Annual Report

2017-18

Bangladesh Power Development Board

Bangladesh Power Development Board

Vision

To deliver uninterrupted quality power to all.

Mission

To secure continuous growth of electricity for sustainable development and ensure customer satisfaction.

Objectives

- To be engaged in implementing the development program of the government in the power sector;
- To adopt modern technology and ensure optimum utilization of the primary and alternative source of fuel for sustainable development of power generation projects;
- To purchase power as a Single Buyer from power producers;
- To provide reliable power supply to customers enabling socio economic development;
- To promote a work culture, team spirit and inventiveness to overcome challenges;
- To promote ideas, talent and value systems for employees.

From the desk of Chairman

The Annual Report for the Fiscal 2017-2018 of Bangladesh Power Development Board (BPDB), the leading power sector utility of the country is going to be published. In its long 46 years journey after disintegration from WAPDA in 1972, BPDB has been able to stand strongly facing all ups and downs.

In the last one decade country had witnessed tremendous success in power sector and BPDB led the journey from the front. Power sector also played the key role in achieving GDP growth of the country over 7% in the last couple of years.

Beside own generation, as a single buyer BPDB has been managing a substantial amount of electricity, generated by government own companies and private power producers.

The Annual Report depicts the operational and financial performance. We are pleased with operational and financial management, sustainability initiatives and governance practices in last financial year. During the year, inspiring progress was made in power generation. 2817 MW new generation capacity was added to national grid raising the total generation capacity to 15,953 MW. In the year under review highest peak generation was 10,958 MW and the total energy generation was 62,678 GWh which was 15.6% and 9.43% higher than the previous year respectively. BPDB also made a great progress in reducing distribution system loss during the year under report. BPDB's distribution system loss during the said year came down to 9.89% from 10.92% of previous year.

Already 91% of total population of the country has come under electricity coverage which was 83% in last year. This is a mark of rapid progress towards becoming a 100% electrified country soon.

As a front line power sector utility BPDB is also determined to implement the vision, mission and objectives of the organisation. BPDB is doing utmost to achieve the goal of providing uninterrupted, quality and reliable power to all citizen of the country by 2021.

I hope this annual report will be useful to them who are interested in power sector development and development of the country as a whole.

Khaled Mahmood
Chairman
Bangladesh Power Development Board

Hon'ble Prime Minister Sheikh Hasina inaugurating Shikalbaha 225 MW, Chapainababganj 100 MW, Sharishabari 3 MW Solar, Sullah 400 kW Solar Power Plant and 100% electrification of 10 Upazila through video conference

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Present Board

(October, 2018)

Khaled Mahmood
Chairman

Md. Zahurul Haque
Member (Administration)

Selim Abed
Member (Finance)

Md. Azharul Islam
Member (P & D)

Md. Mustafizur Rahman
Member (Company Affairs)

Sayeed Ahmed
Member (Generation)

Md. Abu Taher
Member (Distribution)

About BPDB

Bangladesh Power Development Board (BPDB) is a statutory body created in May 31, 1972 by Presidential Order No. 59 after bifurcation of erstwhile Bangladesh Water and Power Development Authority. BPDB had started its operation with generation capacity of only 500 MW. In its 46 years' service, the installed capacity of the country increased to 15,953 MW at the end of the FY 2017-2018.

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

- Ashuganj Power Station Company Ltd. (APSCL)
- Electricity Generation Company of Bangladesh Ltd. (EGCB)
- North West Power Generation Company Ltd. (NWPGCL)
- Power Grid Company of Bangladesh Ltd. (PGCB)
- West Zone Power Distribution Company Ltd. (WZPDCL)
- Northern Electricity Supply company Ltd. (NESCO)

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

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

BPDB prepared generation expansion plan to add about 14,956 MW from 2018 to 2021 to achieve generation capacity 24,000 MW by 2021 with the aim to provide quality and reliable electricity to the all people across the country for desired economic growth and social development. BPDB also prepared distribution expansion plan to keep pace with the growing demand.

During the Financial Year under report (2017-18) Chairman and Members of the Board:

Chairman

Mr. Khaled Mahmood

Member (Administration)

Mr. Md. Zahurul Haque

Member (Finance)

Mr. Pronob Kumar Ghosh (Upto 22.10.17)

Mr. Md. Zahurul Haque (From 23.10.17 to 17.01.18)

Mr. Selim Abed (From 17.01.18)

Member (Generation)

Mr. Abul Baser Khan (Upto 02.12.17)

Mr. Md. Mustafizur Rahman (From 03.12.17 to 06.12.17)

Mr. Sayeed Ahmed (From 07.12.17)

Member (Distribution)

Mr. Md. Fakhruzzaman

Member (Planing & Development)

Mr. Md. Azharul Islam

Member (Company Affairs)

Mr. Md. Mustafizur Rahman

HIGHLIGHTS

Power sector witnessed significant progress in power generation in the fiscal year 2017-18. During this fiscal year 2,817 MW new capacity added which raised the total generation capacity to 15,953 MW and annual increment of generation capacity was 17.69% Out of this new capacity addition, BPDB installed 2,248 MW (including contracted capacity of IPPs and power import) and the remaining 352 MW was installed by NWPGCL, 217 MW was installed by EGCB . The highest peak generation was 10,958 MW and the total energy generated 62,678 GWh which was 15.60% and 9.43% higher than the previous year respectively. Despite increasing electricity demand, average load shedding came down at a tolerable limit.

Electricity Demand growing day by day. In order to mitigate the demand-supply gap, an aggressive plan is prepared by the Government for new generation addition. As part of the plan, 55 power generation projects of capacity 13,985 MW are now under construction. The plan envisages around 14,956 MW new generation addition by 2021.

Gas based power generation increased to 7% from previous year. Power generation from liquid fuel increased by 64% .

In this fiscal year, BPDB sold bulk energy of 59,221 GWh to the distribution utilities including BPDB zones as single buyer which was 9.84% higher than the previous year. Retail sales of BPDB's Four distribution zones was 9,694 MkWh, which was 3.08% lower than the previous year. Distribution system loss of BPDB's Four zones came down to 9.89% from 10.92% of previous year. Collection/Import (C/I) ratio increased to 92.13% from 89.94%. Per capita generation and consumption (Grid) increased to 382 kWh & 336 kWh from 351 kWh & 308 kWh respectively of previous year.

The net operating loss in the FY 2017-18 increased to 83.54 Billion Taka from 44.35 Billion Taka of previous year. The net loss increased from the previous year mainly due to increased liquid fuel generation specially diesel generation together with substantial fuel price hike in phases over the period.

KEY STATISTICS

S.N.	Particulars	Year 2016-17	Year 2017-18	% Change over the previous year
1	**Installed Capacity of Power Plants as of June (MW):** **a) Public Sector**			
	i) BPDB	4508	5266	16.81
	ii) APSCL	1508	1444	-4.24
	iii) EGCB	622	839	34.89
	iv) RPCL	77	77	0.00
	v) NWPGCL	718	1070	49.03
	vi) BPDB-RPCL JV	149	149	0.00
	b) Private Sector :			
	i) IPP/SIPP	3,232	4,452	37.75
	ii) Rental	1890	1745	-7.67
	c) REB (for PBS's only)	251	251	0.00
	d) Power Import	600	660	10.00
	e) System Total Installed Capacity (MW)	13,555	15,953	17.69
2	Maximum Peak Generation (MW)	9,479	10,958	15.60
3	Maximum Peak Demand (MW)	12,644	14,014	10.84
4	Net Energy generation (GWh):			
	a) i) Public Sectors	26597	31082	16.87
	ii) Private Sectors (IPP, SIPP and Rental)	24094	24931	3.47
	iii) Power Import	4656	4783	2.72
	iv) Total Generation (In account of Single Buyer)	55,347	60,796	9.85
	b) REB (for PBS's only)	1,929	1,882	-2.46
	c) System Total Generation (GWh)	57,276	62,678	9.43
5	Per Unit Generation Cost in Public & Private (Tk/Kwh)	5.24	6.25	19.27
6	a) Fuel Cost for Thermal Plants in Public Sector (MTk)	67960	105709	55.55
	b) Per Unit fuel Cost for thermal Plants (Tk/KWh)	2.76	3.4	23.19
7	Annual Plant Factor of Public Sector's Power Plants (%)	44.25	44.3	0.11
8	System load factor (%)	66.65	63.33	-4.98
9	BPDB's Commercial Activities as Single Buyer :			
	a) Bulk Sales Unit to Utilities (GWh)	53,916	59,221	9.84
	b) Bulk Billing Amount (MTk)	273,351	297,130	8.70
	c) Bulk Collection Amount (MTk)	274,355	293,725	7.06
	d) Accounts Receivables to Utilities (MTk)	101,433	102,581	1.13
10	Transmission Loss (%)	2.71	2.76	1.85
11	Ave. Bulk Electricity Supply cost Taka/kWh	5.70	6.50	14.04
12	BPDB's Commercial Activities with in Distribution Zones :			
	a) Energy Imports for Retail Sale (MKWh)	11,024	10,537	-4.42
	b) Retail Sales Unit (MKWh)	10,002	9,694	-3.08
	c) Retail Billing Amount (MTk)	65,791	65,987	0.30
	d) Retail Collection Amount (MTk)	65,218	66,078	1.32
	e) Accounts Receivables to Retail Consumers (MTk)	13,999	13,440	-3.99
	f) Collection/Bill Ratio (%)	99.13	100.14	1.02
	g) Collection/Import Ratio (%)	89.94	92.13	2.43
	h) Distribution System loss (%)	10.92	9.89	-9.43
13	Transmission and Distribution (T & D) system Loss (%)	12.24	11.87	-3.02
14	Total Number of consumers of BPDB (Nos.)	2,526,682	2,801,951	10.89
15	Total Population in the Country (Million)	163	164	0.61
16	Per capita generation (kWh) (grid)	351	382	8.71
17	Per capita Consumption (kWh) (grid)	308	336	8.96
18	Net profit/(loss) (MTk)	(44,349)	(83,540)	88.37

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

Barapukuria 275 MW Coal Based Power Plant (3rd Unit)

Chapter 1

Overview on BPDB Operation

GENERATION

Electricity Demand

Demand of electricity is increasing rapidly due to enhanced economic activities in the country with sustained GDP growth. At present, growth of demand is about 10% which is expected to be more in coming years. The maximum demand in this fiscal year was 14014 MW (as per PSMP-2010).

Load Factor and Load Management

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

There are some loads in the system which can be avoided or minimized by consumers during peak hour. In order to shift these kinds of loads from peak hour to off-peak hour by introducing some mechanism is termed as load management. From the view point of load management, (i) two-part tariff is introduced for 3-phase consumers (LT & HT) where peak hour price is much higher than the off-peak hour that motivates consumers to avoid or use less in the peak hour; (ii) Market & Shopping malls are kept close after 8.00 PM; (iii) holiday staggering is implemented to keep industries, markets & shopping malls close on area basis holiday marked day; (iv) consumers are encouraged to use energy efficient bulb, electric appliances, pumps, etc; (v) consumers are encouraged to keep their air-conditioner's temperature at 25 degree and so on. These measures also minimize load-shedding across the country.

Generation

Generation Capacity

Total installed capacity was 15,953 MW which includes 4,452 MW IPP/SIPP, 1745 MW Rental Power Plant & 251 MW in REB (for PBS) and 660MW Power Import from India. The maximum peak generation was 10,958 MW which was 15.60% higher than that in the previous year. The reasons for lower peak generation with respect to generation capacity were: (i) some plants are out of operation for maintenance, rehabilitation & overhauling (ii) capacity of some plants derated due to aging and (iii) gas shortage. The Generation Capacity mix is shown below:

Installed Capacity by Plant & Fuel Type

By type of plant		By type of fuel	
Hydro	230 MW (1%)	Gas	9,413 MW (61%)
Steam Turbine	2,404 MW (15%)	Furnace Oil	3,443 MW (22%)
Gas Turbine	1,322 MW (8%)	Diesel	1380 MW (6.49%)
Combined Cycle	5,730 MW (36%)	Power Import	660 MW (4%)
Power Import	660 MW (4%)	Hydro	230 MW (1%)
Reciprocating Engine	5,604 MW (35%)	Coal	524 MW (3%)
Solar PV	3 MW (0%)	Solar PV	3 MW (0%)
Total	**15,953 MW (100%)**	**Total**	**15,953 MW (100%)**

Energy Generation

Total net energy generation in FY 2018 was 62,678 GWh, which was about 9.43% higher than previous year's net generation of 57,276 GWh. Net energy generation in the public sector was 31,082 GWh and 26,813 GWh in the private sector (including REB). Another 4,783 GWh was imported from India through the interconnection in Bheramara and Tripura.

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

Hydro	1024.31 (1.6%)
Natural Gas	39804.20 (63.5%)
Furnace Oil	10849.71 (17.3%)
Diesel	4520.31 (7.2%)
Coal	1692.87 (2.7%)
Renewable Energy	3.79 (0.1%)
Power Import	4782.72 (7.6%)
Total	**62,677.91 (GWh) (100%)**

Plant Efficiency and Maintenance

The overall thermal efficiency (Net) of the public sector power plants in FY 2018 was 37.58% higher than previous year's of 34.58 % efficiency.

Below the list of major power plants were under maintenance in the year under review:

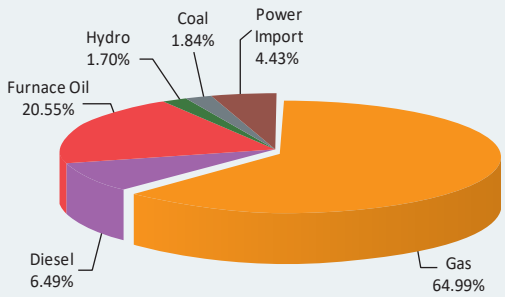
Maintenance of Power Plants In FY 2017-18

Sl. No.	Name of Power Station	Present Capacity (MW)	Type of Maintenance (HGPI/MI/OH)	Duration of Maintenance	
				Starting Date	Completion Date
1.	Baghabari 71 MW /GT	71 MW	OH	1/10/2017	26/11/2017
2.	Sylhet 20 MW GT	20 MW	OH	9/11/2017	05/06/2018
3.	Ghorasal Power plant (5th unit)	210 MW	OH	01/10/2016	22/11/2017

Joint Venture Agreement Signing Ceremony between BPDB and CHDHK for establishing 1320 MW Coal Based Power Plant at Maheskhali

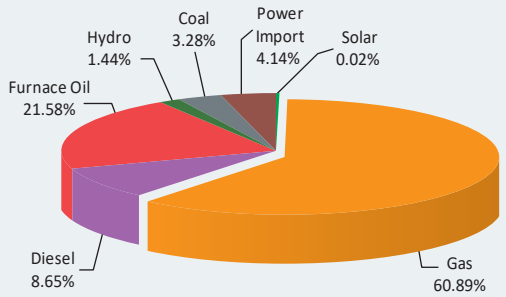
Installed Capacity (National) By Fuel Type With Comparison

(FY 2017)



Total : 13,555 MW

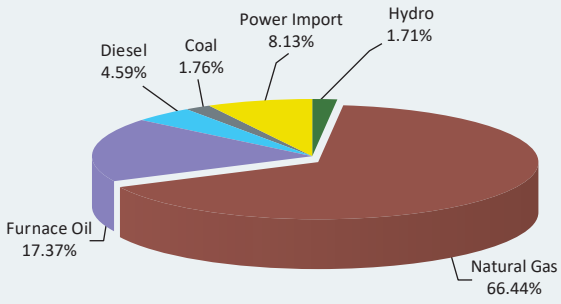
(FY 2018)



Total : 15,953 MW

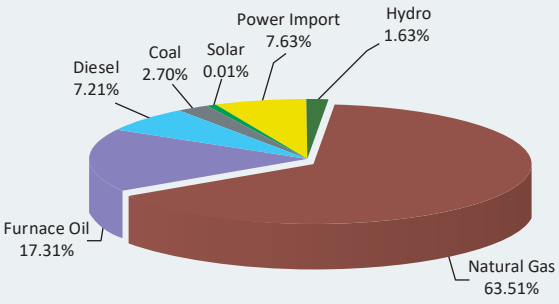
Total Net Generation (National) By Fuel

(FY 2016-17)



Total Net Generation : 57,276 MkWh

(FY 2017-18)



Total Net Generation : 62,678 MkWh

TRANSMISSION

Transmission Line

During fiscal year 2017-18, very significant transmission components have been added to the system because of the completion of different project works. Ttransmission line length (ckt. km) has enlarged by 7% than that of previous year. The line details are as below:

S.N.	Transmission Line	Conductor Name & Size	Length (Circuit km.)
1.	Ashuganj(N)-Bhulta 400kV Double Circuit Line	Twin Finch 1113 MCM	138.00 ckt. km
2.	LILO of Ghorashal-Rampura 230kV double circuit at Bhulta	Twin Mallard 2x795 MCM	3.84 ckt. km
3.	LILO of Haripur-Rampura 230kV double circuit at Bhulta	Twin Mallard 2x795 MCM	10.49 ckt. km
4.	Haripur-Siddhirganj 230kV double circuit Line	Twin Mallard 2x795 MCM	3.30 ckt. km
5.	Tangail-RPCL 132kV Double Circuit Line	Grosbeak 636 MCM	186.88 ckt. km
6.	Amnura-Chapai Nawabganj 132kV Single Circuit Line	Grosbeak 636 MCM	12.6 ckt. km
7.	Kaliakoir-Dhamrai 132kV Double Circuit Line	Grosbeak 636 MCM	45.46 ckt. km
8.	Rangamati-Khagrachari 132kV Double Circuit Line	Grosbeak 636 MCM	104.6 ckt. km
9.	Chandraghona-Rangamati 132kV Double Circuit Line	Grosbeak 636 MCM	55.4 ckt. km
10.	Chhatak-Sunamganj 132kV Double Circuit Line	Grosbeak 636 MCM	64.1 ckt. km
11.	Beanibazar-Sylhet T-Connection 132kV Double Circuit Line	Grosbeak 636 MCM	60 ckt. km
12.	LILO of Tongi-Mirpur Single circuit at Uttara 3rd Phase (DESCO)	XLPE 800 sq.mm	2.2 ckt. km
Total			**686.87 ckt.km**

Total length of 400KV transmission line increased to 697.76 circuit km from the previous year of 559.76 circuit km and 230 kV transmission line increased to 3343 circuit km from the previous year of 3325 circuit km. The total length of 132 kV transmission line increased to 7082 circuit km from the previous year of 6551 circuit km.

Grid Sub-stations

During fiscal year 2017-18, very significant transmission components have been added to the system because of the completion of different project works. The transformer capacity at the end of year 2017-18 has enlarged by 7% at difference voltage level. The substations capacity details are as below:

A. New Sub-stations

S.N.	Name of Substation	Transformer Capacity
1.	Bhulta 400/230kV Grid Substation	2x520 MVA
2.	Ashuganj (N) 400/230kV (APSCL) Grid Substation	2x244/325 MVA
3.	Beanibazar 132/33kV Grid Substation	2x50/75 MVA
4.	Dhamrai 132/33kV Grid Substation	2x50/75 MVA
5.	Khagrachari 132/33kV Grid Substation	2x30/39 MVA
6.	KYCR 132/33kV Grid Substation (Private)	1x20/25 MVA
7.	Ramganj 132/33kV Grid Substation	1x50/75 MVA
8.	Sunamganj 132/33kV Grid Substation	2x30/39 MVA
9.	Uttara 3P 132/33kV Grid Substation (DESCO)	2x80/120 MVA

B. Augmentation of Existing Substation Capacity

S.N.	Name of Substation	Augmentation Capacity
1.	Barapukuria 230/132kV	300 MVA
2.	Bogura 230/132kV	300 MVA
3.	Ashuganj 132/33kV	34 MVA
4.	Bagerhat 132/33kV	75 MVA
5.	Bhulta 132/33kV	115 MVA
6.	Brahmanbaria 132/33kV	79 MVA
7.	Chuadanga 132/33kV	68 MVA
8.	Cumilla (S) 132/33kV	68 MVA
9.	Dhanmondi 132/33kV (DPDC)	45 MVA
10.	Faridpur 132/33kV	90 MVA
11.	Goalpara 132/33kV	49 MVA
12.	Gopalganj 132/33kV	79 MVA
13.	Ishwardi 132/33kV	34 MVA
14.	Jhenaidah 132/33kV	79 MVA
15.	Joydevpur 132/33kV	50 MVA
16.	Kabirpur 132/33kV	90 MVA
17.	Kishorganj 132/33kV	21 MVA
18.	Kushtia 132/33kV	45 MVA
19.	Lalmonirhat 132/33kV	55 MVA
20.	Madaripur 132/33kV	34 MVA

S.N.	Name of Substation	Augmentation Capacity
21.	Mymensingh 132/33kV	45 MVA
22.	Naogaon 132/33kV	34 MVA
23.	Natore 132/33kV	34 MVA
24.	Netrokona 132/33kV	42 MVA
25.	Noapara 132/33kV	40 MVA
26.	Palashbari 132/33kV	55 MVA
27.	Patuakhali 132/33kV	110 MVA
28.	Rajshahi 132/33kV	45 MVA
29.	Saidpur 132/33kV	75 MVA
30.	Satkhira 132/33kV	79 MVA
31.	Shahjadpur 132/33kV	60 MVA
32.	Siddhirganj 132/33kV	74.4 MVA
33.	Sirajganj 132/33kV	55 MVA
34.	Sylhet 132/33kV	79 MVA
35.	Thakurgaon 132/33kV	34 MVA

C. Transmission Line Re-conductoring

S.N.	Name of Transmission Line	Quantity (Ckt. Km.)
1.	Fenchuganj-Sylhet	63.4
2.	Kushtia-Bheramara	46
3.	Ashuganj-Kishorganj	52

Transmission Summary

S.N.	Transmission Line Type	Circuit km
01	400 kV Transmission Line	697.76
02	230 kV Transmission Line	3343
03	132 kV Transmission Line	7082
	Total Transmission Line	**11,122**
	Transmission Loss (%)	2.76 %

S. N.	Sub-station Type	No of Substation	Capacity (MVA)
1.	400 kV HVDC Sub-Station (MVA)	1	625
2.	400/230 kV Sub-Station Capacity (MVA)	4	3250
3.	400/132 kV Sub-Station Capacity (MVA)	1	650
4.	230/132 kV Sub-Station Capacity (MVA)	24	11935
5.	132/33 kV Sub-Station Capacity (MVA)	125	20210
	Total	**155**	**36,670**

Grid System Operation

In FY 2018, total duration of Power interruption in the grid network was 82 hours 46 minutes.

INTERRUPTION OF NATIONAL GRID FOR FY 2017 & FY 2018

S.N.	Type of Fault	Total Number of Faults		Total Duration	
		FY 2017	FY 2018	FY 2017 Hours/ Minutes	FY 2018 Hours/ Minutes
1.	Partial Power failure due to trouble in generation	102	227	18/06	1/56
2.	Partial Power failure due to trouble in grid S/S Equipment	10	46	12/47	64/18
3.	Partial Power failure due to fault in transmission line	04	07	07/33	10/13
4.	Partial Power failure due to the lightning on transmission line/Thunder Storm	00	00	00/00	00/00
5.	Partial Grid failure	01	07	00/41	6/19
6.	Total Grid failure	00	00	00/00	00/00
Total		**117**	**287**	**39/07**	**82/46**

Singing of contract between BPDB and Barisal Electric Power Company Ltd.
for establishing 307 MW Power Plant at Barguna

BULK ELECTRICITY SALES BY BPDB

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

Contract Signing Ceremony of 'Conversion of 150 MW Sylhet Gas Turbine to 225 MW Combined Cycle' between BPDB and Shanghai Electric Group Company Ltd

- Dhaka Power Distribution Company (DPDC)
- Dhaka Electric Supply Company (DESCO)
- West Zone Power Distribution Company Limited (WZPDCL)
- Rural Electrification Board (REB)
- Northern Electricity Supply Company Ltd (NESCO)
- BPDB's Four distribution zone

In FY 2017-18 bulk electricity sales to the distribution utilities increased to 59,221 MkWh from 53,916 MkWh which is 9.84% higher than the previous year. Total revenue collection also increased to 2,93,725 MTk from 2,74,355 MTk which is 7.06% higher than the previous year.

Utility Wise Billing & Collection Statistics of BPDB

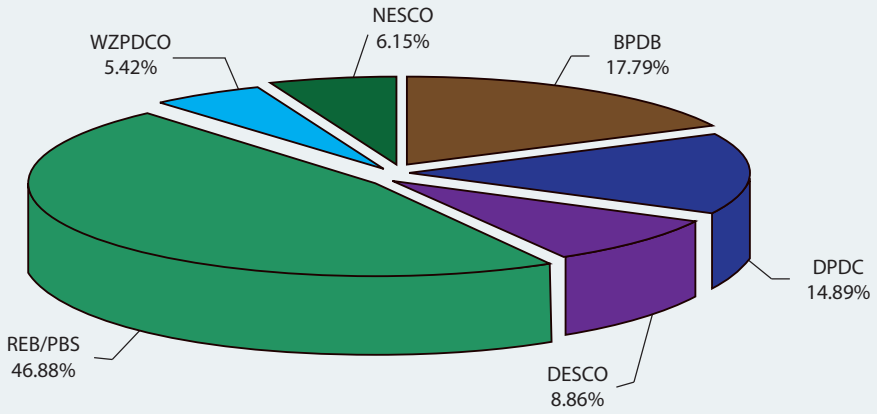
Name of Utility	Billed Amount (Million Tk)		Collected Amount (Million Tk)		Accounts Receivable (Million Tk)			Coll/Bill Ratio (%)	
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	% increase over the previous year	2016-17	2017-18
BPDB's Dist. Zones(in/c PS & GK)	65,791	65,987	65,218	66,078	13,999	13,440	-3.99	99.13	100.14
WZPDCL	14,030	15,256	15,215	15,097	1,361	1,521	11.70	108.45	98.96
DPDC	49,996	52,330	54,900	52,482	56,881	56,729	-0.27	109.81	100.29
DESCO	29,138	31,319	31,821	31,096	6,253	3,031	-51.52	109.21	99.29
REB/PBS's	101,434	114,727	98,954	112.700	20,078	22,161	10.38	97.56	98.23
NESCO	12,962	17,512	8,246	16,272	2,860	5,699	99.23	63.62	92.92
TOTAL	**273,351**	**297,130**	**274,355**	**293.725**	**101,433**	**102,581**	**1.13**	**100.37**	**98.85**

Utility wise Bulk Energy Sales by BPDB As Single Buyer

In GWh

Year	BPDB zones	NESCO	DPDC	DESCO	WZPDCL	REB	Total
2004-05	5,993		5,135	1,843	389	7,039	20,398
2005-06	5,180		5,316	2,030	1,373	8,062	21,961
2006-07	5,305		5,243	2,191	1,282	8,040	22,061
2007-08	5,626		5,204	2,574	1,375	8,655	23,433
2008-09	6,042		5,449	2,743	1,491	9,032	24,757
2009-10	6,744		5,749	2,934	1,673	9,525	26,626
2010-11	7,338		5,964	3,123	1,843	10,359	28,627
2011-12	8,136		6,340	3,401	2,029	12,537	32,443
2012-13	8,737		6,593	3,726	2,187	14,222	35,466
2013-14	9,597		7,038	4,067	2,394	16,161	39,256
2014-15	10,486		7,402	4,320	2,574	17,835	42,616
2015-16	12,159		8,047	4,795	2,843	21,051	48,895
2016-17	11,024	2,486	8,424	4,980	3,013	23,989	53,916
2017-18	10,537	3,645	8,819	5,248	3,208	27,765	59,221

Utility Wise Bulk Sales (FY 2017-18)



Total Sales : 59,221 MkWh

DISTRIBUTION

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

- Distribution zone, Chattogram
- Distribution zone, Cumilla
- Distribution zone, Mymensing
- Distribution zone, Sylhet

Distribution network

In the FY 2017-18, BPDB has extended about 247 km distribution lines as a part of continuous improvement of the system. BPDB covers electrification in 175 thanas/upazillas and 4,023 villages within its Four distribution zones up to the end of this fiscal year. The distribution networks possess:

33 kV line	3418 km
11 kV line	9577 km
0.4 kV line	17071 km
33/11 kV Sub-station	132 nos.
Total capacity of 33/11 kV Sub-station	*2863/3698 MVA*

Number of consumers

During this fiscal year, BPDB has provided total 2,75,269 new connections and the total number of consumers has been increased to 28,01,951 and the annual increment was 9.73%.

Distribution system loss

BPDB's distribution zones imported 10,537 MkWh energy from the single buyer for retail sale in its four zones and sold 9,694 MkWh to the consumers in the FY 2018 that results 8.00% distribution system loss which was 9.27% in FY 2017.

Customer's service & satisfaction

BPDB has introduced following services for customer satisfaction:

- Computerized billing and Remote billing system
- One stop service
- Pre payment metering
- Easy Bill Pay
- Demand side management
- Online application
- Supervisory Control And Data Acquisition (SCADA) System

Computerized and Remote Billing system

BPDB has brought sent percent consumers in computerized billing system in its four distribution zones. Each computerized bill shows present month's billing amount along with previous month's payment and arrear status for consumers' acknowledgement. It improves billing system, revenue collection, decreases system loss and ensures better service to the consumers than the previous manual one. BPDB also brought remote meter reading system feature for large consumer. In this feature meter reading of consumer automatically update in billing server and generate bill for consumer.

Easy bill pay

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

Name of Zone	Mobile Phone Operator
Chattogram	Grameen phone
Mymensingh	Banglalink
Cumilla	Robi
Sylhet	Grameen phone

One stop service

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

Online application

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

Pre-payment metering

Every electricity distribution company of Bangladesh has the directions from Honorable Prime Minister, State Minister for Power and Secretary, Power Division, to transform all consumers' meters into pre-paid meters by 2021. The number of consumers of the Bangladesh Power Development Board is approximately 27 Lac. As of 9% growth, there will be approximately 35,75,500 nos. consumer in 4 zones by December / 2021. Meanwhile, agreement has been signed to install 11,437,377 nos. pre-paid meter in which 8,74,890 nos. pre-paid meter have been installed. BPDB has a Plan to install pre-paid meter for the total 24,75,500 nos. consumer in future. The main Advantages of prepaid meter is:

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

SCADA

Supervisory Control And Data Acquisition (SCADA) has started functioning within the Four zones of BPDB (Chattogram, Sylhet, Mymenshing & Cumilla) for system control and data acquisition of the distribution system/networks under it from one point of each zone through microwave link. Provided that 34 sub-stations within Chattogram zone, 18 sub-stations within Sylhet zone, 17 sub-stations within Mymenshing zone, 10 sub-stations within Cumilla zone are connected under the SCADA of respective zone.

BPDB also has a plan to set up one SCADA in Dhaka to monitor/control all SCADA of BPDB centrally. Key functions of SCADA are:

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

Demand side management

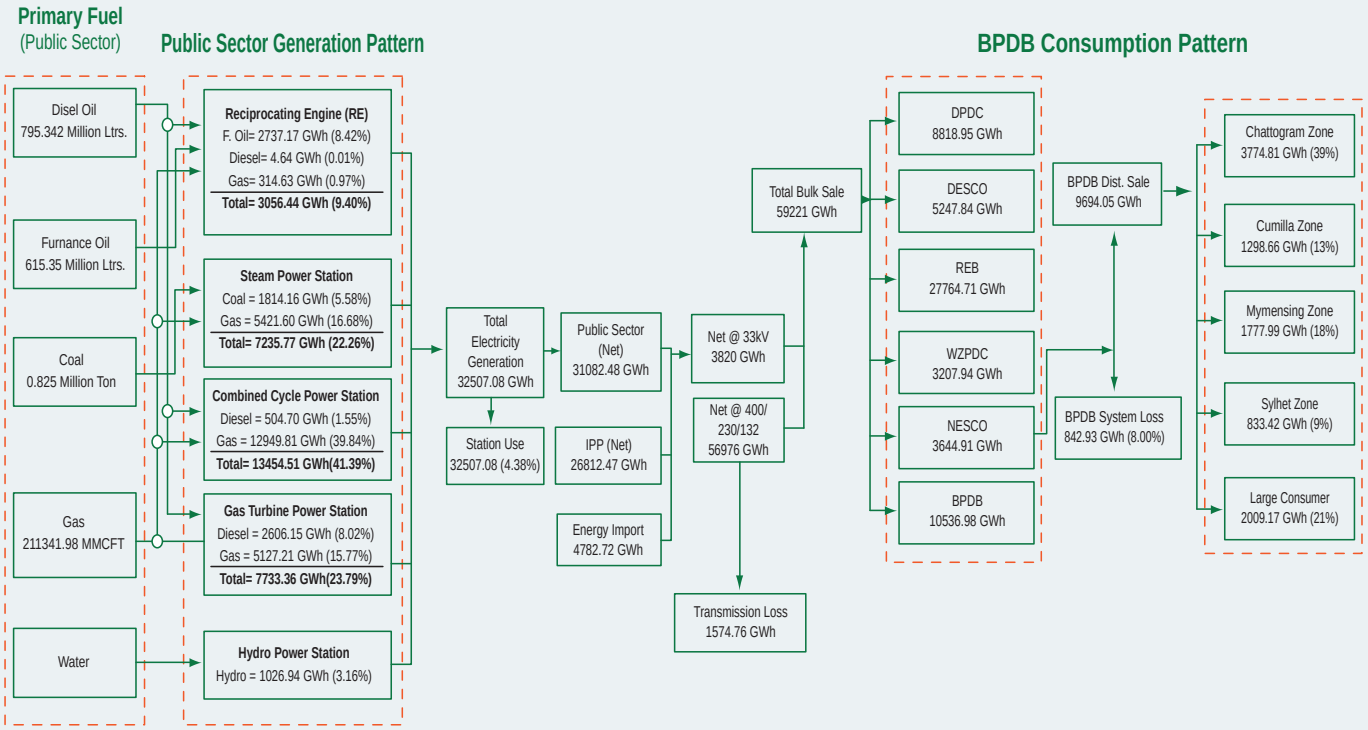
Demand-side management (DSM) means modifying energy use to maximize energy efficiency. DSM tries to get maximum benefit out of existing energy generation. DSM involves changing energy use habits of consumers and encouraging them for using energy efficient appliances, equipment etc. at their premises.

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

- To shift irrigation load from peak hour to off peak hour, BPDB has started campaign through electronic and print media. In the last few years, it is estimated that about 500 MW irrigation load was shifted from peak hour to off peak hour.
- BPDB has taken motivational programs to enhance awareness of the consumers during peak hours. Consumers are being urged through electronic and print media to be rational and economical in electricity use during peak hour by switching off unnecessary loads like extra lighting, ironing, pumps, air conditioners, welding machines etc.
- As part of demand side management program, BPDB has taken steps to use CFL in BPDB's offices and also trying to motivate consumers to use Energy efficient lamps.
- Industries operating in two shifts are being requested not to operate during peak hours.
- Holiday staggering for industries has been implemented, which contributes about 200 MW load shifting.
- Load Management Committee has been formed in every distribution zone/circle/division to monitor the proper load distribution during irrigation.
- As part of DSM, BPDB is monitoring shop/market closure time at 8 p.m. It is estimated that this measure contributes about 400 MW load shifting from peak hour, there by reduces load shedding.

Inauguration of Central Complaint and Consumer Service Center at Bidyut Bhaban by Chairman BPDB Engr. Khaled Mahmood

ENERGY FLOW CHART
(FY 2017-18)



Chapter 2

Power Sector Development Plan

Power Sector of Bangladesh

Power Sector Scenario

Electricity plays the most basic role in the economic growth through sustainable structure as well as poverty eradication and security of any country. Reliable electricity supply is a vital issue for the world today. Future economic growth crucially depends on the long-term availability of electricity, which are affordable, available and environmentally friendly. Security, climate change, and public health are closely interrelated with electricity. In line with this aspect, Bangladesh Government designed an extensive power generation plan to create sustainable growth of power sector and for overall development of the country economy.

Present installed generation capacity in public, private & import sector is 15,953 MW. Out of this, public sector possesses 8,845 MW (56%) & import 660MW (4%). Electricity demand is increasing whereas the available generation also increases against with demand. In the public sector, a number of generation units have become very old and has been operating at a reduced capacity. Moreover, most of the existing power plants are gas based. Due to shortage of gas supply, some power plants are unable to reach their usual generation capability. Up to date, maximum generation achieved is 10,958 MW on May 28, 2018. At present, 90% of the total population has access to electricity and per capita generation has increased to 464 kWh (including captive). Now Bangladesh has shown implausible achievement in power sector. The target of the government has been implemented successfully and has even been able to achieve the higher level of growth economic growth.

Long Term Power Generation Plan

- A long-term plan of electricity generation against the demand up to 2030 has been incorporated in the PSMP 2010. Under the plan, generation capacity requirement in 2021 will be 24,000 MW against the demand of 20,000 MW and in 2030 generation capacity will be 40,000 MW against the demand of 33,000 MW. Around 50 % power will be generated from the domestic and imported coal and 23 % will be generated from Gas /LNG out of the total generation capacity 40,000 MW in 2030.
- The PSMP is updated after each and every 5 years due to change of planning perspective. As per planning perspective, PSMP- 2016 has been compiled including the strategy of diversifying primary fuel supply. The plan period of this study is 2016-2041. This master plan has been published soon after the approval of the government. The plan will be implemented to reach the middle income and develop country.

Implementation Status of Power Generation Plan up to 2021

Till now, generation from gas is much higher than compare to other fuel like hydro, coal. For this reason, government has taken strategic decision to diversify primary fuel supply for power generation. In line with this strategy, a sustainable long-term power development plan has been prepared for mitigation the growing demand to reach the generation capacity 24000 MW by 2021. Under this plan, the coal (indigenous or imported), imported power from neighboring countries, the limited domestic gas, nuclear power and LNG , renewable will be used for power generation. Government has also taken energy efficiency and conservation program for reduction of the growing power demand.

Revised generation expansion plan updated in August 2018 targeting about 15,000 MW generation additions from 2017 to 2021 is provided in a table below:

Year wise generation projects to be completed (From 2018 to 2021)

Year	2018 (MW)	2019 (MW)	2020 (MW)	2021 (MW)	Total
Public	1746	2451	1030	2080	7,307
Private	2225	2814	55	1901	6,995
Power Import	500		340		840
Total	**4,471**	**5,265**	**1,425**	**3,981**	**15,142**

Under Construction and Tendering Process Projects

Under this above plan, 55 projects of capacity 13,654 MW are now under construction stage. 23 projects of capacity 7,461 MW are now in the various stages of procurement process. These projects will be signed contract in phase. The under construction and tendering process projects will be implemented in phase during the period 2017-2025.

Under Construction Projects

S.N.	Description	No. of Projects	Capacity (MW)
01.	IPP	40	7,148
02.	Private Sector	15	6,506
	Total	**55**	**13,654**

Projects under Tendering Process

SN	Type of Power Plant	Power Plant No	Installed Capacity (MW)
01.	Private	18	4,681
02.	Public	5	2,780
	Total	**23**	**7,461**

Transmission & Distribution System

Transmission of generated power from power plants to the load centers and then distribution to the end users must be ensured to achieve the real benefits out of above generation expansion program. At present, a total 11,153 km (Circuit Km) transmission lines and 4,66,000 Km distribution lines have been connected to power system network.

Bangladesh-India Regional Grid first Interconnection project has already been established and now 1000 MW power is being imported through this line. 100 MW power is being imported Tripura, India to Cumilla from 2016, another 60 MW power is being imported from same point from July/2017 and another 340 MW power will be imported from the same point by 2020. Another 1496 MW electricity plan to import from Jharkhand, India by 2022.

To strengthen transmission & distribution system, plans are being prepared to construct 10,000 ckt km transmission line, 60,170 MVA capacity-based grid sub-station, 481 thousand km new distribution line and related distribution substation by 2021.

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

A total of 14 generations, 10 distributions, 3 self-financing projects were undertaken in the Revised Annual Development Program (RADP) in the FY2017-18. Original Allocation, Revised Allocation & Expenditure incurred (provisional) in the FY2017-18 are shown in the following table.

(Taka in lakh)

Sub-sector	Original ADP FY 2017-18			Revised ADP FY 2017-18			Expenditure incurred FY 2017-18		
	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign
Generation	387973	79803	308170	464391	186426	277965	479743	186424	293319
Transmission	-	-	-	-	-	-	-	-	-
Distribution	81010	68010	13000	73100	67981	5119	73514	67976	5538
TAPP	400	00	400	200	00	200	200	00	200
Total	**468983**	**147813**	**321170**	**537491**	**254407**	**283084**	**553257**	**254400**	**298858**

Self-Financial Project Allocation: FY 2017-18

Sub-sector	Original ADP FY 2017-18			Revised ADP FY 2017-18			Expenditure incurred FY 2017-18		
	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign
Generation	**10215**	**10215**	**00**	**24284**	**24284**	**00**	**26120**	**26120**	**00**

Year wise commissioning status of generation projects

Projects commissioned in 2010

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

Projects commissioned in 2011

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

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Private Sector				
1.	Siddhirganj *(Sponsor: Desh Energy)*	100	Rental (BPDB)	Diesel	17.02.2011
2.	B Baria *(Sponsor: Aggreko)*	70	Rental (BPDB)	Gas	06.03.2011
3.	Madanganj *(Sponsor: Summit Power)*	102	Rental (BPDB)	HFO	01.04.2011
4.	Meghnaghat *(Sponsor: IEL)*	100	Rental (BPDB)	HFO	08.05.2011
5.	Ghorashal *(Sponsor: Max Power)*	78	Rental (BPDB)	Gas	27.05.2011
6.	Nowapara *(Sponsor: Khan Jahan Ali)*	40	Rental (BPDB)	HFO	28.05.2011
7.	Ashuganj *(Sponsor: Aggreko)*	80	Rental (BPDB)	Gas	31.05.2011
8.	Khulna *(Sponsor: KPCL)*	115	Rental (BPDB)	HFO	01.06.2011
9.	Ashuganj *(Sponsor: United Power)*	53	Rental (BPDB)	Gas	22.06.2011
10.	Siddhirganj *(Sponsor: Dutch Bangla Power)*	100	Rental (BPDB)	HFO	21.07.2011
11.	Noapara, Jessore (5 Years Rental)	105	Rental (BPDB)	HFO	26.08.2011
12.	Bogura 3 Years Rental *(Sponsor: Energy Prima)*	20	Rental (BPDB)	Gas	13.11.2011
Sub Total (Private)		**963**			
Total		**1763**			

Projects commissioned in 2012

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

Projects commissioned in 2013

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Raujan 25 MW PP	25	RPCL	Gas/HFO	3 May, 2013
2.	Khulna 150 MW GT	150	NWPGCL	Gas/HSD	23 September, 2013
3.	Haripur 360 MW CCPP	412	EGCB	Gas	December, 2013
Sub Total (Public)		**587**			
	Private Sector				
1.	Regional Import	500	Import		October, 2013
2.	Ashuganj 51 MW PP	51	IPP	Gas	6 December, 2013
3.	Shajanullah Power Company	25	IPP	Gas	December, 2013
Sub Total (Private)		**576**			
Total		**1163**			

Projects commissioned in 2014

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Sirajganj 150 MW PP Conversion	68	NWPGCL	Gas/HSD	14 July, 2014
Sub Total (Public)		**68**			
	Private Sector				
1.	Natore, Rajshahi 50 MW PP	52	IPP	HFO	24 January, 2014
2.	Baraka-Patenga Chattogram 50 MW PP	50	IPP	HFO	03 May, 2014
3.	Meghnaghat 300-450 MW CCPP (2nd Unit Dual Fuel: SC GT Unit)	203	IPP	HFO/Gas	29 May, 2014
4.	Gogonnagar 100 MW PP	102	IPP	HFO	03 June, 2014
5.	Ghorashal, Narsindi 100 MW PP	108	IPP	Gas	15 July, 2014
6.	Cumilla (Jangalia) 50 MW PP	52	IPP	HFO	28 December, 2014
Sub Total (Private)		**567**			
Total		**635**			

Projects commissioned in 2015

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Ashuganj 225 MW CCPP : SC GT Unit	142	APSCL	Gas	27 April, 2015
2.	Kodda, Gazipur 150 MW Power Plant	149	BPDB- RPCL JV	HFO/Gas	16 August, 2015
3.	Bhola 225 MW CCPP:	194	BPDB	Gas	2 September , 2015
4.	Ashuganj 225 CCPP: ST Unit	75	APSCL	Gas	10 December, 2015
Sub Total (Public)		**560**			
	Private Sector				
1.	Potiya, Chattogram 108 MW Power Plant	108	IPP	HFO	14 January, 2015
2.	Kathpotti, Munshigonj 50 MW PP	51	IPP	HFO	20 February, 2015
3.	Ashuganj 195 MW Modular PP	195	IPP	Gas	8 May, 2015
4.	Meghnaghat 335 MW CCPP (2nd Unit) : ST Unit	102	IPP	Gas/HSD	1 June, 2015
5.	Bibiana-(II) 341 MW CCPP (Summit): GT Unit	222	IPP	Gas	6 June, 2015
6.	Bibiana-(II) 341 MW CCPP (Summit): ST Unit	119	IPP	Gas	26 December, 2015
Sub Total (Private)		**797**			
Total		**1,357**			

Projects commissioned in 2016

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Up gradation of Khulna 150 MW to 225 MW	72	NWPGCL	Gas/ HSD	28 June, 2016
2.	Ashuganj (South) 450 MW CCPP	373	APSCL	Gas	22 july, 2016
3.	Shahjibazar CCPP	330	BPDB	Gas	GT: 20 August , 2016 ST: 20 December, 2016
	Sub Total (Public)	**775**			
	Private Sector				
1.	Madangonj 55 MW Peaking Plant (Summit Power)	55	IPP	FO	29 February, 2016
2.	Barishal 110 MW PP (Summit Power)	110	IPP	FO	5 April, 2016
3.	Nababgonj 55 MW PP	55	IPP	FO	17 Jun, 2016
4.	Manikganj 55 MW PP	55	IPP	FO	17 August, 2016
5.	Jamalpur 95 MW PP	95	IPP	Gas/ FO	29 November, 2016
Sub Total (Private)		**370**			
Total		**1,145**			

Projects commissioned in 2017

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Bheramara 360 MW CCPP	278	NWPGCL	Gas/ HSD	GT: 9 May, 2017
2.	Ashuganj 450 MW CCPP (South)	360	APSCL	Gas	11 June , 2017
3.	Chapai Nababganj 100 MW PP	104	BPDB	HFO	12 August, 2017
4.	Shikalbaha 225 MW CCPP	225	BPDB	Gas/ HSD	8 November, 2017
Sub Total (Public)		**967**			
	Private Sector				
1.	Bosila, Keraniganj 108 MW PP	108	IPP	HFO	22 February, 2017
2.	Kushiara 163 MW CCPP	109	IPP	Gas	25 July, 2017
3.	SoriShabari Solar plant	3	IPP	Solar	03 August, 2017
Sub Total (Private)		**220**			
Total		**1,187**			

Kodda, Gazipur 300 MW Power Plant

Daudkandi 200 MW Power Plant

Kushiara, Fenchuganj 163 MW Power Plant

Kamalaghat, Munshiganj 54 MW Power Plant

Year wise expected generation projects

Projects to be commissioned in 2018

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
*	Bheramara 360 MW CCPP (ST unit)	132	NWPGCL	Gas/ HSD	1 January, 2018
1	Barapukuria 275 MW (3rd Unit)	274	BPDB	Coal	1 January, 2018
2	Ghorashal 365 MW CCPP	365	BPDB	Gas	05 February, 2018
3	Sirajgonj 225 MW CCPP (2nd Unit)	220	NWPGCL	Gas/ HSD	05 February, 2018
4	Siddhirganj 335 MW CCPP	335	EGCB	Gas	GT:30 April, 2018 ST: December, 2018
5	Sirajgonj 225 MW CCPP (3rd Unit)	141	NWPGCL	Gas/ HSD	9 August, 2018
*	Sirajgonj 225 MW CCPP (3rd Unit)	79	NWPGCL	Gas/ HSD	December,2018
6	Gazipur 100 MW PP	100	RPCL	HFO	December, 2018
7	Bagerhat 100 MW PP	100	NWPGCL	HFO	December, 2018
	Sub Total (Public)	**1,746**			
	Private Sector				
1	Kamalaghat 50 MW PP	54	IPP	HFO	1 January, 2018
2	Noapara 100 MW PP (Bangla Track)	100	IPP	HSD	18 April, 2018
*	Kushiara 163 MW CCPP	54	IPP	Gas	27 April, 2018
3	DaudKandi 200 MW PP	200	IPP	HSD	27 April, 2018
4	Kodda, Gazipur 300 MW PP (Summit)	300	IPP	HFO	10 May, 2018
5	Brahmongaon, Keraniganj 100 MW PP	100	IPP	HSD	30 May, 2018
6	Mymensingh 200 MW PP	200	IPP	HFO	16 June, 2018
7	Aorahati, Keranigonj 100 MW (Aggreko)	100	IPP	HSD	30 June, 2018
8	Kadda 149 MW PP	149	IPP	HFO	12 July, 2018
9	Pangaw, keraniganj 300 MW PP (fast track)	300	IPP	HSD	10 August, 2018
10	Power import (2nd HVDC)	500	IPP	Import	10 September, 2018
11	Labonchora,Khulna 105 MW PP(Orion)	105	IPP	HFO	September, 2018
12	Bogura 113 MW PP (Confidence)(Unit-2)	113	IPP	HFO	October, 2018
13	Ashuganj 150 MW PP (Midland)	150	IPP	HFO	October, 2018
14	Julda ,CTG 100 MW PP (Unit-3)(Accorn)	100	IPP	HFO	October, 2018
15	Chandpur 200 MW PP (Desh Energy)	200	IPP	HFO	October, 2018
	Sub Total (Private)	**2,725**			
	Total	**4,471**			

* Power Plant has already been shown as commissioned.

Projects to be commissioned in 2019

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Bibiana #3 CCPP	400	BPDB	Gas	May, 2019
2.	Shahjibazar 100 MW PP	100	BPDB	Gas	June, 2019
3.	Ghorashal 4th Unit Repowering	200	BPDB	Gas	May, 2019
4.	Sylhet 150 MW PP Conversion	75	BPDB	Gas	June, 2019
5.	Mirsorai, Chattogram 150 MW PP	150	BPDB-RPCL	HFO/Gas	September, 2019
6.	Ghorashal 3rd Unit Repowering	206	BPDB	Gas	September, 2019
7.	Payra, Potuakhali 1320 Coal Fired Power Plant (1st Phase)	1320	BCPCL (NWPGCL)	Imported Coal	December, 2019
	Sub Total (Public)	**2,451**			
	Private Sector				
1	Sirajganj 414 MW CCPP	414	IPP	Gas/HSD	SC:January, 2019 ST: May, 2019
2	Baghabari 200 MW PP (Paramount Btrac)	200	IPP	HSD	January, 2019
3	Shikalbaha 105 MW PP (Baraka-Royal Homes)	105	IPP	HFO	January, 2019
4	Chandpur 100 MW Power Plant	115	IPP	HFO	July, 2019
5	Choumohoni, Noakhali 100 MW Power Plant	113	IPP	HFO	July, 2019
6	Feni 100 MW Power Plant	114	IPP	HFO	August, 2019
7	Meghnaghat 100 MW Power Plant	104	IPP	HFO	July, 2019
8	Thakurgao 100 MW Power Plant	115	IPP	HFO	August, 2019
9	Rangpur100 MW Power Plant	113	IPP	HFO	June, 2019
10	Bogura 100 MW Power Plant (Unit-1)	113	IPP	HFO	June, 2019
11	Julda, Chattogram 100 MW PP (Accorn Inf) (Unit-2)	100	IPP	HFO	March, 2019
12	Tangail 22 MW PP (Polli Power)	22	IPP	HFO	March, 2019
13	Jamalpur 100 MW Power Plant (United)	115	IPP	HFO	August, 2019
14	Anowara, Chattogram 300 MW PP (United Enterprise)	300	IPP	HFO	May, 2019
15	Potia, Chattogram 54 MW PP (Re-located from Satkhira)	54	IPP	HFO	June, 2019
16	Shikalbaha 110 MW PP (Kornofuly Power)	110	IPP	HFO	July, 2019
17	Potiya, Chattogram 100 MW PP (Precision Energy)	116	IPP	HFO	July, 2019
18	Bhairab 50 MW PP	54	IPP	HFO	July, 2019
19	Manikgonj 162 MW PP	162	IPP	HFO	July, 2019
20	Kanchan, Narayangonj 55 MW PP	55	IPP	HFO	August, 2019
21	Bhola 220 MW CCPP (D/F) (Saporji Palonji)	220	IPP	Gas/HSD	December, 2019
	Sub Total (Private)	**2,814**			
	Total	**5,265**			

Projects to be commissioned in 2020

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Bibiana South 383 MW CCPP	383	BPDB	Gas	SC: January, 2020 ST: December, 2020
2.	Khulna 330 MW CCPP (D/F)	336	BPDB	Gas/HSD	SC: May, 2020 ST: December, 2020
3.	Sayedpur 150 MW PP	161	BPDB	HSD	December, 2020
4.	Sreepur 150 MW Power Plant	150	BPDB-RPCL	HFO	December, 2020
Sub Total (Public)		**1030**			
	Private Sector				
1	Import from Tripura (2nd Phase)	340	IPP	Import	December, 2020
2	Fenchugonj 50 MW Power Plant	55	IPP/NRB	Gas	December, 2020
Sub Total (Private)		**395**			
Total		**1,425**			

Projects to be commissioned in 2021

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1	Ashuganj 400 MW CCPP (East)	400	APSCL	Gas	January, 2021
2	Maitree Super Thermal Power Plant, Rampal	1320	BIFPCL	I. Coal	June, 2021
3	Mymenshingh 360 MW CCPP	360	RPCL	Gas/HSD	June, 2021
Sub Total (Public)		**2,080**			
	Private Sector				
1.	LNG based 750 MW CCPP (Reliance)	718	IPP	LNG	June, 2021
2.	Meghnaghat 500 MW CCPP (Summit)	583	IPP	LNG	June, 2021
3.	Meghnaghat 600 MW CCPP (Unique)	600	IPP	LNG	Dec, 2021
Sub Total (Private)		**1,901**			
Total		**3,981**			

Implementation, Planning & Development of Renewable Energy Based Projects / Systems

Bangladesh, the country of enormous prospect, is maintaining its sustained GDP growth rate more than 7% despite the worldwide economic recession. The country needs electricity growth at a high rate to cope with enhanced demand to supplement the national economic growth as sustainable, social and economic development depends on adequate power generation of a country. At present only around 90% of the people have access to electricity and per capita generation (including captive power) is only 464 kWh (possible) in Bangladesh. So, the Government has set up a goal of providing electricity to all by 2021 and to ensure reliable and quality supply of electricity at a reasonable and affordable price. Since the fossil fuel is depleting rapidly, the GoB has adopted important strategies to develop renewable energy as part of fuel diversification program. In line with the Renewable Energy policy, the Government is committed to facilitate both public and private sector investment in renewable energy projects to substitute indigenous non-renewable energy supplies and scale up contributions of existing renewable energy-based electricity productions. The Government has given priority on developing renewable energy resources to improve energy security and to establish a sustainable energy regime alongside of conventional energy sources. So, Renewable Energy based projects can help contributing Bangladesh to meet its policy goals for secure, reliable and affordable energy access to people.

BPDB has taken systematic steps to implement renewable energy-based projects and to promote Energy Efficiency Measures from the year 2009 to achieve the policy target.

In the fiscal year 2017-2018, BPDB has taken the following steps for implementation, planning & development of renewable energy sector:

Renewable Energy Based Projects

Bangladesh Power Development Board (BPDB) has installed solar system of total capacity 291.87 kWp in different offices of BPDB which includes both off-grid and grid tied technologies and installation of total 63.456 kWp is in pipeline. Besides, under Four Distribution Zones of BPDB total 2365.55 kWp Solar system has been installed by Private or Consumer's initiatives which also include both off-grid and grid tied technologies.

Implemented PV Projects/PV Systems (Mini-Grid)

650 kWp (400 kW AC load) solar mini grid power project in Sullah upazila of Sunamganj district named "Renewable Energy Based Power Generation Pilot Project in Remote Haor Area" under Bangladesh Climate Change Trust Fund (BCCTF).

Sullah, Sunamganj solar mini grid power project

Implemented Wind Power Projects

- BPDB has completed the work named "Repairing of 0.9 MW (4x225kW) Grid Connected Wind Turbine Power Plant at Muhuri Dam, Feni including Supply of Spares and 6 (six) Years Operation & Maintenance (O&M) contract".
- BPDB has completed the work named "Repair, operation & maintenance contract of the existing Kutubdia 1000 kW Wind Battery Hybrid Power Project".
- BPDB has also installed another Wind Power Plant of Capacity 1000 kW at Kutubdia named Design, Supply, Installation, Testing and Commissioning of 1 MW Capacity Wind Battery Power Plant on Turnkey Basis at Kutubdia Island, Cox's Bazar, Bangladesh including 6 (six) Years (3 years warranty for installation works and next 3 years Operation and Maintenance (O&M) of Plant).

Ongoing Solar PV Projects/PV Systems (Grid-Tied)

BPDB's Own Project

Project under construction

- 7.4 MWp Grid Connected Solar PV Power Plant at Kaptai Hydro Power Station compound under BPDB in Rangamati.

Project under Planning

- Construction of Rangunia 60 MWp Solar Photovoltaic Grid Connected Power Plant at Rnagunia, Chattogram.
- Construction of Gangachara 55 MWp Solar Photovoltaic Grid Connected Power Plant at Gangachara, Rnagpur.
- Construction of 100 MWp Solar Photovoltaic Grid Connected Power Plant at Sonagazi, Feni.

Signing of Contract between BPDB and ZTE Corporation, China for installation of 7.4 MW Solar Grid Connected Power Plant at Kaptai

IPP Project (under construction/under planning)

- 20 MW Grid -Tied Solar Power Project by Joules Power Limited.
- "32 MW (AC) Solar Park at Dharmapasha, Sunamganj" by Haor Bangla-Korea Green Energy Ltd.
- "50 MW (AC) Solar Park at Sutiakhali, Gouripur, Mymensingh District, Bangladesh" by HETAT-DITROLIC-IFDC Solar Consortium.
- "5 MW Grid Tied Solar PV Power Project" at Gwainghat, Sylhet by Sun Solar Power Plant Ltd.
- "200 MW Grid Tied Solar PV Power Project" at Sundarganj, Gaibandha by Beximco Power Company Ltd, Dhaka, Bangladesh.

Contract Signing Ceremony of Sundargnj, Gaibandha 200 MW Solar Park between BPDB and Tista Solar Ltd. of Beximco Group

PPA and IA Signing Ceremony of 30 MW Gangachara Solar Power Plant with Intraco Solar Power Ltd

- "30 MW Grid Tied Solar PV Power Project" at Gangachara, Rangpur by Intraco-Juli Power Consortium.
- "30 MW Grid Tied Solar PV Power Project" at Shekhgach, Tetulia, Panchagarh by a Consortium of Beximco Power Co. Ltd, Bangladesh & Jiangsu Zhongtian Technology Co. Ltd., China.
- "100 MW Grid Tied Solar PV Power Project" at Teesta Barrage, Lalmonirhat by a Consortium of Zhejiang Dun An New Energy Co. Ltd., China National Machinary Import & Export Corporation, Solar Tech Power Ltd. & Amity solar Ltd.

- "5 MW Grid Tied Solar PV Power Project" at Patgram, Lalmonirhat by PV Power Patgram Ltd.
- "8 MW Grid Tied Solar PV Power Project" at Majhipara, Tetulia, Panchaghar by Parasol Energy Ltd.
- "100 MW Grid Tied Solar PV Power Project" at Bora Durgapur, Mongla, Bagerhat by a Consortium of Energon Technologies FZE and China Sunergy Co. Ltd. (ESUN).
- "50 MW Grid Tied Solar PV Power Project" at Shekhgach, Tetulia, Panchagarh by 8minutenergy Singapore Holdings 2 Pte. Ltd., Singapore.
- "35 MW Grid Tied Solar PV Power Project" at Paturia, Shibaloy, Manikganj by a Consortium of Spectra Engineers Limited & Shunfeng Investment Limited.
- "100 MW Grid Tied Solar PV Power Project" at Bhabanipur and Ratanpur Mouza, Pabna Sadar, Pabna by Shapoorji Pallonji Infrastructure Capital Company Private Ltd.
- "Grid Tied Rooftop Solar PV System Installation on Government Building" on BOO Basis at Jamalpur District Town, Bangladesh.

Ongoing Wind Power Projects

BPDB's Own Project

Procurement of Design, Supply, Installation, Testing and Commissioning of 2 MW Capacity Wind Power Plant on Turnkey Basis at the bank of the river Jamuna adjacent to the existing Sirajganj 150 MW Power Plant Sirajganj, Bangladesh Including 6 Years (1.5 Years Warranty for Installation Works and next 4.5 Years O&M of Plant with Associated Evacuation Line).

Sirajganj 2 MW Wind Power Plant under construction

IPP Project

- "60 MW Grid Tied Wind Power Project" at Cox's Bazar by US-DK Green Energy (BD) Ltd.
- "100 MW Grid Tied Wind Power Project" at Anwara, Chattogram by a Consortium of PIA Group LLC, Spain and Bangladesh Alternative Energy Systems Ltd.

Solid Waste to Energy based Power Projects under Planning (IPP)

- Keraniganj 1 MW Municipal Solid Waste based Power Plant at Keraniganj.
- Narayanganj 5 MW Municipal Solid Waste based Power Plant at Narayanganj.

Signing of Memorandum of Understanding (MoU) between BPDB and Narayngani City Corporation for developing a 3-5 MW Waste to Energy Project

Implemented Solar Charging Stations

- BPDB has implemented two solar charging stations at Sylhet and Chattogram, each having capacity of 20 kW.

Ongoing Other Projects

- Solar Street Lighting Programme in 8 City Corporations (SSLPCC).
- For lighting and fan load, installation of several off grid and grid tied solar rooftop systems at BPDB's office buildings and in consumer premises are also in progress.

ON GOING DISTRIBUTION PROJECTS

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

Sl. No.	Name of the Projects	Projects costs			Year of completion	Cumu. progress (%)
		Local (Lakh Tk.)	Foreign (Lakh Tk.)	Total (Lakh Tk.)		
1.	Pre-payment metering project for distribution southern Zone Chattogram (Phase -1)	13736	0	13736	June 2018	91.21
2.	Solar Street -Lighting Program in City Corporations.	10264	13280	25167	December 2018	80.19
3.	Pre-payment metering project for distribution Cumilla and Mymensingh Zone	1826	10405	13249	December 2019	13.40
4.	Chattogram Zone Power Distribution System Development project	66072	43898	109970	June 2018	60.15
5.	Power distribution system Development project, Rajshahi Zone	91499	0	91499	June 2018	50.00
6.	Power distribution system Development project, Rangpur Zone	133429	0	133429	December 2019	41.7
7.	Power distribution system Development project, Sylhet Zone	189085	0	189085	March 2019	55.00
8.	Distribution system Development Project For three Chattogram hill tracts.	56568	0	56568	December 2019	10.92
9.	Power Distribution System Development Project, Mymensingh Zone	157546	0	157546	December 2021	1.49
10.	Power Distribution System Development Project, Cumilla Zone	152176	0	152176	December 2022	0.00

FUTURE DISTRIBUTION PROJECTS

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

Sl. No.	Name of the Projects	Projects costs		
		Local (Lakh Tk.)	Foreign (Lakh Tk.)	Total (Lakh Tk.)
1.	Distribution System Development Project based on year of 2030 Demand for Chattogram Zone	278143	0	278143
2.	Greater Chattogram Power Distribution project – SCADA Rehabilitation (Phase II)	2241	0	2241
3.	Electrification Project Of Hatiya & Kutubdia Islands Through Grid Connectivity Along with 2.3MWp Photovoltaic Plant.	108632	0	108632
4.	Construction of 33 KV Underground Cable at Chattogram Zone	0	1568000	1568000

Chapter 3

Reforms & Other Activities

Reform and Restructure

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

- The Electricity Directorate was established in 1948 in order to plan and improve power supply situation of the country. Considering the increasing demand of electricity and its importance in agriculture & industry "Water & Power Development Authority" (WAPDA) was created in 1959. Later the "WAPDA" was divided into two parts namely "Bangladesh Power Development Board" & "Bangladesh Water Development Board" by the Presidential Order 59 (PO-59) of 31st May 1972. As a result, Bangladesh Power Development Board was entrusted with the responsibilities of Operation, Maintenance and Development of Generation, Transmission & Distribution facilities of electricity throughout the country.
- By the ordinance (Ordinance No-LI of 1977) Rural Electrification Board (REB) was established for the development of electricity in the rural areas for the effective benefit of rural people on October, 1977.
- Under the reform program Dhaka Electric Supply Authority (DESA) was created for the proper management & electrification in Dhaka city and its adjoining areas in 1990.
- DESCO has started functioning from 1996 after taking over part of the distribution network of DESA.
- DESA was reformed again as Dhaka Power Distribution Company (DPDC) in July, 2008.
- Under the Companies Act 1994, Power Grid Company (PGCB) was created in 1996 to look after the transmission system.
- Ashuganj Power Station has been converted into Ashuganj Power Station Company Ltd. (APSCL) in 1996, as a subsidiary company of BPDB.
- Northern Electricity Supply Company Ltd. (NESCO) was created in 2016 to look after the distribution system of Rajshahi and Rangpur zone. NESCO is a distribution subsidiary of BPDB.
- West Zone Power Distribution Company Ltd. (WZPDCL) was created in 2002 to look after the distribution system of Barishal and Khulna Zone. WZPDCL is a distribution subsidiary of BPDB.
- Electricity Generation Company of Bangladesh (EGCB) has been formed as a Generation Company since 2004. EGCB has implemented 2x105 MW Peaking Power Plant at Shiddhirganj and 412 MW CCPP at Haripur. EGCB has also started construction process of another 335 MW CCPP at Shiddhirganj.
- North West Power Generation Company (NWPGCL) was created in 2008. NWPGCL has implemented 210 MW Combined Cycle Power Plant at Sirajganj, 230 MW Combined cycle Power Plant at Khulna , 360 MW Combined cycle Power Plant at Bheramara and 225 MW Combined cycle Power Plant at Sirajganj (2nd phase). NWPGCL has also started construction process of Madhumoti,Bagerhat 100 MW power plant and Sirajganj CCPP project (3rd unit), Payra 1200-1320 MW Thermal plant project (1st Phase) under BCPCL.
- BPDB is in the process of indentifying Strategic Business Unit (SBU) for its generation and distribution sectors as a new reform initiative. Functional and financial performance of the SBUs will be operated like components of a corporate body and will be evaluated separately under the legal frame work of existing BPDB structure.

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

HRD Activities

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

BPDB has been implementing all its training Programs through Directorate of Training & Career Development. Training Academy of Kaptai, four regional training centers and two specialized training center for power plants are providing training courses for technical and non-technical manpower of power sector entities. Regional Training Centers of BPDB are located at Tongi, Rajshahi, Chattogram, Coxbazar and Khulna. Training centers at Ghorashal and Ashuganj are dedicated to train power plant engineers & staff. Efforts are underway to establish state-of-the-art training academy at Keraniganj near Dhaka for this purpose.

Achievement against training program conducted during FY 2017-18 is shown below

Sl. No.	Name of Training Center/Academy	No. of Course	Total No. of Trainees
1.	Engineering Academy, Kaptai, Rangamati	53	2443
2.	Regional Training Centre, Tongi, Gazipur.	74	2111
3.	Chattogram Training Centre, Chattogram.	57	3391
4.	Rajshahi Training Centre, Rajshahi	64	3760
5.	Ghorashal Training Centre, Narsingdi	91	2568
6.	Directorate of Training & Career Development, Dhaka.	99	2961
7.	Training Academy, Cox's Bazar	83	2053
8.	On The Job Training	241	10202
9.	Training in Abroad	92	688
10.	Seminar/Workshop	78	1126
Total		**932**	**31303**

Distribution of certificates among the newly recruited Sub-Assistant Engineers after completion of their foundation training

Distribution of certificates among the newly recruited Assistant Engineers after completion of their foundation training

Ghorashal 365 MW Combined Cycle Power Plant

Chapter 4

Tables and Charts

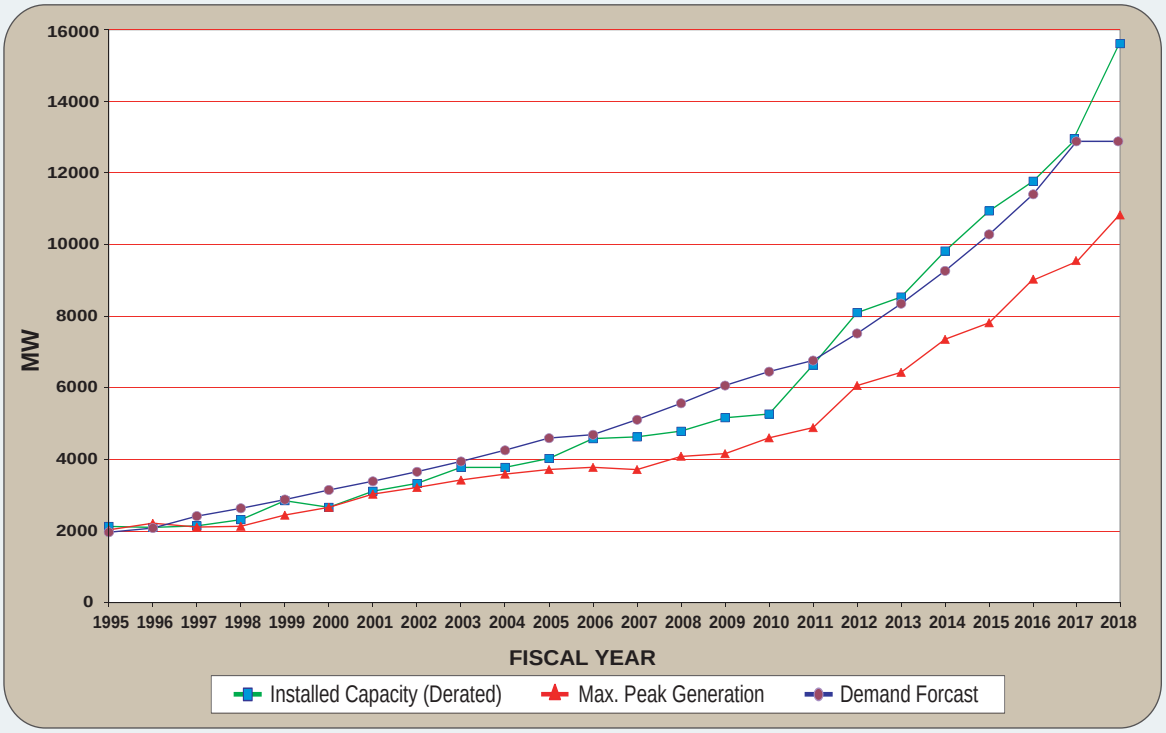
GENERATION TABLES AND CHARTS

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

Year	Installed Capacity (MW)[1]	Present Capacity (Derated) (MW)[2]	Maxium Demand (MW)[3]	Maxium Peak Generation (MW)	Energy Not Served (MKWH)
1974-75	667	490	-	266	-
1975-76	766	606	-	301	-
1976-77	767	571	-	342	-
1977-78	752	557	-	396	-
1978-79	718	571	-	437	-
1979-80	822	625	-	462	-
1980-81	813	707	-	545	-
1981-82	857	712	-	604	-
1982-83	919	810	-	709	-
1983-84	1,121	998	-	761	-
1984-85	1,141	1,018	-	887	-
1985-86	1,171	1,016	-	883	-
1986-87	1,607	1,442	-	1,084	-
1987-88	2,146	1,859	-	1,317	-
1988-89	2,365	1,936	-	1,393	-
1989-90	2,352	1,834	-	1,509	-
1990-91	2,350	1,719	-	1,640	-
1991-92	2,398	1,724	-	1,672	-
1992-93	2,608	1,918	-	1,823	-
1993-94	2,608	1,881	-	1,875	-
1994-95	2,908	2,133	2,038	1,970	-
1995-96	2,908	2,105	2,220	2,087	-
1996-97	2,908	2,148	2,419	2,114	550
1997-98	3,091	2,320	2,638	2,136	516
1998-99	3,603	2,850	2,881	2,449	264
1999-00	3,711	3,549	3,149	2,665	121
2000-01	4,005	3,830	3,394	3,033	119
2001-02	4,234	3,883	3,659	3,218	70
2002-03	4,680	4,368	3,947	3,428	69
2003-04	4,680	4,315	4,259	3,592	147
2004-05	4,995	4,364	4,597	3,721	260
2005-06	5,245	4,614	4,693	3,782	843
2006-07	5,202	4,623	5,112	3,718	2,264
2007-08	5,305	4,776	5,569	4,130	1,107
2008-09	5,719	5,166	6,066	4,162	1,363
2009-10	5,823	5,271	6,454	4,606	1,829
2010-11	7,264	6,639	6,765	4,890	1,899
2011-12	8,716	8,100	7,518	6,066	1,647
2012-13	9,151	8,537	8,349	6,434	1,070
2013-14	10,416	9,821	9,268	7,356	515
2014-15	11,534	10,939	10,283	7,817	177
2015-16	12,365	11,170	11,405	9,036	122
2016-17	13,555	12,771	12,644	9,479	37
2017-18	15,953	15,410	14,014	10,958	32

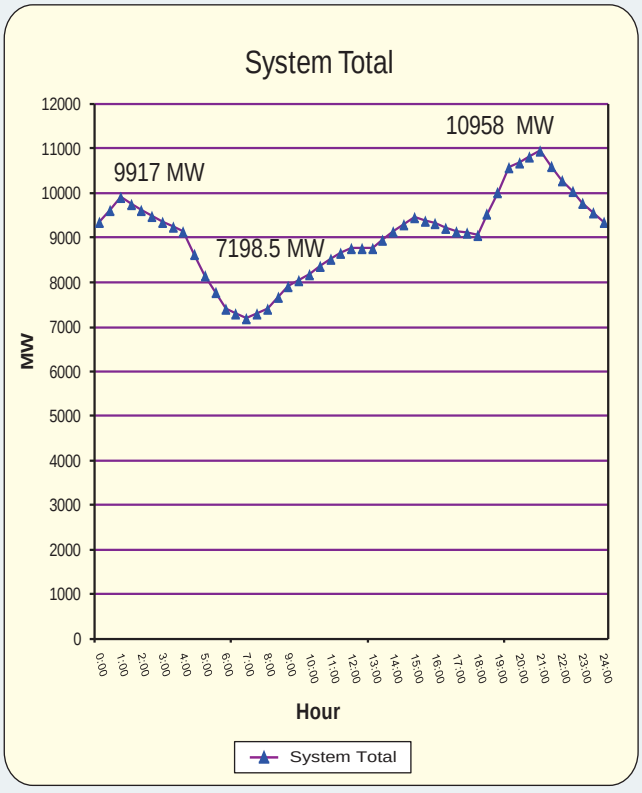
Note :
1. Installed capacity is as of 30th June of the year.
2. Present Capacity (Derated) is the Maximum available generation capacity at present.
3. Maximum Demand is shown as per power system master plan 2010.

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

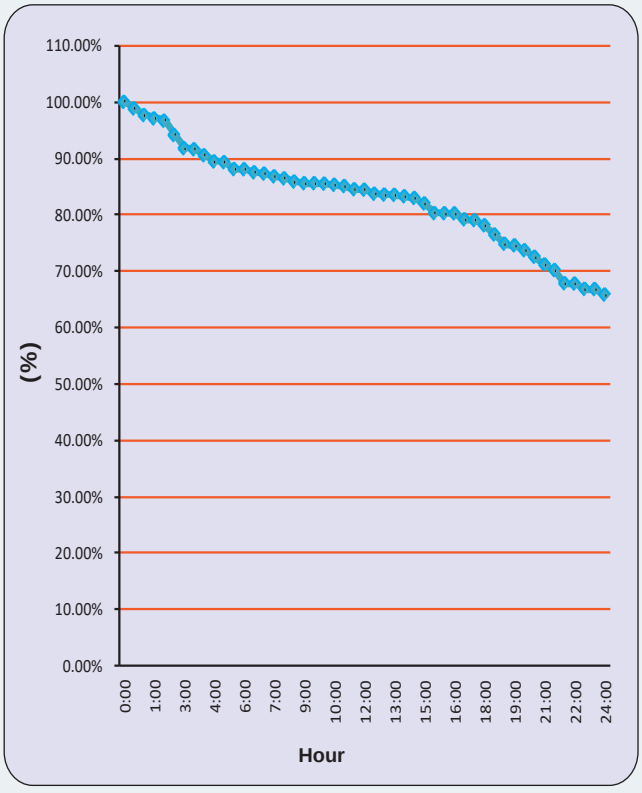


Daily Load Curve

Date : 28-05-2018



Load Duration Curve



Year Wise 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	(18.66)
1972-73	175	47	222	21.53
1973-74	185	65	250	12.60
1974-75	199	67	266	6.36
1975-76	220	81	301	13.28
1976-77	254	88	342	13.49
1977-78	287	109	396	15.78
1978-79	331	105	437	10.25
1979-80	338	124	462	5.82
1980-81	399	146	545	18.03
1981-82	451	153	604	10.72
1982-83	506	203	709	17.45
1983-84	549	212	761	7.40
1984-85	651	236	887	16.47
1985-86	613	270	883	(0.47)
1986-87	734	349	1,084	22.76
1987-88	925	392	1,317	21.55
1988-89	980	413	1,393	5.77
1989-90	1,070	439	1,509	8.33
1990-91	1,141	499	1,640	8.68
1991-92	1,160	512	1,672	1.95
1992-93	1,293	530	1,823	9.05
1993-94	1,355	520	1,875	2.84
1994-95	1,472	498	1,970	5.07
1995-96	1,497	590	2,087	5.96
1996-97	1,594	520	2,114	1.29
1997-98	1,560	577	2,136	1.03
1998-99	1,828	621	2,449	14.62
1999-00	1,878	787	2,665	8.84
2000-01	2,175	858	3,033	13.82
2001-02	2,447	771	3,218	6.08
2002-03	2,512	917	3,428	6.54
2003-04	2,646	946	3,592	4.79
2004-05	2,750	971	3,721	3.58
2005-06	2,809	973	3,782	1.65
2006-07	2,725	993	3,718	(1.70)
2007-08	3,089	1,041	4,130	11.09
2008-09	3,589	573	4,162	0.78
2009-10	3,883	723	4,606	10.67
2010-11	3,962	928	4,890	6.17
2011-12	4,805	1,261	6,066	24.05
2012-13	5,010	1,424	6,434	6.07
2013-14	5,320	2,036	7,356	14.33
2014-15	5,902	1,915	7,817	6.27
2015-16	6,699	2,337	9,036	15.59
2016-17	7,024	2,455	9,479	4.90
2017-18	8,034	2,924	10,958	15.60

Growth of Maximum Generation (Actual)

Review meeting on implementation status of Power Plant Projects presided over by Hon'ble State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid MP

A review meeting on development projects

Plant Wise Generation (FY 2017-18)

Sl. No.	Name of power plant	Type of fuel	Installed Capacity (As of June) (MW)	Net Energy Generation (GWh)	Annual Plant factor (%)	Efficiency (%) (Net)	Overall Thermal Efficiency (%) (Net)
PUBLIC							
DHAKA ZONE							
1	Ghorashal 2x55 MW ST	Gas	110	314.96	45.30	24.89	
	Ghorashal 2x210 MW ST	Gas	420	975.63	34.82	30.96	
	Ghorashal 210 MW ST (5th Unit)	Gas	210	424.30	27.66	27.77	
	Ghorashal 210 MW 7th	Gas	365	1166.41	38.57	44.91	
2	Tongi 105MW GT	Gas	105	-2.81	0.00	0.00	
3	Haripur 3x33 MW GT	Gas	64	79.47	22.99	19.98	
4	Siddhirganj 210 MW ST	Gas	210	144.75	16.23	29.38	
5	Siddhirganj 2x120 MW GT	Gas	210	636.82	36.01	26.19	
6	Haripur 412 MW CCPP	Gas	412	3030.87	87.42	56.13	
7	RPCL Gazipur 52 MW	F.oil	52	302.62	68.35	39.05	
8	Kodda Gazipur 150 MW (PDB-RPCL)	F.oil	149	701.57	55.59	38.92	
9	Siddhirganj 335 MW CCPP (EGCB)	Gas	217	342.50	18.48	33.46	
CHATTOGRAM ZONE							
10	Karnafuli Hydro	Hydro	230	1024.31	50.97	0.00	
11	Rauzan 210 MW /ST (1st)	Gas	210	1.49	0.23	26.19	
	Rauzan 210 MW /ST (2nd)	Gas	210	84.49	5.85	25.71	
12	Chattogram 60 MW /ST	Gas	60	0.73	0.41	27.49	
13	Shikalbaha 150 MW Peaking PP	Gas	150	27.01	30.26	28.58	
		HSD		366.52		27.72	
14	Hathazari 100 MW Peaking PP	F.oil	98	204.57	24.32	38.97	
15	Sangu, Dohazari-kaliaish 100 MW PPP	F.oil	102	271.20	31.09	42.04	
16	RPCL Raozan 25 MW	F.oil	25	140.50	65.96	42.54	
17	Shikalbaha 225 MW PS	Gas	225	84.33	4.47	33.11	
		HSD		1003.05	0.00	41.48	
18	Sonagazi 1 MW Wind PP	Wind	0	0.05	0.00	0.00	
19	Kutubdia 900KW Wind PP	WInd	0	0.00	0.00	0.00	
CUMILLA ZONE							**37.7**
20	Ashuganj 2x64 MW Steam Turbine	Gas		21.61	0.00	28.48	
21	Ashuganj 3x150 MW Steam Turbine	Gas	450	1867.82	57.65	32.39	
22	Ashuganj 50 MW GE	Gas	53	307.04	79.81	38.51	
23	Ashuganj 225 MW CCPP	Gas	221	1362.59	71.76	43.38	
24	Ashuganj (South) 450 MW CCPP	Gas	360	2314.54	75.45	47.73	
25	Ashuganj (North) 450 MW CCPP	Gas	360	1695.98	56.38	39.51	
26	Chandpur 150 MW CCPP	Gas	163	637.50	48.00	36.03	
27	Titas (Doudkandi) 50 MW RE	F.oil	52	44.05	10.21	36.25	
SYLHET ZONE							
28	Shahjibazar 70 MW GT, Habiganj	Gas	70	445.92	77.45	27.49	
29	Shahjibazar 330 MW CCPP	Gas	330	1637.94	59.81	38.34	
30	Fenchuganj C.C. (Unit #1)	Gas	97	445.80	74.64	30.73	
	Fenchuganj C.C. (Unit #2)	Gas	104	430.59	57.95	29.49	
31	Sylhet 1x20 MW /GT	Gas	20	44.59	25.63	29.65	
32	Sylhet 1x150 MW /GT	Gas	142	603.08	49.92	26.40	
KHULNA ZONE							
33	Khulna 1x110 MW Steam Turbine	F.oil	0	-0.97	0.00	0.00	
34	Khulna 225 MW (NWPGCL)	HSD	230	996.50	50.96	39.83	
35	Bheramara 3x20 MW /GT	HSD	60	62.79	15.68	21.27	
36	Bheramara 360 MW CCPP (NWPGCL)	Gas	410	1258.67	36.79	38.84	
37	Faridpur 50 MW Peaking PP	F.oil	54	123.78	27.57	38.56	
38	Gopalganj 100 MW Peaking PP	F.oil	109	129.95	14.48	37.47	
BARISHAL ZONE							
39	Barishal 2x20 MW /GT	HSD	40	37.50	14.59	22.83	
40	Bhola 225 MW CCPP	Gas	194	1351.14	84.15	52.18	

Sl. No.	Name of power plant	Type of fuel	Installed Capacity (As of June) (MW)	Net Energy Generation (GWh)	Annual Plant factor (%)	Efficiency (%) (Net)	Overall Thermal Efficiency (%) (Net)
RAJSHAHI ZONE							
41	Baghabari 71 MW /GT	Gas	71	35.15	5.83	26.78	
	Baghabari 100 MW /GT	Gas	100	-0.12		0.00	
42	Sirajgonj 210 MW CC (NWPGCL) Unit-1	Gas	210	706.55	45.58	47.67	
		HSD		94.58		41.67	
43	Baghabari 50 MW Peaking RE	F.oil	52	104.98	23.70	35.52	
44	Bera 70 MW Peaking RE	F.oil	71	129.21	21.22	36.71	
45	Santahar 50 MW PP	F.oil	50	110.54	25.66	34.02	
46	Katakhali 50 MW PP	F.oil	50	100.19	23.34	36.28	
47	Chapainobabgonj Peaking Power Station 100 MW, Amnura	F.oil	104	294.24	32.88	40.74	
48	Sirajgonj 210 MW CC (NWPGCL) Unit-2	Gas	220	188.64	310.27	52.06	
		HSD		396.25		40.91	
49	Sirajgonj 210 MW CC (NWPGCL) Unit-3	Gas	0	0.00	0.00	0.00	
		HSD		2.25		36.65	
RANGPUR ZONE							
50	Barapukuria Coal based S/T (unit 1,2)	COAL	250	564.87	44.58	21.52	
	Barapukuria Coal based S/T (unit 3)	COAL	274	1128.00	47.93	34.99	
51	Saidpur 20 MW /GT	HSD	20	48.65	27.88	22.00	
52	Rangpur 20 MW /GT	HSD	20	30.12	17.39	18.66	
	Total (Grid)		**8,845**	**31077.84**	**44.58**		
	Isolated East	HSD	0	4.64			
	Isolated West	HSD	0	0.00			
	Total PUBLIC		**8,845**	**31082.48**			
PRIVATE							
A. IPP							
1	Midland Power Co. Ashuganj 51 MW	GAS	51	170.38	38.14	35.51	
2	Rural Power Company Ltd.(RPCL) 210MW	GAS	210	1012.73	57.23	45.15	
3	Haripur Power Ltd. (CDC)	GAS	360	2500.43	79.29	49.06	
4	Meghnaghat Power Ltd.	GAS	450	3217.59	81.62	45.17	
5	Ghorashal, Regent Energy & Power Ltd 108 MW	GAS	108	463.35	48.98	37.26	
6	Ashuganj Modular (United Power Co. Ltd.) 195 MW	GAS	195	721.58	42.24	42.51	
7	Summit Bibiyana - II Power Co Ltd. 341 MW	GAS	341	2384.07	79.81	28.88	
8	Kushiara power Co. Ltd (163MW) CCPP Fenchuganj	GAS	163	551.17	38.60	35.70	
9	Daudkandi 200MW (Bangla Trac)	HSD	200	68.76	3.92	35.95	
10	Noapara100MW (Bangla Trac)	HSD	100	32.57	3.72	35.95	
11	Kodda Gazipur 300MW Power Ltd.(unit-2) (Summit)	F.Oil	300	112.82	4.29	41.45	
12	KPCL(110 MW),U-1,Tiger-1,3(Burg) BMPP (Simmit-United)	F.Oil	110	478.41	49.65	39.09	
13	NEPC Consortium Power Ltd. (haripur BMPP) 110MW	F.Oil	110	180.57	18.74	41.03	
14	Raj Lanka Power Gen.Com. Ltd.55 MW, Natore	F.Oil	52	233.15	51.18	43.57	
15	Summit Meghnaghat Power Co.Ltd.	HSD	305	790.35	29.58	25.54	
16	Digital Power & Associates Gagnagar	F.Oil	102	334.97	37.49	41.25	
17	Baraka Patenga	F.Oil	50	272.49	62.21	43.05	
18	ECPV Chattogram Limited 108 MW	F.Oil	108	581.92	61.51	43.05	
19	Lakdhanvi lanka- Bangla Jangalia Cumilla 52MW	F.Oil	52	120.60	26.47	43.57	
20	Sinha Peoples Energy Ltd.Katpatti 52.5 MW Exp	F.Oil	51	115.08	25.76	42.90	
21	Summit Barishal (110 MW)	F.Oil	110	521.80	54.15	42.54	
22	Summit Narayangonj Power unit-2 Madangonj (55 MW)	F.Oil	55	309.31	64.20	42.54	
23	Dhaka (Doreen) Northern Power Ltd.Manikganj	F.Oil	55	302.94	62.88	44.40	
24	Dhaka(Doreen) Southern Power Ltd.Nobabgonj	F.Oil	55	285.56	59.27	44.40	
25	Powerpac Mutiara Jamalpur 95 MW Power plant Ltd	F.Oil	95	434.95	52.26	43.57	
26	CLC Power Co. Ltd. 108 MW Bosila Keranigonj	F.Oil	108	270.02	28.54	43.20	
27	Banco Energy Generation 54MW, Kamalaghat, Munshiganj	F.Oil	54	120.22	25.41	42.45	
28	Aggreko, Brahmangaon 100MW	HSD	100	24.76	2.83	36.64	
29	APR Energy 300MW	HSD	0	128.97	0.00	35.95	
30	United Mymensingh Power Ltd. (UMPL) 200MW , Tangail	F.Oil	200	52.35	2.99	42.08	

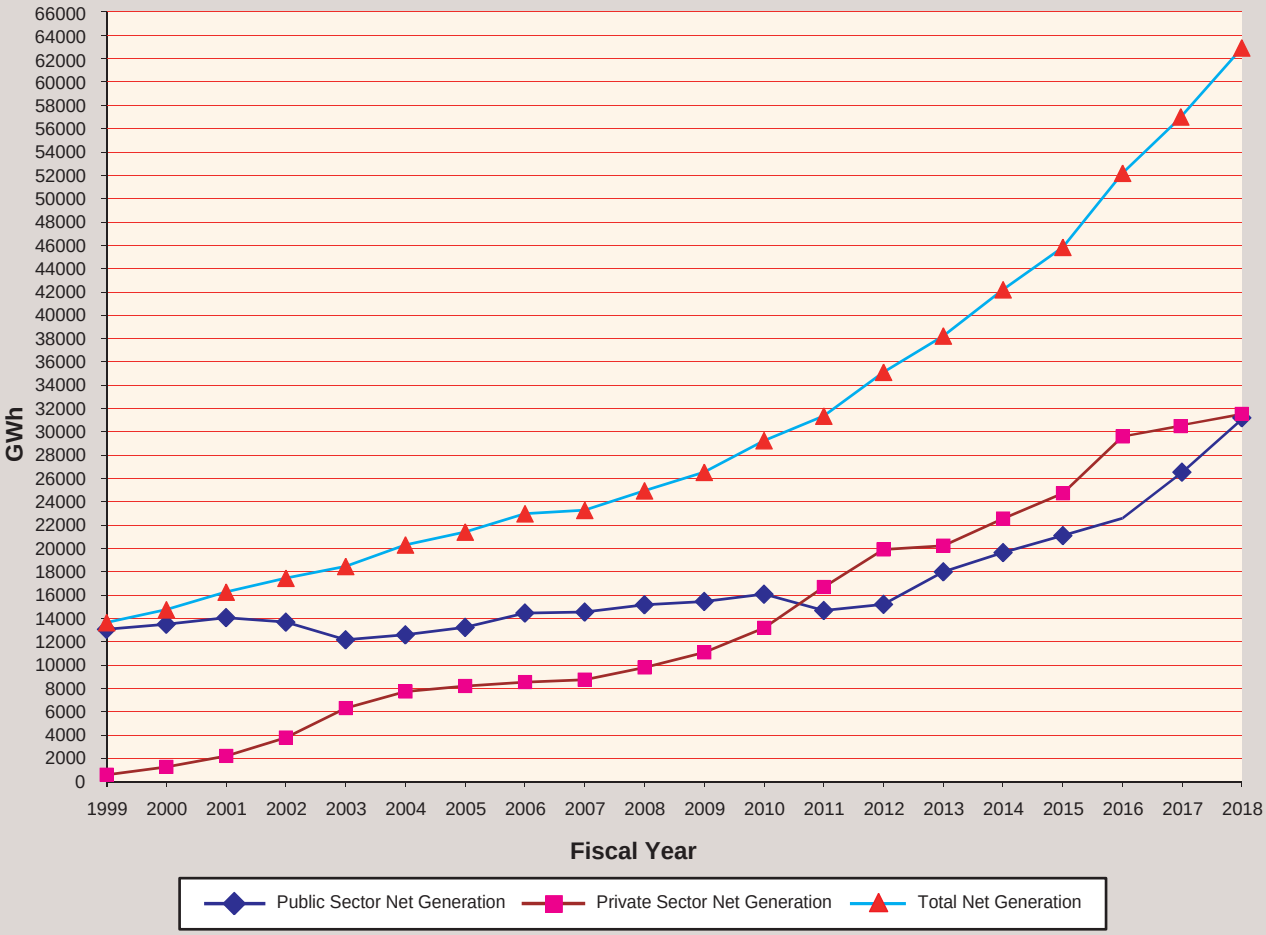
Sl. No.	Name of power plant	Type of fuel	Installed Capacity (As of June) (MW)	Net Energy Generation (GWh)	Annual Plant factor (%)	Efficiency (%) (Net)	Overall Thermal Efficiency (%) (Net)
31	Aggreko, Aourahati 100MW	HSD	100	8.93	1.02	36.64	
32	Engreen Solar Power Plant (3MW) Sharishabari	Solar	3	3.56	13.55	0.00	
33	Sailo Solar Power Plant Shantahar	Solar	0	0.17	0.00	0.00	
34	Shalla 400 KW Solar	Solar	0	0.01	0.00	0.00	
	Sub-Total IPP		**4,353**	**16806.53**	**44.16**		
B. RENTAL & SIPP							
1	Bogura RPP (24MW) 15 yrs GBB	GAS	22	169.93	88.18	31.62	
2	Bogura 20 RPP (3 Yrs) Energy Prima	GAS	20	77.44	88.40	34.25	
3	Ghorashal 78 MW QRPP (3 Yrs Max Power)	GAS	78	289.81	42.42	35.85	
4	Tangail SIPP (22 MW) (Doreen Power Ltd.)	GAS	22	147.01	76.28	38.26	
5	Feni SIPP (22 MW) (Doreen Power Ltd.)	GAS	22	153.89	79.85	38.26	
6	Jangalia 33 MW (Summit Purbanchol Po. Co. Ltd.)	GAS	33	210.43	72.79	38.23	
7	Ashugonj 55 MW 3 Years Rental (Precision Energy)	GAS	55	140.55	29.17	32.50	
8	B.Baria 70 MW QRPP (3 Yrs Aggreco)	GAS	85	334.90	44.98	35.96	
9	Ashugonj 53 MW Q. Rental PP (3 Years, United Power)	GAS	53	122.50	26.38	36.31	
10	Kumargaon 50 MW 3 yrs (Energyprima)	GAS	50	145.89	33.31	34.25	
11	Shahzibazar 86 MW RPP (15 yrs)	GAS	86	381.56	50.65	27.25	
12	Shahzibazar 50 MW RPP (3 yrs) (Energyprima)	GAS	50	258.54	59.03	28.41	
13	Kumargaon 10 MW Desh Combridge (15 Yrs)	GAS	10	45.82	52.30	43.05	
14	Fenchugonj 51 MW Rental (15 Yrs) (Barakatullah)	GAS	51	218.09	48.82	37.91	
15	Fenchugonj 50 MW Rental (Energy Prima)	GAS	44	255.96	66.41	31.28	
16	Barabkundu SIPP 22 MW (Regent Power)	GAS	22	149.56	77.60	38.26	
17	Malancha, EPZ, Ctg	GAS	0	163.34	0.00	0.00	
18	Bhola 32 MW (Venture Energy Resources Ltd.)	GAS	33	165.87	57.38	28.49	
19	Ghorashal 45 MW (Aggreko)	GAS	0	210.72	0.00	35.96	
20	Ghorashal 100 MW RPP (Aggreko)	GAS	0	299.34	0.00	35.96	
21	Shahjahanullah Power Gen Co. Ltd. (REB, Marchant)	GAS	0	117.94	0.00	0.00	
22	Aggreko 95 MW Bhola	GAS	95	176.21	21.17	36.24	
23	Khulna 55 MW RPP 3 yrs (Aggreko)	HSD	55	99.35	20.62	32.50	
24	Bheramara 110 MW 3 Yrs Rental (Quantum)	HSD	0	0	0.00	0.00	
25	Khulna 115 MW QRPP (5 Yrs Summit) (KPCL U-2)	F.Oil	115	558.44	55.43	40.15	
26	Noapara 40 MW QRPP (5 Yrs Khan Jahan Ali)	F.Oil	40	208.31	59.45	41.11	
27	Pagla 50 MW (DPA)	HSD	50	109.12	24.91	38.33	
28	Shiddirgonj 100 MW Q. Rental 3 Yrs (Desh Energies)	HSD	100	126.59	14.45	39.24	
29	Madangonj 100 MW QRPP (5 Yrs Summit)	F.Oil	102	310.14	35.40	41.79	
30	Meghnagat 100 MW QRPP (5 Yrs) IEL	F.Oil	100	380.15	43.40	41.29	
31	Siddhirganj 100 MW QRPP (5 Yrs) Dutch Bangla	F.Oil	100	399.65	45.62	41.29	
32	Shikalbaha 55 MW Rental (3 Years) Energies	F.Oil	51	252.66	56.55	43.00	
33	Amnura 50 MW QRPP (5Yrs, Sinha Power)	F.Oil	50	273.15	62.36	41.79	
34	Mutiara, Keranigonj 100 MW QRPP (5 Yrs) Power Pac	F.Oil	100	337.04	38.47	40.98	
35	Julda 100 MW QRPP (5 Yrs, Acron Infra)	F.Oil	100	590.67	67.43	43.22	
36	Katakhali 50 MW QRPP (ENA)	F.Oil	50	243.99	55.70	41.29	
	Sub-Total RENTAL& SIPP		**1,844**	**8124.53**	**50.63**		
IMPORT							
1	Import from NVVN & PTC (Bheramara)	Import	500	3496.33			
2	Import from Tripura 100MW	Import	100	987.75			
3	Import from India 40 MW	Import	60	298.65			
	Total Energy IMPORT		**660**	**4782.72**			
	SIPP (REB)		**251**	**1881.64**			
	GRAND TOTAL		**15,953**	**62677.91**			

Energy Generation (National)

In GWh

Year	Gross Energy Generation of Public Sector			Net Generation of Public Sector	Total Private Generation Inclu. REB (Net)	Total Generation (Net)	% Change Over the Preceding Year	Energy Transfer through East-West Interconnector	
	East Zone	West Zone	System Total					East to West	West to East
1970-71	725	204	929	883	-	883		-	-
1971-72	582	135	717	681	-	681	(22.82)	-	-
1972-73	857	229	1086	1031	-	1,031	51.41	-	-
1973-74	982	283	1265	1202	-	1,202	16.56	-	-
1974-75	1022	300	1322	1256	-	1,256	4.48	-	-
1975-76	1116	344	1460	1387	-	1,387	10.41	-	-
1976-77	1224	394	1619	1538	-	1,538	10.89	-	-
1977-78	1444	468	1913	1817	-	1,817	18.18	-	-
1978-79	1603	519	2122	2016	-	2,016	10.95	-	-
1979-80	1745	609	2353	2236	-	2,236	10.89	-	-
1980-81	1,978	684	2,662	2529	-	2,529	13.11	-	-
1981-82	2,292	744	3,036	2885	-	2,885	14.07	-	-
1982-83	2,846	587	3,433	3261	-	3,261	13.05	341.32	0.24
1983-84	3,398	568	3,966	3768	-	3,768	15.54	519.04	1.44
1984-85	3,656	873	4,528	4302	-	4,302	14.18	477.41	20.63
1985-86	3,488	1,312	4,800	4560	-	4,560	6.00	222.40	106.43
1986-87	4,749	838	5,587	5308	-	5,308	16.39	797.84	10.91
1987-88	5,753	789	6,541	6214	-	6,214	17.08	1,179.54	0.02
1988-89	6,534	581	7,115	6759	-	6,759	8.77	1,550.00	--
1989-90	7,401	331	7,732	7345	-	7,345	8.67	1,956.78	--
1990-91	8,126	144	8,270	7857	-	7,857	6.96	2,314.07	--
1991-92	8,500	394	8,894	8450	-	8,450	7.55	2,213.00	--
1992-93	8,583	624	9,206	8746	-	8,746	3.51	1,919.89	--
1993-94	9,129	655	9,784	9295	-	9,295	6.28	1,980.76	--
1994-95	9,885	921	10,806	10266	-	10,266	10.45	1,954.62	--
1995-96	10,735	740	11,474	10901	-	10,901	6.18	2,215.02	--
1996-97	10,805	1,053	11,858	11,243	-	11,243	3.14	1,924.17	--
1997-98	11,789	1,093	12,882	12,194	-	12,194	8.46	1,997.00	--
1998-99	13,126	746	13,872	13,060	578	13,638	11.84	2,186.00	--
1999-00	13,634	684	14,318	13,495	1,244	14,739	8.07	2,482.45	--
2000-01	13,717	1,111	14,828	14,062	2,193	16,255	10.28	1,979.40	--
2001-02	13,267	1,183	14,450	13,674	3,771	17,445	7.32	2,249.16	--
2002-03	11,371	1,510	12,881	12,159	6,299	18,458	5.80	2,170.40	--
2003-04	11,303	2,039	13,342	12,584	7,718	20,302	9.99	2,135.55	--
2004-05	11,910	2,157	14,067	13,223	8,185	21,408	5.45	2,146.20	--
2005-06	13,177	2,240	15,417	14,456	8,522	22,978	7.33	2344.72	--
2006-07	12,964	2,531	15,495	14,539	8,729	23,268	1.26	1950.25	--
2007-08	13,397	2,758	16,155	15,167	9,779	24,946	7.21	2462.08	--
2008-09	13,627	2,803	16,431	15,449	11,084	26,533	6.36	2548.99	--
2009-10	14,735	2,329	17,064	16,072	13,175	29,247	10.23	3831.43	--
2010-11	12,845	2,680	15,525	14,673	16,682	31,355	7.21	3574.00	--
2011-12	13,316	2,758	16,074	15,201	19,917	35,118	12.00	4445.42	--
2012-13	15,078	3,929	19,008	17,994	20,235	38,229	8.86	4695.49	--
2013-14	15,726	4,943	20,669	19,645	22,550	42,195	10.37	3138.37	--
2014-15	16,950	5,214	22,163	21,103	24,733	45,836	8.63	3043.08	--
2015-16	17,542	6,179	23,721	22,586	29,608	52,193	13.87	2859.60	--
2016-17	21,343	6,594	27,938	26,597	30,679	57,276	9.74	2398.56	--
2017-18	24,231	8,276	32,507	31,082	31,595	62,678	9.43	2721.00	--

Total Net Energy Generation



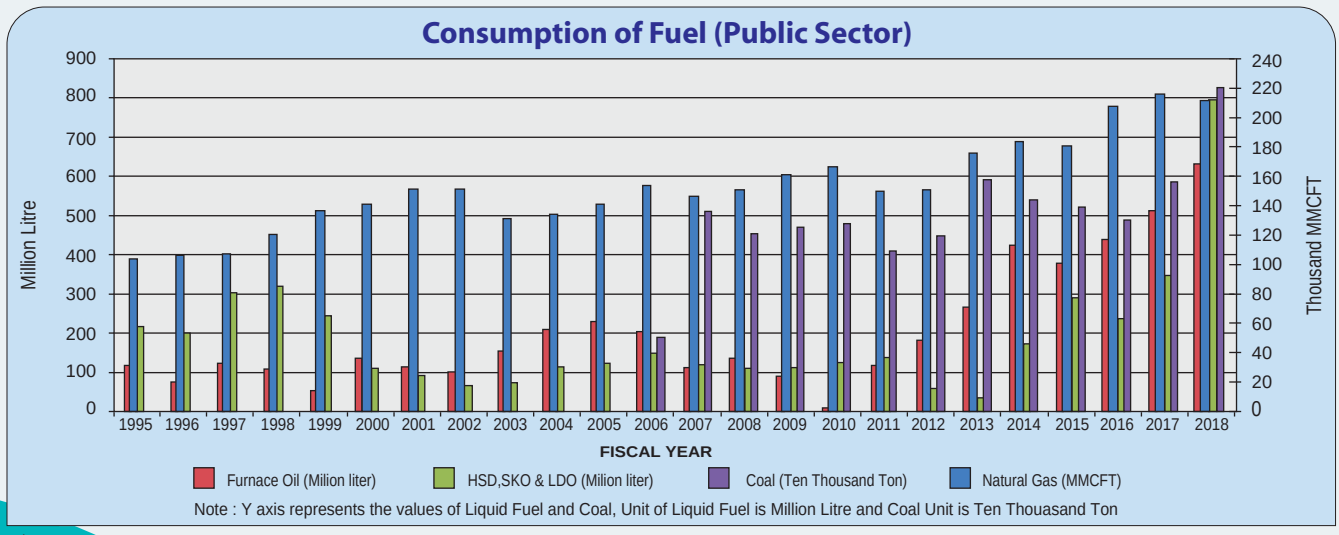
Signing of contract for establishing five Power Plants of total capacity 600 MW
at different places of the country between BPDB and five different private entrepreneurs

Year Wise Per Capita Generation and Consumption (Grid)

Year	Total Generation (GWh)	Total Population (In million)	Total Sale (MkWh)	Per Capita Generation (kWh)	Per Capita Consumption (kWh)
1976-77	1,619	82	1,013	19.80	12.39
1977-78	1,913	84	1,205	22.85	14.39
1978-79	2,122	86	1,381	24.78	16.13
1979-80	2,353	88	1,406	26.85	16.04
1980-81	2,662	90	1,740	29.73	19.43
1981-82	3,036	92	2,028	33.04	22.07
1982-83	3,433	94	2,399	36.48	25.49
1983-84	3,966	96	2,703	41.25	28.12
1984-85	4,528	98	2,841	46.16	28.96
1985-86	4,800	100	3,307	48.00	33.07
1986-87	5,587	103	3,485	54.19	33.81
1987-88	6,541	105	3,773	62.02	35.77
1988-89	7,115	108	4,695	65.91	43.49
1989-90	7,732	110	4,705	70.02	42.60
1990-91	8,270	111	4,871	74.77	44.04
1991-92	8,894	112	6,021	79.32	53.70
1992-93	9,206	115	6,906	80.01	60.02
1993-94	9,784	116	7,448	84.19	64.08
1994-95	10,806	117	8,371	92.06	71.32
1995-96	11,474	119	8,996	96.79	75.88
1996-97	11,858	120	9,447	99.03	78.90
1997-98	12,882	127	10,176	101.84	80.44
1998-99	14,450	128	11,352	112.89	88.69
1999-00	15,563	130	12,461	119.71	95.85
2000-01	16,255	132	14,003	123.14	106.08
2001-02	17,445	134	15,243	136.02	113.80
2002-03	18,458	133	16,332	138.36	122.43
2003-04	20,302	135	18,024	149.94	133.11
2004-05	21,408	137	19,196	155.78	139.68
2005-06	22,978	139	20,954	164.73	150.22
2006-07	23,268	141	21,181	164.75	149.97
2007-08	24,946	143	22,622	174.45	158.20
2008-09	26,533	145	23,937	183.26	165.32
2009-10	29,247	146	24,860	200.32	170.27
2010-11	31,355	148	26,652	211.86	180.08
2011-12	35,118	152	29,974	231.65	197.72
2012-13	38,229	154	32,740	248.89	213.15
2013-14	42,195	156	36,233	270.83	232.56
2014-15	45,836	159	39,624	288.22	249.16
2015-16	52,193	161	45,299	324.18	281.36
2016-17	57,276	163	50,264	351.21	308.22
2017-18	62,678	164	55,103	382.18	335.99

Year wise Fuel Consumption of Public Sector Power Plants

Year	Natural Gas in MMCFT	Liquid Fuel in Million liter		Coal (Ten Thousand Ton)
		Furnace oil	HSD, SKO & LDO	
1975-76	8,841.12	81.91	0.39	-
1976-77	10,850.48	75.05	67.97	-
1977-78	13,081.39	80.77	103.35	-
1978-79	14,589.55	128.41	84.50	-
1979-80	15,940.70	103.63	134.58	-
1980-81	18,904.42	68.66	209.44	-
1981-82	22,251.24	77.47	229.56	-
1982-83	27,697.51	120.06	113.20	-
1983-84	30,298.69	175.55	86.63	-
1984-85	38,116.27	201.16	94.23	-
1985-86	39,809.78	283.49	142.51	-
1986-87	51,773.82	199.03	94.35	-
1987-88	59,220.57	231.51	52.00	-
1988-89	62,291.95	122.68	103.58	-
1989-90	72,461.50	53.50	78.02	-
1990-91	78,258.10	17.73	40.64	-
1991-92	83,803.43	68.87	75.78	-
1992-93	88,117.25	127.27	94.21	-
1993-94	92,064.05	122.70	113.79	-
1994-95	103,907.60	118.42	216.80	-
1995-96	106,592.75	75.58	200.49	-
1996-97	107,240.03	124.48	304.13	-
1997-98	120,376.26	108.47	320.11	-
1998-99	136,802.00	53.14	245.05	-
1999-00	141,330.13	137.35	110.49	-
2000-01	151,312.47	114.02	92.01	-
2001-02	151,577.35	102.10	66.00	-
2002-03	131,180.00	154.20	74.08	-
2003-04	134,482.37	209.17	114.32	-
2004-05	141,021.85	229.86	123.75	-
2005-06	153,920.65	204.85	149.61	0.19
2006-07	146,261.67	111.84	119.19	0.51
2007-08	150,991.54	137.11	111.52	0.45
2008-09	1,61,007.68	90.26	112.81	0.47
2009-10	1,66,557.42	9.74	124.69	0.48
2010-11	150,031.41	118.78	137.66	0.41
2011-12	151,047.84	182.48	59.89	0.45
2012-13	175,944.51	266.11	34.97	0.59
2013-14	183,522.79	424.72	175.00	0.54
2014-15	180,765.64	378.13	291.06	0.52
2015-16	207,838.44	439.33	238.22	0.49
2016-17	215,894.52	512.56	347.98	0.59
2017-18	211,341.98	615.35	795.34	0.82



Year Wise Fuel Cost of Public Sector Power Plants

Million Taka

Year	East Zone	West Zone	System Total	% Change over preceding Year
1991-92	3,337	1,484	4,821	-
1992-93	3,803	2,157	5,960	23.62
1993-94	4,085	2,388	6,473	8.61
1994-95	4,951	3,242	8,193	26.58
1995-96	5,072	2,828	7,900	(3.58)
1996-97	4,882	4,376	9,258	17.20
1997-98	5,809	4,479	10,289	11.13
1998-99	7,116	3,325	10,441	1.48
1999-00	7,732	2,080	9,812	(6.02)
2000-01	8,846	2,533	11,378	15.96
2001-02	9,152	2,474	11,626	2.18
2002-03	8,324	3,488	11,813	1.60
2003-04	8,482	4,926	13,409	13.51
2004-2005	9,313	6,757	16,070	19.85
2005-2006	8,945	7,385	16,330	1.62
2006-2007	7,265	9,494	16,759	2.63
2007-2008	8,759	8,194	16,953	1.16
2008-2009	6,624	11,609	18,232	7.54
2009-2010	7,120	9,245	16,364	(10.25)
2010-2011	6,431	12,632	19,063	16.49
2011-2012	13,831	14,740	28,571	49.88
2012-2013	18,885	18,380	37,266	30.43
2013-2014	23,430	32,822	56,252	50.95
2014-2015	23,307	36,946	60,253	7.11
2015-2016	31,753	30,137	61,890	2.72
2016-2017	32,261	35,699	67,960	9.81
2017-2018	55,611	41,420	105,031	54.55

Fuel Price

SL. No.	Fuel Type	Unit price with effect from																			
		06.01.03	08.06.04	01.01.05	04.09.05	26.06.06	02.04.08	01.07.08	27.10.08	23.12.08	13.01.09	15.03.09	01.08.09	01.07.10	05.05.11	01.01.12	01.02.12	04.01.13	01.05.15	24.05.16	01.03.17	01.06.17
1.	High speed Diesel oil (TK./ Lit)	19.83	19.83	22.37	29.18	31.98	40.00	53.43	46.51	44.61	42.71	42.71	42.71	42.71	46.00	61.00	61.00	68.00	68.00	65.00	65.00	65.00
2.	Furnace oil (TK./ Lit)	10.00	12.00	12.00	14.00	14.00	20.00	30.00	30.00	30.00	30.00	26.00	26.00	26.00	42.00	60.00	60.00	60.00	60.00	42.00	42.00	42.00
3.	Natarul Gas (TK./ 1000 Cft)	70.00	70.00	73.91	73.91	73.91	73.91	73.91	73.91	73.91	73.91	73.91	79.82	79.82	79.82	79.82	79.82	79.82	79.82	79.82	84.65	89.46
4.	Coal (US $./ M Ton)					60	60	71.5	71.5	71.5	71.5	71.5	71.5	86.00	86.00	86.00	105.00	105.00	130.00	130.00	130.00	130.00

TRANSMISSION TABLES AND CHARTS

CIRCLE WISE SUB-STATIONS CAPACITY (MVA)

(As of June 2018)

Summary of 400 KV HVDC Sub-station

S.N.	Name of Sub-station	Capacity
01	Bheramara HVDC Back to Back Sub-station	500 MW

Summary of 400/230 KV Sub-station Information

S.N.	Name of Sub-station	Circle	Capacity (MVA)
01	Bibiyana	Cumilla	1040
02	Kaliakoir	Dhaka(N)	520
03	Ashuganj (N) (APSCL)	Cumilla	650
04	Bhulta	Dhaka(S)	1040
Total		**4 No's**	**3250**

Summary of 400/132 KV Sub-station Information

S.N.	Name of Sub-station	Circle	Capacity (MVA)
01	Kaliakoir	Dhaka (N)	650
Total		**1 No's**	**650**

Summary of Grid Circle wise 230/132KV Sub-station

S.N.	Circle Name	PGCB		BPDB/APSCL/NWPGCL		Private	
		No.'s of Sub-station	Capacity (MVA)	No.'s of Sub-station	Capacity (MVA)	No.'s of Sub-station	Capacity (MVA)
01	Bogura	2+1 (Switching)	1500	-	-	-	-
02	Chattogram	1	900	-	-	2	660
03	Cumilla	2	750	1	300	-	-
04	Dhaka (N)	3	1950	1	250	-	-
05	Dhaka (S)	5+1 (Switching)	3225	-	-	-	-
06	HVDC	2	900	1	450	-	-
07	Khulna	2	1050	-	-	-	-
Total		**19**	**10275**	**3**	**1000**	**2**	**660**
Grand Total (MVA)		**24 No.'s**					**11935 MVA**

Summary of Grid Circle wise 132/33KV Sub-station

S.N.	Circle Name	PGCB		BPDB/APSCL		DPDC, DESCO & Others	
		No.'s of S/S	Capacity (MVA)	No.'s of S/S	Capacity (MVA)	No.'s of S/S	Capacity (MVA)
01	Bogura	17	3058.6	-	-	-	-
02	Chattogram	12	1639	2	136.6	7	415
03	Cumilla	16	2380	1	116	-	-
04	Dhaka (N)	19	4008	1	126	7	1560
05	Dhaka (S)	10	2070	-	-	9	1138
06	HVDC	9	1528.3	-	-	1	61
07	Khulna	13	1914	1	60	-	-
Total		**96**	**16597.9**	**5**	**438.6**	**24**	**3174**
Grand Total (MVA)		**125 No's**					**20210.5 MVA**

Synopsis of Transmission Lines

(As of June 2018)

400 KV Transmission Lines

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
1	HVDC Bheramara-Bangladesh Border (Baharampur)	27.35	54.7	Double	Twin Finch	1113 MCM
2	Aminbazar-Meghnaghat*	55	110	Double	Quad Egret	636 MCM
3	Cumilla(N)- Bangladesh Border**	28	56	Double	Twin Finch	1113 MCM
4	Bibiyana-Kaliakoir	169.53	339.06	Double	Twin Finch	1113 MCM
5	Ashuganj(N)-Bhulta	69	138	Double	Twin Finch	1113 MCM
	Total	**348.88**	**697.76**			

* Presently Operated at 230kV
** Presently Operated at 132kV

230 KV Transmission Lines

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
1	Ghorashal-Ishwardi	175	350	Double	Mallard	795 MCM
2	Tongi - Ghorashal	27	54	Double	Mallard	795 MCM
3	Ghorashal - Ashuganj	44	88	Double	Mallard	795 MCM
4	Raojan - Hathazari	22.5	45	Double	Twin 300 sq.mm	
5	Ashuganj - Cumilla North	79	158	Double	Finch	1113 MCM
6	Ghorashal - Rampura	50	100	Double	Twin Mallard	2x795 MCM
7	Rampura - Haripur	22	44	Double	Twin Mallard	2x795 MCM
8	Haripur - Meghnaghat	12.5	25	Double	Twin Mallard	2x795 MCM
9	Meghnaghat - Hasnabad	24.5	49	Double	Twin Mallard	2x795 MCM
10	Cumilla North - Hathazari	151	302	Double	Finch	1113 MCM
11	AES, Haripur - Haripur	2.4	4.8	Double	Finch	1113 MCM
12	Cumilla North - Meghnaghat	58	116	Double	Twin Mallard	2x795 MCM
13	Tongi-Aminbazar	25.2	50.4	Double	Twin AAAC	37/4.176 mm.
14	Aminbazar-Hasnabad	21.5	43	Double	Twin AAAC	37/4.176 mm.
15	Siddhirganj 210 MW P/S -Haripur	1.5	1.5	Single	ACSR	600 sq. mm.
16	Ashuganj - Sirajganj	144	288	Double	Twin AAAC	37/4.176 mm.
17	Khulna-Bheramara HVDC	176.5	353	Double	Twin AAAC	37/4.176 mm.
18	Bheramara HVDC-Ishwardi	10.1	20.2	Double	Twin AAAC	37/4.176 mm.
19	Bogura-Barapukuria	106	212	Double	Twin AAAC	37/4.176 mm.
20	Sirajganj-Bogura	72.5	145	Double	Twin AAAC	37/4.176 mm.
21	Ishwardi-Baghabari	55	110	Double	Twin AAAC	37/4.176 mm.
22	Baghabari-Sirajganj	38	76	Double	Twin AAAC	37/4.176 mm.
23	Fenchuganj-Bibiyana	33.19	67.37	Double	Twin Mallard	2x795 MCM
24	Bibiyana-Cumilla(N)	153.55	307	Double	Twin Mallard	2x795 MCM
25	Aminbazar-Old Airport (O/H)	3.58	7.15	Double	Twin Mallard	2x795 MCM
26	Aminbazar-Old Airport (U/G)	4.01	8.03	Double	XLPE	2000 sq. mm.
27	Siddhirganj-Maniknagar	11	22	Double	Twin Mallard	2x795 MCM
28	Bhola-Barishal	62.5	125	Double	Twin Mallard	2x795 MCM
29	LILO of Cumilla(N)-Hathazari line at BSRM	0.18	0.72	Double	Finch	1113 MCM
30	LILO of Cumilla(N)-Hathazari line at AKSPL	6.5	13	Double	Finch	1113 MCM
31	LILO of Aminbazar-Tongi line at Kaliakoir	31.96	127.83	Four	Twin AAAC	
32	Bheramara HVDC-Bheramara 230	3	12	Double	Twin AAAC	
33	LILO of Ghorashal-Rampura at Bhulta	1.92	3.84	Double	Twin Mallard	2x795 MCM
34	LILO of Haripur-Rampura at Bhulta	2.62	10.49	Four	Twin Mallard	2x795 MCM
35	Haripur-Siddhirganj	1.65	3.3	Double	Twin Mallard	2x795 MCM
	Total	**1633.85**	**3342.62**			

132 KV Transmission Lines

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
1	Shahjibazar-Brahmanbaria	57	114	Double	Grosbeak	636 MCM
2	Brahmanbaria-Ashuganj	16.5	33	Double	Grosbeak	636 MCM
3	Ashuganj-Ghorashal	45.32	90.64	Double	Grosbeak	636 MCM
4	Ghorashal-Narsingdi	13.35	13.35	Single	Grosbeak	636 MCM
5	Narsingdi-Haripur	34.33	34.33	Single	Grosbeak	636 MCM
6	Ghorashal-Bhulta	29.1	29.1	Single	Grosbeak	636 MCM
7	Bhulta-Haripur	15.25	15.25	Single	Grosbeak	636 MCM
8	Haripur-Siddhirganj	2	4	Double	Grosbeak	636 MCM
9	Shahjibazar-Shrimangal	36.2	72.4	Double	Grosbeak	636 MCM

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
10	Shrimangal-Fenchuganj	49	98	Double	Grosbeak	636 MCM
11	Fenchuganj-Fenchuganj PS	3.66	14.64	Four	Grosbeak	636 MCM
12	Fenchuganj-Sylhet	31.7	63.4	Double	ACCC Grosbeak	636 MCM
13	Sylhet-Chhatak	32.9	65.8	Double	Grosbeak	636 MCM
14	Kaptai-Hathazari	45	90	Double	Grosbeak	636 MCM
15	Hathazari-Feni	85.4	170.8	Double	Grosbeak	636 MCM
16	Feni-Cumilla (N)	66	132	Double	Grosbeak	636 MCM
17	Cumilla (N)- Daudkandi	55	110	Double	Grosbeak/AAAC	636 MCM
18	Daudkandi-Sonargaon	61.7	123.4	Double	Grosbeak/AAAC	636 MCM
19	Sonargaon-Haripur	15	30	Double	Grosbeak/AAAC	636 MCM
20	Haripur-Siddhirganj	2.25	4.5	Double	Grosbeak	636 MCM
21	Khulshi-Halishahar	13	26	Double	Grosbeak	636 MCM
22	Cumilla (N)-Chandpur	77.5	77.5	Single	Linnet + Grosbeak	(336.4 + 636) MCM
23	Cumilla (N)-Cumilla (S)	16	16	Single	Grosbeak	636 MCM
24	Cumilla (S)-Chandpur	62	62	Single	Linnet	336.4 MCM
25	Ashuganj-Kishorganj	52	104	Double	Grosbeak (ACSR+ACCC)	636 MCM
26	Kishorganj-Mymensingh	59	118	Double	Grosbeak	636 MCM
27	Mymensingh-Jamalpur	55	110	Double	Grosbeak	636 MCM
28	Madunaghat-Shikalbaha	16.5	16.5	Single	Grosbeak	636 MCM
29	Madunaghat-TKC	8.5	8.5	Single	Grosbeak	636 MCM
30	TKC-Shikalbaha	8.5	8.5	Single	Grosbeak	636 MCM
31	Shikalbaha-Dohazari	32	64	Double	Grosbeak	636 MCM
32	Shikalbaha-Juldah	7.5	7.5	Single	AAAC	804 sq.mm
33	Juldah-Halishahar	8	8	Single	AAAC	804 sq.mm
34	Khulshi-Baroaulia	15	15	single	Grosbeak	636 MCM
35	Khulshi-AKSML	11	11	single	Grosbeak	636 MCM
36	AKSML-Baroaulia	4	4	single	Grosbeak	636 MCM
37	Madunaghat-Khulshi	13	13	Single	Grosbeak	636 MCM
38	Madunaghat-Khulshi	13	13	Single	Grosbeak	636 MCM
39	Kaptai-Chandraghona	11.5	23	Double	Grosbeak	636 MCM
40	Chandraghona-Madunaghat	27	54	Double	Grosbeak	636 MCM
41	Madunaghat-Hathazari	10.2	20.4	Double	Grosbeak	636 MCM
42	Hathazari-Baroaulia	11	22	Double	Grosbeak	636 MCM
43	Dohazari-Cox's Bazar	87	174	Double	Grosbeak	636 MCM
44	Feni-Chowmuhani	32	64	Double	Grosbeak	636 MCM
45	Baroaulia- Kabir Steel	4	4	Single	Grosbeak	636 MCM
46	Mymensingh-Netrokona	34	68	Double	Grosbeak	636 MCM
47	Goalpara-Khulna (C)	1.5	3	Double	AAAC	804 MCM
48	Khulna (C)-Noapara	22.8	45.6	Double	AAAC	804 MCM
49	Noapara-Jessore	27.9	55.8	Double	AAAC	804 MCM
50	Jessore-Jhenaidah	47.5	95	Double	AAAC	804 MCM
51	Jhenaidah-Kushtia	43	86	Double	AAAC	804 MCM
52	Kushtia-Bheramana	23	46	Double	ACCC	804 MCM
53	Bheramara-Ishwardi	10	20	Double	AAAC	804 MCM
54	Ishwardi-Natore	42	84	Double	AAAC	804 MCM
55	Natore-Bogura	61	122	Double	AAAC	804 MCM
56	Bogura-Palashbari	50	100	Double	AAAC	804 MCM
57	Palashbari-Rangpur	52	104	Double	AAAC	804 MCM
58	Rangpur-Saidpur	41.5	83	Double	AAAC	804 MCM
59	Saidpur-Purbasadipur	24.5	49	Double	AAAC	804 MCM
60	Purbasadipur-Thakurgaon	45	90	Double	AAAC	804 MCM
61	Goalpara-Bagerhat	45	45	Single	AAAC	804 MCM
62	Barishal-Bhandaria	49	49	Single	HAWK	477 MCM
63	Bhandaria-Bagerhat	40	40	Single	HAWK	477 MCM
64	Bagerhat-Mongla	28	28	Single	HAWK	477 MCM
65	Barishal-Patuakhali	38.2	38.2	Single	HAWK	477 MCM
66	Bheramara-Faridpur	105	210	Double	HAWK	477 MCM
67	Faridpur-Madaripur	65.5	131	Double	HAWK	477 MCM
68	Madaripur-Barishal	59	118	Double	HAWK	477 MCM
69	Rajshahi-Natore	37	37	Single	HAWK	477 MCM
70	Ishwardi-Baghabari	63	63	Single	HAWK	477 MCM
71	Baghabari-Shahjadpur	5	5	Single	HAWK	477 MCM
72	Ishwardi-Pabna	18	18	Single	Grosbeak	636 MCM
73	Pabna-Shahjadpur	41	41	Single	Grosbeak	636 MCM

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
74	Bogura-Sirajganj	66	132	Double	Grosbeak	636 MCM
75	Sirajganj-Shahjadpur	34	34	Single	Grosbeak	636 MCM
76	Sirajganj-Baghabari	39.7	39.7	Single	Grosbeak	636 MCM
77	Rajshahi-Chapai Nawabganj	48	96	Double	Grosbeak	636 MCM
78	Rangpur-Lalmonirhat	38	38	Single	Grosbeak	636 MCM
79	Bogura-Naogaon	44	88	Double	Grosbeak	636 MCM
80	Kabirpur-Tangail	51	102	Double	Grosbeak	636 MCM
81	Tongi-Mirpur	17	17	Single	Grosbeak	636 MCM
82	Tongi-Uttara	14.5	14.5	Single	Grosbeak	636 MCM
83	Uttara-Mirpur	8.5	8.5	Single	Grosbeak	636 MCM
84	Mirpur-Aminbazar	7	14	Double	Grosbeak	636 MCM
85	Aminbazar-Kallayanpur	4	8	Double	Grosbeak	636 MCM
86	Hasnabad-Lalbagh	30	30	Single	Grosbeak	636 MCM
87	Kamrangirchar-Lalbagh	2.6	2.6	Single	Grosbeak	636 MCM
88	Kallayanpur-Kamrangirchar	11	11	Single	Grosbeak	636 MCM
89	Kallayanpur-Keraniganj	20	20	Single	Grosbeak	636 MCM
90	Hasnabad-Keraniganj	13.6	13.6	Single	Grosbeak	636 MCM
91	Tongi-New Tongi	0.5	1	Double	Grosbeak	636 MCM
92	Hasnabad-Shitalakhya	12.6	12.6	Single	Grosbeak	636 MCM
93	Madanganj-Shitalakhya	4	4	Single	Grosbeak	636 MCM
94	Hasnabad-Shyampur	21	21	Single	Grosbeak	636 MCM
95	Shyampur-Haripur	30	30	Single	Grosbeak	636 MCM
96	Madanganj-Haripur	12.4	12.4	Single	Grosbeak	636 MCM
97	Siddhirganj-Ullon	16	32	Double	Grosbeak	636 MCM
98	Haripur-Matuail	5.65	5.65	Single	Grosbeak	636 MCM
99	Maniknagar-Matuail	16	16	Single	Grosbeak	636 MCM
100	Siddhirganj-Maniknagar	10	10	Single	Grosbeak	636 MCM
101	Maniknagar-Bangabhaban	3	6	Double	Cu.Cable	240 sq.mm
102	Maniknagar-Narinda	5	10	Double	Cu.Cable	240 sq.mm
103	Ullon-Dhanmondi	5.5	11	Double	Cu.Cable	240 sq.mm
104	Ullon-Dhanmondi	5.5	11	Double	XLPE	500 sq.mm
105	Tongi-Kabirpur	22.5	45	Double	Grosbeak	636 MCM
106	Kabirpur-Manikganj	32	64	Double	Grosbeak	636 MCM
107	Ullon-Rampura	4	8	Double	Grosbeak	636 MCM
108	Rampura-Bashundhara	8	16	Double	Grosbeak	636 MCM
109	Bashundhara-Tongi	11	22	Double	Grosbeak	636 MCM
110	Rampura-Moghbazar	4.5	9	Double	Grosbeak	636 MCM
111	Ghorashal-Joydevpur	28	56	Double	Grosbeak	636 MCM
112	Baghabari-Shahjadpur	5.5	5.5	Single	Grosbeak	636 MCM
113	Chandpur-Chowmuhani	68	136	Double	Grosbeak	636 MCM
114	Barapukuria-Rangpur	42	84	Double	Grosbeak	636 MCM
115	Barapukuria-Saidpur	36	72	Double	Grosbeak	636 MCM
116	Madaripur-Gopalganj	45	45	Single	AAAC	804 MCM
117	Khulna (C)-Khulna(S)	9	18	Double	Twin AAAC	37/4.176 mm.
118	Khulna(S)-Satkhira	47	94	Double	AAAC	804 MCM
119	Rajshahi-Natore	40	40	Single	Grosbeak	636 MCM
120	Rampura-Gulshan	3.3	6.6	Double	XLPE	800 sq.mm
121	Shikalbaha-Bakulia	4	8	Double	Grosbeak	636 MCM
122	Juldah-Shahmirpur	6	12	Double	Grosbeak	636 MCM
123	Khulshi-Bakulia	15	30	Double	Grosbeak	636 MCM
124	Haripur-Maniknagar	13	13	Single	Grosbeak	636 MCM
125	Joydevpur-Kodda PP	8	16	Double	Grosbeak	636 MCM
126	Kodda PP-Kabirpur	10	20	Double	Grosbeak	636 MCM
127	Shikalbaha-Shahmirpur	9	18	Double	Grosbeak	636 MCM
128	Khulshi-Halishahar (Open atKhulshi)	13	13	Single	Grosbeak	636 MCM
129	BoguraOld-BoguraNew	1.5	3	Double	Twin AAAC	37/4.176 mm.
130	Ashuganj-Shahjibazar	53	53	Single	Grosbeak	636 MCM
131	Khulna (S) -Gallamari	4.2	8.4	Double	Grosbeak	636 MCM
132	Naogaon-Niyamatpur	46	46	Single	AAAC	804 MCM
133	Aminbazar-Savar	15.8	31.6	Double	Grosbeak	636 MCM
134	Jhenaidah-Magura	26.5	26.5	Single	Grosbeak	636 MCM
135	Jhenaidah-Chuadanga	39.3	39.3	Single	Grosbeak	636 MCM
136	Naogaon-Joypurhat	46.2	46.2	Single	Grosbeak	636 MCM
137	Thakurgaon-Panchagarh	45	45	Single	AAAC	636 MCM

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
138	Sonargaon S/S to Megnaghat Rental PP	5	10	Double	Grosbeak	636 MCM
139	Shiddhirganj to Siddhirganj Dutch Bangla PP	2.4	2.4	Single	Grosbeak	636 MCM
140	Goalpara-Khulna ©	2.4	2.4	Single	XLPE	
141	Noapara PP to Noapara ss	1.6	1.6	Single	Grosbeak	Grosbeak
142	Daudkandi PP to Daudkandi ss	1.3	1.3	Single	Grosbeak	Grosbeak
143	Gopalganj PP to Gopalganj ss	1.2	1.2	Single	Grosbeak	Grosbeak
144	Shiddhirganj desh energy PP to Siddhirganj ss	2.5	2.5	Single	Grosbeak	Grosbeak
145	Faridpur PP to Faridpur -Bheramara	1	1	Single	Grosbeak	Grosbeak
146	Bera PP to Baghabari -Ishwardi line	4.5	4.5	Single	Grosbeak	Grosbeak
147	Amnura PP to Rajshahi-Chapai	12.6	12.6	Single	Grosbeak	Grosbeak
148	Madanganj-Munsiganj	4	8	Double	Grosbeak	Grosbeak
149	Old Airport-Cantonment	6.99	13.98	Double	XLPE	800 sq.mm
150	Fenchuganj- Kulaura	25	50	Double	Grosbeak	636 MCM
151	Jamalpur- Sherpur	20	40	Double	Grosbeak	636 MCM
152	Old Airport-Sajmasjid	8.294	16.588	Double	XLPE	800 sq.mm
153	Rampura-Madertek	4.5	9	Double	XLPE	500 sq.mm
154	Cumilla(N)- Cumilla(S)	19	38	Double	Grosbeak	636 MCM
155	Goalpara-Bagerhat New	45	90	Double	Grosbeak	636 MCM
156	LILO of Kabirpur-Tangail at Kaliakoir	4.28	17.12	Four	Grosbeak	636 MCM
157	Tangail-RPCL	93.44	186.88	Double	Grosbeak	636 MCM
158	Amnura-Chapai Nawabganj	12.6	12.6	Single	Grosbeak	636 MCM
159	Kaliakoir-Dhamrai	22.73	45.46	Double	Grosbeak	636 MCM
160	Rangamati-Khagrachari	52.3	104.6	Double	Grosbeak	636 MCM
161	Chandraghona-Rangamati	27.7	55.4	Double	Grosbeak	636 MCM
162	Chhatak-Sunamganj	32.05	64.1	Double	Grosbeak	636 MCM
163	Beanibazar-Sylhet T-Connection	30	60	Double	Grosbeak	636 MCM
164	LILO of Tongi-Mirpur Single circuit at Uttara 3P	1.1	2.2	Single	XLPE	800 sq.mm
	Total	**4271.09**	**7082.19**			

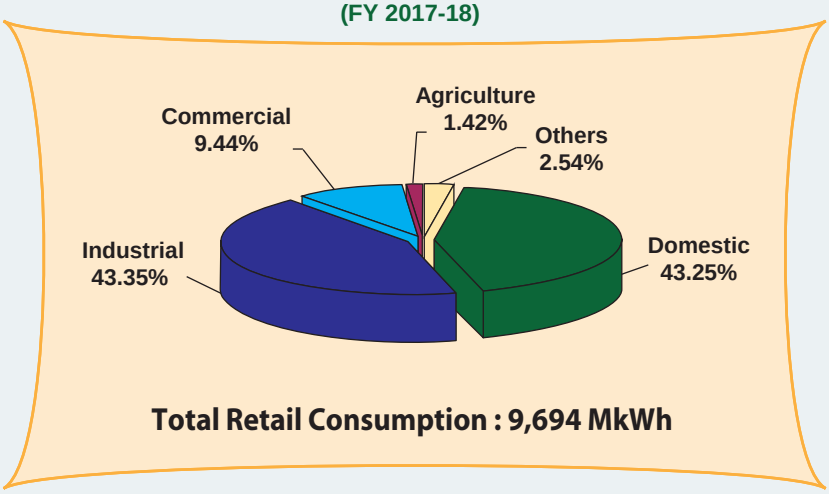
DISTRIBUTION TABLES AND CHARTS

Distribution Zone Wise Energy Import and Energy Sales Statistics of BPDB

Distribution Zone's Name	Energy Imported (MkWh)		Energy Sold (MkWh)		Distribution System loss (%)		
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	% Change over previous year
Mymenshing	1876.76	1984.14	1629.76	1777.99	13.16	10.39	-21.05
Chattogram	3970.65	4152.36	3588.70	3774.81	9.62	9.09	-5.51
Cumilla	1383.73	1450.19	1229.16	1298.66	11.17	10.45	-6.45
Sylhet	912.43	940.72	806.42	833.42	11.62	11.41	-1.81
Large Consumer	1940.22	2009.57	1939.79	2009.17	5.38	4.05	-24.72
Total	**10083.79**	**10536.98**	**9193.83**	**9694.05**	**8.83**	**8.00**	**-9.36**

Consumption Pattern of BPDB

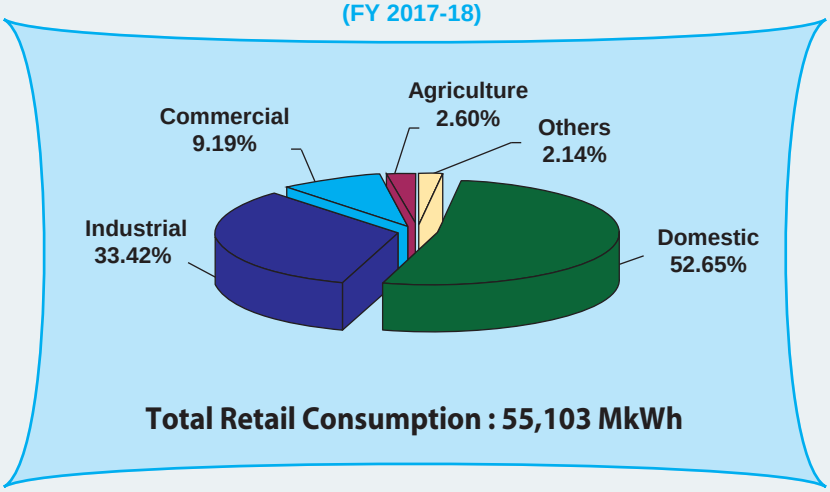
(FY 2017-18)



Total Retail Consumption : 9,694 MkWh

Consumption Pattern of the Country

(FY 2017-18)



Total Retail Consumption : 55,103 MkWh

Distribution Zone Wise Billing and Collection Statistics of BPDB

Distribution Zone's Name	Billed Amount (Million Tk)		Collected Amount (Million Tk)		Accounts Receivable (Million Tk)			Coll/Bill Ratio (%)		C/I Ratio (%)	
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	% increase over the previous year	2016-17	2017-18	2016-17	2017-18
Mymenshing	9,597	10,683	8,748	10,340	5,041	5,000	-0.82	91.16	96.79	79.16	86.73
Chattogram	24,001	25,820	24,187	26,117	3,900	3,545	-9.11	100.77	101.15	91.08	91.95
Cumilla	7,757	8,461	7,610	8,402	1,802	1,874	3.95	98.11	99.30	87.15	88.93
Sylhet	5,273	5,674	5,101	5,368	1,864	2,157	15.70	96.74	94.62	85.5	83.83
Large Consumer	14,245	15,349	15,119	15,851	1,391	865	-37.81	106.14	103.47	106.09	103.47
Total	**60,873**	**65,987**	**60,766**	**66,078**	**13,999**	**13,440**	**-3.99**	**99.82**	**100.14**	**89.94**	**92.13**

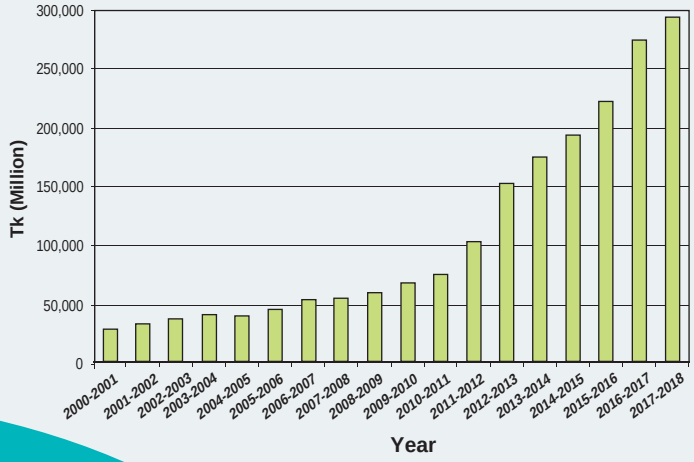
Revenue Collection (Bulk)

Year	Million Taka	% Change over previous year
1995-1996	16,791	7.05
1996-1997	16,015	-4.62
1997-1998	17,199	7.39
1998-1999	16,235	-5.61
1999-2000	22,450	38.28
2000-2001	27,017	20.34
2000-2002	31,373	16.12
2002-2003	36,066	14.96
2003-2004	39,608	9.82
2004-2005	39,177	-1.09
2005-2006	44,284	13.03
2006-2007	52,799	19.23
2007-2008	54,060	2.39
2008-2009	58,922	8.99
2009-2010	66,776	13.33
2010-2011	74,303	11.27
2011-2012	102,242	37.60
2012-2013	151,711	48.38
2013-2014	174,740	15.18
2014-2015	193,013	10.46
2015-2016	222,382	15.22
2016-2017	274,355	23.37
2017-2018	293,725	7.06

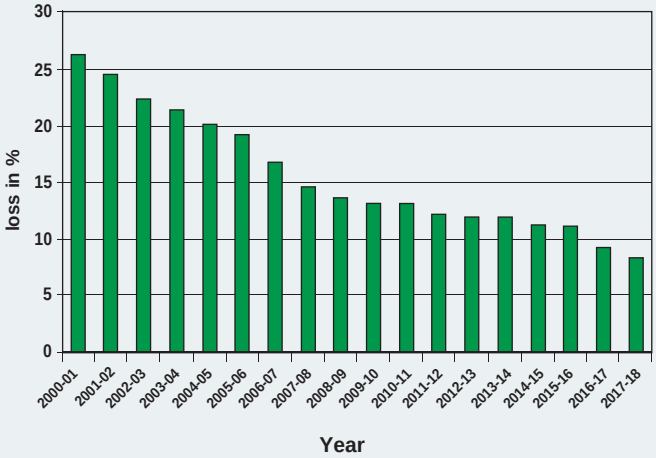
Distribution System Loss (BPDB)

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
2005-06	19.06
2006-07	16.58
2007-08	14.43
2008-09	13.57
2009-10	13.10
2010-11	13.06
2011-12	12.15
2012-13	11.95
2013-14	11.89
2014-15	11.17
2015-16	11.01
2016-17	9.27
2017-18	8.00

Net Revenue Collection



Distribution System Loss



Category Wise Consumer Growth

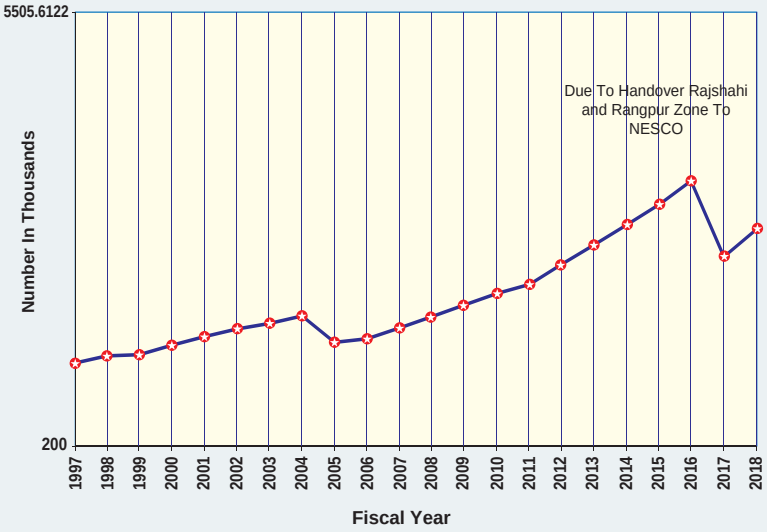
In Nos.

Year	Domestic	Agriculture	Small Industrial	Small Commercial	Large Inds. & Comm.	REB	DPDC/ Others	DESCO	WZPDCL	NESCO	Others	Total	% Increase Over the Preceeding Year
	A	B	C	E	F+H	I1	G1+G2+ G3	I2	I3	I4	D+J		
1981-82	390,450	5,549	40,703	204,834	1,403	16	-	-	-	-	2,121	645,076	-
1982-83	418,532	6,603	34,595	205,629	1,531	22	-	-	-	-	2,287	669,199	3.74
1983-84	461,043	7,754	35,762	214,250	1,632	25	-	-	-	-	7,119	727,585	8.72
1984-85	518,532	8,637	39,730	226,670	1,657	33	-	-	-	-	8,508	803,767	10.47
1985-86	574,907	11,773	42,688	244,703	1,798	37	-	-	-	-	12,704	888,610	10.56
1986-87	632,814	10,885	45,666	257,510	1,931	48	-	-	-	-	14,238	963,092	8.38
1987-88	697,254	12,279	47,057	266,258	1,922	51	-	-	-	-	13,568	1,038,389	7.82
1988-89	784,951	14,104	48,659	285,629	2,027	59	-	-	-	-	16,253	1,151,682	10.91
1989-90	815,059	10,705	47,454	281,818	2,975	67	-	-	-	-	16,494	1,174,572	1.99
1990-91	853,959	12,828	48,479	287,498	3,251	77	-	-	-	-	17,872	1,223,964	4.21
1991-92	606,627	11,675	35,943	231,450	1,294	82	6	-	-	-	15,924	903,001	-26.22
1992-93	649,173	16,670	36,969	230,096	1,375	93	6	-	-	-	18,227	952,609	5.49
1993-94	708,118	17,854	38,395	237,922	1,437	102	6	-	-	-	22,015	1,025,849	7.69
1994-95	750,273	17,974	39,702	245,234	1,486	118	6	-	-	-	20,941	1,075,734	4.86
1995-96	811,370	19,807	41,313	260,167	1,514	130	6	-	-	-	22,365	1,156,672	7.52
1996-97	858,354	17,878	42,248	267,197	1,595	143	6	-	-	-	22,711	1,210,132	4.62
1997-98	923,117	18,387	43,856	283,032	1,714	158	6	-	-	-	23,393	1,293,663	6.90
1998-99	963,319	17,142	43,742	287,636	1,748	178	6	-	-	-	23,099	1,336,870	3.34
1999-00	1,043,977	17,872	44,793	299,896	1,801	179	6	-	-	-	24,293	1,432,817	7.18
2000-01	1,134,074	18,293	45,816	316,629	1,890	182	6	-	-	-	25,760	1,542,650	7.67
2001-02	1,221,324	17,215	46,068	331,224	1,999	199	6	-	-	-	26,720	1,644,755	6.62
2002-03	1,270,727	15,084	44,432	331,997	2,038	212	6	-	-	-	25,955	1,690,451	2.78
2003-04	1,359,724	14,284	44,018	347,635	2,183	246	4	1	-	-	26,863	1,794,958	6.18
2004-05	1,114,679	12,484	34,472	273,957	1,867	266	4	1	1	-	21593	1,459,324	-18.70
2005-06	1,165,265	14,911	34,574	280,079	2,010	275	4	1	1	-	21771	1,518,891	4.08
2006-07	1,272,144	17,693	35,561	297,213	2,163	184	5	1	1	-	23450	1,648,415	8.53
2007-08	1,385,424	21,191	37,065	312,041	2,299	185	5	1	1	-	25083	1,783,295	8.18
2008-09	1,495,195	25,175	39,114	333,818	2,534	185	5	1	1	-	26333	1,922,361	7.80
2009-10	1,621,596	28,724	40,903	345,605	2,689	185	6	1	1	-	27628	2,067,338	7.54
2010-11	1,704,936	30,523	41,607	351,673	2,846	185	7	1	1	-	27846	2,159,625	4.46
2011-12	1,947,827	36,506	43,241	372,245	3,184	70	7	1	1	-	28973	2,432,055	12.61
2012-13	2,146,940	39,810	44,809	386,947	3,464	70	9	1	1	-	31968	2,654,019	9.13
2013-14	2,378,278	45,042	45,792	396,776	3,780	71	9	1	1	-	31559	2,901,309	9.32
2014-15	2,606,764	49,937	47,215	416,197	4,125	71	10	1	1	-	32783	3,157,104	8.82
2015-16	2,868,941	54,952	48,764	444,140	4,471	82	12	1	1	-	35899	3,457,263	9.51
2016-17	2,111,564	32,951	31,396	321,931	3,513	84	13	1	1	1	25,227	2,526,68	-26.92 ☆
2017-18	2,360,627	34,807	38,041	336,526	3,848	85	14	1	1	1	28,000	2,801,951	10.89

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

☆ Due to Handover of Rajshahi & Rangpur Zone to NESCO.

Consumer Growth



Electrification of Thana Villages and Pumps

Year	Upazila/ Thana (Nos.)	Village (Nos.)	Hat/Bazar (Nos.)	Deep, Shallow & Low Lift Pumps (Nos.)
1971-72	111	250	--	551
1972-73	123	300	--	551
1973-74	133	326	--	594
1974-75	161	500	--	710
1975-76	237	1024	--	984
1976-77	295	1424	410	1280
1977-78	321	1518	448	1911
1978-79	335	1596	481	2317
1979-80	357	1675	506	4406
1980-81	377	1675	786	6155
1981-82	388	1956	903	7270
1982-83	403	2054	1050	8287
1983-84	417	2104	1078	8559
1984-85	422	2191	1096	8762
1985-86	432	2361	1181	9368
1986-87	437	2461	1231	9593
1987-88	437	2561	1275	9875
1988-89	438	2612	1326	10428
1989-90	438	2,657	1,371	11,031
1990-91	438	2,717	1,391	12,331
1991-92	438	2,767	1,411	14,033
1992-93	438	2,807	1,431	16,023
1993-94	438	2,837	1,446	16,943
1994-95	443	2,867	1,466	17,193
1995-96	443	2,927	1,513	18,622
1996-97	443	3,017	1,581	19,774
1997-98	443	3,061	1,613	19,969
1998-99	443	3,111	1,668	20,157
1999-00	443	3,201	1,718	20,307
2000-01	443	3,292	1,768	20,467
2001-02	443	3,356	1,858	20,687
2002-03	443	3,400	1,958	20,812
2003-04	443	3,432	2,040	20,928
2004-05	443	3,478	2,080	20,993
2005-06	443	3,495	2,113	21,020
2006-07	443	3,495	2,113	21,020
2007-08	443	3,495	2,113	21,020
2008-09	221	4,204	1,410	26,572
2009-10 *	236	4,792	1,626	29,626
2010-11 *	236	4,792	1,780	30,405
2011-12 *	236	4,810	1,880	30,933
2012-13 *	236	5,344	1,863	36,232
2013-14 *	243	5,393	2,044	43,822
2014-15 *	246	5,735	2,138	45,010
2015-16 *	256	5,947	2,241	41,835
2016-17 **	173	3,778	1,389	28,018
2017-18 **	175	4,023	1,443	28,020

* Excluding DPDC, DESCO, WZPDCO & REB

** Excluding DPDC, DESCO, WZPDCO , NESCO & REB

Total Electrified Areas & Consumer Numbers of BPDB

(As of June 2018)

Sl. No.	Name of Divi./ESU	Total Electrified Area					Total Consumers
		Thana/ Upazila	Ward	Village	Hat / Bazar	Deep, Shallow & Low Fit Pump	
	Southern Zone, Chattogram						
	O & M Circle, Chatta-Metro (East)						
1	S&D Patharghata	3	6	0	8	0	50280
2	S&D Stadium	2	5	0	0	0	34856
3	S&D Sholoshahar	4	4	0	6	0	63227
4	S&D Kalurghat	4	6	0	4	0	57830
5	S&D Bakalia	5	5	0	10	9	73217
6	S&D Madarbari	2	3	0	0	0	31446
	O & M Circle, Chatta-Metro (West)						
7	S&D Agrabad	3	5	0	0	0	46450
9	S&D Halishahar	3	8	0	0	0	42554
8	S&D Khulshi	2	3	0	4	0	41994
10	S&D Pahartali	4	6	0	6	0	71268
11	S&D Rampur	2	3	0	4	0	51340
12	S&D Newmooring	3	2	0	5	0	36647
	O & M Circle, Chatta-Metro (North)						
13	DD Fouzderhat	1	9	20	14	0	24676
	Sandwip Electric Supply	1	15	15	10	0	2693
14	S&D Hathazari	1	26	40	17	24	28331
15	S&D Barabkunda	1	37	90	32	19	42581
16	S&D Mohora	2	23	39	8	18	30191
	O & M Circle, Chatta-Metro (South)						
17	Dist. Divn. Patiya	6	72	220	56	200	61475
18	Dist. Divn. Cox's Bazar	7	176	409	57	477	82949
	O & M Circle, Rangamati						
19	Dist. Divn. Khagrachari	12	164	370	60	148	54267
20	Dist. Divn. Rangamati	8	99	240	24	23	45914
21	Bandarban	4	110	285	28	7	16010
	Sub Total	**80**	**787**	**1728**	**353**	**916**	**990199**
	Cumilla Zone						
	O & M Circle, Cumilla						
1	S&D-1, Cumilla	3	20	97	22	135	59344
2	Burichang E/S	1	2	4	8	20	10950
3	S&D-2 Cumilla	2	4	120	30	210	48538
4	Chauddagram E/S	1	9	71	5	216	12861
5	S & D-3. Cumilla	1	10	72	6	137	35117
6	S & D, Daulatganj	1	5	20	5	525	22512
7	S & D Chandpur	1	15	25	11	13	52247
8	B-Baria	3	6	77	16	679	75006
9	S & D, Ashuganj	1	3	11	5	74	18931
10	S & D, Sarail	1	3	17	6	426	29222
	O & M Circle, Noakhali						
11	Maijdi (Noakhali)	3	14	37	24	21	55128
12	S & D, Chaumuhini	1	12	9	8	1	30739
13	S&D-Feni	2	18	10	3	115	59049
14	Bashurhat E/S	-	-	-	-	-	17332
15	S&D-Laxmipur	1	12	12	1	110	27861
16	Hatiya E/S	1	6	20	15	0	2273
	Sub Total	**23**	**139**	**602**	**165**	**2682**	**557110**

Sl. No.	Name of Divi./ESU	Total Electrified Area					Total Consumers
		Thana/ Upazila	Ward	Village	Hat / Bazar	Deep, Shallow & Low Fit Pump	
	Central Zone, Mymenshing						
	O & M Circle, Mymensingh						
1	S & D -1 (N)	3	43	90	50	1250	71934
2	S & D -2 (S)	2	70	98	30	1301	62594
3	S & D -3	3	20	45	42	3075	48624
4	S & D Fulpur	3	30	55	40	1679	38611
5	S & D Trishal	1	32	80	28	464	34917
6	S & D Goffargoan	1	15	70	42	1107	44643
7	Netrokona E/S	1	9	20	8	1491	36621
8	Dist.Div.Kishorgonj	1	20	60	15	204	46812
9	S & D Bajitpur	1	10	60	17	266	16589
10	Bhairab E/S	2	30	60	26	669	58601
11	Sist. Div. Sherpur	5	30	110	82	3382	70434
12	S&D,Valuka	1	23	72	29	932	22099
	O & M Circle, Tangail						
13	S & D, Jamalpur	1	12	37	9	744	50659
14	Sharishabari E/S	2	12	39	7	513	17034
15	S & D, Ghatail	2	28	39	38	785	29590
16	S & D, Shakhipur	7	29	75	55	1225	50617
17	S & D, Bhuapur	4	20	25	25	1585	32934
18	S & D, Kalithati	2	25	33	33	692	30645
19	S & D-1, Tangail	1	15	68	16	685	37108
20	S & D-2,Tangail	3	17	52	57	1125	42416
21	S & D-3,Tangail	1	7	48	10	1065	18370
	Sub Total	**47**	**497**	**1236**	**659**	**24239**	**861852**
	Sylhet Zone						
	O & M Circle, Sylhet						
1	S & D-1	1	15	4	15	-	58451
2	S & D-2	1	10	55	31	-	73805
3	S & D-3	1	4	12	44	15	32813
4	S & D-4	2	4	17	17	9	34286
5	S & D-Sunamgonj	3	9	6	14	10	19280
6	S & D-Chatak	4	9	48	40	55	27605
7	Derai E/S	2	10	42	34	17	9600
	O & M Circle, Moulavibazar						
8	Dist. Div. Moulavibazar	1	7	14	9	-	23757
9	S & D-Hobigonj	2	9	25	11	49	26507
10	S & D-Kulaura	4	9	80	18	-	31483
11	Jogonnathpur E/S	1	9	84	18	16	15930
12	Jaintapur E/S	3	38	70	15	12	14458
	Sub Total	**25**	**133**	**457**	**266**	**183**	**367975**
	Total	**175**	**1556**	**4023**	**1443**	**28020**	**2777136**

Synopsis of Distribution lines of BPDB

(As of June 2018)

Name of the Divn. /ESU	Name of Sub-station	33 KV Feeder Length (km)	11 KV Feeder Length (km)	0.4 KV Feeder Length (km)
Southern Zone, Chattogram				
O & M Circle, Chatta-Metro (East)				
S & D Pathargahta	Patharghata	19	40	56
S & D Stadium	Stadium	29	79	99
S & D Sholoshar	Sholoshahar	60	82	115
S & D Kalurghat	Kalurghat	23	50	75
	Muradpur	12	26	47
S & D Bakulia	Bakulia	0	112	204
S & D Madarbari	Madarbari	12	55	105
O & M Circle, Chatta-Metro (West)				
S & D Agrabad	Agrabad	33	97	128
S & D Khulshi	Khulshi	9	27	21
	Jalalabad	8	42	34
S & D Halisahar	Halishahar	35	55	73
	Patenga	10	47	71
S & D Pahartali	Pahartali	24	131	179
S & D Rampur	Rampur	21	61	97
S & D Newmoring	Newmoring	19	51	102
O & M Circle, Chatta-Metro (North)				
Dist. Divn. Fouzderhat	Fouzderhat	8	62	90
	Baroulia	47	55	50
Sandwip Electric Supply	Sandwuip	0	47	30
S & D Hathazari	Hathazari	2	115	170
	Fateyabad	8		
S & D Barabkunda	Barabkunda	37	90	138
S & D Mohara	Madughat	20	0	0
	Mohara	15	180	220
O & M Circle, Chatta-Metro (South)				
Dist. Divn. Potiya	Patiya	0	29	49
	Fishharbor	0	31	40
	Sikalbhaha	77	28	41
	Julda	21	16	24
	Sahmirpur	19	0	0
	Dohazari	42	25	68
	Satkania	0	24	59
Dist. Divn. Cox's Bazar	Zilonza	55	140	160
	Kolatoli	10	20	35
	Aziznagar	65	23	10
	Lama	0	84	32
	Chakaria	22	26	53
O & M Circle, Rangamati				
Dist. Divn. Rangamati	Vedvedi 33/11 KV	167	45	135
	Majerbosti 33/11 KV	6	80	143
	Kawkhali 33/11 KV	14	10	18
	Ghagra 33/11 KV	0	90	55
	Kaptai Academy 33/11 KV	16	45	48
	Kaptai 132/33/11 KV	0	45	65
	Bangalhalia 33/11 KV	17	16	25
	Marishya 33/11 KV	23	20	40
Dist. Divn. Khagrachari	Manikchari 33/11 KV	30	90	115
	Jaliapara (Matiranga) 33/11 KV	50	40	65
	Ramgarh 33/11 KV	70	45	71
	Khagrachari 33/11 KV	126	65	206
	Panchari 33/11 KV	35	46	95
	Dighinala 33/11 KV	35	150	220
	Mohalchari 33/11 KV	62	90	110

Name of the Divn. /ESU	Name of Sub-station	33 KV Feeder Length (km)	11 KV Feeder Length (km)	0.4 KV Feeder Length (km)
Dist. Divn Bandarban	Office	48	20	15
	Kachinghata	4	15	9
	Y-Junction	20	142	65
	Thanchi	35	183	72
Sub Total		**1519**	**3185**	**4245**
Cumilla Zone				
O & M Circle, Cumilla				
S & D- 1, Cumilla	Kotbari	57	40	91
	Kaliajuri	10	133	243
Burichang E/S	Palpara	8	45	105
S & D- 2, Cumilla	Balutupa	32	107	228
Chouddagram E/S	Chouddagram	33	32	11
S & D- 3, Cumilla	Jangalia	0	37	135
S & D , Daulatganj	Daulatgonj	35	38	150
S & D, Chandpur	Balur Math	2	32	100
	Puran Bazar	0	30	82
B. Baria E/S	Datiara	8	96	123
	Ghatura	25	100	68
S & D, Ashuganj	Kalabagan	0	30	32
	Shahbazpur	6	40	85
S & D, Sarail	Kuttapara	12	15	
O & M Circle, Noakhali				
Maijidee E/S	Maijdee	10	15	35
	Datterhat	20	74	165
Chowmuhani E/S	Chamuhani	0	81	189
Hatiya E/S	Hatya	0	60	30
S & D, Laxmipur	Laxmipur	75	59	350
S&D.Feni	Mohipal	81	35	200
	Sultanpur	10	40	
Bosurhat E/S	Dagonbuyan	13	25	70
Sub Total		**437**	**1164**	**2492**
Central Zone, Mymensingh				
O & M Circle, Mymensingh				
S & D- 1 (North)	Akua	27	92	145
	Batircal	6	75	90
S & D- 3	Shambugonj	14	50	85
	Gauripur	36	47	100
	Issorgonj	20	30	80
S & D Fulpur	Fulpur	18	66	165
	Haluaghat	12	78	100
S & D- 2 (South)	Kewatkhali	0	235	165
	Akua BiPas	5	92	145
S & D Trishal	Trishal	38	120	98
S & D Goffargoan	Maijbari	12	60	70
	Goffargoan	54	110	180
S & D Netrokona	Satpai Netrokona	7	75	135
S & D Bhairab	Bhairab	28	55	97
	Kuliachor	20	40	70
S & D Sherpur	Sherpur	40	95	180
	Nakla	13	35	75
	Nalitabari	17	37	65
	Jinaighat	17	32	70
	Sribordi	18	30	75
Dist. Divn. Kishorgonj	Josodal	0	115	90
	Mollapara	11	55	25
S & D Bajitpur	Sararchar	55	120	135
S & D Bhaluka	Bhaluka	45	80	125

Name of the Divn. /ESU	Name of Sub-station	33 KV Feeder Length (km)	11 KV Feeder Length (km)	0.4 KV Feeder Length (km)
O & M Circle, Tangail				
Jamalpur E/S	Bojrapur	56	220	350
	Shahpur			
	Shekhervita			
Sharishabari E/S	Sharishabari	26	103	88
Ghatail E/S	Ghatail	45	130	368
S & D Shakipur	Kutubpur	24	55	45
	Nalua	20	140	230
	Shakipur	25	410	620
S & D Bhuapur	Bhuapur	29	155	340
S & D Kalihati	Kalihati	32	95	410
S & D -1 Tangail	Betka	41	170	362
S & D -2 Tangail	Kachuadanga	22	217	560
S & D -3 Tangail	Elenga	11	85	140
Sub Total		**844**	**3604**	**6078**
Sylhet Zone				
O & M Circle, Sylhet				
S & D -1	Ambarkhana	7	113	310
	Shekhghat	4	42	130
S & D -2	Upshahar	22	137	222
	Botessor	28	86	260
	MC Collage	10	28	58
-	Ring Feeder	11	0	0
S & D -3	Boroikandi	11	149	350
S & D -4	Kumargaon	1	149	250
S & D Sunamgonj	Sunamgonj	60	70	160
S&D Chatak	Chatak	95	40	90
	Jawa bazar	13	110	350
Derai E/S	Derai	41	90	210
O & M Circle, Moulovibazar				
Dist. Div. Moulvibazar	Bajbari	25	136	220
	Shamostafa	45	86	160
S & D Hobigonj	Hobigonj	29	74	325
S & D Kulaura	Juri	-	127	-
	Kulaura	141	0	688
Jogonnathpur E/S	Jogonnathpur	45	112	258
Jaintapur E/S	Jaintapur	30	75	215
Sub Total		**618**	**1624**	**4256**
Total		**3418**	**9577**	**17071**

BPDB Volleyball Team, the Champion of National Volleyball Tournament-2017 receiving Champion Trophy from Hon'ble Agricultural Minister Begum Matia Chowdhury

Dhaka Premier Division Volleyball League Champion BPDB Team celebrating with Champion Trophy

33/11 KV Sub-stations of BPDB

(As of June 2018)

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
	SOUTHERN ZONE, CHATTOGRAM			
	O & M Circle, Chatta-Metro (East)			
1	S & D Patharghata	Patharghata	3x16/20	40
2	S & D Stadium	Stadium	3x16/20	38
3	S & D Sholoshar	Sholoshar	1x16/20	38
			2x16	
4	S & D Kalurghat	Kalurghat	1x16/20	34
			1x16	
		Muradpur	2x16/20	34
5	S & D Bakalia	Bakalia	2x16/20	36
6	S & D Madarbari	Madarbari	2x16/20	28
	O & M Circle, Chatta-Metro (West)			
7	S & D Agrabad	Agrabad	2x16/20	50
			1x20/26.66	
8	S & D Halisahar	Halisahar	2x16/20	24
		Patenga	2x16/20	10
9	S & D Khulshi	Khulshi	2x16/20	38
		Jalalabad	2x16/20	32
10	S & D Pahartali	Pahartali	2x16/20	41
			1x20/26.66	
11	S & D Newmooring	Newmooring	2x16/20	30
12	S & D Rampur	Rampur	3x16/20	38
	O & M Circle, Chatta-Metro (North)			
13	Dis. Div. Fouzderhat	Baroulia	2 x 16/20	25
		Fouzderhat	2 x 16/20	30
	Sandwip electric supply	Power House	1.25	2
14	S & D, Hathazari	Hathazari	1 x 16/20	12
			1 x 10/13.33	
		Fateybad	2 x 10/13.33	9
15	S & D Barabkunda	Barabkunda	2 x 16/20	24
16	S & D Mohara	Mohara	2 x 16/20	23
		Rangunia Sub Station	1 x 5	3
	O & M Circle, Chatta-Metro (South)			
17	Dist. Divn. Patiya	Patiya	2x10/12 + 10/13.33	9
		Fishharbor	2x10	15
		Julda	2x16/20	7
		Shikalbaha	1x16/20 + 10/13.33	10
		Dohazari	1x16/20	6
		Satkania	2x5/6.67	4.5
18	Dist. Divn. Cox's Bazar	Zilonza	2x16/20	32
		Chakaria	1x10/13	8.5
		Aziznagar	1x5/6.5	3
		Kolatoli	2x10/13.33	14
		Lama	1x5/6.5	4
	O & M Circle, Rangamati			
19	Dist. Divn. Rangamati	Vedvedi 33/11 KV	2 x 5	7.5
		Majerbosti 33/11 KV	1 x 10/13.33	6
		Kawkhali 33/11 KV	1 x 5	1.5
		Ghagra 33/11 KV	1 x 5	2.5
		Kaptai Academy 33/11 KV	2 x 3	1.3
		Kaptai 132/33/11 KV	1 x 20	6.5
		Bangalhalia 33/11 KV	1 x 5	1.5
		Marishya 33/11 KV	1 x 5	1.5

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
20	Dist. Divn. Khagrachari	Khagrachari 33/11 KV	2´5.00	10
		Panchari	1´5.00	2.5
		Ramgarh	3x1.667	2.5
		Jaliapara	3x1.667	2.5
		Dighinala	3x1.667 + 1×5.00	5
		Manikchari	1´5.00	2.5
		Mohalchari	1´5.00	2
21	Dist. Divn. Bandarban	Adjacent to Office	2x5/6.67	6
		Kasing Ghata	3X1.667	3.5
		Y-Junction	1x5/6.67	1
		Bolipara	3X1.667	1
	Sub Total	**53**	**1127/1428.66**	**809**
	CUMILLA ZONE			
	O & M Circle, Cumilla			
22	S & D-1, Cumilla	Kotbari	3x10/13.33 + 20/26	24
		Kaliajori	2x10/13.33	25
			1x16/20	
23	Burichang E/S	Palpara	1x5	4
24	S & D-2, Cumilla	Balutupa	3x10/13.33	22
25	Chouddagram E/S	Chouddagram	1x5	8
			1x3	
26	S & D-3, Cumilla	Jangalia	2x10/13.33	24
			2x16/20	
27	S & D Daulatgonj	Daulatgonj	1x10/13.33	10
			1x16/20	
			1x5	
28	S & D, Chandpur	Balur Math	2x10/13.33	16
		Puran Bazar	1x5	10
			1x10/13.33	
29	B.Baria E/S	Datiara	1x10/13.33	26
			2x16/20	
		Ghatura	3x10/13.33	20
30	S & D Ashugonj	Kalabagan	2x10/13.33	20
31	S & D Sarail	Shabazpur	2x5	6
		Kuttapara	2x10/13.33	8
	O & M Circle, Noakhali			
32	S & D Feni	Mohipal	4x10/13.33	22
		Sultanpur	2x10/13.33	10
33	Bosurhat E/S	Dagonbuyan	2x10/13.33	12
34	Maijdee E/S	Maijdee	2x10/13.33 + 16/20	20
		Datterhat	1x10/13.33	8
35	S&D Chamuhani	Chamuhani	3x10/13.33	20
36	S & D, Laxmipur	Laxmipur	2x10/13.33	10
	Sub Total	**21**	**545/705**	**325**
	CENTRAL ZONE, MYMENSINGH			
	O & M Circle, Mymenshingh			
37	S & D -1 (North)	Akua	2x10/13.33	18
		Batircal	2x10/13.33	16
38	S & D -Fulpur	Fulpur	2X10/13.33	14
		Haluaghat	2X5/6.67	6

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
39	S & D -3	Shambuganj	2X10/13.33	16
		Gauripur	2X10/13.33	8
		Isshorganj	2X5/6.67	6
40	S & D -2 (South)	Kewatkhali	3x10/13.33	26
		Akua Bipass	2x10/13.33	16
41	S & D Trishal	Trishal	2x10/13.33	14
42	S & D Bhaluka	Bhaluka	2x10/13.33	13
43	S & D Goffargoan	Maijbari	2x5/6.66	7
		Goffargoan	2x10/13.33	15
		Balipara	1x5/6.66	3
44	S&D Netrokona	Satpai Netrokona	2x10/13.33	16
45	S&D Bhairab	Bhairab	4x10/13.33	26
		Kuliachor	2x5/6.66	6
46	S&D Sherpur	Sherpur	1x16/20	28
			1x10/13.33	
		Nalitabari	2X5/6.67	8
		Nakla	2X5/6.67	6
		Jinaigati	2 X 5/6.67	6
		Sribordi	2 X 5/6.67	6
47	Dist. Divn. Kishoregonj	Josodal	2x10/13.33	12
		Mollapara	2x10/13.33	14
48	S&D Bajitpur	Sararchar	2x10/13.34	11
	O & M Circle,Tangail			
49	S & D-1 Tangail	Batka	3x10/13.33	28
		Boilla	2x10/13.33	6
50	S & D-2 Tangail	Kachuadanga	3x10/13.33	19
51	S & D-3 Tangail	Elenga	2x10/13.33	10
52	S & D Bhuapur	Bhuapur	3x10/13.33	16
53	S & D Ghatail	Ghatail	2x10/13.33+20/26	25
54	S & D Khalihati	Kalihati	3x10/13.33	16
55	S & D Shakipur	Shakipur	2x10/13.33	14
		Kutubput	2x5/6.66	6
		Nalua	2x5/6.66	5
56	S & D Jamalpur	Bojrapur	1x10/13.33	8
		Shapur	2x10/13.33	10
		Shekhervita	2x10/13.33	14
57	S & D Sharishabari	Sharishabari	2x10/13.33	10
Sub Total		**39**	**746/992**	**504**
	SYLHET ZONE			
	O & M Circle, Sylhet			
53	S & D 1 Sylhet	Ambarkhana	2x10/13.33	30
			2x 20/26.66	
		Shekhghat	2x10/13.33	15
54	S & D 2 Sylhet	Upashahar	4x10/13.33	26
		MC Collage	2x10/13.33	10
		Botessor	2x10/13.33 + 20/26	28
55	S & D 3	Boroikandi	5x10/13.33	23
56	S & D 4	Kumargaon-1	2x10/13.33	18
		Kumargaon-2	1x10/13.33	
57	S & D Sunamgonj	Sunamgonj	2x10/13.33	12
58	S & D Chatak	Jawa Bazar	2x5	4
		Chattak	2x10/13.33	13
59	Derai E/S, Sunamganj	Derai	2x5	6

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
	O & M Circle, Moulovibazar			
60	Jogonnanthpur E/S	Jogonnanthpur	3x5	10
61	Jaintapur E/S	Jaintapur	2x5	6
62	Dist. Divn. Moulovibazar	Bajbari	2x10/13.33	8
		Moulovibazar-2	2x10/13.33	10
63	S & D Hobigonj	Hobigonj	3x10/13.33	15
64	S & D, Kulaura	Juri	2x5	4
		Kulaura	2x10/13.33	14
Sub Total		**19**	**445/573**	**252**
Total		**132**	**2863/3698**	**1890**

A meeting on 'Power System Master Plan-2016' presided over by Hon'ble Adviser to the Prime Minister Dr. Tawfiq-e-Elahi Chowdhury BB

Hon'ble State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid MP talking to the officers at the control room during his visit to Barapukuria Power Plant

Signing of EPC Contract between B-R Powergen and Sinohydro Corporation for construction of Mirsarai 150 MW Power Plant

BPDB Chairman Engr. Khaled Mahmood visiting the construction and repowering works of Ghorashal Power Plant

Distribution Sub-stations of BPDB

(As of June 2018)

Name of ESU / Division	Distribution Transformer 11/0.4 KV									
	1000 KVA (Nos.)	500 KVA (Nos.)	315 KVA (Nos.)	300 KVA (Nos.)	250 KVA (Nos.)	200 KVA (Nos.)	100 KVA (Nos.)	50 KVA (Nos.)	Others KVA (Nos.)	Total Capacity (MVA)
Southern Zone, Chattogram										
O & M Circle, Chatta-Metro (East)										
S & D Patharghata	0	0	1	0	257	60	14	0	0	77.965
S & D Stadium	0	0	1	0	212	28	13	0	0	60.215
S & D Sholoshar	0	0	0	0	269	65	31	0	0	83.35
S & D Kalurghat	0	0	0	0	241	50	8	0	0	71.05
S & D Bakalia	0	0	0	0	195	45	11	0	0	58.85
S & Madarbari	0	0	0	0	163	25	7	0	0	46.45
O & M Circle, Chatta-Metro (West)										
S & D Agrabad	0	0	0	0	290	90	10	0	0	91.5
S & D Khulshi	0	0	0	0	194	45	26	0	0	60.1
S & D Halisahar	0	0	0	0	166	32	23	0	4	50.24
S & D Pahartali	0	0	0	0	282	50	21	0	0	82.6
S & D Rampur	0	0	0	0	186	32	10	0	0	53.9
S&D Newmooring	0	0	0	0	163	34	4	0	2	47.97
O & M Circle, Chatta-Metro (North)										
DD- Fouzderhat	0	0	0	0	82	67	41	5	124	39.49
Sandwip Electric Supply	0	0	0	0	4	6	15	2	0	3.8
S & D, Hathazari	0	0	0	0	71	38	35	2	54	29.49
S & D, Barabkunda	0	0	0	1	119	65	55	0	0	48.55
S & D Mohara	0	0	0	0	141	12	18	0	53	39.98
O & M Circle, Chatta-Metro (South)										
Dist. Divn. Patiya	0	0	0	0	222	113	56	0	27	83.97
Dist. Divn. Cox's Bazar	0	0	0	0	225	117	132	23	36	94.36
O & M Circle, Rangamati										
Dist. Divn. Rangamati	1	1	2	0	20	50	220	50	65	42.28
Dist. Divn. Khagrachari	0	0	1	0	5	85	185	70	136	41.925
Dist. Divn. Bandarban	0	0	0	0	21	53	103	38	33	28.38
Sub Total	**1**	**1**	**5**	**1**	**3528**	**1162**	**1038**	**190**	**534**	**1236.415**
Cumilla Zone										
O & M Circle, Cumilla										
S&D-1, Cumilla	0	0	0	0	62	100	145	0	2	50.02
Burichong E/S	0	0	0	0	9	17	38	0	0	9.45
S & D-2, Cumilla	0	0	0	0	49	135	60	0	0	45.25
Chauddagram E/S	0	0	0	0	13	30	30	0	0	12.25
S & D-3, Cumilla	0	0	0	0	28	84	100	0	0	33.8
S & D Daulatgonj	0	0	0	0	18	50	55	0	0	20

Name of ESU / Division	Distribution Transformer 11/0.4 KV									
	1000 KVA (Nos.)	500 KVA (Nos.)	315 KVA (Nos.)	300 KVA (Nos.)	250 KVA (Nos.)	200 KVA (Nos.)	100 KVA (Nos.)	50 KVA (Nos.)	Others KVA (Nos.)	Total Capacity (MVA)
S & D, Chandpur	0	0	0	0	15	95	70	0	2	29.77
B-Baria E/S	0	0	0	0	55	187	124	1	0	63.6
S & D Ashugonj	0	5	0	0	76	111	75	0	0	51.2
S & D Sarial	0	3	0	0	25	77	68	0	0	29.95
O & M Circle, Noakhali										
S&D-Mizdee	0	0	0	0	43	104	80	1	2	39.62
S & D Choumohoni	0	0	0	0	44	53	66	0	0	28.2
Hatiya E/S	0	0	0	0	2	4	4	0	0	1.7
S&D-Feni	0	0	0	0	46	118	107	0	0	45.8
Bashourhat E/S	0	0	0	0	15	34	31	1	0	13.7
S&D-Laxmipur	0	0	0	0	25	35	56	0	0	18.85
Sub Total	**0**	**8**	**0**	**0**	**525**	**1234**	**1109**	**3**	**6**	**493.16**
Central Zone, Mymensingh										
O & M Circle, Mymensingh										
S&D-1(N), PDB, Mymensingh	0	1	0	0	56	125	110	4	0	50.7
S&D-2(S), PDB, Mymensingh	0	4	0	0	60	135	140	13	0	58.65
S&D-3, PDB, Mymensingh	0	0	0	0	34	150	155	12	6	54.66
S&D, Trishal	0	0	0	0	35	160	145	0	0	55.25
S&D, Fulpur	0	0	0	0	55	170	145	2	8	62.43
S&D, Goffargoan	0	0	0	0	78	185	225	0	0	79
S&D, Netrokona	0	1	0	0	26	65	95	0	0	29.5
Dist. Div Kishorganj	0	0	0	0	43	78	95	4	0	36.05
S&D, Bajitpur	0	0	0	0	28	78	96	2	0	32.3
S&D, Bhairab	0	0	0	0	42	130	190	0	0	55.5
S&D, Sherpur	0	1	0	0	102	235	276	4	33	101.13
S&D, Valuka	0	0	0	0	56	79	96	0	0	39.4
O & M Circle, Tangail										
S & D, Jamalpur	0	0	0	0	47	88	127	3	9	42.29
S&D Sharishabari	0	0	0	0	18	43	82	0	5	21.35
S & D Ghatail	0	0	0	0	80	73	56	2	0	40.3
S & D Shakhipur	0	0	0	0	95	185	210	14	84	83.29
S & D Bhuapur	0	0	0	0	35	78	115	2	0	35.95
S & D Khalihati	0	0	0	0	63	147	185	5	0	63.9
S & D-1 Tangail	0	0	0	0	65	85	95	1	0	42.8
S & D-2 Tangail	0	0	0	0	57	95	115	0	0	44.75
S & D-3 Tangail	0	0	0	0	28	56	78	0	0	26
Sub-Total	**0**	**7**	**0**	**0**	**1103**	**2440**	**2831**	**68**	**145**	**1055.52**

Name of ESU / Division	Distribution Transformer									
	11/0.4 KV									
	1000 KVA (Nos.)	500 KVA (Nos.)	315 KVA (Nos.)	300 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	0	0	0	0	126	232	159	0	0	93.8
S & D 2	0	0	0	0	226	323	288	0	7	149.97
S & D 3	0	0	0	0	60	106	147	10	33	51.73
S & D 4	0	0	0	0	47	78	68	1	7	34.27
S & D Sunamganj	0	0	0	0	49	52	72	3	10	30.1
S & D Chatak	0	0	0	1	35	112	87	7	19	40.69
Derai E/S	0	0	0	0	33	35	46	0	0	19.85
O & M Circle, Moulovibazar										
Dist. Divi. Moulovibazar	0	0	0	0	54	41	48	0	0	26.5
S & D Hobigonj	0	0	0	0	115	31	31	0	0	38.05
S & D Kulaura	0	0	0	0	22	63	79	1	11	26.16
Jogonnathpur E/S	0	0	0	0	39	79	121	7	52	38.52
Jaintapur E/S	0	0	0	0	30	89	157	0	25	41.25
Sub Total	**0**	**0**	**0**	**1**	**836**	**1241**	**1303**	**29**	**164**	**590.89**
Total		**16**	**5**	**2**	**5992**	**6077**	**6281**	**290**	**849**	**3375.665**

DISTRIBUTION SUMMARY

(As of June 2018)

Sl. No.	Particulars	South Zone (Chattogram)	South Zone (Cumilla)	Central Zone (Mymensingh)	Central Zone (Sylhet)	Total
1.	33/11 kV Sub-station Capacity (MVA)	1127/1429	545/705	746/992	445/573	**2863/3698**
2.	Distribution Lines (k.m)	8949	4093	10,526	6,498	**30065**
3.	Total no. of Consumers	9,83,540	5,57,110	8,61,852	3,67,975	**27,77,136**
4.	Distribution System Loss (%)	9.09	10.45	10.39	11.41	**9.89**

SYNOPSIS OF CHATTOGRAM P.C. POLE MANUFACTURING PLANT

Details	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018
1. Nos. of poles manufactured																					
i) 33 kV poles a) 15 x 220	311	981	1,596	842	1,146	1,040	438	1,160	1,071	738	860	1,152	515	959	1,000	1,078	896	1,724	842	4208	5299
b) 15 x 190	524	163	298	716	676	723	564	1,256	1,901	600	582	499	1322	1929	1115	1110	1390	3430	1880	2430	2095
ii) 11 kV poles 12 x 190	1,581	3,334	4,397	5,471	5,913	9,697	10,185	7,055	6,680	7,884	7,678	3,075	9,698	7379	10000	7784	6387	6565	6831	9261	10735
iii) 0.4 kV poles 9 x 140	5,222	3,548	3,723	6,793	6,639	12,654	9,430	7,825	9,474	7,808	7,285	2,153	4,603	4743	1889	5075	7384	7790	4249	4663	7616
2. Cost per no. of pole (Tk.)																					
i) 33 kV poles a) 15 x 220	20,000	20,000	20,000	16,821	16,821	16,821	20,185	23,180	23,180	23,180	31,650	35,740	35,740	35,740	35740	35740	40897	40897	53381	53381	53381
b) 15 x 190	17,000	17,000	17,000	15,150	15,150	15,150	18,180	20,908	20,908	20,908	27,833	32,353	32,353	32,353	32353	32353	36374	36374	47478	47478	47478
ii) 11 kV poles 12 x 190	14,400	14,400	14,400	11,005	11,005	11,005	13,206	15,119	15,119	15,119	18,891	20,383	20,383	20,383	20383	20383	23295	23295	30406	30406	30406
iii) 0.4 kV poles 9 x 140	7,000	7,000	7,000	5,885	5,885	5,885	7,062	7,902	7,902	7,902	8,310	8,629	8,629	8,629	8629	8629	9885	9885	12903	12903	12903
3. Production Capacity (Nos.)																					
i) 33 kV poles a) 15 x 220	800	1,000	600	800	1,500	1,000	460	2,000	2,000	2,000	2,000	2,000	2,000	2,000	1000	1000	1000	2000	3000	2000	3000
b) 15 x 190	1,000	500	500	700	800	600	600	2,000	2,000	2,000	2,000	2,000	2,000	2,000	1500	1500	1500	3000	3000	1000	1000
ii) 11 kV poles 12 x 190	4,000	4,000	5,000	4,000	8,400	8,400	10,725	7,500	7,500	7,500	7,500	7,500	7,500	7,500	10000	10000	10000	10000	10000	12000	10000
iii) 0.4 kV poles 9 x 140	5,300	4,000	4,000	4,500	9,300	10,000	9,900	8,500	8,500	8,500	8,500	8,500	8,500	8,500	7500	7500	7500	5000	4000	5000	6000
4. Use of production capacity (%)	68.81	84.48	99.15	138.22	71.87	120.57	95.07	86.84	95.63	85.45	82.03	34.39	80.69	75.05	70.02	75.23	80.28	97.54	69.01	102.81	128.72

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

SYNOPSIS OF ARICHA P.C. POLE MANUFACTURING PLANT

Details	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018
1. Nos. of poles manufactured																					
i) 33 kVpoles 22.5x230	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15x230	61	----	17	39	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
ii) 11 kV poles 12x230	751	240	720	1,450	3,449	4,007	3,508	2,722	1,338	2,238	1,583	929	1429	1630	1381	791	1425	2728	3245	701	14868
11x230	4,300	3,416	3,674	5,090	6,884	5,162	5,170	6,673	3,790	3,852	729	836	1198	1037	1361	625	1545	2551	828	4643	1225
iii) 0.4 kV poles 9 M	4,022	3,371	4,640	6,501	12,046	14,859	12,342	10,610	8,009	9,912	4,691	3286	3219	4261	6268	3141	5170	7729	7929	10509	10587
2. Cost per no. of pole (Tk.)																					
i) 33 kV poles 22.5 M	---	---	---	39,014	39,014	39,014	39,014	45,589	---	---	---	---	---	---	---	---	---	---	---	---	---
15 M	15,880	16,516	20,550	21,246	21,246	21,246	21,246	24,816	24,816	28,119	41,669	36713	---	---	---	---	---	---	---	---	---
ii) 11 kV poles 12 M	10,642	10,868	13,802	14,197	14,197	14,197	14,197	15,783	15,783	17,328	24,486	21574	21574	21574	21574	21574	22512	22512	29384	29384	29384
11 M	9,400	9,634	12,385	12,652	12,652	12,652	12,652	13,910	13,910	15,313	21,066	18560	18560	18560	18560	18560	19579	19579	25555	25555	25555
iii) 0.4 kV poles 9 M	4,501	4,669	6,072	6,262	6,262	6,262	6,262	6,694	6,694	7,074	9,558	8421	8421	8421	8421	8421	9065	9065	11832	11832	11832
3. Production Capacity (Nos)																					
i) 33 kV poles 22.5 M	---	---	---	25	25	25	25	25	---	---	---	---	---	---	---	---	---	---	---	---	---
15 M	300	100	300	300	340	200	200	200	---	---	---	---	---	---	---	---	---	---	---	---	---
ii) 11 kV poles 12 M	1,500	1,500	900	900	2,000	3,000	3,000	3,000	4,000	4,000	4,000	4000	3000	3000	3000	3000	3000	3000	2500	4500	10000
11 M	4,000	4,000	4,000	4,000	8,000	5,000	5,000	5,775	5,000	5,000	5,000	5000	2000	2000	2000	2000	2000	2000	2500	500	2500
iii) 0.4 kV poles 9 M	4,200	4,400	4,800	4,800	9,660	11,000	11,000	11,000	11,000	11,000	11,000	11000	5000	5000	5000	5000	5000	5000	5000	10000	7500
4. Use of production capacity (%)	91.34	70.27	90.51	130.80	111.90	120.14	105.10	100.03	65.68	80.01	35.01	25.26	58.46	69.28	90.10	70.6	81.4	130.08	120.02	105.68	133.4

5. Specification of poles		Top Dia (mm)	Bottom Dia (mm)	Wall Thickness (mm)	Pole Weight (Kg)	Design Load (Kg)	Pole Designation
i) 33 kv poles	22.5 M	230	530	55	3092.86	587	--
	15 M	230	430	55	1,719.78	500	15 x 230x500
ii) 11 kv poles	12 M	230	390	55	1,249.44	512	12x230x512
	11 M	230	375	55	1,110.46	512	11 x230x512
iii) 0.4 kv poles	9 M	150	270	50	522.50	233	9x150x232

Signing of MoU between BPDB and Pertamina, Indonesia for establishing
1400-1600 MW LNG Based Power Plant at Kutubdia in private sector in presence of
Hon'ble Prime Minister Sheikh Hasina and President of Indonesia Mr. Joko Widodo at Dhaka

Chapter 5

Accounts, Finance and Audit

ACCOUNTS, FINANCE AND AUDIT

Electricity (Power) plays a vital role in the economy of a developing country in many aspects. Day to day the demand of the electricity is growing up. To meet the growing demand of the electricity, BPDB has given high priority in the electricity generation. Beside own generation, BPDB also purchase electricity from the Private Companies generally termed as IPP(Independent Power Producer), Rental power plant and Public power plant to meet the growing demand. In the FY 2017-2018, Generation cost of BPDB's own plant and Electricity purchase from other sources are shown in 'Table-A' with compare to the preceding year.

Table-A

Particulars	FY 2017-18		FY 2016-17		Increase/ (Decrease)
	Amount (Crore Tk.)	Cost (Tk/kWh)	Amount (Crore Tk.)	Cost (Tk/kWh)	
i. BPDB's Generation	9,431.39	6.44	6,185.29	4.85	52.48%
ii. Purchase from IPP	10,410.59	5.72	8,733.87	5.36	19.20%
iii. Purchase from Rental	6,281.73	8.77	6,001.41	7.36	4.67%
iv. Purchase from Public Plant	7,289.54	4.52	5,340.11	3.96	36.51%
v. Purchase from India	2,812.58	5.87	2,592.55	5.52	8.49%
vi. Interest on budgetary support	1,188.31	0.20	1,128.83	0.20	5.27%
vii. Provision for Maintenance and Development fund	1,162.67	0.19	1,364.07	0.25	(14.76)%
Total	**38,576.81**	**6.33**	**31,346.13**	**5.66**	**23.07%**
Energy Sales	**29,741.16**		**27,325.41**		**8.84%**

It shows that BPDB's own generation cost, Energy purchase from IPP, Energy purchase from Rental, Public plant & India have increased by 52.48%, 19.20%, 4.67%, 36.51% & 8.49% respectively and Provision for Maintenance and Development fund decreased by 14.76% compared to FY 2016-2017. Chart-1 shows the comparative generation picture.

Cost of Electricity Generation and Purchase

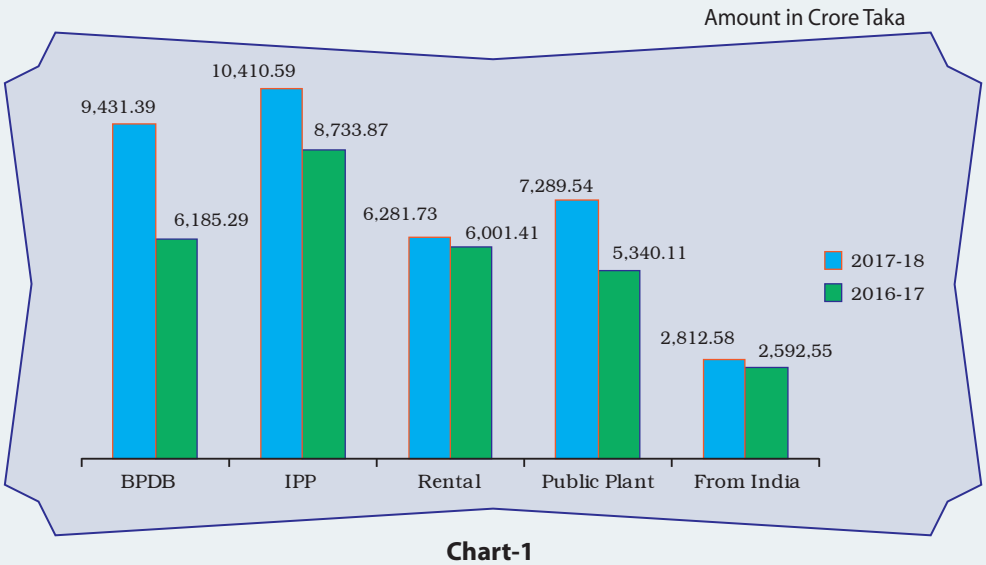


Chart-1

During the financial year 2017-2018 amount of sales to BPDB's own consumers, DPDC, DESCO, WZPDCL, NESCO & REB and the collected amount against sales are given bellow:

Table-B

Particulars Sales	FY-2017-2018			FY-2016-2017	Increase / (Decrease)
	Sales (Crore Tk.)	Collection (Crore Tk.)	(% of collection on sales)	(% of collection on sales)	
PDB's own consumer	6,612.74	6,507.40	98.41%	98.16%	0.25%
DPDC	5,232.99	5,249.33	100.31%	107.27%	(6.95)%
DESCO	3,131.87	3,116.96	99.52%	99.18%	0.35%
WZPDCL	1,525.60	1,500.91	98.38%	98.71%	(0.33)%
REB	11,486.75	11,268.32	98.10%	97.67%	0.42%
NESCO	1,751.22	1,649.70	94.20%	72.55%	21.66%
Total	**29,741.16**	**29,292.62**	**98.49%**	**98.57%**	**(0.08)%**

During the financial year 2017-2018 sales to BPDB's own consumer, DPDC, DESCO, WZPDCL, REB and NESCO Taka 6,612.74 Crore 5,232.99 Crore, 3,131.87 Crore, 1,525.60 Crore, 11,486.75 Crore and 1,751.22 Crore respectively against which amount collected was 6,507.40 Crore 5,249.33 Crore, 3,116.96 Crore, 1,500.91 Crore, 11,268.32 Crore and 1,649.70 Crore which is only 98.41%, 100.31%, 99.52%, 98.38%, 98.10% and 94.20% of billed amount respectively.

Comparative collection over sales

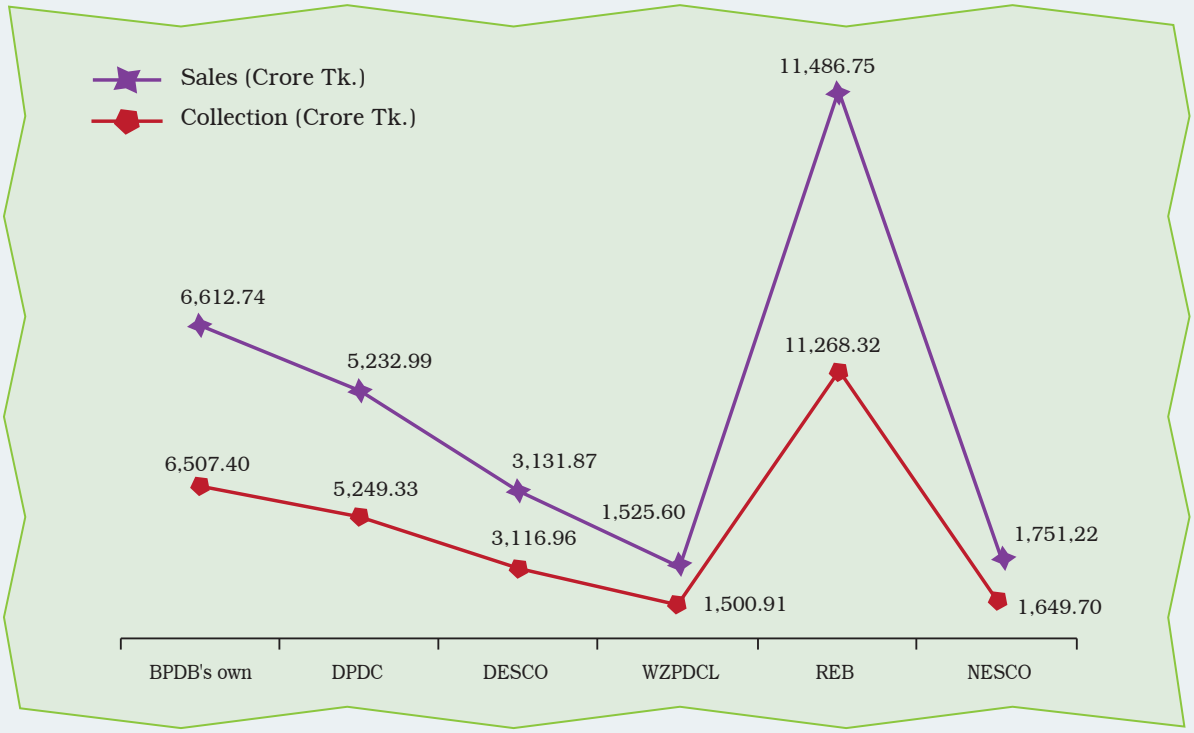


Chart-2

A comparison of the Operating income and operating expenses for FY 2017-2018 and FY 2016-2017 is shown below:

Table-C

Amount in Crore Taka

Head of Accounts	FY 2017-2018	FY 2016-2017	Amount increase/ (Decrease)	Percentage of increase/(Decrease)
Operating Revenue (1)	**30,604.41**	**28,295.22**	**2,309.20**	**8.16%**
Sale of Electricity	29,741.16	27,325.41	2,415.75	8.84%
Other Operating Revenue	863.26	969.81	(106.55)	(10.99)%
Operating Expenses (2)	**36,811.89**	**29,873.09**	**6,938.80**	**23.23%**
Fuel Cost	6,122.00	3,499.89	2,622.10	74.92%
Generation Expenses (Excluding fuel cost)	2,406.33	2,115.27	291.05	13.76%
Electricity purchase from IPP	10,410.59	8,733.87	1,676.72	19.20%
Electricity purchase from RENTAL	6,281.73	6,001.41	280.32	4.67%
Electricity purchase from Public Plant	7,289.54	5,340.11	1,949.43	36.51%
Electricity purchase from India	2,812.58	2,592.55	220.03	8.49%
Wheeling Charge to PGCB	182.92	255.20	(72.28)	(28.32)%
Distribution Expenses	923.53	955.29	(31.76)	(3.32)%
General & Administrative Expenses	382.68	379.49	3.19	0.84%
Operating Profit/(Loss) = (1-2)	**(6,207.47)**	**(1,577.87)**	**(4,629.61)**	**293.41%**

Table-c shows that sale of electricity has increased by 8.84% and Other Operating Revenue has decreased by 10.99% respectively over FY 2016-2017. The cost of fuel for generation and other generation expense has increased by 74.92% and increased 13.76% respectively over FY 2016-2017.The total operating expenses has increased by 23.23%.

Table-C also shows that each component of the operating expenses have increased except Wheeling Charge to PGCB and Distribution Expenses which are decreased by 28.32% and 3.32% respectively. Operating Loss for the year 2017-2018 has increased by 293.41%.

COMPARATIVE STATEMENT OF BUDGET AND ACHIVEMENT FOR THE YEAR 2017-2018

Amount in Lac Taka

Particulars	Budget	Achievement	Performance Over Budget	Favorable (F)/ Adverse (A)
REVENUE				
ENERGY SALES	3,028,221	2,974,116	(54,105)	A
OTHER OPERATING INCOME	80,193	86,326	6,133	F
TOTAL OPERATING REVENUE	**3,108,414**	**3,060,441**	**(47,973)**	**A**
OPERATING EXPENSES				
FUEL COST - GAS	81,738	83,945	(2,207)	A
DIESEL/FURNACE OIL USED FOR ELECTRICITY GENERATION	373,037	440,929	(67,892)	A
COAL USED FOR ELECTRICITY GENERATION	74,530	87,326	(12,796)	A
ELECTRICITY PURCHASE FROM IPP	1,130,148	1,041,059	89,089	F
ELECTRICITY PURCHASE FROM RENTAL	629,808	628,173	1,635	F
ELECTRICITY PURCHASE FROM INDIA	293,521	281,258	12,263	F
ELECTRICITY PURCHASE FROM PUBLIC PLANT	722,904	728,954	(6,050)	A
DEPRECIATION	163,655	166,387	(2,732)	A
REPAIR & MAINTENANCE EXPENSES	90,000	75,297	14,703	F
PERSONNEL EXPENSES	162,311	117,777	44,534	F
Office & ADMINISTRATIVE EXPENSES	15,000	11,792	3,208	F
TRANSMISSION EXPENSES FOR WHEELING CHARGE	28,423	18,292	10,131	F
TOTAL OPERATING EXPENSES	**3,765,075**	**3,681,189**	**83,886**	**F**
OPERATING INCOME / (LOSS)	**(656,661)**	**(620,747)**	**(131,859)**	**F**
NON - OPERATING EXPENSES				
ASSETS INSURANCE FUND	150	150	-	
INTEREST ON LOANS	164,114	169,406	(5,292)	A
PROVISION FOR MAINTANANCE & DEVELOPMENT FUND	115,885	116,267	382	F
GAIN / (LOSS) DUE TO EXCHANGE RATE FLUCTUATION	16,768	24,445	(7,677)	A
NET NON-OPERATING EXPENSES	**296,917**	**310,268**	**(13,351)**	**A**
SUBSIDY FROM GOVT.	**828,860**	**95,620**	**(733,240)**	**A**
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	**(124,718)**	**(835,395)**	**710,677**	**A**

From the above statement it is found that, the actual net loss for the FY 2017-2018 is Taka 8,35,395 lac against the revised budgeted net Loss of Taka 1,24,718 lac. Which is more than budget provision by Taka 7,10,677 lac. In analysis of the revised budget and actual expenditure it is observed 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 3,007.65 Crore has been transferred to assets in operation during the FY 2017-2018. Depreciation has been charged @ 3.20% on the opening balance of utility plant in service except those of 820mw. project and transportation equipment on which depreciation has been charged @ 6.00% and 9.00% respectively on the basis of "Fixed Percentage" method & half of the normal rate on addition during the year.

Chart-3 shows the trend analysis of revenue from sale of electricity with operating expense:

Year Wise Revenue To Operating Expenses

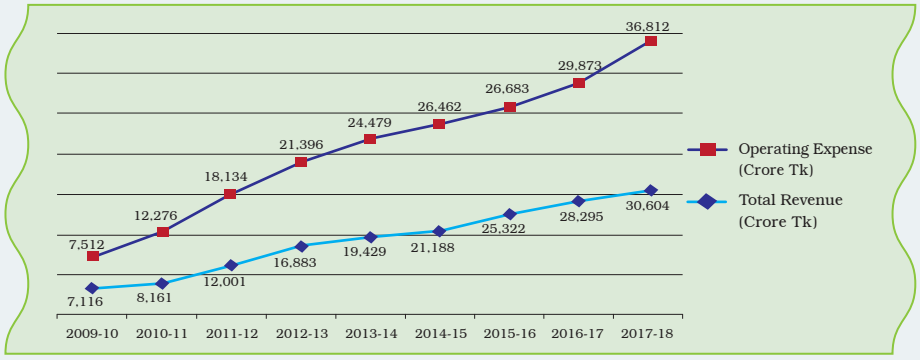


Chart-3

Category Wise Total Expenses

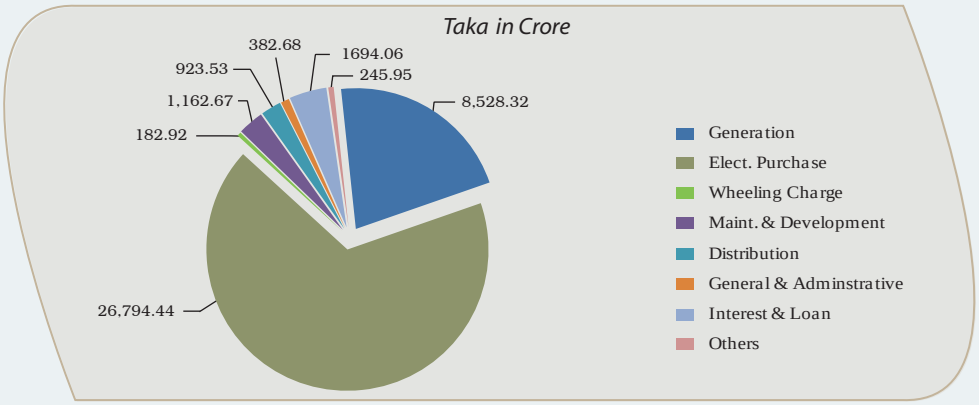


Chart-4

BPDB's Own Generation and Electricity Purchase

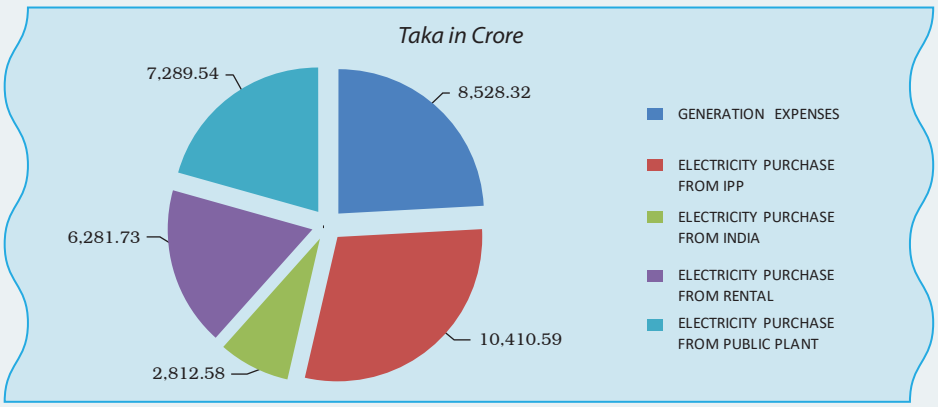


Chart-5

STATEMENT OF FINANCIAL POSITION

AS AT JUNE 30, 2018

Figures In Taka

PROPERTY AND ASSETS	AS ON 30-06-2018	AS ON 30-06-2017
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	556,382,840,177	513,135,187,508
LESS : ACCUMULATED DEPRECIATION	240,467,155,974	223,828,482,568
WRITTEN DOWN VALUE	**315,915,684,203**	**289,306,704,940**
PROJECT IN PROGRESS	145,761,096,963	102,325,486,398
INVESTMENT IN SHARES	23,369,009,228	21,569,009,228
TOTAL NON-CURRENT ASSETS	**485,045,790,394**	**413,201,200,566**
CURRENT ASSETS		
INVESTMENT	71,579,904,324	59,672,903,506
CASH IN HAND AND AT BANK	48,816,713,898	77,341,543,289
ACCOUNTS RECEIVABLE - TRADE	108,021,304,638	103,535,954,044
ACCOUNTS RECEIVABLE - OTHERS	31,848,834,597	24,360,687,431
PROVISION FOR BAD AND DOUBTFUL DEBTS	(1,236,107,585)	(1,236,107,585)
ADVANCE TO CONTRACTORS AND SUPPLIERS	8,761,845,767	6,795,086,188
ADVANCE TO EMPLOYEES	1,824,712,776	1,747,154,859
STOCK AND STORES	14,145,785,082	13,280,284,606
SECURITY DEPOSIT TO OTHER UTILITIES	694,664,749	666,197,442
INCOME TAX DEDUCTION AT SOURCE	4,446,719,420	3,602,052,620
TOTAL CURRENT ASSETS	**288,904,377,665**	**289,765,756,400**
TOTAL PROPERTY AND ASSETS	**773,950,168,058**	**702,966,956,966**

A B SAHA & CO.
Chartered Accountants

MARHK & CO.
Chartered Accountants

STATEMENT OF FINANCIAL POSITION

AS AT JUNE 30, 2018

Figures In Taka

CAPITAL AND LIABILITIES	AS ON 30-06-2018	AS ON 30-06-2017
AUTHORIZED CAPITAL	**200,000,000,000**	**200,000,000,000**
EQUITY & RESERVE		
PAID UP CAPITAL	187,959,725,430	172,864,157,079
RETAINED EARNINGS	(575,427,924,045)	(491,944,861,046)
APPRAISAL SURPLUS	117,057,871,482	117,057,871,482
GOVERNMENT EQUITY AGAINST DESCO'S SHARE	3,328,924,865	3,328,924,865
GRANTS	6,436,005,860	6,256,005,860
DEPOSIT WORK FUND	3,454,332,614	3,206,606,435
LIQUIDITY DAMAGE RESERVE	72,053,500	72,053,500
MAINTANANCE AND DEVELOPMENT FUND	74,391,348,621	61,438,185,459
ASSETS INSURANCE FUND	375,000,000	360,000,000
	(182,352,661,673)	**(127,361,056,367)**
NON-CURRENT LIABILITIES		
GOVERNMENT LOAN	75,803,680,486	68,524,269,981
BUDGETARY SUPPORT AS SUBSIDY FROM GOVT. (DIFFERENCE OF BUYING & SELLING RATE)	431,601,200,000	396,104,300,000
FOREIGN LOAN	139,449,044,608	106,254,542,120
	646,853,925,095	**570,883,112,101**
DEPOSIT AND PROVISION FUND		
SECURITY DEPOSIT (CONSUMERS)	5,613,496,867	5,199,031,937
GPF AND CPF	8,042,771,507	7,142,711,280
GRATUITY AND PENSION FUND	13,687,530,169	13,298,234,795
	27,343,798,543	**25,639,978,012**
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	71,956,665,754	45,155,545,968
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	1,620,077,853	873,911,545
CURRENT PORTION OF LONG TERM LIABILITIES	8,123,317,140	7,394,172,942
DEBT SERVICING LIABILITIES (PRINCIPAL)	75,457,060,879	72,926,355,251
REIMBURSABLE PROJECT AID	1,024,287,460	1,024,287,460
DEBT SERVICING LIABILITIES (INTEREST)	63,219,143,977	60,722,748,884
INTEREST ON BUDGETARY SUPPORT FROM GOVT.(FUND)	56,701,021,760	44,817,892,760
OTHER LIABILITIES	1,845,312,248	1,142,710,738
	279,946,887,071	**234,057,625,549**
CLEARING ACCOUNTS	2,158,219,023	(252,702,328)
TOTAL EQUITY AND LIABILITIES	**773,950,168,058**	**702,966,956,966**

A B SAHA & CO.
Chartered Accountants

MARHK & CO.
Chartered Accountants

STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME

FOR THE YEAR ENDED JUNE 30, 2018

Figures In Taka

PARTICULARS	FY 2017-18	FY 2016-17
OPERATING REVENUE		
ENERGY SALES	297,411,590,243	273,254,074,094
OTHER OPERATING INCOME	8,632,555,209	9,698,102,540
	306,044,145,452	**282,952,176,634**
OPERATING EXPENSES		
GENERATION EXPENSES	85,283,226,671	56,151,656,245
ELECTRICITY PURCHASE FROM IPP	104,105,913,212	87,338,700,511
ELECTRICITY PURCHASE FROM INDIA	28,125,816,144	25,925,491,812
ELECTRICITY PURCHASE FROM RENTAL	62,817,273,381	60,014,101,426
ELECTRICITY PURCHASE FROM PUBLIC PLANT	72,895,422,864	53,401,117,521
TRANSMISSION EXPENSES FOR WHEELING CHARGE	1,829,178,719	2,551,961,312
DISTRIBUTION EXPENSES	9,235,311,496	9,552,946,879
GENERAL AND ADMINISTRATIVE EXPENSES	3,826,752,388	3,794,885,615
	368,118,894,875	**298,730,861,319**
OPERATING INCOME / (LOSS)	**(62,074,749,423)**	**(15,778,684,685)**
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	11,883,129,000	11,288,297,047
FINANCING AND OTHER CHARGES	5,057,497,885	3,351,450,235
NET INCOME/(LOSS)BEFORE EXCH. RATE FLUCTUATION	**(79,015,376,307)**	**(30,418,431,967)**
ASSETS INSURANCE FUND	15,000,000	15,000,000
PROVISION FOR MAINTANANCE AND DEVELOPMENT FUND	11,626,667,036	13,640,707,389
LOSS/(GAIN) DUE TO EXCHANGE RATE FLUCTUATION	2,444,478,187	274,847,289
SUBSIDY FROM GOVT.	(9,562,000,000)	-
COMPREHENSIVE NET INCOME / (LOSS) FOR YEAR	**(83,539,521,530)**	**(44,348,986,644)**
RETAINED EARNINGS		
BALANCE AS AT JULY 01, 2017	(491,944,861,046)	(450,355,305,804)
PREVIOUS YEAR'S ADJUSTMENT	56,458,532	2,759,431,402
COMPREHENSIVE NET INCOME / (LOSS) FOR THE YEAR	(83,539,521,530)	(44,348,986,644)
BALANCE AS AT JUNE 30, 2018	**(575,427,924,045)**	**(491,944,861,046)**

A B SAHA & CO.
Chartered Accountants

MARHK & CO.
Chartered Accountants

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED JUNE 30, 2018

Figures In Taka

SL. No.	DESCRIPTION	AMOUNT	AMOUNT	AMOUNT
	CASH FLOW FROM OPERATING ACTIVITIES			
A	**Total Receipts from BPDB Customer, REB and Others**			
	Operating Revenue-Note-40 & 41	**306,044,145,452**		
	Accounts Receivable-Trade-Opening-Note-9	103,535,954,044		
	Accounts Receivable-Trade-Closing-Note-9	(108,021,304,638)		
	Accounts Receivable-Others -Opening-Note-10 (Except 142A, 142B & 142C)	21,735,858,835		
	Accounts Receivable-Others -Closing-Note-10 (Except 142A, 142B & 142C)	(29,484,956,092)		
	Provision for Bad Debt-Opening-Note-12	(1,236,107,585)		
	Provision for Bad Debt-Closing-Note-12	1,236,107,585		
			293,809,697,601	
B	**Less Total Payment for Operating Expenses and Others**			
	Operating Expenses net of Depreciation*01	350,336,446,350		
	Previous Year's Adjustments-Note-54	(56,458,532)		
	Interest Charges- Sh-52 (Code-675 & Interest of Foreign Loan paid in cash)	4,372,072,040		
	Liquidity Reserve-Opening- Note-22	72,053,500		
	Liquidity Reserve-Closing - Note-22	(72,053,500)		
	Accounts Payable-Opening -Note-30	45,155,545,968		
	Accounts Payable-Closing- Note-30	(71,956,665,754)		
	Security Deposit Contractor's-Opening -Note-31	873,911,545		
	Security Deposit Contractor's-Closing- Note-31	(1,620,077,853)		
	Other Liabilities-Opening-Note-38	1,142,710,738		
	Other Liabilities-Closing-Note-38	(1,845,312,248)		
	Advance to Contractors-Opening - Note-13	(6,795,086,189)		
	Advance to Contractors-Closing - Note-13	8,761,845,767		
	Advance to Employees-Opening- Note-14	(1,747,154,859)		
	Advance to Employees-Closing- Note-14	1,824,712,776		
	Stock & Stores-Opening- Note-15	(13,280,284,606)		
	Stock & Stores-Closing- Note-15	14,145,785,082		
	Clearing Account-Opening- Note-39	(252,702,328)		
	Clearing Account-Closing- Note-39	(2,158,219,023)		
	Deposits & Prepaid-Opening- Note-16	(4,268,250,062)		
	Deposits & Prepaid-Closing -Note-16	5,141,384,168		
			327,774,202,982	
C	**Reimburseable Project Aid- received-Sh-35**		**-**	
D				
E	**NET CASH OUTFLOW FROM OPERATING ACTIVITIES (A-B-C-D)**			**(33,964,505,381)**
	CASH FLOW FROM INVESTING ACTIVITIES			
	Consumers Security Deposit -Note-27 (Closing-Opening)	414,464,930		
	Capital Expenditure-UPIS- Sh-3	(13,171,189,589)		
	Capital Expenditure-PIP*06 (Net Cash)	(68,075,804,241)		
	Employees Contribution to GPF, CPF and Pension Fund-Note-28 & 29 (Closing-Opening)	1,289,355,602		
	Investment in Share -07	(1,800,000,000)		
	Encashment of FDR-Sh-07	9,393,270,699		
	Investment in FDR-Sh-07	(21,300,271,517)		
F	**NET CASH OUT FLOW FROM INVESTING ACTIVITIES**			**(93,250,174,117)**
	CASH FLOW FROM FINANCING ACTIVITIES			
	Capital Contribution -Note-17 (Closing-Opening)	13,805,250,000		
	Grant-Note-20 (Closing- Opening)	180,000,000		
	Govt. Loan- Sh-24 (Loan Drawn during the Year)	10,098,220,000		
	Reimburseable Project Aid- received-Sh-35	-		
	Foreign Loan- Sh-26.Loan wise(Loan Drawn during the Year)	35,634,685,342		
	Deposit Work Fund -Note-21 (Closing- Opening)	247,726,179		
	DSL (Principal due) PGCB, APSCL and WZPDC (Except Cash) A/R Other	-		
	DSL (Interest) PGCB, APSCL and WZPDC (Except Cash) A/R Other	-		
	Repayment of Foreign Loan-Sh-34	(5,248,662,000)		
	Repayment of Govt. Loan-Sh-34	(1,000,000,000)		
	Refund of Govt. Loan- Sh-24	(34,507,765)		
	Refund of Equity to GOB	(51,761,648)		
G	**NET CASH INFLOW FROM FINANCING ACTIVITIES**			**53,630,950,108**
H	**NET CASH OUTFLOW (E+F+G)**			**(73,583,729,391)**
I	**CASH RECEIVED FROM GOVT. AS BUDGETARY SUPPORT & SUBSIDY**			**45,058,900,000**
J	**OPENING CASH IN HAND**			**77,341,543,289**
K	**CLOSING CASH IN HAND (H+I+J)**			**48,816,713,898**

STATEMENT OF FINANCIAL POSITION (GENERATION AND BULK)

AS AT JUNE 30, 2018

Figures In Taka

PROPERTY AND ASSETS	FY 2017-2018	FY 2016-2017
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	421,221,469,107	388,074,330,457
LESS : ACCUMULATED DEPRECIATION	180,221,185,894	167,455,274,285
WRITTEN DOWN VALUE	**241,000,283,213**	**220,619,056,172**
PROJECT IN PROGRESS	120,509,875,640	87,847,754,955
INVESTMENT IN SHARES	18,455,207,037	16,655,207,037
TOTAL NON-CURRENT ASSETS	**379,965,365,890**	**325,122,018,163**
CURRENT ASSETS		
INVESTMENT	59,330,982,819	48,785,388,964
CASH IN HAND AND AT BANK	36,964,240,597	68,521,395,509
ACCOUNTS RECEIVABLE - TRADE-BULK	88,336,912,421	84,904,908,211
ACCOUNTS RECEIVABLE - FROM SPC BULK	36,391,291,982	27,370,694,601
ACCOUNTS RECEIVABLE - OTHERS	28,954,460,313	21,164,774,757
ADVANCE TO CONTRACTORS & SUPPLIERS	8,761,436,486	6,709,190,908
ADVANCE TO EMPLOYEES	969,908,287	919,912,441
STOCK AND STORES	12,807,027,285	12,003,400,286
SECURITY DEPOSIT TO OTHER UTILITIES	685,181,000	656,758,818
INCOME TAX DEDUCTION AT SOURCE	4,191,797,201	3,376,041,334
TOTAL CURRENT ASSETS	**277,393,238,392**	**274,412,465,828**
TOTAL PROPERTY AND ASSETS	**657,358,604,282**	**599,534,483,991**

A B SAHA & CO.
Chartered Accountants

MARHK & CO.
Chartered Accountants

13th Bangladesh-India Joint Steering Committee meeting on power sector cooperation held in Dhaka

STATEMENT OF FINANCIAL POSITION (GENERATION AND BULK)

AS AT JUNE 30, 2018

Figures In Taka

CAPITAL AND LIABILITIES	FY 2017-2018	FY 2016-2017
EQUITY AND RESERVE		
PAID UP CAPITAL	149,109,354,893	139,160,124,541
RETAINED EARNINGS	(542,757,368,679)	(460,251,696,587)
APPRAISAL SURPLUS	89,477,620,309	89,477,620,309
GRANTS	4,137,812,642	3,957,812,642
LIQUIDITY DAMAGE RESERVE	72,053,500	72,053,500
ASSETS INSURANCE FUND	285,000,000	273,000,000
MAINTANANCE AND DEVELOPMENT FUND	74,391,348,621	61,438,185,459
	(225,284,178,715)	**(165,872,900,135)**
NON-CURRENT LIABILITIES		
GOVERNMENT LOAN	59,169,963,063	54,580,323,558
BUDGETARY SUPPORT AS SUBSIDY FROM GOVT. (DIFFERENCE OF BUYING AND SELLING RATE)	431,601,200,000	396,104,300,000
FOREIGN LOAN	127,693,239,477	94,865,814,655
	618,464,402,541	**545,550,438,213**
DEPOSIT & PROVISION FUND		
GPF AND CPF	4,770,941,257	4,211,290,588
GRATUITY AND PENSION FUND	10,133,802,913	9,402,647,934
	14,904,744,171	**13,613,938,522**
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	70,779,650,276	44,507,023,493
SECURITY DEPOSIT (CONTRACTORS AND SUPPLIERS)	1,234,331,936	553,069,417
CURRENT PORTION OF LONG TERM LIABILITIES	6,902,820,776	6,051,023,376
DEBT SERVICING LIABILITIES (PRINCIPAL)	51,016,643,114	49,926,812,592
REIMBURSABLE PROJECT AID	516,533,039	516,533,039
DEBT SERVICING LIABILITIES (INTEREST)	45,901,885,215	44,496,757,115
INTEREST ON BUDGETARY SUPPORT FROM GOVT. (FUND)	56,701,021,760	44,817,892,760
OTHER LIABILITIES	1,123,830,667	506,778,581
	234,176,716,784	**191,375,890,374**
CLEARING ACCOUNTS	15,096,919,500	14,867,117,018
TOTAL EQUITY AND LIABILITIES	**657,358,604,282**	**599,534,483,991**

A B SAHA & CO.
Chartered Accountants

MARHK & CO.
Chartered Accountants

STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME OF GENERATION AND BULK SUPPLY

FOR THE YEAR ENDED JUNE 30, 2018

Figures In Taka

PARTICULARS	FY 2017-18	FY 2016-17
OPERATING REVENUE		
ENERGY SALES (BULK)	286,698,986,776	263,970,866,250
OTHER OPERATING INCOME	6,945,106,873	7,063,799,025
	293,644,093,648	**271,034,665,275**
OPERATING EXPENSES		
FUEL EXPENSES	61,219,957,392	34,998,921,271
PERSONNEL EXPENSES	5,593,382,270	5,936,650,184
OFFICE EXPENSES	383,478,326	368,883,090
REPAIRS AND MAINTENANCE EXPENSES	5,504,967,624	3,590,179,012
DEPRECIATION	12,581,441,059	11,257,022,688
TOTAL OWN GENERATION EXPENSES	**85,283,226,671**	**56,151,656,245**
ELECTRICITY PURCHASE FROM IPP	104,105,913,212	87,338,700,511
ELECTRICITY PURCHASE FROM INDIA	28,125,816,144	25,925,491,812
ELECTRICITY PURCHASE FROM RENTAL	62,817,273,381	60,014,101,426
ELECTRICITY PURCHASE FROM PUBLIC PLANT	72,895,422,864	53,401,117,521
GENERAL AND ADMINISTRATIVE EXPENSES	2,863,504,957	2,808,219,975
TOTAL OPERATING EXPENSES	**356,091,157,229**	**285,639,287,489**
OPERATING INCOME / (LOSS)	**(62,447,063,581)**	**(14,604,622,214)**
FINANCING AND OTHER CHARGES	4,103,230,723	2,334,352,809
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	11,883,129,000	11,288,297,047
INCOME / (LOSS)	**(78,433,423,304)**	**(28,227,272,069)**
LOSS/(GAIN) DUE TO EXCHANGE RATE FLUCTUATION	2,051,954,626	546,704,449
ASSETS INSURANCE FUND	12,000,000	12,000,000
PROVISION FOR MAINTANANCE AND DEVELOPMENT FUND	11,626,667,036	13,640,707,389
SUBSIDY FROM GOVT.	(9,562,000,000)	-
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	**(82,562,044,966)**	**(42,426,683,907)**
RETAINED EARNINGS		
BALANCE AS ON JULY 01, 2017	(460,251,696,587)	(420,582,617,151)
PREVIOUS YEAR'S ADJUSTMENT	56,372,874	2,757,604,471
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	(82,562,044,966)	(42,426,683,907)
BALANCE AS ON JUNE 30, 2018	**(542,757,368,679)**	**(460,251,696,587)**

A B SAHA & CO.
Chartered Accountants

MARHK & CO.
Chartered Accountants

STATEMENT OF FINANCIAL POSITION (DISTRIBUTION)

AS AT JUNE 30, 2018

Figures In Taka

PROPERTY AND ASSETS	FY 2017-2018	FY 2016-2017
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	135,161,371,071	125,060,857,052
LESS : ACCUMULATED DEPRECIATION	60,245,970,078	56,373,208,280
WRITTEN DOWN VALUE	**74,915,400,993**	**68,687,648,771**
PROJECT IN PROGRESS	25,251,221,325	14,477,731,446
INVESTMENT IN SHARES	4,913,802,191	4,913,802,191
TOTAL NON-CURRENT ASSETS	**105,080,424,509**	**88,079,182,408**
CURRENT ASSETS		
INVESTMENT	12,248,921,510	10,887,514,546
CASH IN HAND AND AT BANK	11,852,473,300	8,820,147,779
ACCOUNTS RECEIVABLE - TRADE	19,684,392,216	18,631,045,833
ACCOUNTS RECEIVABLE - OTHERS	2,894,374,285	3,195,912,675
PROVISION FOR BAD AND DOUBTFUL DEBTS	(1,236,107,585)	(1,236,107,585)
ADVANCE TO CONTRACTORS AND SUPPLIERS	409,281	85,895,281
ADVANCE TO EMPLOYEES	854,804,490	827,242,419
STOCK AND STORES	1,338,757,797	1,276,884,320
SECURITY DEPOSIT TO OTHER UTILITIES	9,483,749	9,438,625
INCOME TAX DEDUCTION AT SOURCE	254,922,218	226,011,286
TOTAL CURRENT ASSETS	**47,902,431,263**	**42,723,985,177**
TOTAL PROPERTY AND ASSETS	**152,982,855,771**	**130,803,167,585**

A B SAHA & CO.
Chartered Accountants

MARHK & CO.
Chartered Accountants

Central Revenue Meeting of BPDB presided over by BPDB Chairman Engr. Khaled Mahmood

STATEMENT OF FINANCIAL POSITION
(DISTRIBUTION)

AS AT JUNE 30, 2018

Figures In Taka

CAPITAL AND LIABILITIES	FY 2017-2018	FY 2016-2017
EQUITY AND RESERVE		
PAID UP CAPITAL	38,850,370,538	33,704,032,538
RETAINED EARNINGS	(32,670,555,359)	(31,693,164,453)
APPRAISAL SURPLUS	27,580,251,173	27,580,251,173
GOVT. EQUITY AGAINST DESCO'S SHARE	3,328,924,865	3,328,924,865
GRANTS	2,298,193,218	2,298,193,218
DEPOSIT WORK FUND	3,454,332,614	3,206,606,435
ASSETS INSURANCE FUND	90,000,000	87,000,000
	42,931,517,049	**38,511,843,776**
NON-CURRENT LIABILITIES		
GOVERNMENT LOAN	16,633,717,423	13,943,946,423
FOREIGN LOAN	11,755,805,131	11,388,727,465
SECURITY DEPOSIT (CONSUMERS)	5,613,496,867	5,199,031,937
GPF AND CPF	3,271,830,250	2,931,420,692
GRATUITY AND PENSION FUND	3,553,727,256	3,895,586,860
	40,828,576,927	**37,358,713,378**
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	1,177,015,478	648,522,474
ACCOUNTS PAYABLE TO BPDB GENERATION	36,391,291,982	27,370,694,601
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	385,745,916	320,842,128
CURRENT PORTION OF LONG TERM LIABILITIES	1,220,496,364	1,343,149,565
DEBT SERVICING LIABILITIES (PRINCIPAL)	24,440,417,765	22,999,542,659
REIMBURSABLE PROJECT AID	507,754,421	507,754,421
DEBT SERVICING LIABILITIES (INTEREST)	17,317,258,762	16,225,991,768
OTHER LIABILITIES	721,481,581	635,932,158
	82,161,462,268	**70,052,429,775**
CLEARING ACCOUNTS	(12,938,700,473)	(15,119,819,343)
TOTAL EQUITY AND LIABILITIES	**152,982,855,771**	**130,803,167,585**

A B SAHA & CO.
Chartered Accountants

MARHK & CO.
Chartered Accountants

STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME OF DISTRIBUTION

FOR THE YEAR ENDED JUNE 30, 2018

Figures In Taka

PARTICULARS	FY 2017-18	FY 2016-17
OPERATING REVENUE		
ENERGY SALES (RETAIL)	66,127,378,824	65,691,465,444
OTHER OPERATING INCOME	1,687,448,336	2,634,303,514
	67,814,827,160	**68,325,768,958**
OPERATING EXPENSES		
POWER PURCHESE COST AS PER BST	55,414,775,357	56,408,257,600
TRANSMISSION EXPENSES FOR WHEELING CHARGE	1,829,178,719	2,551,961,312
TOTAL ENERGY IMPORT COST	**57,243,954,076**	**58,960,218,912**
PERSONNEL EXPENSES	3,463,737,589	4,626,887,223
OFFICE EXPENSES	378,369,073	366,800,659
REPAIR AND MAINTENANCE EXPENSES	1,606,075,675	976,628,376
DEPRECIATION	3,787,129,159	3,582,630,620
PROVISION FOR BAD DEBTS	-	-
TOTAL DISTRIBUTION EXPENSES	**9,235,311,496**	**9,552,946,879**
GENERAL AND ADMINISTRATIVE EXPENSES	963,247,431	986,665,639
TOTAL OPERATING EXPENSES	**67,442,513,002**	**69,499,831,430**
OPERATING INCOME / (LOSS)	**372,314,158**	**(1,174,062,471)**
FINANCING AND OTHER CHARGES	954,267,162	1,017,097,427
INCOME / (LOSS)	**(581,953,003)**	**(2,191,159,898)**
LOSS/(GAIN) DUE TO EXCHANGE RATE FLUCTUATION	392,523,560	(271,857,160)
ASSETS INSURANCE FUND	3,000,000	3,000,000
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	**(977,476,564)**	**(1,922,302,737)**
RETAINED EARNINGS		
BALANCE AS ON JULY 01, 2017	(31,693,164,453)	(29,772,688,647)
PREVIOUS YEAR'S ADJUSTMENT	85,658	1,826,932
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	(977,476,564)	(1,922,302,737)
BALANCE AS ON JUNE 30, 2018	**(32,670,555,359)**	**(31,693,164,453)**

A B SAHA & CO.
Chartered Accountants

MARHK & CO.
Chartered Accountants

INCOME STATEMENT AND BALANCE SHEET RATIOS

Formula	June 30, 2018		June 30, 2017	
	Calculations	Result	Calculations	Result
Operating Income	(62,074,749,422.68)	(20.28)%	(15,778,684,684.99)	(5.58%)
Total operating revenue	306,044,145,451.90		282,952,176,633,96	
Operating Income	(62,074,749,422.68)	(11.16)%	(15,778,684,684.99)	(3.07%)
Operating Average fixed Assets	556,382,840,177		513,135,187,508	
Operating Expenses	368,118,894,874.58	120.28%	298,730,861,318.95	105.58%
Operating revenue	306,044,145,451.90		282,952,176,633.96	
Total Current Assets	288,904,377,664.98	1.03:1	289,765,756,400.30	1.24:1
Total Current Liabilities	279,946,887,071.07		234,057,625,548.76	
Total Current Assets - Inventory	288,904,377,665-14,145,785,082	0.98:1	289,765,756,400-13,280,284,606	1.18:1
Total Current Liabilities	279,946,887,071.07		234,057,625,548.76	
Total Long Term Debt	646,853,925,094.75	(3.55):1	570,883,112,100.75	(4.48):1
Total Equity Capital	(182,352,661,672.92)		(127,361,056,366.71)	

CONSOLIDATED SCHEDULE OF EXPENSES

Figures In Taka

Head of Accounts	Generation Expenses	Distribution Expenses	Gen. & Admn. Expenses	Total Expenses FY 2017-2018	Total Expenses FY 2016-2017
Fuel Consumption for Generation					
Natural Gas	8,447,625,901	-	-	8,447,625,901	8,965,964,473
Liquid fuel	44,187,471,187	-	-	44,187,471,187	20,214,122,688
Coal	8,584,860,305	-	-	8,584,860,305	5,818,834,110
Sub Total	**61,219,957,392**	**-**	**-**	**61,219,957,392**	**34,998,921,271**
Personnel Expenses	5,593,382,270	3,463,737,589	2,720,553,377	11,777,673,236	13,372,514,674
Office and Other Expenses	383,478,326	378,369,073	417,397,619	1,179,245,017	1,162,724,004
Repairs and Maintenance	5,504,967,624	1,606,075,675	418,561,533	7,529,604,831	4,887,359,812
Depreciation	12,581,441,059	3,787,129,159	270,103,188	16,638,673,406	15,077,968,977
Bad debts	-	-	136,671	136,671	-
Wheeling Charge	-	1,829,178,719	-	1,829,178,719	2,551,961,312
Sub Total	**24,063,269,279**	**11,064,490,215**	**3,826,752,388**	**38,954,511,881**	**37,052,528,779**
Electricity Purchase					
From IPP and SIPP.	104,105,913,212	-	-	104,105,913,212	87,338,700,511
From Rental Plant	62,817,273,381	-	-	62,817,273,381	60,014,101,426
From Public Plant	72,895,422,864	-	-	72,895,422,864	53,401,117,521
From India	28,125,816,144	-	-	28,125,816,144	25,925,491,812
Sub Total	**267,944,425,601**	**-**	**-**	**267,944,425,601**	**226,679,411,269**
Financing & other charges	4,103,230,723	954,267,162	-	5,057,497,885	3,351,450,235
Interest on Budgetary Support	11,883,129,000	-	-	11,883,129,000	11,288,297,047
Maint. and Dev. Expenses	11,626,667,036	-	-	11,626,667,036	13,640,707,389
Provision for Assets Ins.	12,000,000	3,000,000	-	15,000,000	15,000,000
Sub Total	**27,625,026,759**	**957,267,162**	-	**28,582,293,920**	**28,295,454,671**
Grand Total	**380,852,679,031**	**12,021,757,376**	**3,826,752,388**	**396,701,188,795**	**327,026,315,990**

DETAILS OF PERSONNEL EXPENSES

Figures In Taka

Head of Accounts	Generation Expenses	Distribution Expenses	General & Administrative Expenses	Total
Pay of Officers	452,324,144	262,300,037	397,590,936	1,112,215,116
Pay of Staff	833,788,392	711,478,848	359,630,779	1,904,898,019
Allowances of Officers	291,115,642	114,572,450	187,004,271	592,692,363
Allowances of Staff	615,927,212	446,968,454	225,540,000	1,288,435,666
Leave Encashment	32,525,511	17,231,873	15,708,618	65,466,002
Overtime Allowances (Single Rate)	135,246,782	117,271,243	58,176,808	310,694,833
Overtime Allowances (Double Rate)	643,976,109	416,873,523	143,037,489	1,203,887,120
House Rent Expenses	42,000	-	22,000	64,000
Medical Expenses	11,448,483	5,924,890	4,058,656	21,432,029
Bonus for Officers	70,705,042	42,649,097	58,686,320	172,040,459
Bonus for Stuff	137,503,793	115,895,453	58,418,067	311,817,313
Bangla Nobo Barsho Allowance (For Officers)	7,464,316	5,527,803	5,777,498	18,769,617
Bangla Nobo Barsho Allowance (For Staff)	12,298,259	10,924,536	5,862,161	29,084,956
Employees Electricity Rebate	141,489,401	118,167,295	66,990,303	326,646,999
Workmen Compensation	-	-	-	-
Gratuity	-	-	-	-
Income Tax of Officers & Staff	8,000	-	-	8,000
Employees Other Benefit & Welfare Expenses	4,156,724	1,958,620	127,884,815	134,000,159
Reimbursement for Treatment of Accident (on duty) affected Employee	-	5,000	13,000	18,000
Board's Contribution to CPF	-	-	-	-
Board's Contribution to Pension Fund	1,770,084,637	712,997,133	620,913,676	3,103,995,445
Leave Encashment on Retirement	71,210,664	65,754,610	67,514,535	204,479,809
L. Salary & Pension Cont. for Trans. Govt. Employees	-	-	-	-
Honorarium Punishment/Reward Scheme	107,553,551	81,517,652	119,751,994	308,823,197
Honorarium Others	40,822,383	7,540,456	15,050,604	63,413,443
Wages for Hired Labour	205,237,238	198,777,784	49,085,852	453,100,874
Computerization of Commercial Operation	8,453,988	-	133,834,994	142,288,982
Service charge for collection of Electricity Bill by Mobile Phone Co.	-	9,400,834	-	9,400,834
Contract out- Commercial Operation activities	-	-	-	-
Interest on GPF/CPF	-	-	-	-
Total Personnel Expenses	**5,593,382,270**	**3,463,737,589**	**2,720,553,377**	**11,777,673,236**

DETAILS OF OFFICE AND OTHER EXPENSES

Figures In Taka

Head of Accounts	Generation	Distribution	General & Administrative	Total
Traveling Expenses/ Allowances(For Official)	104,403,578	108,414,175	81,487,154	294,304,907
Traveling Expenses (For Training)	16,984,614	2,961,153	15,818,605	35,764,372
Conveyance Charge	1,193,629	6,178,927	5,628,910	13,001,466
Washing Expenses	352,861	182,315	996,633	1,531,809
Representation & Entertainment	453,916	52,157	6,584,164	7,090,237
Stationary & Printing	13,070,611	46,792,437	43,160,258	103,023,306
Taxes, Licence & Fees	41,431,848	26,199,975	26,720,030	94,351,853
Office Rent	-	6,600,903	3,440,922	10,041,825
Water Charges	6,509,915	2,151,662	5,997,853	14,659,430
Electricity Charges (Own use)	156,255,804	131,121,441	47,571,151	334,948,396
Electricity Rebate - Freedom fighters	-	2,689,803	-	2,689,803
Uniforms & Liveries	10,987,516	8,080,499	3,007,374	22,075,389
Post & Telegram	694,698	1,727,348	1,675,854	4,097,900
Telephone,Telex & Fax	6,494,971	7,193,160	6,022,017	19,710,148
Advertising & Promotion	18,228,027	22,863,297	87,127,842	128,219,166
Audit Fee	-	-	1,637,600	1,637,600
Legal Expenses (Lawyer's Fees & Court Fees)	79,900	4,736,594	15,758,352	20,574,846
Books & Periodicals	797,933	423,227	871,247	2,092,407
Donation & Contributions	4,448,369	-	2,341,380	6,789,749
Donation to sick Employees from Benevolent Fund	25,000	-	-	25,000
Training & Education	1,065,136	-	61,550,274	62,615,410
Training & Education- Foreign	-	-	-	-
Allocation of Gen. Admn. Exp.	-	-	-	-
Miscellaneous Expenses	-	-	-	-
Total Office & Other Expenses	**383,478,326**	**378,369,073**	**417,397,619**	**1,179,245,017**

DETAILS OF REPAIR AND MAINTENANCE EXPENSES

Figures In Taka

Head of Accounts	Generation	Distribution	General & Administrative	Total
Petrol/ Diesel & Lubricants Used for Transport	33,459,883	101,693,323	59,127,042	194,280,248
CNG Used for Vehicle	6,452,361	2,603,550	3,060,940	12,116,850
Petrol/ Diesel & Lubricants Used for Other Equipment	279,244,221	-	28,152	279,272,373
Store & Spares Used	264,938,514	128,198,717	13,022,857	406,160,087
Store & Spares Used-Foreign	-	-	-	-
Store & Spares Used-Received from other stores	-	-	-	-
Custom Duties & Sale Tax	1,343,815,794	491,616,466	-	1,835,432,260
Vat	93,765,893	-	173,387	93,939,280
Demarrage & Warfront	18,908,986	39,007,904	-	57,916,890
Hire of Equipment	-	-	-	-
Freight & Handling	5,819,808	119,929,650	208,675	125,958,132
Insurance (For Goods & Property)	42,331	-	8,833	51,164
Insurance (For Transportation Equipment)	1,861,612	1,463,825	1,517,314	4,842,751
Insurance For Vehicle & other	-	-	10,859,550	10,859,550
Bank Charge & Commission	4,083,817	75,600,842	13,872,382	93,557,041
Contractor's Fees	-	-	-	-
Office Maintenance	-	-	-	-
Store Maintenance	90,000	-	-	90,000
Consultants Expenses Local	985,060	21,150,867	29,381,635	51,517,562
Consultants Expenses Foreign	774,895,208	2,702,944	21,547,980	799,146,132
Land & Land Rights	-	-	-	-
Structure & Improvement	59,340,414	113,677,168	182,902,028	355,919,610
Boiler Plant equipment	28,919,585	24,850	-	28,944,435
Engine & Engine Driven Generators	18,985,708	-	-	18,985,708
Generator	37,342,335	-	-	37,342,335
Prime Movers	12,205,635	-	-	12,205,635
Accessory elect. equipment	1,709,651	320,602	182,148	2,212,401
Reservoir, Dams & Waterways	2,542,846	-	-	2,542,846
Water Wheels and Turbines	-	-	-	-
Roads, Rail Roads & Bridges	-	-	-	-
Fuel Holders, Producers & Accessories	-	-	-	-
Station Equipment	2,419,099,159	3,321,934	305,398	2,422,726,491
Towers and Fixtures	-	33,136	-	33,136
Poles & Fixtures	-	2,007,975	-	2,007,975
Overhead Conduct & Devices	34,177,015	405,210,616	950,405	440,338,036
Underground Conductors	380,327	26,797,341	-	27,177,668
Line Transformers	87,992	-	-	87,992
Transformer Manufacturing	-	110,610	-	110,610
Street Lighting and Single Systems	-	44,005	-	44,005
Metters	-	-	-	-
Transportation Equipment's	28,462,754	63,361,526	70,203,290	162,027,570
Heavy & Other Power Operated Equipment's	-	-	-	-
Office furniture & Equipment	1,930,529	4,096,454	8,426,726	14,453,709
Office furniture & Equipment (Computer, Monitor & Others)	90,697	25,000	53,440	169,137
Communication Equipments	-	-	-	-
Tools, Shop and Garage Equipments	-	2,862,543	1,605,495	4,468,038
Laboratory Equipment	-	-	-	-
Stores Equipment	31,329,491	213,828	1,123,856	32,667,175
Fire Fighting Equipment	-	-	-	-
Miscellaneous Equipment	-	-	-	-
Total Repair & Maintenance	**5,504,967,624**	**1,606,075,675**	**418,561,533**	**7,529,604,831**

COMPARISION OF ELECTRICITY PURCHASE FROM IPP AND SIPP WITH PREVIOUS YEAR

Particulars	Nature of Fuel	FY 2017-2018			FY 2016-2017		
		Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
Khulna Power Company Ltd.	HFO	420,024,848	4,350,520,616	10.36	414,341,640	3,750,356,659	9.05
NEPC Consortium Power Ltd.	HFO	165,249,900	2,163,238,665	13.09	220,354,000	3,201,808,545	14.53
RPCL 52MW Gazipur	HFO	302,618,124	3,522,279,219	11.64	241,436,424	2,823,832,429	11.70
RPCL 25MW Rawjan	HFO	140,503,330	1,698,818,163	12.09	117,031,014	1,462,335,414	12.50
Raj Lanka Power Limited	HFO	225,936,819	2,591,250,631	11.47	201,277,765	2,474,374,827	12.29
Baraka Patenga Power Limited	HFO	277,917,456	2,506,396,859	9.02	276,508,128	2,622,307,842	9.48
Digital Power & Associates Ltd.	HFO	355,008,805	3,452,209,189	9.72	421,087,536	3,300,385,825	7.84
Sinha people Energy Ltd	HFO	107,157,360	1,257,955,712	11.74	162,598,272	1,728,764,643	10.63
ECPV Power Ltd	HFO	593,603,040	5,528,958,240	9.31	487,890,144	4,002,293,612	8.20
Lakdhanavi Bangla Power Ltd	HFO	103,741,615	1,525,388,233	14.70	83,045,309	1,468,908,488	17.69
Summit Narayanganj Power Unit-II Ltd.	HFO	299,926,533	2,784,897,374	9.29	254,069,326	2,089,954,993	8.23
Summit Barisal Power Ltd.	HFO	535,777,528	4,910,158,196	9.16	710,876,160	5,281,071,811	7.43
Dhaka Southern Power Limited	HFO	288,291,222	2,676,898,296	9.29	-	-	-
Dhaka Northern Power Limited	HFO	294,282,591	2,844,181,300	9.66	-	-	-
PowerPac Muturia-Jamalpur	HFO	462,863,281	5,462,289,226	11.80	274,450,253	3,187,636,176	11.61
CLC Power Company Ltd	HFO	305,834,659	3,173,291,034	10.38	124,289,712	1,276,122,469	10.27
M/S Banco Energy Generation Ltd. 53.972MW	HFO	135,402,012	1,544,722,704	11.41	-	-	-
UMPL 200 MW	HFO	52,346,400	457,766,832	8.74	-	-	-
Kidda Gazipur 300 (Summil Unit-)	HFO	198,423,175	2,194,039,402	11.06	-	-	-
Summit Meghnaghat Power Ltd.	HFO	-	-	-	1,023,962,225	20,205,278,506	19.73
Doreen Power Generation & System Ltd.-Feni	HFO	-	-	-	152,370,666	359,880,451	2.36
Doreen Power Generation & System Ltd.- Tangail	HFO	-	-	-	139,611,729	348,277,970	2.49
TOTAL IPP & SIPP (HFO)		**5,264,908,698**	**54,645,259,890**	**10.38**	**5,305,200,303**	**59,583,590,659**	**11.23**
Summit Meghnaghat Power Ltd.	HSD	830,206,729	16,497,031,577	19.87	-	-	-
Bangla Trac Power Unit- I Limited	HSD	43,398,336	1,347,442,237	31.05	-	-	-
Bangla Trac Power Unit-II Limited	HSD	38,680,608	1,005,326,698	25.99	-	-	-
Aggreko Energy Solution Ltd 100 MW, Aorahati	HSD	8,933,647	143,742,380	16.09	-	-	-
Aggreko Power Solution Ltd 100 MW, Bhahmangoan	HSD	14,951,645	393,671,402	26.33	-	-	-
APR Energy 300 MW	HSD	25,928,945	421,345,356	16.25	-	-	-
Sub Total IPP HSD		**962,099,910**	**19,808,559,650**	**20.59**	**-**	**-**	**-**
ENGREEN Solar	SOLAR	3,367,010	55,228,087	16.40	-	-	-
Sub Total IPP Solar		**3,367,010**	**55,228,087**	**16.40**	**-**	**-**	**-**
Westmont Power (Bangladesh) Pvt. Ltd.	GAS	-	-	-	-	-	-
Meghnaghat Power Ltd	GAS	3,215,051,712	6,932,448,878	2.16	2,599,083,001	5,204,031,474	2.00
Haripur Power Ltd	GAS	2,500,503,070	3,648,595,438	1.46	2,362,906,000	3,611,744,022	1.53
Rural Power Co. Ltd (210MW)	GAS	1,012,729,264	4,013,100,094	3.96	1,092,051,624	2,839,654,674	2.60
United Power Generation & Distribution	GAS	169,342,080	471,167,703	2.78	176,396,160	511,415,977	2.90
Regent Energy & Power Ltd.	GAS	463,345,635	1,385,956,823	2.99	127,325,664	305,945,761	2.40
Midland Power Company Ltd.	GAS	170,384,648	599,873,618	3.52	229,390,014	631,053,583	2.75
Doreen Power Ltd, Feni	GAS	153,888,560	386,538,316	2.51	-	-	-
Doreen Power Tangail	GAS	147,008,215	378,982,346	2.58	-	-	-
Regent Power Limited	GAS	149,556,764	398,428,569	2.66	653,335,463	1,495,536,363	2.29
Summmit Purbanchal Power Ltd.	GAS	213,583,410	764,809,059	3.58	194,552,064	603,234,726	3.10
United Ashugang Energy Ltd	GAS	721,580,924	3,734,602,574	5.18	958,713,808	3,905,011,990	4.07
Simmit Bibiyana II Power Company Ltd	GAS	2,384,068,600	5,058,289,114	2.12	2,061,220,472	4,556,324,332	2.21
Shahjanullah Power Generation Co Ltd	GAS	117,605,122	364,821,676	3.10	28,181,002	100,717,883	3.57
Kushiara Power Company Limited	GAS	552,270,809	1,459,251,376	2.64	-	-	-
Doreen Southern Power Limited	GAS	-	-	-	250,351,459	2,189,371,252	8.75
Doreen Northern Power Limited	GAS	-	-	-	256,167,282	1,801,067,816	7.03
TOTAL IPP & SIPP (GAS)		**11,970,918,813**	**29,596,865,585**	**2.47**	**10,989,674,013**	**27,755,109,852**	**2.53**
TOTAL IPP & SIPP		**18,201,294,430**	**104,105,913,212**	**5.72**	**16,294,874,316**	**87,338,700,511**	**5.36**

COMPARISION OF ELECTRICITY PURCHASE FROM PUBLIC PLANTS WITH PREVIOUS YEAR

Particulars	Nature of Fuel	FY 2017-2018			FY 2016-2017		
		Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
Ashujong Power Co. Ltd(573MW)	GAS	1,869,508,987	4,777,742,946	2.56	3,214,612,871	5,571,467,720	1.73
Ashujong 50MW Power Co. Ld (50MW)	GAS	307,041,444	529,343,258	1.72	225,997,758	391,548,912	1.73
Ashujong Power Co. Ltd (225MW)	GAS	1,362,588,988	4,359,569,122	3.20	1,093,001,212	3,264,066,301	2.99
Ashujong Power Co. Ltd(450MW) South	GAS	2,314,541,302	7,766,000,107	3.36	1,643,392,108	5,190,041,587	3.16
Ashujong Power Co. Ltd(450MW) North	GAS	1,888,642,727	4,389,383,953	2.32	268,857,772	404,032,553	1.50
SBU Haripur	GAS	74,314,970	506,373,069	6.81	197510464	405,318,009	2.05
EGCB Ltd.(210*2)MW	GAS	636,819,480	2,311,774,178	3.63	506,944,824	1,759,683,600	3.47
EGCB 365 MW Simple cycle	GAS	370,373,819	407,411,201	1.10	-	-	-
EGCB (412MW)	GAS	3,008,508,176	5,655,624,969	1.88	2,874,641,130	4,987,909,631	1.74
North West Power Gen (Sirajgonj) Unit-1	GAS	706,257,989	2,238,863,841	3.17	1,566,491,837	3,477,677,366	2.22
North West Power Gen (Sirajgonj)-Unit-2	GAS	153,897,352	356,501,630	2.32	-	-	-
NWPGCL-360MW Bheramara	GAS	1,232,271,180	3,121,424,757	2.53	252,012,770	567,028,733	2.25
Total PUBLIC PLANT (GAS)		**13,924,766,414**	**36,420,013,032**	**2.62**	**11,843,462,746**	**26,018,774,412**	**2.20**
North West Power Gen (Sirajgonj) Unit-1	HSD	95,172,599	1,796,698,650	18.88	-	-	-
North West Power Gen (Sirajgonj)-Unit-2	HSD	418,783,854	7,292,032,053	17.41	-	-	-
North West Power Gen (Khulna)	HSD	994,281,034	18,087,228,782	18.19	957,013,967	18,291,788,808	19.11
Total PUBLIC PLANT (HSD)		**1,508,237,487**	**27,175,959,486**	**18.02**	**1,643,182,425**	**27,382,343,109**	**16.66**
BPDB RPCL PowerGen Ltd	HFO	701,571,144	9,299,450,347	13.26	686,168,458	9,090,554,301	13.25
Total PUBLIC PLANT (HFO)		**701,571,144**	**9,299,450,347**	**13.26**	**-**	**-**	**-**
Total PUBLIC PLANT		**16,134,575,045**	**72,895,422,864**	**4.52**	**13,486,645,171**	**53,401,117,521**	**3.96**

COMPARISION OF ELECTRICITY PURCHASE FROM INDIA WITH PREVIOUS YEAR

Particulars	Capacity MW	FY 2017-2018			FY 2016-2017		
		Unit kWh	Amount in Tk.	Cost/kWh	Unit kWh	Amount in Tk.	Cost/kWh
NVVN Ltd. - India	250	1,700,993,976	6,171,489,881	3.63	1,886,501,015	7,148,240,038	3.79
PTC India Ltd.	250	1,795,147,914	12,695,149,752	7.07	1,892,344,451	12,883,667,156	6.81
NVVN Tripura	160	991,485,396	7,728,600,365	7.79	717,765,809	4,882,860,435	6.80
PTC India Ltd.	40	300,267,500	1,530,576,145	5.10	197,429,520	1,010,724,183	5.12
Total Import		**4,787,894,786**	**28,125,816,144**	**5.87**	**4,694,040,796**	**25,925,491,812**	**5.52**

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

Particulars	Nature of Fuel	FY 2017-2018			FY 2016-2017		
		Unit Kwh	Amount in Tk.	Cost/kwh	Unit Kwh	Amount in Tk.	Cost/kwh
GBB Power Limited	GAS	169,812,254	549,924,472	3.24	173,504,374	526,879,383	3.04
Shahjibazar Power Co. Ltd.	GAS	381,564,619	1,404,799,121	3.68	402,946,133	1,257,107,043	3.12
Desh Cambridge Kumargaon Power Co. Ltd.	GAS	45,818,811	172,092,399	3.76	55,237,554	166,467,741	3.01
Barkatullah Electro Dynamics Ltd.	GAS	218,089,032	728,038,763	3.34	281,850,576	732,432,580	2.60
Aggreko International Projects Ltd. (145MW)	GAS	510,063,023	2,224,205,817	4.36	996,642,770	3,490,345,415	3.50
Aggreko International Projects Ltd. (85MW)	GAS	334,439,484	1,746,117,538	5.22	436,451,018	1,826,969,398	4.19
Aggreko International Projects Ltd. (95MW)	GAS	176,207,625	622,972,062	3.54	180,231,572	667,606,582	3.70
Energyprima Limited, Kumargaon	GAS	145,590,260	497,922,855	3.42	266,002,400	951,415,807	3.58
Energyprima Limited, Shahjibazar	GAS	258,541,551	937,339,358	3.63	144,375,984	879,086,761	6.09
Venture Energy Resources Ltd,	GAS	166,077,155	751,545,507	4.53	88,243,399	244,346,147	2.77
Precision Energy Ltd.	GAS	117,916,629	642,756,316	5.45	234,115,397	978,891,791	4.18
Max Power Ltd	GAS	289,711,985	1,404,225,547	4.85	441,298,731	1,779,263,008	4.03
United Ashugonj Power	GAS	124,136,842	1,029,064,693	8.29	183,033,973	1,051,929,399	5.75
Energyprima Limited, Bogra	GAS	77,440,320	155,895,468	2.01	63,201,816	222,795,346	3.53
Energyprima Limited, Fenchugonj	GAS	255,959,306	932,022,825	3.64	271,042,582	1,040,701,891	3.84
Total Rental & Quick Rental (GAS)		**3,271,368,897**	**13,798,922,743**	**4.22**	**4,218,178,279**	**15,816,238,294**	**3.75**
Energis Power Corporation Ltd.	HFO	252,667,056	3,107,990,131	12.30	229,537,096	2,348,531,132	10.23
Summit Narayangonj Power Ltd.	HFO	310,136,328	3,746,680,727	12.08	463,062,696	4,082,438,381	8.82
KPCL Unit (2)	HFO	558,435,279	5,748,463,580	10.29	517,533,528	4,666,155,450	9.02
Khanjahan Ali Power	HFO	208,301,441	2,125,464,869	10.20	194,566,346	1,731,203,571	8.90
Quantum Power 105 MW Nowapara	HFO	-	-	-	-	-	-
IEL Consourtium & Associates	HFO	380,150,736	4,256,975,452	11.20	369,322,578	3,696,117,162	10.01
Dutch Bangla Power & Associates Ltd.	HFO	399,645,848	4,423,600,684	11.07	464,817,034	4,154,497,252	8.94
Acron Infrastructure Services Ltd (Julda)	HFO	590,667,150	5,710,921,035	9.67	605,933,460	5,236,897,342	8.64
Amnura (Sinha Power Generation)	HFO	273,149,816	3,306,079,991	12.10	224,374,767	2,697,522,666	12.02
Power Pac Mutiara Keranigonj	HFO	337,035,960	4,309,275,573	12.79	332,008,800	3,419,331,749	10.30
Northern Power Solution Ltd.	HFO	243,986,033	3,084,361,483	12.64	186,421,455	2,562,779,761	13.75
Total Rental & Quick Rental (HFO)		**3,554,175,647**	**39,819,813,526**	**11.20**	**3,587,577,760**	**34,595,474,465**	**9.64**
Aggreko International Projects Ltd. (40MW)	HSD	-	-	-	-	-	-
Aggreko International Projects Ltd. (55MW)	HSD	99,348,940	2,348,634,567	23.64	78,089,810	2,026,304,023	25.95
R Z Power Ltd.	HSD	-	-	-	29,943,534	620,059,265	20.71
DPA Power Gen. Int. Ltd	HSD	109,116,124	2,846,114,570	26.08	83,705,137	2,421,835,009	28.93
Quantum Power 100 MW Bheramara	HSD	-	-	-	-	-	-
Desh Energy - Shiddhirgonj 100 MW	HSD	126,478,464	4,003,787,974	31.66	160,387,800	4,534,190,371	28.27
Total Rental & Quick Rental (HSD)		**334,943,528**	**9,198,537,112**	**27.46**	**352,126,281**	**9,602,388,668**	**27.27**
TOTAL RENTAL & QUICK RENTAL		**7,160,488,072**	**62,817,273,381**	**8.77**	**8,157,882,320**	**60,014,101,426**	**7.36**

GENERATION COST (BPDB'S OWN POWER PLANT) FOR THE YEAR 2017-2018

Sl. No.	Generating Plant under Power Station	Capacity	Plant Factor	Net Generation (kWh)	Variable Cost				Fixed Cost		Total Generation Cost (Tk.)	Gen. Cost Tk/kWh
					Fuel Cost Tk	Fuel cost Tk/kWh	Variable O & M (Tk.)	Variable O & M Tk/kWh	Total Fixed Cost (Tk.)	Fixed Cost Tk/kWh		
1	2	3	4	5	6	7=(6/5)	8	9=8/5	10	11=10/5	12=6+8+10	13=12/5
1	KARNAFULI HYDRO POWER STATION	230	51%	1,024,310,110	-	-	265,714,279	0.26	1,227,449,436	1.20	1,493,163,715	1.46
	Total Water	**230**	**51%**	**1,024,310,110**	**-**	**-**	**265,714,279**	**0.26**	**1,227,449,436**	**1.20**	**1,493,163,715**	**1.46**
2	WIND BASE POWER STATION, KUTUBDIA	0	-	48,128	-	-	129,657	2.69	6,398,353	132.94	6,528,010	135.64
	Total Wind	**0**	**-**	**48,128**	**-**	**-**	**129,657**	**2.69**	**6,398,353**	**132.94**	**6,528,010**	**135.64**
3	BAGHABARI POWER STATION	171	2%	35,023,300	41,714,586	1.19	150,125,385	4.29	355,088,626	10.14	546,928,597	15.62
4	GHORASHAL POWER STATION	950	35%	2,881,306,387	2,653,745,344	0.92	489,739,276	0.17	4,535,962,387	1.57	7,679,447,007	2.67
5	CHITTAGONG POWER STATION, RAWZAN	420	2%	85,984,520	110,408,244	1.28	147,733,098	1.72	1,205,520,547	14.02	1,463,661,889	17.02
6	SHIKALBAHA POWER STATION (Duel Fuel)	60	5%	27,740,174	37,311,814	1.35	95,341,207	3.44	286,094,381	10.31	418,747,402	15.10
7	KUMERGOAN GT POWER SYLHET	20	25%	44,593,290	62,461,845	1.40	8,433,766	0.19	76,126,861	1.71	147,022,472	3.30
8	SYLHET 150 MG PEAKING POWER PLANT	150	46%	603,075,824	734,367,690	1.22	181,044,417	0.30	679,572,917	1.13	1,594,985,023	2.64
9	FENCHUGANJ 2x 90 MW CCPP (1st & 2nd unit)	180	56%	876,387,909	982,009,088	1.12	214,652,340	0.24	997,490,915	1.14	2,194,152,343	2.50
10	SHAHJIBAZAR POWER STATION	60	85%	445,919,060	528,974,315	1.19	134,546,065	0.30	465,201,976	1.04	1,128,722,356	2.53
11	TONGI POWER STATION	109	0%	(2,811,921)	-	-	164,503,053	-	232,123,546	-	396,626,599	0.00
12	SIDDIRGONJ POWER STATION	210	8%	144,749,866	158,418,867	1.09	180,681,312	1.25	898,403,642	6.21	1,237,503,821	8.55
13	CHADPUR CC POWER PLANT	163	45%	637,504,842	670,073,778	1.05	176,223,979	0.28	778,263,452	1.22	1,624,561,209	2.55
14	Bhola 225 MW CCPP	225	69%	1,351,136,717	959,636,129	0.71	122,358,738	0.09	2,195,741,240	1.63	3,277,736,107	2.43
15	Shahjibazar 330 CCPP	330	57%	1,637,936,610	1,373,411,480	0.84	124,188,594	0.08	3,620,627,127	2.21	5,118,227,201	3.12
16	SHIKALBAHA 225 MW Shamipur (Duel Fuel)		-	84,331,313	81,926,712	0.97	6,329,236	0.08	41,568,910	0.49	129,824,858	1.54
17	SBU Haripur		-	-	-	-	315,734	-	186,834,849	-	187,150,584	-
	Total Gas	**3048**	**33%**	**8,852,877,891**	**8,394,459,892**	**0.95**	**2,196,216,199**	**0.25**	**16,554,621,375**	**1.87**	**27,145,297,467**	**3.07**
18	BARAPUKURIA POWER STATION	474	41%	1,692,869,580	8,732,569,036	5.16	685,286,042	0.40	2,810,319,805	1.66	12,228,174,883	7.22
	Total Coal	**474**	**41%**	**1,692,869,580**	**8,732,569,036**	**5.16**	**685,286,042**	**0.40**	**2,810,319,805**	**1.66**	**12,228,174,883**	**7.22**
19	KHULNA POWER STATION	170	0%	(966,566)	-	-	15,514,573	-	715,013,204	-	730,527,777	
20	BAGHABARI 50 PEAKING POWER PLANT	50	24%	104,984,231	1,135,174,587	10.81	34,425,536	0.33	450,677,550	4.29	1,620,277,673	15.43
21	BERA PEACKING POWER PLANT	71	21%	129,213,457	1,497,604,024	11.59	85,694,376	0.66	474,491,408	3.67	2,057,789,808	15.93
22	HATHAZARI PEACKING POWER PLANT	100	23%	204,565,154	2,077,464,896	10.16	87,692,733	0.43	542,793,747	2.65	2,707,951,376	13.24
23	DOHAZARI PEACKING POWER PLANT	100	31%	271,196,400	2,681,193,243	9.89	161,828,511	0.60	550,763,499	2.03	3,393,785,252	12.51
24	FARIDPUR PEACKING POWER PLANT	50	28%	123,783,360	1,359,074,247	10.98	76,643,523	0.62	318,111,928	2.57	1,753,829,698	14.17
25	GOPALGONJ PEAKING POWER PLANT	100	15%	129,948,322	1,571,726,059	12.10	136,022,808	1.05	559,779,369	4.31	2,267,528,236	17.45
26	DAUDKANDI PEACKING POWER PLANT	50	10%	44,054,286	487,700,834	11.07	102,821,467	2.33	475,825,388	10.80	1,066,347,690	24.21
27	SHANTAHAR 50MW POWER PLANT	50	25%	110,539,329	1,040,117,502	9.41	48,864,386	0.44	262,789,222	2.38	1,351,771,110	12.23
28	KATAKHALI 50MW POWER PLANT	50	23%	100,187,775	1,142,446,181	11.40	65,533,156	0.65	264,641,113	2.64	1,472,620,450	14.70
29	CHAPAINOBABGONJ PEAKING PP 100 MW AMNURA	100	34%	294,242,400	2,888,664,437	9.82	23,121,110	0.08	1,156,088,395	3.93	4,067,873,942	13.82
	Sub Total HFO	**891**	**19%**	**1,511,748,148**	**15,881,166,010**	**10.51**	**838,162,179**	**0.55**	**5,770,974,822**	**3.82**	**22,490,303,011**	**14.88**
30	BHERAMARA POWER STATION	60	12%	62,786,473	1,774,044,283	28.26	174,598,062	2.78	330,224,304	5.26	2,278,866,649	36.30
31	BARISHAL GAS TURBINE POWER STATION	40	11%	37,495,237	1,227,911,591	32.75	15,179,148	0.40	147,023,624	3.92	1,390,114,362	37.07
32	BARISHAL DIESEL POWER STATION		-	(3,000)	-	-	1,619,190	-	41,234,673	-	42,853,863	
33	BHOLA DIESEL POWER STATION		-	-	-	-	155,854,012	-	16,851,686	-	172,705,698	
34	SAYEDPUR GAS TURBINE POWER STATION	20	28%	48,650,220	1,325,453,121	27.24	129,002,684	2.65	106,219,744	2.18	1,560,675,549	32.08
35	RANGPUR GAS TURBINE POWER STATION	20	17%	30,116,726	977,518,467	32.46	71,495,506	2.37	84,007,048	2.79	1,133,021,021	37.62
36	SAYEDPUR DIESEL GENERATOR		-	-	-	-	-	-	-	-	-	-
37	THAKURGOAN DIESEL GENERATOR		-	-	-	-	-	-	-	-	-	-
38	KUTUBDIA DIESEL GENERATOR	2	3%	449,162	7,715,103	17.18	250,208	0.56	15,075,847	33.56	23,041,159	51.30
39	SANDIP DIESEL GENERATOR	3	7%	1,601,740	34,158,635	21.33	23,164,463	14.46	11,274,628	7.04	68,597,726	42.83
40	HATIYA DIESEL GENERATOR	2	13%	2,590,432	60,672,273	23.42	24,735,841	9.55	12,727,108	4.91	98,135,222	37.88
	SHIKALBAHA POWER STATION (Duel Fuel)	150	28%	366,524,105	8,086,045,342	22.06	158,245,989	0.43	635,948,312	1.74	8,880,239,643	24.23
	SHIKALBAHA 225 MW Shamipur (Duel Fuel)	225	51%	1,003,048,044	14,717,663,653	14.67	75,802,840	0.08	451,129,074	0.45	15,244,595,567	15.20
41	DGD, Dhaka	-	-	-	579,986	-	1,232,407	-	55,791,039	-	57,603,432	0.00
	Sub Total Diesel	**521**	**34%**	**1,553,259,139**	**28,211,762,455**	**18.16**	**831,180,350**	**0.54**	**1,907,507,087**	**1.23**	**30,950,449,892**	**19.93**
	Grand Total	**5164**	**32%**	**14,635,112,996**	**61,219,957,392**	**4.18**	**4,816,688,706**	**0.33**	**28,277,270,879**	**1.93**	**94,313,916,978**	**6.44**

State Minister for Power Mr. Nasrul Hamid MP addressing the gathering on the occasion of Independence Day organized by Bangabandhu Prokousholi Parishad, BPDB wing

Chairmen BPDB Engr. Khaled Mahmood addressing the inaugural session of 17th Council Conference of BPDB Diploma Engineers Association

Celebration of graduation to developing country from LDC

Celebration of Bangla Nababarsha by lady officers of BPDB

Placing of floral wreath at Shahid Minar on International Mather Language Day and National Martyr's Day

Placing of floral wreath at National Mausoleum at Savar on 16th December

PRIMARY GRID SYSTEM OF BANGLADESH

AS ON JUNE **2018**

Directorate of System Planning, BPDB

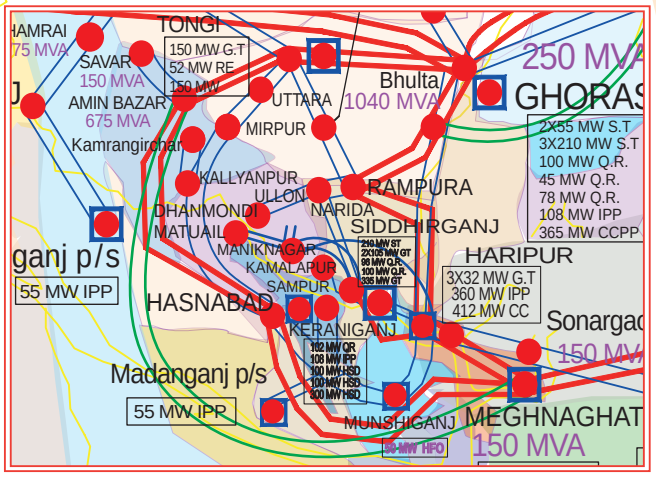
LEGEND :

- 400 KV LINE
- 230 KV LINE
- 132 KV LINE
- EXISTING POWER STATION
- EXISTING GRID SUB-STATION
- EXISTING HVDC GRID SUB-STATION

N

SCALE 0 10 20 30 40 50 100 KM

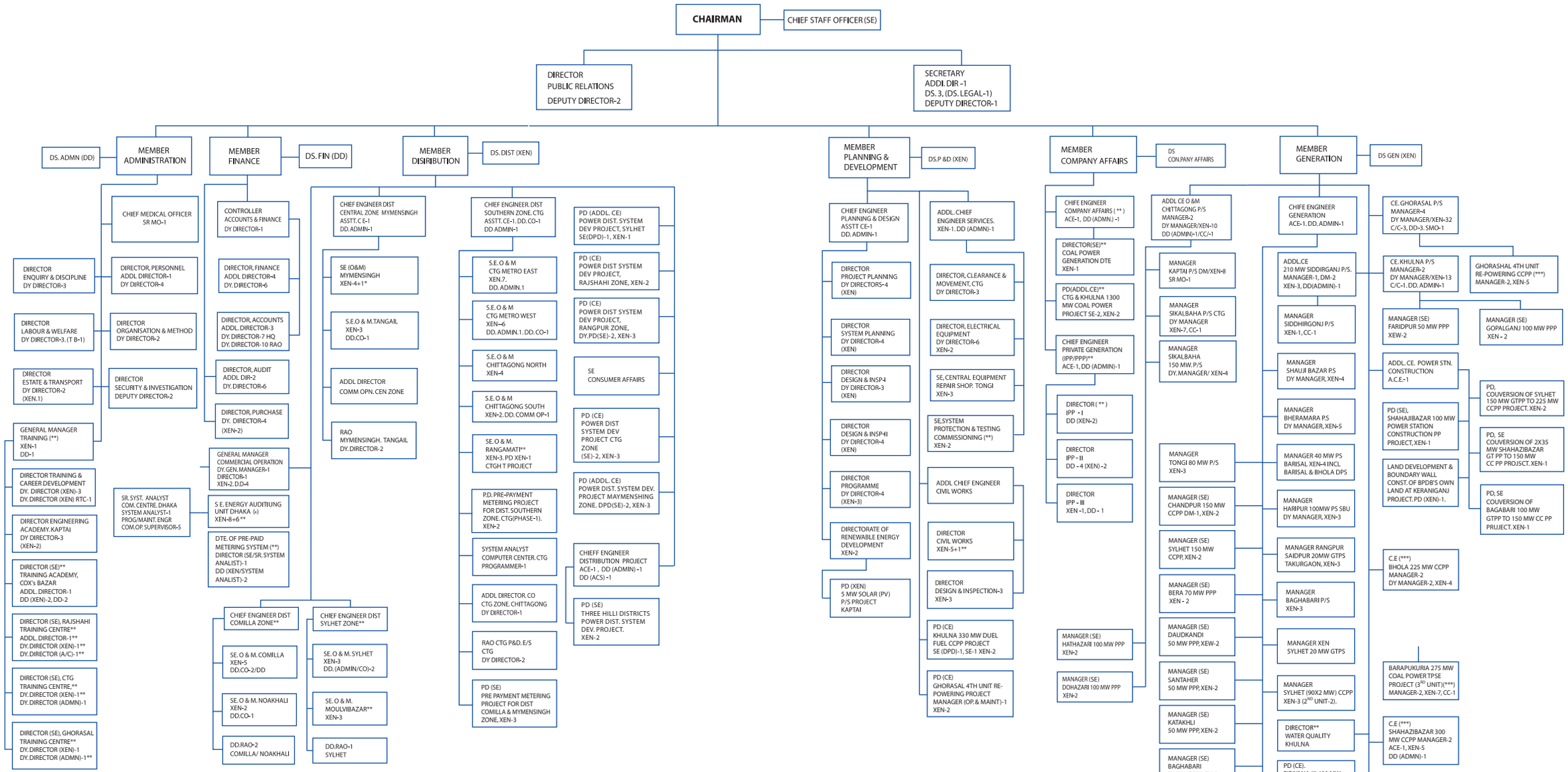
PANCHAGHOR 82 MVA
50MW RENTAL
THAKURGAON 116 MVA
LALMONIRHAT 113 MVA
20 MW G.T
SAIDPUR 207 MVA
RONGPUR 176.66 MVA
20 MW G.T
PURBASADIPUR 211 MVA
2 X 125 MW COAL
275 MW COAL
BARAPUKURIA 750 MVA
PALASHBARI 115 MVA
SHERPUR 100 MVA
BOGRA NEW 750 MVA
JOYPURHAT 164 MVA
JAMALPUR 143 MVA
95 MW IPP
200 MW HFO
SHORISHA BARI
3 MW SOLAR
NETROKONA 157 MVA
50 MW RE
BOGRA OLD 390 MVA
NIAMATPUR 141 MVA
NAOGAON 225 MVA
18 MW (Rental)
20 MW (Rental)
MYMENSINGH 360 MVA
RPCL
210 MW C.C.
CH. NAWABGANJ 101 MVA
AMNURA 100 MVA
50 MW QR
RAJSHAHI 245 MVA
52 MW IPP
NATORE 206 MVA
210 MW GT
225 MW CCPP
225 MW CCPP
SERAJGANJ 166 MVA
50 MW QR
50 MW RE
Rupur 132/11 41 MVA
BERA 70 MW PEAK
PABNA 150 MVA
SHAHJAD PUR 191 MVA
100 MW G.T
71 MW G.T
52 MW PEAK
TANGAIL 225 MVA
KAJIAKOIR 1170 MVA
Kodda Grid 300 MVA
Kodda p/s
149 MW
300 MW HFO
149 MW HSD
JOYDEVPUR 290 MVA
KISHORGANJ 123 MVA
360 MW S.T
210 MW S.T
6X150 MW S.T
55 MW RE
225 MW CC
360 MW CC
55 MW RENTAL
80 MW Q.R.
53 MW Q.R.
51 MW RE
195 MW IPP
56 MW RE.
360 MW North
300 MVA
ASHUGANJ
CHATTAK 81 MVA
SUNAMGANJ 78 MVA
SYLHET 244.3 MVA
Beanibazar 150 MVA
20 MW G.T
50 MW Rental
10 MW Rental
150 MW CC
25 MW RE
KULAURA 82 MVA
FENCHUGANJ P/S 81 MVA
BIBIYANA
341 MW IPP
1040 MVA
91 MW CC
51 MW RENTAL
104 MW CC
44 MW RENTAL
163 MW CCPP
60 MW G.T
2 X 35 MW G.T
86 MW Rental
50 MW Rental
330 MW CCPP
157 MVA
FENCHUGANJ 300 MVA
SHAHJIBAZAR
SREEMONGAL 60 MVA
70 MW Q.R.
B.BARIA 281 MVA
BAHARAMPUR, INDIA
ISHURDI 675 MVA
BHERAMARA
3X20 MW G.T
360 MW
Bheramara Grid 450 MVA
Nababganj p/s 55 MW
BAGHABARI 225 MVA
KABIRPUR 360 MVA
BASUNDHARA
Narsingdi 150 MVA
250 MVA
GHORASAL
2X55 MW S.T
3X210 MW S.T
100 MW Q.R.
45 MW Q.R.
78 MW Q.R.
108 MW IPP
365 MW CCPP
Bhulta 1040 MVA
UTTARA
MIRPUR
KALLYANPUR
ULLON
RAMPURA
NARIDA
DHANMONDI
MATUAIL
SIDDHIRGANJ
HARIPUR
3X32 MW G.T
360 MW IPP
412 MW CC
MANIKNAGAR
KAMALAPUR
SAMPUR
HASNABAD
KERANIGANJ
Sonargaon 150 MVA
DAUDKANDI 150 MVA
MEGHNAGHAT 150 MVA
450 MW CC
335 MW CC
55 MW HFO
200 MW HSD
52 MW
COMILLA NORTH 450 MVA
COMILLA SOUTH 300 MVA
CHANDPUR
150 MW CC
150 MVA
MANIKGANJ 150 MVA
Manikganj p/s
55 MW IPP
Madanganj p/s
55 MW IPP
DHAMRAI 2X50/75 MVA
SAVAR 150 MVA
AMIN BAZAR 675 MVA
Kamrangirchar
TONGI
150 MW G.T
52 MW RE
150 MW
FARIDPUR 240 MVA
54 MW PEAKING
CHUADANGA 150 MVA
KUSHTIA 195 MVA
JHENAIDAH 240 MVA
MAGURA 82 MVA
JESSORE 323 MVA
NOAPARA 143 MVA
40 MW Q.R
105 MW RENTAL
100 MW HSD
KH.CENTRAL 192 MVA
KH.SOUTH 450 MVA
82 MVA
GALLAMARI 82 MVA
GOALPARA
110 MW S.T
60 MW S.T
110 MW R.E KPCL
53 MW Q.R
115 MW Q.R KPCL
225 MW NWPGCL
GOPALGANJ 161 MVA
109 MW PEAKING
MADARIPUR 191 MVA
BAGERHAT 157 MVA
BHANDARIA 82 MVA
SATKHIRA 161 MVA
MONGLA 82 MVA
BARISAL(N) 600 MVA
BARISAL
2X20 MW G.T
110 MW HFO
150 MVA
PATUAKHALI 191 MVA
60 MVA
BHOLA
225 MW CC
95 MW
33 MW
RAMGANJ 75 MVA
CHOWMOHANI 270 MVA
FENI 150 MVA
BSRM 280 MVA
AKSPL 380 MVA
2X210 MW S.T
HATHAZARI 600 MVA
98 MW PEAK
BAROAULIA 158 MVA
KULSI 320 MVA
HALISHAHAR 215 MVA
MADANHAT 82 MVA
BAKULIA 203 MVA
SIKALBAHA 300 MVA
DOHAZARI 150 MVA
102 MW PEAK
RAUJAN
2X40 MW HYDRO
3X50 MW HYDRO
20 MVA
KAPTAI
CHANDROGHONA 61 MVA
60 MW S.T
150 MW G.T
55 MW G.T
108 MW IPP
225 MW CCPP
KHAGRACHARI 78 MVA
JULDA 64 MVA
100 MW QR
SHAMIRPUR 128 MVA
COX'S BAZAR 157 MVA
Bay of Bengal



ORGANISATION CHART OF BANGLADESH POWER DEVELOPMENT BOARD

(SHOWING POSITION DOWN TO XEN / DD AND EQUIVALENT)

As on June, 2018



SUMMARY (INCLUDING PROJECTS)

CHAIRMAN-1, MEMBER-6, CHIEF ENGINEER-16+5**, G.M/ADDL. CHIEF ENGINEER-11+1**
CONTROLLER-1, CMO-1, MANAGER/DIRECTOR (TECH)/SE/DGM-102+14**, SR.SYSTEM ANALYST-1+1,
SECRETARY/DIRECTOR (NON TECH)-13+2**, ADDL.DIRECTOR-13+2**,
XEN/DD/DS/DM-303+33** DD (NON TECH)-111+9**, SYSTEM ANALYST-2+1*
PRO/M.E/COMPUTER OPERATION SUPERVISOR-6, CC-8, SMO-3

TOTAL SANCTIONED STRENGTH-19,679

(*) THERE IS NO APPROVAL OF THE GOVERNMENT AFTER 30 JUNE 1991 FOR THE OFFICES UNDER ENERGY AUDITING UNIT.

(**) THERE IS NO APPROVAL AS YET FROM THE GOVERNMENT.

(***) SET-UP ISSUED FROM APPROVED PP PROVISION AS PER REQUIREMENT THE MANPOWER OF ABOVE STARS (*, **, ***) ARE NOT INCLUDING IN THE SET-UP STRENGTH.

Prepared by the Directorates of System Planning, Programme, Accounts and O & M
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