bangladesh (EGCB) has been formed as a Generation Company since 2004. EGCB is now executing 2x120 MW Peaking Power Plant. EGCB has started procurement process of 450 MW CCPP at Shiddirgonj & 360 MW CCPP power Plant at Haripur.

- North West Power Generation Company (NWPGL) was created in 2008. NWPGL has started procurement process of 150 MW peaking Power Plant each at Khulna, Sirajgonj and 360 MW CCPP Power Plant at Bheramara.

OTHER ACTIVITIES

Total Quality Management (TQM)

Total Quality Management (TQM) is a culture and effective tool for management improvement. Many countries of the world developed their management culture through implementation of TQM. BPDB has already started TQM in its different offices. A directorate named TQM promotion office has been created in August 2002 to look after TQM activities in BPDB. TQM is already under implementation in all offices in BPDB. 1000 nos. of QC circle are working actively in all offices under the guidance of TQM promotion office. 200 nos. of Steering



A group of Journalists visiting the Rehabilitation work of a unit of Karnafuly Hydro Power Plant.

committees are working to monitor the activities of TQM in all offices. Zonal competition held regularly in 6 zones, Internal QCcircle convention of BPDB held regularly, Monthly meeting of TQM task team held in every month to monitor the TQM activities in selected offices. TQM training has been imparted to 6,307 nos. of officers & Staffs till FY 2010. JICA is supporting through technical assistance to promote TQM in BPDB.

Demand Side Management

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

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 started campaign through electronic and print media. In the last few years it was estimated that 400 MW irrigation load was shifted from peak hour.
- BPDB has taken motivational programs to enhance awareness of the consumers during peak hours. Consumers are requested 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 and welding machines etc.
- As part of demand side management program, BPDB has taken several steps. BPDB is using CFL in offices. BPDB also trying to motivate consumer to use Energy efficient lamp.
- Industries operating in two shifts are being requested not to operate during peak hours. Industries and large commercial customers like shopping malls are being requested to use their own captive generation.
- Holiday staggering for industries was implemented, which contribute 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 closure time at 8 p.m. It is estimated that this measure contributes about 350 MW load shifting from peak, there by reduced load shedding.

Implementation of Pre-payment Metering System in BPDB

BPDB has taken initiative to implement pre-payment metering system with a view to reduce non-technical losses, increase the revenue collection, improve customer's service and to reduce the account receivable. The system also reduces management cost as meter reading, billing, ledger keeping; disconnection/re-connection because those are not required under this system. The economic use of electricity by the Pre-payment Metering customers helps to reduce the peak demand of the system, which in turn relieves the generation. On the other side the pre-payment customers are free to use desired quantity of electricity units on cash payment without anxiety and any hassle. The pre-payment metering customers will get 2% (two percent) discount on the general tariff.

On the above ground Government of Bangladesh (GOB) has given priority in prepayment metering. Considering above circumstances a project named "Pre-payment metering project for distribution Southern Zone, Chittagong" has been approved by ECNEC. At present a Tender invited for 35,000 unified qualitative Pre-paid Meter for power Sector. Three 11 KV feeders of Chittagong (Two of Khulsi & One of Stadium) has already been completed Pre-payment metering system. At present 46,000 nos of customers have been brought under Pre-payment metering system in Chittagong, Bogra, Sylhet and Sirajgonj. As a result system losses have been reduced and revenue collections have increased as well as priority of better customer services. The implementation of Pre-payment metering system is going on. First Pre-payment meter was installed in 2005 at Sylhet. Within next five years all low voltage consumers will be brought under pre-payment metering system.

Computerized Billing

BPDB has introduced computerized billing system to increase the revenue collection, decrease the system loss and to ensure better service to the consumers. Now, 100% of the total consumer is under computer billing. They are getting the bill in time with previous month payment acknowledgement. In every year they are getting the yearly clearance or arrear dues certificate. Consumer can see their bills and ledgers on web.

Easy Billpay System

BPDB has implemented an easy and full time effective electronically billpay system through mobile phone Operator in all distribution zones. Billpay system has started from Chittagong in December 2006. In easy billpay system, consumer can pay their electricity bill 24 hours & 7 days. The following Mobile Operator collects BPDB's bill:

Sl. No.	Zone	Mobile Phone Operator
1.	Chittagong	GP
2.	Rajshahi	GP
3.	Sylhet	GP
4.	Rangpur	Banglalink
5.	Mymensingh	Banglalink
6.	Comilla	ROBI

On line facilities

BPDB has an interactive website, which shows the
i) Daily Generation, ii) Consumer Billing information,
iii) Tender notice and tender documents.

HRD Activities

BPDB's vision to provide quality & reliable electricity to the people for desired economic, social & human development of country, to make electricity available to all citizens by the year 2020. For this it is needed to develop specialized skilled services in the field of Operation & Maintenance with outstanding performance in Generation, Transmission & Distribution for promoting competition among various power sector entities. For successful implementation of BPDB's vision, development of human resources through training is very essential.

BPDB has approved a training policy January/2003 in its 1026th General Board meeting held on 10th February 2003.

Bangladesh Power Development Board has been implementing all its training Programs through Directorate of Training & Career Development. Training Programs of BPDB are being conducted in the Regional Training Centres located at Tongi, Rajshahi, Chittagong, Khulna, Power training center at Ghorasal and Ashuganj, Distribution training Center at Khulna and Engineering Academy at Kaptai. In the head quarter of Director Training & career Development, a Computer Training Centre has been setup in parallel to the other training Centre. BPDB through its Directorate of Training & Career Development is also harnessing the training Program from BPATC, BIM, BARD and other training units in the country.

Some new training courses like renewable energy, TQM, SBU, Management training courses for corporate leaders of BPDB, CPM, PERT, TOT etc are also being implemented in addition to scheduled program. Some projects tied programs at home and abroad are also being conducted for human resource development in BPDB. Board is ambitious to establish a need based training program.

Achievement against training program conducted during FY 2010 is shown below

Sl. No.	Name of Training Center/Academy	No. of Courses	Total No. of Trainees
1.	Engineering Academy, Kaptai	23	280
2.	Regional Training Centre, Tongi	38	442
3.	Regional Training Centre, Chittagong	42	539
4.	Regional Training Centre, Rajshahi	37	395
5.	Ghorasal Training Centre, Narsingdi	32	455
6.	Directorate of Training & Career Development, Dhaka.	33	458
7.	Training in Abroad	40	107
8.	Seminar / Workshop	22	283
	Total	267	2959



Finance Minister AMA Muhith addressing the investors in a discussion meeting on "Attracting Investment for Bangladesh Power Sector"

Chapter 7



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) purchase from Rental to meet the growing demand. Electricity generation of BPDB during the financial year 2009-2010 is 10488.32 MkWh and electricity purchase from IPP is 8368.97 MkWh from Rental is 2976.31 and from Public plant 5597.17 totaling 27430.77 MkWh compared to 25621.00

MkWh (own Generation 10513.00 MkWh + IPP 8832.00 MkWh + Purchase from Rental 1342.00 + Purchase from Public Plant 4934.00) of FY 2008-2009. This shows a decrease over the previous year's own generation by 24.68 MkWh & purchase from IPP decrease by 463.03 MkWh, Rental increase 1634.31 & Public Plant increase 663.17 MkWh respectively. The energy sale during 2009-2010 was 25744.300 MkWh compared to 23936.779 MkWh of the preceding year. Sales units increased 7.55% over the preceding financial year. System Loss is 13.06% compared to 13.57% of the previous year. This indicates that a decrease of system loss by 0.51% over the preceding year. Table-A shows complete a picture of the above information.

Table-A

Figures in MkWh

Particulars	2009-10		2008-09		Increase/Decrease	
	MkWh	(%)	MkWh	(%)	MkWh	(%)
Total	27430.77	100	25621.00	100	1809.77	7.06%
i. BPDB's Generation	10488.32	38.24	10513.00	41.03	-24.68	-0.24%
ii. Purchase from IPP	8368.97	30.51	8832.00	34.47	-463.03	-5.24%
ii. Purchase from Rental	2976.31	10.85	1342.00	5.24	1634.31	121.78%
ii. Purchase from Public Plant	5597.17	20.40	4934.00	19.26	663.17	13.44%

It shows that Purchase from Rental & Purchase from Public Plant has increased by 121.78% & 13.44% whereas own generation & purchase of

electricity through IPP has decreased by 0.24% & 5.24% compare to the year 2008-2009. Chart-1 shows the comparative generation picture of "BPDB's" with "IPP"

Trend of Electricity Generation

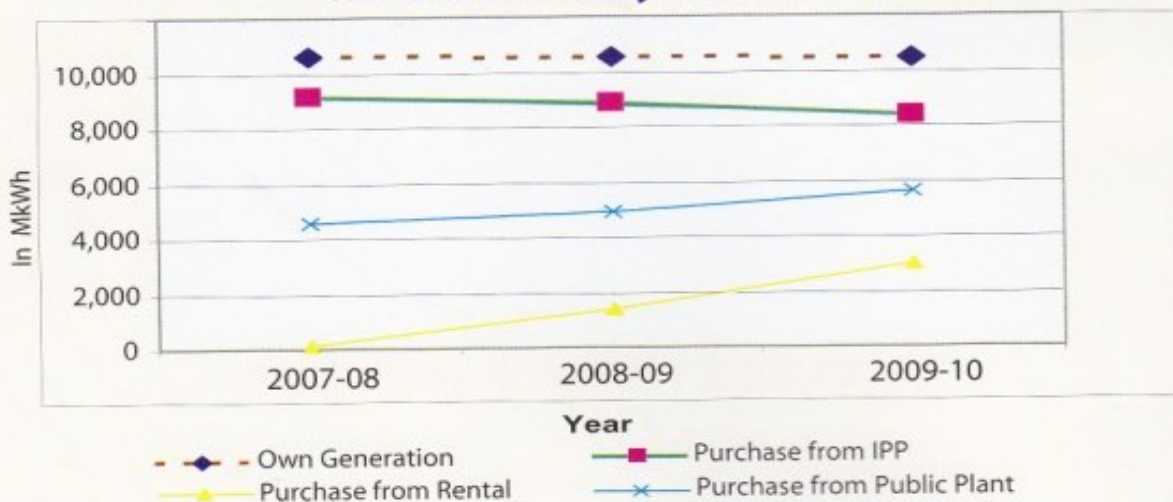


Chart-1

During the financial year 2008-2009 sales to DPDC, DESCO, WZPDCL & REB amounted to Taka 1407.09 Crores, 718.80 Crores, 405.58 Crores, and 2199.46 Crores respectively against which amount collected was 1425.08 Crores, 710.23

Crores, 402.10 Crores and 2181.39 Crores which is only 101.24%, 98.81%, 99.14% & 98.58% of collection amount respectively. A comparison of the energy sale and operating expenses for FY 2009-2010 and 2008-2009 is shown below:

Table-B

Figures in Crore Taka

Sl. No.	Head of Accounts	Actual 2009-2010	Actual 2008-2009	Percentage increase/Decrease(%)
1	Operating Revenue :	7115.80	6363.27	11.83
	From Sale of Electricity	6842.42	6151.93	11.22
	Other Operating Revenue	273.38	211.34	29.36
2	Operating Expenses :	7512.16	7015.13	7.09
i	Fuel Cost	1636.43	1823.27	(10.25)
ii	Cost of electricity purchase from IPP	2528.00	2384.93	6.00
iii	Electricity purchase from RENTAL	963.77	697.88	38.10
iv	Electricity purchase from Public Plant	789.59	599.03	31.81
v	Generation Expenses (Excluding fuel Cost & IPP)	866.92	761.53	13.97
vi	Wheeling Charge to PGCB	113.95	131.25	(13.18)
vii	Distribution Expenses	469.05	474.97	(1.25)
viii	Customers Expenses	30.86	35.88	(13.98)
ix	General & Administrative Expenses	113.58	106.38	7.09
3	Operating Loss/Profit = (1-2)	-396.36	-651.86	(39.20)

Table-B shows that sale of electricity has been increased by 11.22% over the year 2008-09. From the above table it is seen that the cost of fuel for generation has decreased by 10.25%. The total operating expenses has increased by 7.09%.

Thus during the financial year 2009-2010, the share of fuel cost & purchase from IPP over total operating cost stood at 21.78% & 33.65% compared to at 25.99% & 34% respectively of the preceding year. Transmission cost percentage to total Operating expenses is 1.52% for the year 2009-10, which was 1.87% in the year 2008-09. Distribution Expenses to operating expenses is 6.24% for the year 2009-10, which was 6.77% in the year 2008-09.

Chart-3 also shows the share of each component to total operating expenses. Operating Loss for the year 2009-10 is 5.57% to total operating revenue, which was 10.24% in the preceding year.

Category Wise Expenses

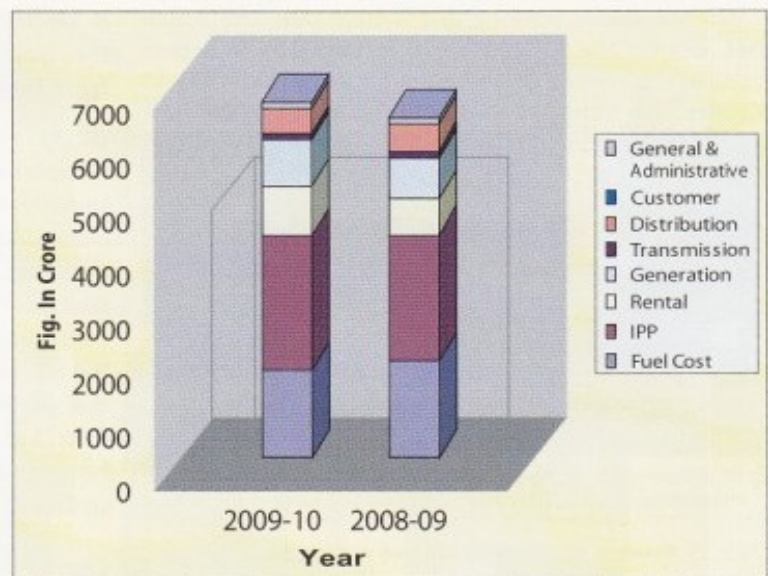


Chart-2

The Statement of Actual Income and Expenses compared to the Revised Budget of FY 2009-2010

Figures in Crore

Head of Accounts	Budget	Actual	Performance
	FY 2009-10	FY 2009-10	%
OPERATING REVENUE			
Electricity Sales	7523.20	6842.42	90.95%
Other Operating Revenue	208.59	273.38	131.06%
Total Operating Revenue	7731.79	7115.80	92.03%
Operating Expenses :			
Fuel Cost	2043.18	1636.43	80.09%
Depreciation	738.58	746.68	101.10%
Repairs & Maintenance	339.40	203.88	60.07%
Electricity purchase from IPP	2781.55	2528.00	90.88%
Electricity purchase from RENTAL	1436.23	963.77	67.10%
Electricity purchase from PUBLIC	792.49	789.59	99.63%
Wheeling Charges to PGCB	139.12	113.96	81.91%
Other Operating Expenses	179.31	157.35	87.75%
Sales & Distribution Expenses	336.27	258.92	77.00%
Administrative Expenses	113.51	113.58	100.07%
Total Operating Expenses	8899.63	7512.16	84.41%
Operating Income/(Loss)	(1167.84)	(396.36)	33.94%
Non-Operating Expenses :			
Interest on Loans		228.25	119.43%
Assets Insurance Provision	1.50	1.50	100.00%
Exchange Rate Fluctuation Loss/(Gain)	0.65	9.64	1481.06%
Total Non Operating Expenses	193.26	239.40	123.87%
Net Income/(Loss)	(1361.11)	(635.76)	46.71%

From the above statement it is clear that, the actual net loss for the FY 2009-2010 is Taka 635.76 Crores against the revised budgeted net Loss of Taka 1361.11 Crores. This indicates that net loss decreases by Taka



BPDB Chairman A S M Alamgir Kabir holding a meeting with visiting Indian delegation at WAPDA Building regarding exchange of electricity.

725.35 Crores. 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 "Depreciation, Repair & Maintenance, Administration Expenses, Wheeling Charges to PGCB

& Electricity Purchase from Public ".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 179.96 Crores was transferred to operation during the FY 2009-2010. Depreciation has been provided @ 3.20% on the opening balance of utility plant in service except transportation equipment on which depreciation has been charged @ 9.00% on straight-line method & half of the normal rate on addition during the year. Repayment due during the FY 2009-2010 was against foreign and Govt. Loans are Taka 372.14 Crores and 135.47 Crores respectively. Payment of DSL to Govt. during the year under review amounted to Taka 151.67 Crores.

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.

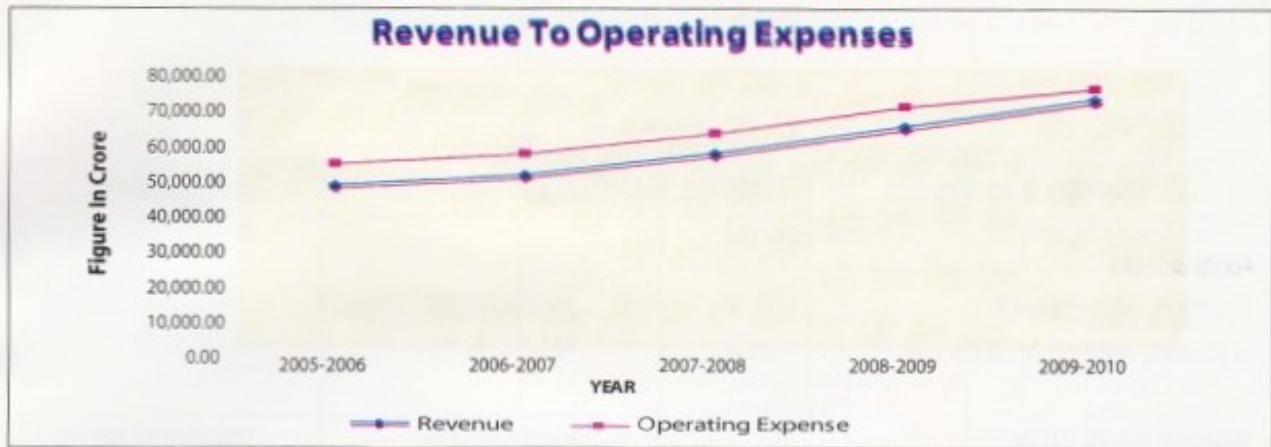


Chart-3

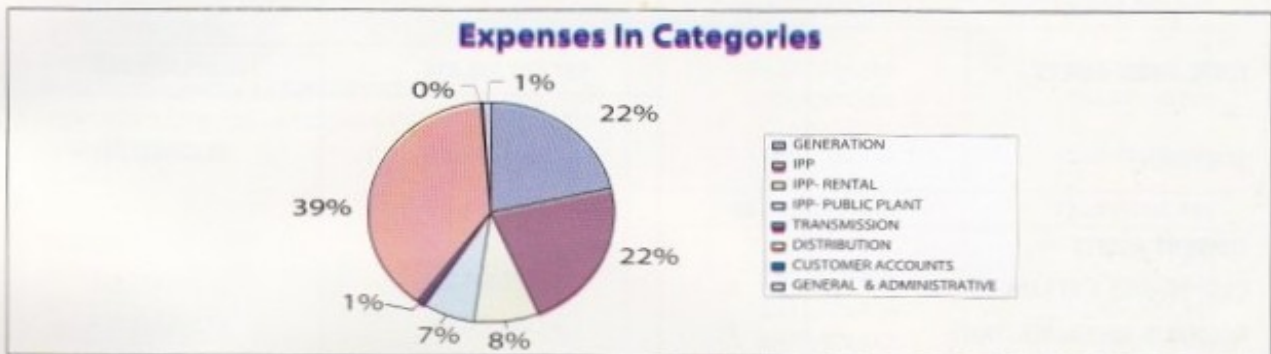


Chart-4

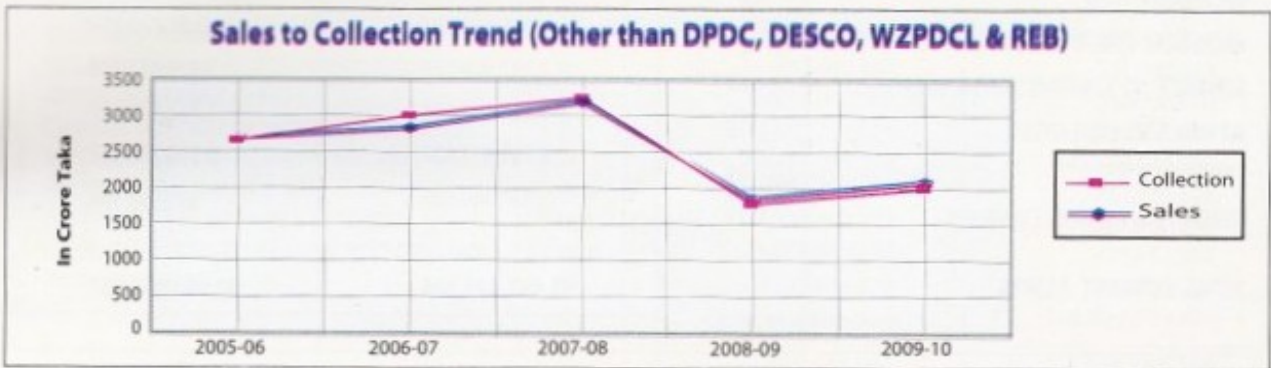


Chart-5



Signing of contract between BPDB and Rahimafrooz for setting up a Solar Energy Unit at Prime Minister's Office.



Solar panel at Prime Minister's Office

BALANCE SHEET

As at 30 June, 2010

Figures In Taka

PROPERTY & ASSETS	NOTE	FY 2009-10	FY 2008-09
FIXED ASSETS			
UTILITY PLANT IN SERVICE	3	308,258,707,269	305,639,667,002
LESS: ACCUMULATED DEPRECIATION	4	146,762,340,901	139,295,503,877
WRITTEN DOWN VALUE	5	161,496,366,368	166,344,163,124
PROJECT - IN - PROGRESS	6	25,706,927,526	20,261,790,409
TOTAL FIXED ASSETS		187,203,293,894	186,605,953,533
INVESTMENT	7	33,569,779,005	19,926,627,384
CURRENT ASSETS			
CASH IN HAND & AT BANK	8	19,276,891,224	22,214,937,336
ACCOUNTS RECEIVABLE - TRADE	9	47,954,158,536	47,030,745,374
ACCOUNTS RECEIVABLE - OTHERS	10	10,537,617,306	9,615,715,295
RECEIVABLE - REB	10.01	1,632,443,764	1,632,443,764
PROVISION FOR BAD & DOUBTFUL DEBTS	11	(568,910,374)	(535,771,380)
ADVANCE TO CONTRACTORS & SUPPLIERS	12	2,287,904,223	2,439,917,419
ADVANCE TO EMPLOYEES	13	1,338,283,257	1,312,820,663
STOCK & STORES	14	8,268,873,408	8,320,766,472
DEPOSITS & PREPAID EXPENSES	15	730,360,039	109,233,194
TOTAL CURRENT ASSETS		91,457,621,385	92,140,808,137
TOTAL PROPERTY & ASSETS		312,230,694,284	298,673,389,054

J. U. Ahmed & Co.
Chartered Accountants

Khan Wahab Shafique Rahman & Co.
Chartered Accountants

BALANCE SHEET

As at 30 June, 2010

Figures In Taka

CAPITAL & LIABILITIES	NOTE	FY 2009-10	FY 2008-09
AUTHORIZED CAPITAL		120,000,000,000	100,000,000,000
CAPITAL & RESERVE			
PAID UP CAPITAL	16	96,468,648,298	92,964,804,898
NET SURPLUS / (DEFICIT)	17	(111,241,126,281)	(100,780,954,252)
APPRAISAL SURPLUS	18	117,057,871,482	117,057,871,482
GRANTS	19	4,850,418,860	4,809,784,860
DEPOSIT WORK FUND	20	1,471,520,319	1,298,213,464
LIQUIDITY DAMAGE RESERVE	20.01	72,053,500	72,053,500
		108,679,386,178	115,421,773,951
LONG TERM LIABILITIES			
GOVERNMENT LOAN	21	34,257,774,691	33,372,892,267
BUDGETARY SUPPORT AS SUBSIDY FROM GOVT. (DIFFERENCE OF BUYING & SELLING RATE)	21.01	29,004,900,000	19,067,300,000
FOREIGN LOAN	22	17,061,102,755	20,645,116,176
		80,323,777,445	73,085,308,442
MEDIUM TERM LIABILITIES			
SECURITY DEPOSIT (CONSUMERS)	24	2,887,554,605	2,703,278,424
GPF & CPF	25	2,691,579,470	2,406,681,232
GRATUITY & PENSION FUND	26	8,179,475,712	968,866,653
		13,758,609,787	6,078,826,309
CURRENT LIABILITIES			
ACCOUNTS PAYABLE	27	9,955,633,023	8,485,635,827
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	28	542,782,510	521,900,853
ASSETS INSURANCE FUND	30	255,000,000	240,000,000
CURRENT PORTION OF LONG TERM LIABILITIES	31	5,102,231,175	4,785,942,022
DEBT SERVICING LIABILITIES (PRINCIPAL)	33	48,190,065,402	43,603,811,357
REIMBURSABLE PROJECT AID	34	761,757,527	761,757,527
DEBT SERVICING LIABILITIES (INTEREST)	35	43,324,663,212	41,887,769,492
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	35.01	1,074,865,692	473,463,065
OTHER LIABILITIES	36	237,847,829	233,898,008
		109,444,846,370	100,520,715,086
CLEARING ACCOUNTS	37	24,074,504	3,566,765,265
TOTAL CAPITAL & LIABILITIES		312,230,694,284	298,673,389,054

J. U. Ahmed & Co.
Chartered Accountants

Khan Wahab Shafique Rahman & Co.
Chartered Accountants

INCOME STATEMENT

Figures In Taka

PARTICULARS	NOTE	FY 2009-10	FY 2008-09
OPERATING REVENUE			
ENERGY SALES	38	68,424,207,595	61,519,289,231
OTHER OPERATING INCOME	39	2,733,763,861	2,113,370,816
		71,157,971,456	63,632,660,046
OPERATING EXPENSES			
GENERATION EXPENSES	40	25,033,512,402	25,848,023,771
ELECTRICITY PURCHASE FROM IPP	40.01	25,279,990,354	23,849,306,520
ELECTRICITY PURCHASE FROM RENTAL	40.02	9,637,677,734	6,978,799,252
ELECTRICITY PURCHASE FROM PUBLIC PLANT	40.03	7,895,935,963	5,990,340,782
TRANSMISSION EXPENSES FOR WHEELING CHARGE	41	1,139,551,368	1,312,524,685
DISTRIBUTION EXPENSES	42	4,690,498,978	4,749,752,429
CUSTOMER ACCOUNTS EXPENSES	43	308,601,356	358,775,042
GENERAL & ADMINISTRATIVE EXPENSES	44	1,135,837,945	1,063,785,471
		75,121,606,100	70,151,307,953
OPERATING INCOME / (LOSS)			
		(3,963,634,644)	(6,518,647,907)
PROVISION FOR ASSETS INSURANCE FUND		15,000,000	15,000,000
FINANCING & OTHER CHARGES	45	2,282,504,405	2,086,927,832
NET INCOME/(LOSS) BEFORE EXCH. RATE FLUCTUATION		(6,261,139,049)	(8,620,575,739)
LOSS DUE TO EXCHANGE RATE FLUCTUATION	46	(96,446,501)	334,510,922
NET INCOME / (LOSS) FOR THE YEAR			
		(6,357,585,550)	(8,286,064,817)
RETAINED EARNINGS			
BALANCE AS AT JULY 01, 2009		(100,780,954,252)	(94,382,378,807)
PREVIOUS YEAR'S ADJUSTMENT	47	(4,102,586,478)	1,887,489,371
NET INCOME / (LOSS) FOR THE YEAR		(6,357,585,550)	(8,286,064,817)
BALANCE AS AT JUNE 30, 2010			
		(111,241,126,281)	(100,780,954,252)

J. U. Ahmed & Co.
Chartered Accountants

Khan Wahab Shafique Rahman & Co.
Chartered Accountants

CASH FLOW STATEMENT

SL. No.	DESCRIPTION	AMOUNT	AMOUNT	AMOUNT
	CASH FLOW FROM OPERATING ACTIVITIES			
A	Total Receipts from BPDB Customer, REB & Others			
	Operating Revenue Note-38 & 39	71,157,971,456		
	Accounts Receivable-Trade-Opening-Note-9	47,030,745,374		
	Accounts Receivable-Trade-Closing-Note-9	(47,954,158,536)		
	Accounts Receivable-Others -Opening-Note-10	9,615,715,295		
	Accounts Receivable-Others -Closing-Note-10	(10,537,617,306)		
	Provision for Bad Debt-Opening-Note-11	(535,771,380)		
	Provision for Bad Debt-Closing-Note-11	568,910,374		
			69,345,795,277	
B	Less Total Payment for Operating Expenses & Others			
	Operating Expenses net of Depreciation*01	67,654,769,077		
	Previous Year's Adjustments-Note-47	4,102,586,478		
	Interest Charges- Sh-45 (Code-675)	212,841,742		
	Interest Charges- (GOB & Foreign) Sh-35 (Code-671&672)	544,648,400		
	Liquidity Reserve-Opening- Note-20.01	72,053,500		
	Liquidity Reserve-Closing - Note-20.01	(72,053,500)		
	Accounts Payable-Opening -Note-27	8,485,635,827		
	Accounts Payable-Closing- Note-27	(9,955,633,023)		
	Adjustment for Accounts Payable -PGCB *02	-		
	Security Deposit Contractor's-Opening -Note-28	521,900,853		
	Security Deposit Contractor's-Closing- Note-28	(542,782,510)		
	Other Liabilities-Opening-Note-36	233,898,008		
	Other Liabilities-Closing-Note-36	(237,847,829)		
	Advance to Contractors-Opening - Note-12	(2,439,917,419)		
	Advance to Contractors-Closing - Note-12	2,287,904,223		
	Advance to Employees-Opening- Note-13	(1,312,820,663)		
	Advance to Employees-Closing- Note-13	1,338,283,257		
	Stock & Stores-Opening- Note-14	(8,320,766,472)		
	Stock & Stores-Closing- Note-14	8,268,873,408		
	Adjustment against DSL*03	-		
	Clearing Account-Opening- Note-37	3,566,765,265		
	Clearing Account-Closing- Note-37	(24,074,504)		
	Deposits & Prepaid-Opening- Note-15	(109,233,194)		
	Deposits & Prepaid-Closing -Note-15	730,360,039		
			75,005,390,965	
C	Reimbursable Project Aid-Refunded-Sh-34			
D	Debt Service Liabilities-Interest Payment -Sh-35		544,648,400	
E	Net Cash Outflow From Operating Activities (A-B-C-D)			(6,204,244,089)
	Cash Flow From Investing Activities			
	Consumers Security Deposit -Note-24 (Closing-Opening)	184,276,181		
	Capital Expenditure-UPIS- Sh-3	(819,469,837)		
	Capital Expenditure-PIP*06(Net Cash)	(6,854,846,158)		
	Employees Contribution to GPF, CPF & Pension Fund-Note-26&25(Closing-Opening)	7,495,507,296		
	Encashment of FDR-Sh-07	6,571,862,630		
	Investment in FDR-Sh-07	(20,215,014,251)		
F	Net Cash Intflow From Investing Activities			(13,637,684,139)
	Cash Flow From Financing Activities			
	Capital Contribution -Note-16 (Closing-Opening)	3,503,843,400		
	Grant-Note-19 (Closing- Opening)	40,634,000		
	Govt. Loan- Sh-23 (Loan Drawn during the Year)	13,833,086,282		
	Foreign Loan- Sh-22.Loan wise(Loan Drawn during the Year)	331,119,709		
	Deposit Work Fund -Note-20 (Closing- Opening)	173,306,855		
	DSL (Principal due) PGCB, APSC & WZPDC (Except Cash) A/R Other	1,050,438,965		
	DSL (Interest) PGCB, APSC & WZPDC (Except Cash) A/R Other	-		
	Repayment of Foreign Loan-Sh-33	(1,476,461,096)		
	Repayment of Govt. Loan-Sh-33	(100,000,000)		
	Refund of Govt. Loan	(180,834,400)		
	Refund of Equity to GOB	(271,251,600)		
G	Net Cash Inflow From Financing Activities			16,903,882,115
H	Net Cash Outflow (E+F+G)			(2,938,046,112)
I	Opening Cash In Hand			22,214,937,336
J	Closing Cash In Hand (G+H)			19,276,891,224

ELECTRICITY PURCHASE FROM IPP

Particulars	2009-2010		2008-2009	
	Unit kWh	Amount In Tk.	Unit kWh	Amount In Tk.
KPCL, Khulna	750,144,500	7,431,353,693	748,237,300	7,415,929,910
NEPC BD. (LTD), Haripur	337,076,500	1,971,350,120	624,155,500	2,234,040,447
WESTMONT BD. (LTD), Baghabari	474,345,600	977,865,703	505,449,600	1,258,633,613
RPC LTD. Mymensingh	830,993,250	3,250,770,630	957,337,684	3,637,544,378
AES, Haripur (PVT.) LTD.	2,675,165,000	3,650,127,385	2,585,006,000	3,451,643,462
AES Meghna Ghat BD. LTD.	3,331,220,890	6,352,679,223	3,411,330,700	5,851,514,711
Doren Power Generation & System Ltd.	161,762,184	359,751,735	-	-
Doren Power Generation & System Ltd.	154,588,716	353,482,094	-	-
Regent Power Ltd.	166,309,104	370,522,700	-	-
Summit Purbachal Power Ltd.	216,989,027	562,087,070	-	-
Balance as at June 30, 2010	9,098,594,771	25,279,990,354	8,831,516,784	23,849,306,520

ELECTRICITY PURCHASE FROM RENTAL

Particulars	2009-2010		2008-2009	
	Unit kWh	Amount In Tk.	Unit kWh	Amount In Tk.
AGGREKO, KHULNA(3 YEARS) LIQUID FUEL	236,893,030	3,537,692,841	262,349,811	4,167,487,625
BOGRA 20 MW (15YEARS) GAS	149,752,460	401,419,253	137,105,175	348,103,503
BARKATULLAH ELECTRO DYNAMICS LTD.	229,166,935	505,227,281	-	-
SHAHJIBAZAR POWER CO. LTD.	635,518,245	1,402,969,449	281,147,347	558,197,793
DESH CAMBRIDGE, KUMERGOAN	68,011,200	165,648,241	27,286,802	51,696,848
ENERGYPRIMA, KUMERGOAN	257,647,520	890,850,323	265,701,740	858,856,080
ENERGYPRIMA, SHAHJIBAZAR	297,370,800	973,546,485	153,557,275	595,102,102
ENERGYPRIMA, FENCHUGONJ	114,630,720	322,054,867	-	8,489,927
VENTURE ENERGY, BHOLA	163,218,975	724,021,094	11,715,984	215,979,477
DOREN, TANGAIL	-	-	29,127,528	134,734,775
DOREN, FENI	-	-	45,864,384	40,151,123
REGENT POWER LTD.	-	-	-	-
ENERGIS POWER CORPORATION LTD.	105,696,396	711,152,925	-	-
PRECISION ENERGY LTD.	3,358,066	3,094,973	-	-
	-	-	1,213,856,046	6,978,799,252
Balance as at June 30, 2010	2,261,264,347	9,637,677,734		

ELECTRICITY PURCHASE FROM PUBLIC PLANT

Particulars	2009-2010		2008-2009	
	Unit kWh	Amount In Tk.	Unit kWh	Amount In Tk.
APSCL	4,209,174,913	6,299,407,988	4,031,137,958	4,864,821,659
SBU HARIPUR	-	496,114,670	-	396,665,262
SIDDIRGONJ	-	1,100,413,305	-	728,853,861
Balance as at June 30, 2010	4,209,174,913	7,895,935,963	4,031,137,958	5,990,340,782

BUDGET COMPARISON STATEMENT FOR 2009-2010

Particulars	Budget FY 2009-2010	Actual FY 2009-2010	Performance Over Budget	Favorable/ Adverse
Operating Revenue				
Electricity Sales	2,085,900,000	68,424,207,595	3280.32%	A
Other Operating Income	2,085,900,000	2,733,763,861	131.06%	F
Total Operating Revenue	4,171,800,000	71,157,971,456	1705.69%	A
Operating Expenses				
Fuel Cost	20,431,800,000	16,364,278,447	80.09%	F
Depreciation	7,385,800,000	7,466,837,023	101.10%	A
Repair & Maintenance	3,394,000,000	2,038,755,001	60.07%	F
Electricity Purchase From IPP	27,815,500,000	25,279,990,354	90.88%	F
Electricity Purchase From Rental	14,362,300,000	9,637,677,734	67.10%	F
Electricity Purchase From General Plant	7,924,935,000	7,895,935,963	99.63%	F
Wheeling Charges to PGCB	1,391,200,000	1,139,551,368	81.91%	F
Other Operating Expenses	1,793,067,000	1,573,492,525	87.75%	F
Sales & Distribution Expenses- Including Pension	3,362,662,000	2,589,249,740	77.00%	F
Administration Expenses	1,135,085,000	1,135,837,945	100.07%	F
Administration Expenses	88,996,349,000	75,121,606,100	84.41%	A
Operating Income / (Loss)	(84,824,549,000)	(3,963,634,644)	4.67%	F
Non - Operating Expenses				
Assets Insurance Fund	15,000,000	15,000,000	100.00%	A
Interest on Loans	1,911,102,000	2,282,504,405	119.43%	A
Loss from Exchange Rate Fluctuation	6,512,000	96,446,501	1481.06%	A
Total Non Operating Expenses	1,932,614,000	2,393,950,906	123.87%	A
Net Income / (Loss)	(86,757,163,000)	(6,357,585,550)	7.33%	F

INCOME STATEMENT AND BALANCE SHEET RATIOS

Particulars	2009-2010	2008-2009
INCOME STATEMENT RATIOS		
1. Rate of Return (Operating Income / Operating Avg. Fixed Assets)	-2.42%	-3.87%
2. Operating Income Ratio (Operating Income/Total Operating Revenue)	-5.57%	-10.24%
3. Ratio of Operating Expenses to Total Operating Revenue	105.57%	10.24%
4. Ratio of Fuel Expenses over total Operating Expenses	21.78%	25.99%
5. Ratio of Depreciation over Total Operating Expenses	9.94%	10.52%
6. Ratio of Depreciation and Fuel expenses to operating expenses	31.72%	36.51%
7. Ratio of operating cash expenses over cash collection	97.51%	98.64%
BALANCE SHEET RATIOS		
8. Current Ratios (Current Assets/Current Liabilities)	0.84:1	0.92:1
9. Quick Ratio (Quick Assets / Current Liabilities)	0.76:1	0.83:1
10. Debt/Equity Ratio	0.14:86	0.31:69

GENERATION COST

Sl. No.	Generating Plant under Power Station	Allocated Fixed Cost			Total Fixed Cost	Total Generation Cost	Generation Cost Per Unit	Remarks
		Central OH.	Depreciation	Total Allocated Fixed Cost				
1	2	14	15	16=(14+15)	17=(13+16)	18=(8+13+17)	19 = (18/4)	21
1	KARNAFULI HYDRO POWER STATION	72,854,287	373,516,112	446,370,399	607,649,785	633,146,850	0.87	
	Total Water	72,854,287	373,516,112	446,370,399	607,649,785	633,146,850	0.87	
2	BAGHABARI POWER STATION	54,165,579	277,701,109	331,866,688	475,480,413	1,459,073,324	1.75	
3	GHORASHAL POWER STATION	300,919,883	1,542,783,940	1,843,703,823	2,648,941,665	7,504,502,318	1.48	
4	TONGI POWER STATION	25,340,622	129,918,648	155,259,269	282,456,705	869,931,539	2.74	
5	SHIKALBAHA POWER STATION	19,005,466	97,438,986	116,444,452	236,019,853	347,083,535	3.96	
6	SHAHJIBAZAR POWER STATION	51,948,275	266,333,228	318,281,502	455,878,686	1,020,822,920	2.11	
7	CHITTAGONG POWER STATION, RAWZAN	133,038,264	682,072,900	815,111,164	1,084,714,266	2,094,031,770	2.13	
8	FENCHUGANJ 90 MW POWER STATION	28,508,199	146,158,479	174,666,678	393,930,433	906,870,992	1.51	
9	HARIPUR POWER STATION (100 MW)	-	-	-	-	-	-	
10	SIDDIRGONJ POWER STATION	-	-	-	-	-	-	
11	KUMERGOAN GT POWER STN.	6,335,155	32,479,662	38,814,817	61,021,405	174,256,207	2.84	
	Total Gas	619,261,443	3,174,886,950	3,794,148,394	5,638,443,426	14,376,572,607	1.71	
12	KUTUBDIA DIESEL GENERATOR	642,575	3,294,412	3,936,987	6,873,783	13,254,569	48.96	
13	SANDIP DIESEL GENERATOR	668,802	3,428,878	4,097,680	5,739,436	11,843,039	34.66	
14	SAYEDPUR GAS TURBINE POWER STATION	6,208,452	31,830,069	38,038,521	84,277,023	773,868,178	21.75	
15	RANGPUR GAS TURBINE POWER STATION	6,461,859	33,129,255	39,591,114	55,115,209	671,432,872	21.24	
16	KHULNA POWER STATION	71,587,256	367,020,179	438,607,436	704,159,947	1,139,432,441	55.13	
17	HATIYA DIESEL GENERATOR	696,867	3,572,763	4,269,630	5,324,448	26,115,995	21.46	
18	BHERAMARA POWER STATION	19,005,466	97,438,986	116,444,452	203,010,751	2,655,472,705	21.16	
19	BHOLA DIESEL POWER STATION	2,196,525	11,261,348	13,457,873	51,130,521	66,899,978	101.72	
20	BARISHAL GAS TURBINE POWER STATION	10,583,257	54,259,224	64,842,481	98,605,238	1,857,876,362	22.30	
21	BARISHAL DIESEL POWER STATION	7,188,628	36,855,322	44,043,950	56,031,255	122,364,632	62.24	
22	THAKURGOAN DIESEL GENERATOR	-	-	-	-	-	-	
23	DGD, Dhaka	-	-	-	16,015,828	17,851,300	-	
	Total Diesel	125,239,688	642,090,436	767,330,124	1,286,283,439	7,356,412,072	24.43	
24	BARAPUKURIA POWER STATION	95,027,331	405,995,774	501,023,105	1,115,600,768	3,897,502,709	3.78	
	Total Coal	95,027,331	405,995,774	501,023,105	1,115,600,768	3,897,502,709	3.78	
	Grand Total	912,382,750	4,596,489,272	5,508,872,022	8,647,977,417	26,263,634,237	2.50	



Journalists a workshop organised by BPDB on "Power Sector Development and Mass Media"



Closing ceremony of the workshop

FINANCING AND OTHER CHARGES

It includes interest expenses on all loans and borrowings against projects in operation.

Loan category wise break up of this item is given below :

Particulars	2009-2010	2008-2009
Interest on Foreign Loan (Code-671)	668,820,135	777,232,048
Interest on Government Loan (Code-672)	799,439,901	809,654,445
Interest on Budgetary Support From Govt. (Code-672a)	601,402,627	322,394,573
Interest on GPF & CPF (Code-675)	212,841,742	177,646,766
	2,282,504,405	2,086,927,832

Note : Interest on Foreign Loan for completed Projects. Details have been shown in Note-22.
Interest on Govt. Loan for completed Projects. Details have been shown in Note-21.

LOSS DUE TO EXCHANGE RATE FLUCTUATION

Generation, Distribution and Miscellaneous wise ERF is shown below :

Particulars	2009-2010	2008-2009
Generation	148,220,443	53,697,896
Distribution	(23,857,215)	(354,889,710)
Miscellaneous	(27,916,727)	(33,319,108)
	96,446,501	(334,510,922)

Project wise detail calculation is shown in not -22

CONSOLIDATED SHEDULE OF EXPENSES

Code No.	Head of Accounts	Generation Exp	Transmission Exp.	Distribution Exp	Customers Accounts Exp	Total General & Administrative Exp	Total Expenses 2009-2010	Total 2008-09
	Fuel Consumption	16,364,278,447	-	-	-	-	16,364,278,447	18,232,707,131
	Personnel Expenses	2,002,312,609	-	1,463,637,269	184,205,899	718,954,513	4,369,110,289	3,680,231,707
	Office & Other Expenses	322,073,863	-	379,953,434	71,951,585	155,491,039	929,469,921	772,600,368
	Repairs & Maintenance	1,251,378,372	-	570,066,527	19,304,878	164,866,230	2,005,616,007	1,909,791,794
	Depreciation	5,093,469,112	-	2,276,841,749	-	96,526,162	7,466,837,023	7,379,086,209
	Bad debts	-	-	-	33,138,994	-	33,138,994	45,919,505
	Transmission Charge to PGCB	-	1,139,551,368	-	-	-	1,139,551,368	1,312,524,685
	Electricity Purchase From IPP	25,279,990,354	-	-	-	-	25,279,990,354	23,849,306,520
	Electricity Purchase From Rental	9,637,677,734	-	-	-	-	9,637,677,734	6,978,799,252
	Electricity Purchase From Public Plant	7,895,935,963	-	-	-	-	7,895,935,963	5,990,340,782
	Provision for Assets Insurance Fund	-	-	-	-	-	15,000,000	15,000,000
	Total	67,847,116,453	1,139,551,368	4,690,498,978	308,601,356	1,135,837,945	75,136,606,100	70,166,307,953

COMPARISON OF REVENUE AND EXPENSES WITH LAST YEAR

PARTICULARS	Actual FY 2009-2010	Actual FY 2008-2009	Increase/ Decrease	Favorable/ Adverse
OPERATING REVENUE				
ENERGY SALES	68,424,207,595	61,519,289,231	11.22%	F
OTHER OPERATING INCOME	2,733,763,861	2,113,370,816	29.36%	F
	71,157,971,456	63,632,660,046	11.83%	F
OPERATING EXPENSES				
GENERATION EXPENSES	25,033,512,402	25,848,023,771	-3.15%	F
ELECTRICITY PURCHASE FROM IPP	25,279,990,354	23,849,306,520	6.00%	A
ELECTRICITY PURCHASE FROM RENTAL	9,637,677,734	6,978,799,252	38.10%	A
ELECTRICITY PURCHASE FROM GENERAL PLAN	7,895,935,963	5,990,340,782	31.81%	A
TRANSMISSION EXPENSES	1,139,551,368	1,312,524,685	-13.18%	A
DISTRIBUTION EXPENSES	4,690,498,978	4,749,752,429	-1.25%	F
CUSTOMER ACCOUNTS EXPENSES	308,601,356	358,775,042	-13.98%	F
GENERAL & ADMINISTRATIVE EXPENSES	1,135,837,945	1,063,785,471	6.77%	A
	75,121,606,100	70,151,307,953	7.09%	A
OPERATING INCOME / (LOSS)	(3,963,634,644)	(6,518,647,907)	-39.20%	F
PROVISION FOR ASSETS INSURANCE FUND	15,000,000	15,000,000	0.00%	
FINANCING & OTHER CHARGES	2,282,504,405	2,086,927,832	9.37%	A
NET INCOME / (LOSS) BEFORE CHARGING ERF	(6,261,139,049)	(8,620,575,739)	-27.37%	F
LOSS DUE TO EXCHANGE RATE FLUCTUATION	(96,446,501)	334,510,922	-128.83%	A
NET INCOME / (LOSS) FOR THE YEAR	(6,357,585,550)	(8,286,064,817)	-23.27%	F

COMPARATIVE INCOME STATEMENT

PARTICULARS	Actual FY 2009-2010	Actual FY 2008-2009	Increase/ Decrease	Favorable/ Adverse
OPERATING REVENUE				
Electricity Sales	68,424,207,595	61,519,289,231	11.22%	F
Other Operating Income	2,733,763,861	2,113,370,816	29.36%	F
	71,157,971,456	63,632,660,046	11.83%	F
OPERATING EXPENSES				
Ful cost	16,364,278,447	18,232,707,131	-10.25%	F
Electricity Purchase From Ipp	25,279,990,354	23,849,306,520	6.00%	A
Electricity Purchase From Rental	9,637,677,734	6,978,799,252	38.10%	A
Electricity Purchase From General Plan	7,895,935,963	5,990,340,782	31.81%	A
Depreciation	7,466,837,023	7,379,086,209	1.19%	A
Repair & Maintenance	2,038,755,001	1,955,711,299	4.25%	A
Personnel Expenses	4,369,110,289	3,680,231,707	18.72%	A
Office and Administrative Expenses	929,469,921	772,600,368	20.30%	A
Transmission charge paid to PGCB	1,139,551,368	1,312,524,685	-13.18%	F
Total Operating Expenses	75,121,606,100	70,151,307,953	7.09%	A
Operating Income / (Loss)	(3,963,634,644)	(6,518,647,907)	-39.20%	F
NON - OPERATING EXPENSES				
Assets Insurance Fund	15,000,000	15,000,000	0.00%	
Interest on Loans	2,282,504,405	2,086,927,832	9.37%	A
Loss Due To Exchange Rate Fluctuation	(96,446,501)	(334,510,922)	-128.83%	A
Net Non - Operating Expenses	(2,393,950,906)	1,767,416,910	35.45%	F
Net Income / (Loss)	(6,357,585,550)	(8,286,064,817)	-23.27%	F

PERSONNEL EXPENSES

Code No.	Head of Accounts	Generation Expenses	Transmission Expenses	Distribution Expenses	Customers Accounts Expenses	Total General & Administrative Expenses	Total Expenses 2009-2010
0.20	Pay of Officers	139,862,024	-	133,099,152	16,477,990	145,408,206	434,847,373
0.21	Pay of Staff	267,040,984	-	417,227,292	18,533,196	158,450,837	861,252,309
0.22	Allowances of Officers	54,673,868	-	44,437,943	4,775,362	43,355,091	147,242,264
0.23	Allowances of Staff	128,888,807	-	187,717,377	7,814,103	66,662,591	391,082,878
0.24	Leave Encashment	2,379,939	-	4,218,172	193,435	2,700,394	9,491,940
0.25	Overtime Allowances (Single Rate)	28,560,884	-	44,568,156	2,173,741	18,200,690	93,503,471
25a	Overtime Allowances (Double Rate)	157,778,195	-	188,338,642	4,575,856	40,841,314	391,534,008
0.28		-	-	-	-	8,068	8,068
0.29	Medical Expenses	1,042,878	-	252,359	2,676	765,994	2,063,907
0.31	Bonus for Officers	14,678,986	-	15,003,909	1,629,654	15,664,630	46,977,179
31a	Bonus for Staff	31,261,807	-	50,349,862	2,242,640	18,595,120	102,449,428
35b	Employees Electricity Rebate	29,044,307	-	47,521,740	1,877,674	16,667,053	95,110,774
0.50	Workmen Compensation	-	-	-	-	-	-
0.51	Gratuity	-	-	274,396	33,102	-	307,498
0.53	Income Tax of Officers & Staff	7,418,132	-	1,540,446	326,236	4,699,399	13,984,212
0.55	Employees Other Benefit & Welfare Expenses	1,681,141	-	25,977,333	758,000	4,363,513	32,779,988
0.56	Board's Contribution to CPF	4,179,349	-	5,189,007	662,673	-	10,031,030
0.57	Board's Contribution to Pension Fund	978,206,988	-	71,163,661	100,934,929	76,101,691	1,226,407,269
0.58	Leave Encashment on Retirement	14,458,365	-	131,366,081	999,780	20,522,829	167,347,055
0.59	L. Salary & Pension Cont. for Trans. Govt. Employees	-	-	589,098	2,666	-	591,764
0.63	Honorarium	31,987,812	-	19,001,702	3,401,391	35,806,144	90,197,049
0.63A	Honorarium	29,627,548	-	7,178,023	-	5,787,150	42,592,721
0.66	Wages for Hired Labour	79,540,594	-	68,622,917	16,790,796	44,334,754	209,289,061
0.67	Interest on GPF/CPF	-	-	-	-	19,045	19,045
	Total	2,002,312,609	-	1,463,637,269	184,205,899	718,954,513	4,369,110,289

TRANSMISSION EXPENSES

Wheeling Charges paid to PGCB is shown below :

Figures in Crore Taka

Particulars	2009-2010	2008-2009
Wheeling Charges to PGCB	1,139,551,368	1,312,524,685
	1,139,551,368	1,312,524,685

OFFICE & OTHER EXPENSES

Code No.	Head of Accounts	Generation Expenses	Transmission Expenses	Distribution Expenses	Customers Accounts Expenses	Total General & Administrative Expenses	Total Expenses 2009-2010
0.26	Traveling Expenses/ Allowances(For Official)	14,438,058	-	35,576,672	2,219,801	17,947,160	70,181,691
.26a	Traveling Expenses (For Training)	1,518,887	-	190,251	37,402	339,425	2,085,965
0.27	Conveyance Charge	471,188	-	4,266,327	247,483	2,483,340	7,468,338
.29a	Washing Expenses	83,877	-	149,840	2,395	205,476	441,588
0.30	Representation & Entertainment	166,583	-	-	5,758	1,370,241	1,542,582
0.32	Stationary & Printing	6,255,300	-	32,446,908	1,853,722	21,961,845	62,517,774
0.33	Taxes, Licence & Fees	15,859,130	-	36,203,184	230,327	17,379,759	69,672,400
0.34	Office Rent	-	-	4,182,429	18,000	1,885,795	6,086,224
0.35	Water Charges	3,976,886	-	2,188,066	-	2,697,162	8,862,114
.35a	Electric Charges (Own use)	66,647,401	-	72,045,817	701,331	17,388,764	156,783,312
0.36	Uniforms & Liveries	7,569,610	-	7,105,468	273,623	1,546,636	16,495,337
0.37	Post & Telegram	202,700	-	586,548	201,379	1,503,732	2,494,359
.37a	Telephone, Telex & Fax	1,812,387	-	7,416,779	786,030	5,992,841	16,008,037
37b		-	-	-	-	-	-
0.38	Advertising & Promotion	26,748,113	-	30,445,353	30,550	28,766,201	85,990,217
0.39	Audit Fee	-	-	538,810	20,943,876	991,512	22,474,198
.39a	Legal Expenses (Lawyer's Fees & Court Fees)	51,635	-	1,518,885	29,748	4,525,708	6,125,976
0.40	Books & Periodicals	443,588	-	275,774	225,792	703,603	1,648,757
0.45	Custom Duties & Sale Tax	56,273,429	-	30,750,180	-	-	87,023,609
.45a	Vat	44,523,378	-	17,439,969	-	-	61,963,347
0.52	Donation & Contributions	959,280	-	500,627	-	278,364	1,738,271
0.54	Training & Education	77,880	-	71,100	800	7,177,979	7,327,759
0.61	Bank Charge & Commission	73,992,924	-	96,052,448	44,143,568	20,154,520	234,343,459
0.68	Allocation of Gen. Admn. Exp.	-	-	-	-	-	-
0.69	Miscellaneous Expenses	1,630	-	2,000	-	190,975	194,605
	Total	322,073,863	-	379,953,434	71,951,585	155,491,039	929,469,921



Contract signing ceremony between BPDB and AREVA T&D AB for construction of six Sub-stations at different places of the country.

REPAIR & MAINTENANCE EXPENSES

Code No.	Head of Accounts	Generation Expenses	Transmission Expenses	Distribution Expenses	Customers Accounts Expenses	Total General & Administrative Expenses	Total Expenses 2009-2010
0.42	Petrol/ Diesel & Lubricants Used for Transport	20,451,837	-	78,291,473	2,736,036	27,465,305	128,944,651
.42(a)		-	-	4,696,530	-	543	4,697,073
0.43	Petrol/ Diesel & Lubricants Used for Other Equipment	29,891,454	-	129,274	126,743	-	30,147,471
0.44	Store & Spares Used	1,025,656,206	-	200,908,159	1,900,447	5,235,236	1,233,700,048
0.46	Demurrage & Warfront	1,992,444	-	449,699	-	30,420	2,472,563
0.48	Hire of Equipment	-	-	7,360,749	-	-	7,360,749
0.49	Freight & Handling	10,916,666	-	26,784,383	434,592	73,265	38,208,906
0.60	Insurance (For Goods & Property)	14,976,257	-	87,345	5,581,170	34,938	20,679,710
.60a	Insurance (For Transportation Equipment)	1,206,408	-	694,686	188,928	1,809,423	3,899,445
0.64	Contractor's Fees	-	-	21,601,775	158,444	11,613,559	33,373,778
.64a	Contractor's Fees	-	-	1,359,212	-	23,007,133	24,366,345
0.65	Consultants Expenses	32,602,865	-	3,239,090	-	3,414,348	39,256,303
0.70	Land & Land Rights	-	-	-	-	-	-
0.71	Structure & Improvement	32,482,085	-	47,263,607	235,396	38,158,410	118,139,498
0.72	Boiler Plant equipment	5,078,266	-	-	-	-	5,078,266
0.73	Engine & Engine Driven Generators	6,486,651	-	715,906	-	-	7,202,557
0.74	Generator	26,008,430	-	-	-	399,480	26,407,910
0.75	Prime Movers	5,552,175	-	-	-	-	5,552,175
0.76	Accessory elect. equipment	2,298,196	-	-	-	-	2,298,196
0.77	Reservoir, Dams & Waterways	1,237,359	-	-	-	-	1,237,359
0.78	Water Wheels and Turbines	-	-	-	-	-	-
0.79		-	-	6,450	-	-	6,450
0.81	Station Equipment	255,260	-	1,173,586	-	-	1,428,846
0.82	Towers and Fixtures	-	-	-	-	-	-
0.83	Poles & Fixtures	-	-	2,753,431	-	-	2,753,431
0.84	Overhead Conduct & Devices	155,390	-	113,716,710	3,896,554	2,096,468	119,865,122
0.85	Underground Conductors	-	-	-	-	-	-
0.86	Line Transformers	10,360	-	20,995,884	41,336	-	21,047,580
0.87	Street Lighting and Single Systems	14,300	-	54,206	-	13,210	81,716
0.88	Meters	-	-	878,251	1,650	-	879,901
0.89	Transportation Equipment's	10,312,750	-	27,294,175	2,349,575	28,479,405	68,435,905
0.90	Heavy & Other Power Operated Equipment's	1,184,101	-	1,615,420	-	-	2,799,521
0.91	Office furniture & Equipment	708,457	-	1,898,049	1,654,007	22,250,957	26,511,470
0.92		98,610	-	71,044	-	-	169,654
0.93	Tools, Shop and Garage Equipments	-	-	1,233,451	-	504,013	1,737,464
0.94	Laboratory Equipment	-	-	608,779	-	-	608,779
0.95	Stores Equipment	21,801,844	-	403,069	-	280,119	22,485,032
0.96	Fire Fighting Equipment	-	-	-	-	-	-
0.99	Miscellaneous Equipment	-	-	3,782,135	-	-	3,782,135
	Total	1,251,378,372	-	570,066,527	19,304,878	164,866,230	2,005,616,007

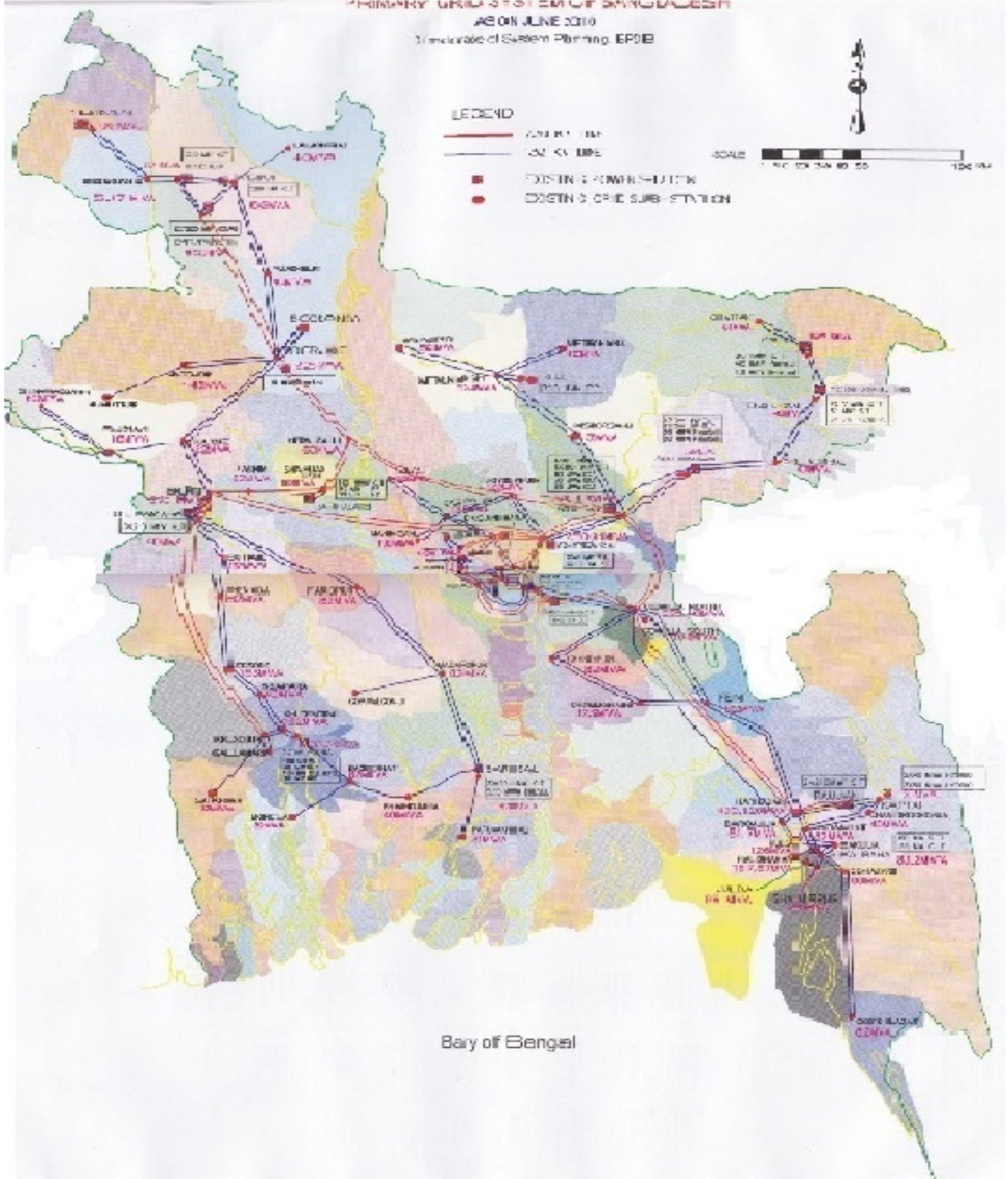


Inaugural Ceremony of Annual Athletic Competition of BPDB



BPDB Chairman A S M Alamgir Kabir visiting the BPDB Stall at an Exhibition organised by Electrical and Electronic Dept. of BUET.

PRIMARY GRID SYSTEM OF BANGLADESH
AS ON JUNE 2010
Incorporated System Planning, EPDB



Prepared by the Directorates of System Planning, Programme, Accounts and O & M
Compiled and Published by the Directorate of Public Relations, BPDB

Web Site: www.bpdb.gov.bd

Date of Publication: February 1, 2011