Annual Report 2016-2017





Bangladesh Power Development Board

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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





This is a matter of joy that Bangladesh Power Development Board (BPDB), the mother organisation of power sector of the country is going to bring out the Annual Report for the financial year 2016-2017.

Bangladesh Power Development Board has been playing a pivotal role in the socio economic development of the country since independence, but it got a momentum after 2009 when new ideas and initiatives introduced in power sector to cope with the sharp rise in development activities of the country.

At present, 83% of the total population has come under the electricity coverage and per capita generation has increased to 433 kWh. The government has already set a target to become a middle income country by 2021 and develop country by 2041. Power sector especially BPDB has to play a significant role in achieving government's all goals because targeted socio economic development will not be possible without uninterrupted and reliable power supply.

BPDB has been functioning as a single buyer in the power market of Bangladesh. BPDB is engaged in purchasing electricity from IPPs, SIPPs, Rental Plants, APSCL, EGCB & NWZPGCL and selling energy to distribution companies. BPDB is now also working for exploring and researching alternative fuel for power generation.

It is to be mentioned that in the fiscal year 2016-17 power sector witnessed a mentionable progress in power generation. 1586 MW new capacity has been added raising the total generation capacity to 13,555 MW. This new capacity addition includes installation of 588 MW by BPDB through IPPs, 278 MW by NWPGCL and 720 MW by APSCL. During the said year the highest power generation was 9479 MW which was 4.90% higher and total energy generation was 57,276 GWh which was 9.74% higher than previous year. In the said year load shedding also came down at a tolerable level despite increasing demand of power. This is a clear indication of gradual improvement.

In FY 2016-17 bulk electricity sales to the distribution utilities were 10.31% higher than the previous year. Total revenue collection also increased to 2,74,355 MTk from 2,22,382 MTk which was 23.37% higher than the previous year. In the said year distribution system loss of BPDB's four zones came down to 9.27% from11.01% of previous year.

We have been working hard over the years to improve the overall performance of BPDB and deliver quality and uninterrupted power to valued consumers and it will continue more vigorously in future.

I hope this annual report would provide a true picture of BPDB as well as power sector.

Khaled Nahmood

Chairman

Bangladesh Power Development Board



Hon'ble Prime Minister Sheikh Hasina inaugurating eight power plants, one sub-station and transmission line, 100% electrification of 10 Upazila and electrification of Thanchi Upazila through video conference from Ganabhaban





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Organisation Chart

400 kV, 230 kV, 132 kV and 33 kV System in Bangladesh (Map)





Present Board

(January, 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)



Md. Fakhruzzaman Member (Distribution)



Sayeed Ahmed Member (Generation)

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 180 MW. In its 45 years' service, the installed capacity of the country increased to 13,555 MW at the end of the FY 2016-2017.

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

- Ashugongj Power Station Company Ltd. (APSCL)
- Electricity Generation Company of Banglades Ltd. (EGCB)
- North West Power Generation Company Ltd. (NWPGCL)
- Power Grid Company of Bangladesh (PGCB)
- West Zone Power Distribution Company Ltd. (WZPDCL)
- □ 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.
- O 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 17,752 MW from 2017 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 (2016-17) Chairman and Members of the Board:

Chairman

Mr. Md. Shamsul Hassan Miah (Upto 16.08.16) Mr. Khaled Mahmood (From 17.08.16)

Member (Administration)

Mr. Lokman Hossain Miah (Upto 27.11.16) Mr. Md. Zahurul Haque (From 27.11.16 to 26.12.16) Mr. Md. Nur-Ur-Rahman (From 27.12.16 to 16.02.17) Mr. Md. Zahurul Haque (From 16.02.17)

Member (Finance)

Mr. Md. Azizul Islam (Upto 28.08.16) Mr. Md. Zahurul Haque (From 29.08.16 to 06.03.17) Mr. Pronob Kumar Ghosh (From 06.03.17)

Member (Generation)

Mr. Khaled Mahmood (Upto 16.08.16)
Mr. Minhazuddin Ahmed (From 17.08.16 to 06.09.16)
Mr. Md. Anwarul Islam (From 07.09.16 to 29.12.16)
Mr. Sk. Md. Alauddin (From 29.12.16 to 12.01.17)
Mr. Abul Baser Khan (From 12.01.17)

Member (Distribution)

Mr. Sk. Md. Alauddin

Member (Planing & Development)

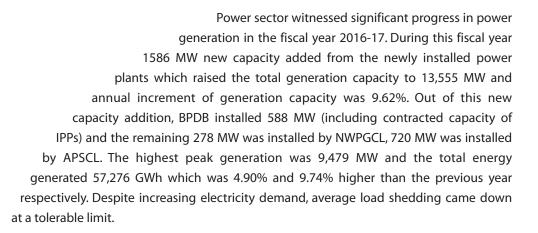
Mr. Abul Baser Khan (From 12.01.16 to 12.01.17) Mr. Md. Azharul Islam (From 12.01.17)

Member (Company Affairs)

Mr. Minhazuddin Ahmed (Upto 29.12.16)
Mr. Abul Baser Khan (From 29.12.16 to 12.01.17)
Mr. Md. Mahfuzur Rahman (From 12.01.17 to 16.02.17)
Mr. Abul Baser Khan (From 16.02.17 to 14.03.17)
Mr. Md. Mustafizur Rahman (From 14.03.17)



HIGHLIGHTS



Due to gas shortage and inadequate new generation addition in the few years back, demand of electricity outpaced generation capacity caused persistent load shedding. In order to mitigate the demand-supply gap, an aggressive plan is prepared by the Government for new generation addition. As part of the plan, 34 power generation projects of capacity 12,061 MW are now under construction. The plan envisages around 17,752 MW new generation addition by 2021.

Gas based power generation increased to 6.23% from previous year. Power generation from liquid fuel increased by 17.11%

In this fiscal year, BPDB sold bulk energy of 53,916 GWh to the distribution utilities including BPDB zones as single buyer which was 10.27% higher than the previous year. Retail sales of BPDB's Four distribution zones was 10,002 MkWh, which was 7.56% lower than the previous year due To handed over of Rajshahi and Rangpur zone to NESCO. Distribution system loss of BPDB's Four zones came down to 9.27% from 11.01% of previous year. Collection/Import (C/I) ratio increased to 89.94% from 85.34%. Per capita generation and consumption (Grid) increased to 351 kWh & 308 kWh from 324 kWh & 281 kWh respectively of previous year.

The net operating loss in the FY 2016-17 increased to 44.35 Billion Taka from 38.74 Billion Taka of previous year. The net loss increased from the previous year mainly due to increased liquid fuel generation together with substantial fuel price hike in phases over the period.



KEY STATISTICS

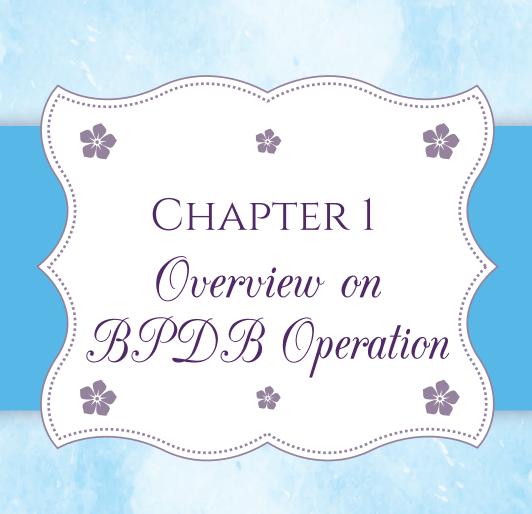
S.N.	Particulars	Year 2015-16	Year 2016-17	% Change over the previous year
1	Installed Capacity of Power Plants as of June (MW):			
'	a) Public Sector			
	i) BPDB	4,320	4,508	4.35
	ii) APSCL	904	1,508	66.81
	iii) EGCB	622	622	0.00
	iv) RPCL	77	77	0.00
	v) NWPGCL	440	718	63.18
	vi) BPDB-RPCL JV	149	149	0.00
	b) Private Sector :	112	1 12	0.00
	i) IPP/SIPP	2,974	3,232	8.68
	ii) Rental	2,028	1,890	-6.80
	c) REB (for PBS's only)	251	251	0.00
	d) Energy Import	600	600	0.00
	e) System Total Installed Capacity (MW)	12,365	13,555	9.62
2	Maximum Peak Generation (MW)	9,036	9,479	4.90
3	Maximum Peak Demand (MW)	11,405	12,644	10.86
4	Net Energy generation (GWh):	11,405	12,044	10.00
	a) i) Public Sectors	22,585	26,597	17.76
	ii) Private Sectors (IPP, SIPP and Rental)	23,786	24,094	1.30
	iii) Energy Import	3,822	4,656	21.81
	iv) Total Generation (In account of Single Buyer)	50,193	55,347	10.27
	b) REB (for PBS's only)	1,999	1,929	-3.51
	c) System Total Generation (GWh)	52,193	57,276	9.74
5	Per Unit Generation Cost in Public & Private (Tk/Kwh)	5.10	5.24	2.75
6	a) Fuel Cost for Thermal Plants in Public Sector (MTk)	60,652	70,591	16.39
-	b) Per Unit fuel Cost for thermal Plants (Tk/KWh)	3.10	2.76	-10.97
7	Annual Plant Factor of Public Sector's Power Plants (%)	48.07	44.25	-7.95
8	System load factor (%)	63.41	66.65	5.11
9	BPDB's Commercial Activities as Single Buyer :	05.41	00.05	3.11
	a) Bulk Sales Unit to Utilities (GWh)	48,895	53,937	10.31
	b) Bulk Billing Amount (MTk)	245,744	273,351	11.23
	c) Bulk Collection Amount (MTk)	222,382	274,355	23.37
	d) Accounts Receivables to Utilities (MTk)	105,609	101,433	-3.95
10	Transmission Loss (%)	2.73	2.72	-0.37
11	Ave. Bulk Electricity Supply cost Taka/kWh	5.55	5.70	2.70
12	BPDB's Commercial Activities with in Distribution Zones :	3.33	3.70	2.70
	a) Energy Imports for Retail Sale (MKWh)	12,159	11,024	-9.33
	b) Retail Sales Unit (MKWh)	10,820	10,002	-7.56
	c) Retail Billing Amount (MTk)	69,379	65,791	-5.17
	d) Retail Collection Amount (MTk)	66,531	65,218	-1.97
	e) Accounts Receivables to Retail Consumers (MTk)	18,696	13,999	-25.13
	f) Collection/Bill Ratio (%)	95.90	99.13	3.37
	g) Collection/Import Ratio (%)	85.34	89.94	5.39
	h) Distribution System loss (%)	11.01	9.27	-15.80
13	Transmission and Distribution (T & D) system Loss (%)	13.10	12.74	-6.56
14	Total Number of consumers of BPDB (Nos.)	3,457,263	2,526,682	-26.92
15	Total Population in the Country (Million)	161	163	1.24
16	Per capita generation (kWh)	324	351	8.45
17	Per capita Consumption (kWh)	281	308	9.74
18	Net profit/(loss) (MTk)	38,738	44,349	14.48
	Note • Maximum Demand is shown as per nower system m		77,575	17,70

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





Hon'ble Prime Minister Sheikh Hasina and Chinese President Mr. Xi Jinping jointly laid the foundation stones and inaugurated some power projects of Bangladesh



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 12,644 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 13,555 MW which includes 3,232 MW IPP/SIPP, 1890 MW Rental Power Plant & 251 MW in REB (for PBS) and 600MW Power Import from India. The maximum peak generation was 9,479 MW which was 4.90% 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 (1.70 %)	Gas	8,810 MW (64.99%)
Steam Turbine	2,404 MW (17.74%)	Furnace Oil	2,785 MW (20.55%)
Gas Turbine	1,105 MW (8.15 %)	Diesel	880 MW (6.49%)
Combined Cycle	4,625 MW (34.12%)	Power Import	600 MW (4.43%)
Power Import	600 MW (4.43%)	Hydro	230 MW (1.70 %)
Reciprocating Engine 4,591 MW (33.87%)		Coal	250 MW (1.84 %)
Total	13,555 MW (100%)	Total	13,555 MW (100%)



Energy Generation

Total net energy generation in FY 2017 was 57,276 GWh, which was about 9.74% higher than previous year's net generation of 52,193 GWh. Net energy generation in the public sector was 26,597 GWh and 26,023 GWh in the private sector (including REB). Another 4,656 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	982 GWh (1.72%)
Natural Gas	38.052 GWh (66.43%)
Furnace Oil	9,950 GWh (17.37%)
Diesel	2,627 GWh (4.58%)
Coal	1009 GWh (1.76%)
Power Import	4,656 GWh (8.13%)
Total	57,276 GWh (100%)



Signing of MoU between Korea Electric Corporation and BPDB for establishing a 1320 MW Coal Based Power Plant at Maheshkhali

Plant Efficiency and Maintenance

The overall thermal efficiency (Net) of the public sector power plants in FY 2017 was 34.58%, higher than previous year's of 33.15 % efficiency.

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

Maintenance of Power Plants In FY 2016-17

SI.		Present	Type of Maintenance	Duration of I	// Aaintenance	
No.	Name of Power Station Capacity (HGPI/MI/OH)		Starting Date	Completion Date		
1.	Ghorashal ST Unit -5	190	ОН	01-10-2016	Continue	
2.	Fenchugonj Unit-2 GT-4	30	HGPI	25-04-2017	25-05-2017	
3.	Bhola CCPP GT1	63	CI	22-12-2016	11-01-2017	
4.	Bhola CCPP GT2	63	CI	07-05-2017	21-05-2017	
5.	Haripur GT	30	CI	28-10-2016	06-11-2016	
6.	Tongi GT	105	Major Inspection	05-09-2016	30-11-2016	



Signing of contract between BPDB and Consortium of LLC Inter RAO & IED holding Russia for overhauling work of Siddhirganj 210 MW power plant



Furnace Oil

21.26%

Diesel -8.31%

Installed Capacity (National) By Fuel Type With Comparison

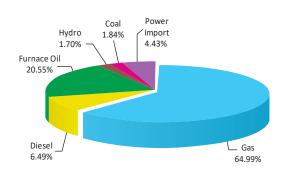
(FY 2016)

Hydro 2.02% Import 1.86% 4.85%

└ Gas

61.69%

(FY 2017)

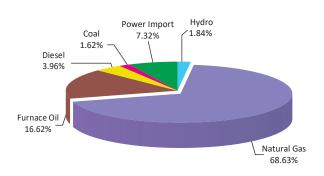


Total: 12,365 MW

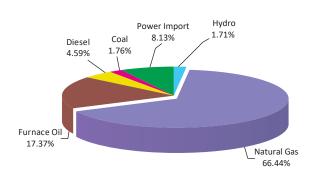
Total: 13,555 MW

Total Net Generation (National) By Fuel

(FY 2015-16)



(FY 2016-17)



Total Net Generation: 52,193 MkWh

Total Net Generation: 57,276 MkWh



TRANSMISSION

Transmission Line

During fiscal year 2016-17, 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 5.49% than that of previous year. The line details are as below:

S.N.	Transmission Line	Conductor Name & Size	Length (Circuit km.)
1.	Bibiyana-Kaliakoir 400kV double circuit transmission line	Twin Finch 1113 MCM	339.06
2.	LILO of Aminbazar-Tongi 230kV double circuit transmission line at Kaliakoir	Twin AAAC 37/4.176 mm.	127.83
3.	Bheramara Power Plant- Bheramara HVDC 230kV double circuit transmission line (NWPGCL)	Twin AAAC 37/4.176 mm.	12
4.	LILO of Kabirpur-Tangail 132kV double circuit transmission line at Kaliakoir	Grosbeak 636 MCM	17.12
5.	Khulna (S)- Satkhira 132kV line second circuit stringing	70010	
	Tota	543.01 ckt.km	

Total length of 400KV transmission line increased to 559.76 circuit km from the previous year of 221circuit km and 230 kV transmission line increased to 3325 circuit km from the previous year of 3,185 circuit km. The total length of 132 kV transmission line increased to 6551 circuit km from the previous year of 6,487 circuit km.

Grid Sub-stations

During fiscal year 2016-17, 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 2016-17 has enlarged by 5.50% at difference voltage level. The substations capacity details are as below:

New Sub-stations

S.N.	Substation Name	Capacity
1.	Kaliakoir 400/230 kV substation	1x520 MVA
2.	Kaliakoir 400/132 kV substation	2 x 325 MVA
3.	Bheramara 230/132 kV substation (NWPGCL)	2x300 MVA
4.	Kodda 132/33 kV substation	4x50/75 MVA
5.	Rooppur 132/11 kV substation	1x25/41 MVA

Augmentation of Existing Sub-station Capacity

S.N.	Substation Name	Capacity
1	Bibiyana 400/230 kV Substation	520 MVA
2	Sikalbaha 230/132 kV Substation	300 MVA
3	Amnura 132/33 kV Substation	50 MVA
4	Bogra 132/33 kV Substation	158 MVA
5	Chowmuhani 132/33 kV Substation	45 MVA
6	Cox's Bazar 132/33 kV Substation	75 MVA
7	Dhanmondi 132/33 kV Substation (DPDC)	75 MVA
8	Fenchuganj 132/33 kV Substation	20 MVA
9	Jessore 132/33 kV Substation	80 MVA
10	Jhenaidah 132/33 kV Substation	79 MVA
11	Joypurhat 132/33 kV Substation	82 MVA
12	Kabirpur 132/33 kV Substation	37 MVA
13	Kamrangirchar 132/33 kV Substation (DPDC)	75 MVA
14	Khulshi 132/33 kV Substation	80 MVA
15	Madaripur 132/33 kV Substation	34 MVA
16	Mymensingh 132/33 kV Substation	90 MVA
17	Narsingdi 132/33 kV Substation	75 MVA
18	Natore 132/33 kV Substation	40 MVA
19	Niyamatpur 132/33 kV Substation	41 MVA
20	Purbasadipur 132/33 kV Substation	55 MVA
21	Shahjibazar 132/33 kV Substation	75 MVA
22	Sitalakhya 132/33 kV Substation (DPDC)	75 MVA
23	Tangail 132/33 kV Substation	75 MVA

Transmission Summary

S.N.	Transmission Line Type	Circuit km
01	400 kV Transmission Line	560
02	230 kV Transmission Line	3325
03	132 kV Transmission Line	6551
	Total Transmission Line	10,436
	Transmission Loss (%)	2.72 %

		The second second	
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)	1	1560
3.	400/132 kV Sub-Station Capacity (MVA)	1	650
4.	230/132 kV Sub-Station Capacity (MVA)	24	11485
5.	132/33 kV Sub-Station Capacity (MVA)	117	14298
	Total	144	28,618



Grid System Operation

In FY 2017, total duration of Power interruption in the grid network was 39 hours 07 minutes.

Interruption of National Grid for FY 2016 and FY 2017

S.N.	Tuno of Foult	Total Number of Faults		Total Duration		
3.IV.	Type of Fault	FY 2016	FY 2017	FY 2016 Hours/ Minutes	FY 2017 Hours/ Minutes	
1.	Partial Power failure due to trouble in generation	111	102	11/57	18/06	
2.	Partial Power failure due to trouble in grid S/S Equipment	00	10	00/00	12/47	
3.	Partial Power failure due to fault in transmission line	01	04	05/10	07/33	
4.	Partial Power failure due to the lightning on transmission line/Thunder Storm	00	00	00/00	00/00	
5.	Partial Grid failure	00	01	00/00	00/41	
6.	Total Grid failure	01	00	00/00	00/00	
	Total	112	117	17/07	39/07	



Bangladesh-India 12th Joint Steering Committee Meeting on power sector cooperation at Delhi

BULK ELECTRICITY SALES BY BPDB

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

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

In FY 2016-17 bulk electricity sales to the distribution utilities increased to 53,937 MkWh from 48,895 MkWh which is 10.31% higher than the previous year. Total revenue collection also increased to 2,74,355 MTk from 2,22,382 MTk which is 23.37% higher than the previous year.

Utility Wise Billing & Collection Statistics of BPDB

Name of		Amount on Tk)		d Amount on Tk)	Acco	ounts Rece (Million T	Coll/Bill Ratio (%)		
Utility	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	% increase over the previous year	2015-16	2016-17
BPDB's Dist. Zones(in/c PS & GK)	69, 379	65,791	66,531	65,218	18,696	13,999	-25.13	95.90	99.13
WZPDCL	13,132	14,030	12,865	15,215	2,528	1,361	-46.14	97.97	108.45
DPDC	47,236	49,996	30,449	54,900	60,063	56,881	-5.30	64.46	109.81
DESCO	27,665	29,138	26,792	31,821	6,650	6,253	-5.97	96.84	109.21
REB/PBS's	88.333	101.434	85,746	98,954	17,672	20,078	13.62	97.07	97.56
NESCO		12,962		8,246		2,860			63.62
TOTAL	245,744	273,351	222,382	274,355	105,609	101,433	-3.95	90.49	100.37

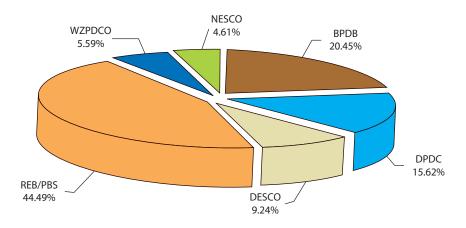


Utility wise Bulk Energy Sales by BPDB As Single Buyer

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

Utility Wise Bulk Sales (FY 2016-17)



Total Sales: 53,916 MkWh



DISTRIBUTION

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

- Distribution zone, Chittagong
- Distribution zone, Mymensing
- Distribution zone, Comilla
- Distribution zone, Sylhet

Distribution network

In the FY 2017, BPDB has extended about 173 km distribution lines as a part of continuous improvement of the system. BPDB covers electrification in 173 thanas/upazillas and 3,778 villages within its Four distribution zones up to the end of this fiscal year. The distribution networks possess:

33 kV line	3404 km
11 kV line	9436 km
0.4 kV line	16979 km
33/11 kV Sub-station	130 nos.
Total capacity of 33/11 kV Sub-station	2623/3390 MVA

Number of consumers

During this fiscal year, BPDB has provided total 2,12,802 new connections and the total number of consumers has been increased to 2,48,1957 and the annual increment was 9.38%.

Distribution system loss

BPDB's distribution zones imported 11,024 MkWh energy from the single buyer for retail sale in its four zones and sold 10,002 MkWh to the consumers in the FY 2017 that results 9.27% distribution system loss which was 11.01% in FY 2016.

Customer's service & satisfaction

BPDB has introduced following services for customer satisfaction:

- Computerized billing
- One stop service
- Pre payment metering
- Demand side management
- Easy bill pay
- Online application
- Supervisory Control And Data Acquisition (SCADA) System

Computerized billing

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

Easy bill pay

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

Name of Zone	Mobile Phone Operator
Chittagong	Grameen phone
Mymensingh	Banglalink
Comilla	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, Chittagong. Any applicant can apply round the clock for new connection of his house, shop, industry, etc. from the website of distribution zone, BPDB, Chittagong. BPDB also has a plan to develop similar facilities in its other distribution zones depending on the responsiveness of consumers of Chittagong zonal area.

Pre-payment metering

About 3,33,246 nos. prepayment meters have been installed at the premises of different categories consumers in demarcated areas in Chittagong, Sylhet, Bogra & Sirajgonj through Pilot Project. They provide more advantages in sales performance than the traditional metering. The main advantages are:

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



Inauguration of Pre-payment Metering Vending Station at Chittagong by State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid MP

SCADA

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

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

- Supervising/Monitoring the networks under it continuously on its computer monitors round the clock and controls the power supply of the networks from the supervisors desk as and when necessary in a systematic manner as directed by the authority concerned.
- 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.

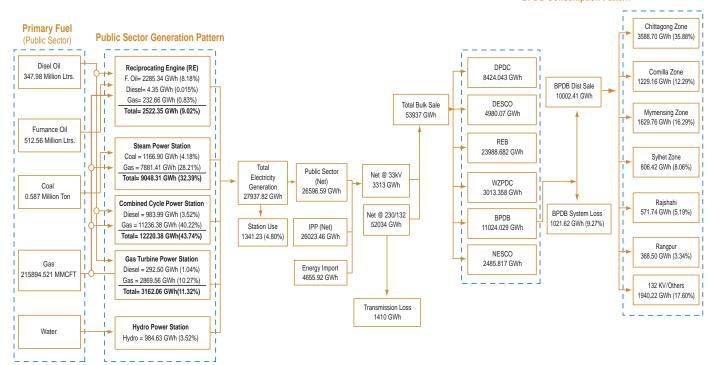
To keep load shedding at a minimum level, BPDB has taken a number of steps for demand side management, which are as follows:

- 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.



ENERGY FLOW CHART (FY 2017)

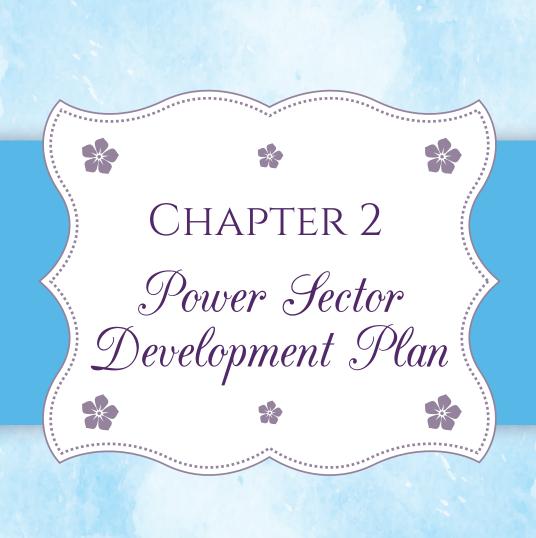
BPDB Consumption Pattern







Inauguration of Power and Energy Week-2016 by Hon'ble Prime Minister Sheikh Hasina



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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 a 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 13,555MW. Out of this, public sector possesses 7,582 MW (56%) & import 600MW (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 9,479 MW on June 7, 2017. At present, 80% of the total population has access to electricity and per capita generation has increased to 433 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 39,000 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 39,000 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 24000MW 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 2016 targeting about 18,000 MW generation additions from 2017 to 2021 is provided in a table below:

Year wise generation projects to be completed (From 2017 to 2021)

Year	2017 (MW)	2018 (MW)	2019 (MW)	2020 (MW)	2021 (MW)	Total
Public	1464	1949	2387	708	2740	9248
Private	325	2276	2116	2580	307	8504
Power Import	60	500		340		900
Total	1849	4725	4503	3628	3047	17752

Under Construction and Tendering Process Projects

Under this above plan, 32 projects of capacity 10,704 MW are now under construction stage. 35 projects of capacity 6,413 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 2017-2023.

Under Construction Projects

S.N.	Description	No. of Projects	Capacity (MW)
01.	IPP	14	6048
02.	Private Sector	18	4656
	Total	32	10,704

Projects under Tendering Process

SN	Type of Power Plant	Power Plant No	Installed Capacity (MW)
01.	Private	8	2073
02.	Public	27	4340
	Total	35	6413

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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 10436 km (Circuit Km) transmission lines and 4,01,678 Km distribution lines have been connected to power system network.

Bangladesh-India Regional Grid first Interconnection project has already been established and now 500 MW power is being imported through this line. Second grid interconnection is now under construction stage. Another 500 MW power will be imported through the

second grid interconnection in 2018. 100 MW power is being imported Tripura, India to Comilla 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.

To strengthen transmission & distribution system, plans are being prepared to construct 10,000 ckt km transmission line, 60,000 MVA capacity based grid substation, 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 15 generations, 7 distributions, 1 TA and 1 self-financing projects were undertaken in the Revised Annual Development Program (RADP) in the FY2016-17. Original Allocation, Revised Allocation & Expenditure incurred (provisional) in the FY2016-17 are shown in the following table.

(Taka in lakh)

Sub-sector	Original ADP FY 2016-17						Expenditure incurred FY 2016-17		
	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign
Generation	412912	54612	358300	451774	98224	353550	528246	113221	417290
Transmission	-	-	-	-	-	-	-	-	-
Distribution	54070	46470	7600	63830	62325	1505	48557	47220	1337
TAPP	420	-	420	420	-	420	420	-	420
Total	467402	101082	366320	516024	160549	355475	577223	160441	419047

Self-Financial Project Allocation: FY 2016-17

Sub-sector	Original ADP FY 2016-17		Revised ADP FY 2016-17			Expenditure incurred FY 2016-17			
	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign
Generation	80000	80000	-	22800	22800	-	1608	1608	-

Year wise commissioning status of generation projects

Projects commissioned in 2010

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Sikalbaha 150 MW	150	BPDB		18.08.2010
2.	Siddirganj 2x120 MW GT	105	EGCB		14.10.2011
	Sub Total	255			
	Private Sector				
3.	Shikalbaha 55 MW Rental Power Plant	55	Rental (BPDB)	HFO	06.05.2010
4.	Ashugonj Rental Power Plant	55	Rental (BPDB)	Gas	07.04.2010
5.	Thakurgaon, 3 Years Rental	50	Rental (BPDB)	HFO	02.08.2010
6.	Ghorashal Sponsor: Aggreko	145	Rental (BPDB)	Diesel	10.08.2010 28.08.2010
7.	Khulna, Sponsor: Aggreko	55	Rental (BPDB)	Diesel	10.08.2010
8.	Pagla, Narayaganj, Sponsor: DPAPGL	50	Rental (BPDB)	Diesel	24.11.2010
9.	9. Bheramara 3 Years Rental		Rental (BPDB)	Diesel	31.12.2010
	Sub Total	520			
	Total	775			

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Ashugonj 50 MW Power Plant	53	APSCL	Gas	30.04.2011
2.	Baghabari 50 MW Peaking PP	52	BPDB	HFO	29.08.2011
3.	Fenchuganj 90 MW CC	104	BPDB	Gas	26.10.2011
4.	Bera 70 MW Peaking PP	71	BPDB	HFO	28.10.2011
5.	Titas, Doudkandi 50 MW Peaking PP	52	BPDB	HFO	29.10.2011
6.	Siddirganj 2x120 MW Peaking PP	105	EGCB	Gas	December, 2011
7.	Faridpur 50 MW Peaking PP	54	BPDB	HFO	November, 2011
8.	Gopanlgonj 100 MW Peaking PP	109	BPDB	HFO	29.09.2011
9.	Sangu, Dohazari 100 MW Peaking PP	102	BPDB	HFO	30.12.2011
10. Hathazari 100 MW Peaking PP		98	BPDB	HFO	23.12.2011
	Sub Total	800			

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

SI. 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	NWPGC	Gas/HSD	December, 2012
5.	Santahar 50 MW Peaking Power Plant	50	BPDB	HFO	December, 2012
6.	Katakhali 50 MW Peaking Power Plant	50	BPDB	HFO	December, 2012
	Sub Total	607			
	Private Sector				
1.	Amnura, Chapainawabganj (Sponsor: Sinha Power)	50	Rental (BPDB)	HFO	13 January, 2012
2.	Fenchuganj 3 Years Rental (Sponsor: Energy Prime Ltd.)	44	Rental (BPDB)	Gas	15 February, 2012
3.	Julda, Chittagong	100	Rental (BPDB)	HFO	26 March, 2012
4.	Keraniganj (Power Pack)	100	Rental (BPDB)	HFO	27 March, 2012
5.	Katakhali, Rajshahi (Sponsor: NPSL)	50	Rental (BPDB)	HFO	23 May, 2012
	Sub Total	344			
	Total	951			

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Projects commissioned in 2013

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Raujan 25 MW PP	25	RPCL	Gas/HFO	3 May, 2013
2.	Khulna 150 MW GT	150	NWPGC	Gas/HSD	23 September, 2013
3.	Haripur 360 MW CCPP	412	EGCB	Gas	December, 2013
	Sub Total	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 576				
	Total	1163			

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date		
	Public Sector						
1.	Sirajganj 150 MW PP Conversion	68	NWPGC	Gas/HSD	14 July, 2014		
	Sub Total	68					
	Private Sector						
1.	Natore, Rajshahi 50 MW PP	52	IPP	HFO	24 January, 2014		
2.	Baraka-Patenga Chittagong 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.	Ghorasal, Narsindi 100 MW PP	108	IPP	Gas	15 July, 2014		
6.	Comilla (Jangalia) 50 MW PP	52	IPP	HFO	28 December, 2014		
	Sub Total 567						
	Total	635					

Projects commissioned in 2015

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected 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.	Ashugonj 225 CCPP: ST Unit	75	APSCL	Gas	10 December, 2015
Sub Total 560					
	Private Sector				
1.	Potiya, Chittagong 108 MW Power Plant	108	IPP	HFO	14 January, 2015
2.	Kathpotti, Munshigonj 50 MW PP	51	IPP	HFO	20 February, 2015
3.	Ashugonj 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	797			
	Total	1,357			

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected 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.	Shajibazar CCPP	330	BPDB	Gas	GT: 20 August , 2016 ST: 20 December, 2016			
	Sub Total	775						
	Private Sector							
1.	Madangonj 55 MW Peaking Plant (Summit Power)	55	IPP	FO	29 February, 2016			
2.	Barisal 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	370						
	Total	1,145						

Year wise expected generation projects

Projects to be commissioned in 2017

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Shikalbaha 225 MW CCPP	225	BPDB	Gas/ HSD	December, 2017
2.	Bheramara 360 MW CCPP	410	NWPGCL	Gas	SC: May, 2017 ST: December, 2017
3.	Ashugonj (North) CCPP	360	APSCL	Gas	June, 2017
4.	Chapai Nababganj 104 MW PP	104	BPDB	FO	August, 2017
5.	Ghorasal 365 MW CCPP	365	BPDB	Gas	SC: August, 2017 ST: December, 2017
	Sub Total	1,464			
	Private Sector				
1.	Bosila, Keranigonj 108 MW PP (CLC Power)	108	IPP	FO	22.02.2017
2.	Power import from Tripura	60	IPP	Import	August, 2017
3.	Kamalaghat 50 MW PP	54	IPP	FO	November, 2017
4.	Kusiara 163 MW CCPP	163	IPP	Gas	December, 2017
	Sub Total 385				
	Total	1,849			

Projects to be commissioned in 2018

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Sirajgonj 225 MW CCPP (2nd Unit)	220	NWPGCL	Gas/ HSD	SC: September, 2017 ST: June, 2018
2.	Siddirganj 335 MW CCPP	335	EGCB	Gas	SC: February, 2018 ST: February, 2019
3.	Sirajgonj 225 MW CCPP (3rd Unit)	220	NWPGCL	Gas/ HSD	SC: March, 2018 ST: December, 2018
4.	Bibiana #3 CCPP	400	BPDB	Gas	SC: March, 2018 ST: December, 2018
5.	Barapukuria 275 MW (3rd Unit)	274	BPDB	Coal	June, 2018
6.	Ashugonj 100 MW PP	100	APSCL	HFO	December, 2018
7.	Gazipur 100 MW PP	100	RPCL	HFO	December, 2018
8.	Kodda 100 MW PP	100	BPDB-RPCL	HFO	December, 2018
9.	Haripur 100 MW PP	100	EGCB	HFO	December, 2018
10.	Bagerhat 100 MW PP	100	NWPGCL	HFO	December, 2018
	Sub Total	1,949			

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Private Sector				
1.	Power import (2nd HVDC)	500	IPP	Import	July, 2018
2.	Daodkandi 200 MW PP(Bangla Track)	200	IPP	HSD	March,2018
3.	Noapara 100 MW PP (Bangla Track)	100	IPP	HSD	March,2018
4.	Aorahati, Keranigonj 100 MW (Aggreko)	100	IPP	HSD	March,2018
5.	Brahmangaon, Keranigonj 100 MW (Aggreko)	100	IPP	HSD	March,2018
6.	Keranigonj 300 MW (APR)	300	IPP	HSD	March,2018
7.	Bogra 113 MW PP (Confidence)	113	IPP	FO	June, 2018
8.	Ashugonj 150 MW PP (Midland)	150	IPP	FO	June, 2018
9.	Labonchora,Khulna 110 MW PP (Orion)	110	IPP	FO	June, 2018
10.	Kodda, Gazipur 300 MW PP (Summit)	300	IPP	FO	June, 2018
11.	Julda ,CTG 100 MW PP (Ackorn)	100	IPP	FO	June, 2018
12.	Chnadpur 200 MW PP (Deas Energy)	200	IPP	FO	June, 2018
13	Mymenshing 200 MW PP (United)	200	IPP	FO	July, 2018
14.	Potia, Chittagong 54 MW PP (Re-located from Satkhira)	54	IPP	FO	December, 2018
15.	Gazipur 150 MW PP (Summit)	149	IPP	FO	December, 2018
16.	Julda, Chittagong 100 MW PP (Acorn Inf) (Unit-2)	100	IPP	FO	December, 2018
	Sub Total	2,776			
	Total	4,725			

Projects to be commissioned in 2019

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Khulna 330 MW CCPP (D/F)	336	BPDB	Gas/HSD	SC: March, 2019 ST: December, 2019
2.	Shajibazar 100 MW PP	100	BPDB	Gas	June, 2019
3.	Ghorasal 4th Unit Repowering (Capacity Addition)	200	BPDB	Gas	May, 2019
4.	Sylhet 150 MW PP Conversion	75	BPDB	Gas	June, 2019
5.	Mirsorai, Chittagong 150 MW PP	150	BPDB-RPCL	Gas/HSD	December, 2019
6.	Ghorasal 3rd Unit Repowering (Capacity Addition)	206	BPDB	Gas	September, 2019
7.	Payra, Potuakhali 1320 Coal Fired Power Plant (1st Phase)	1320	BCPCL (NWPGCL)	Imp. Coal	December, 2019
	Sub Total 2,387				



SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Private Sector				
1.	Sirajganj 414 MW CCPP	414	IPP	Gas/ HSD	SC: January, 2019 ST: May, 2019
2.	Chandpur 100 MW Power Plant	115	IPP	FO	March, 2019
3.	Choumohoni, Noakhali 100 MW Power Plant	113	IPP	FO	March, 2019
4.	Feni 100 MW Power Plant	114	IPP	FO	March, 2019
5.	Meghnaghat 100 MW Power Plant	104	IPP	FO	March, 2019
6.	Thakurgao 100 MW Power Plant	115	IPP	FO	March, 2019
7.	Rangpur 100 MW Power Plant	113	IPP	FO	March, 2019
8.	Bogra 100 MW Power Plant	113	IPP	FO	March, 2019
9.	Jamalpur 100 MW Power Plant	115	IPP	FO	June, 2019
10.	Anowara, Chittagong 300 MW PP (United Enterprise)	300	IPP	FO	May, 2019
11.	Shikalbaha 110 MW PP (Kornofuly Power)	110	IPP	FO	July, 2019
12.	Potiya, Chittagong 100 MW PP (Pricisan Energy)	116	IPP	FO	October, 2019
13	Bhairab 50 MW PP	54	IPP	FO	December, 2019
14.	Bhola 220 MW CCPP (D/F) (Saporji Palonji)	220	IPP	Gas/ HSD	December, 2019
	Sub Total	2,116			
	Total	4,503			

Projects to be commissioned in 2020

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Sayedpur 150 MW PP	150	BPDB	HSD	January, 2020
2.	Bibiana South 383 MW CCPP	383	BPDB	Gas	SC: January, 2020 ST: December, 2020
3.	Satkhira 25 MW PP	25	BPDB	FO	June, 2020
4.	Sreepur 150 MW HFO Based Power Plant	150	BPDB-RPCL	FO	December, 2020
	Sub Total	708			
	Private Sector				
1	LNG based 750 MW CCPP (Reliance)	718	IPP	LNG	June, 2020
2	Meghnaghat 500 MW CCPP (Summit)	583	IPP	LNG	December, 2020
3	Import from Tripura (2nd Phase)	340	IPP	Import	December, 2020
4	Chittagong 612 MW Coal Fired Power Project (S.Alam Group)-1	612	IPP	Imp. Coal	December, 2020
5	Chittagong 612 MW Coal Fired Power Project (S.Alam Group)-2	612	IPP	Imp. Coal	June, 2020
6	Fenchugonj 50 MW Power Plant	55	IPP/NRB	Gas	June, 2020
7	Gabtoli 108 MW PP	108	IPP	FO	December, 2020
	Sub Total	2,920			
	Total	3,628			



Projects to be commissioned in 2021

SI. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Ashugonj 400 MW CCPP (East)	400	APSCL	Gas	January,2021
2.	BIFPCL, Rampal, Coal Fired Power Plant	1320	BIFPCL	Imp. Coal	March,2021
3.	Baghabari 100 MW PP Conversion	50	BPDB	Gas	June, 2021
4.	Shajibazar 70 MW PP Conversion	35	BPDB	Gas	June, 2021
5.	Mymenshingh 360 MW CCPP	360	RPCL	Gas/HSD	June, 2021
6.	Borisal 225 MW CCPP (D/F)	225	BPDB	Gas/HSD	December, 2021
7.	Gazaria 350 MW Coal Fired Thermal Power Plant (Phase-1)	350	RPCL	Imp. Coal	December, 2021
	Sub Total	2740			
	Private Sector				
1.	1. Borisal 307 MW Coal Fired Power Plant		IPP	Imp. Coal	December, 2021
	Sub Total	307			
	Total	3047			



Basila 108 MW Power Plant



Patia 108 MW Power Plant



Gognagar 102 MW Power Plant



Shalla 400 KW Solar Power Plant



RENEWABLE ENERGY DEVELPOMENT PROGRAM

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 suppliment the national economic growth as sustainable, social and economic development depends on adequate power generation of a country. At present only around 80% of the people have access to electricity and per capita generation (including captive power) is only 407 kWh 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. Under the existing generation

scenario of Bangladesh, Renewable Energy has a very small share around 2.87% to the total generation. 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. Government has made the most strategic power generation plan in terms of fuel diversity. The change has been made considering availability of gas supply in future and analyzing primary fuel supply scenarios for future power generation. GoB is expecting addition 2000 MW generation every year up to 2021. 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 2016-2017, BPDB has taken the following steps for implementation, planning & development of renewable energy sector:

Renewable Energy Based Projects

BPDB has installed solar system of total capacity 270.07 kWp in different offices of BPDB which includes both offgrid and grid tied technologies and installation of total 44.956 kWp is in pipeline. Besides, under Four

Distribution zones of BPDB total 1611.23 kWp Solar system has been installed by Private or Consumer's initiatives which also include both off-grid and grid tied technologies.



Sharishabari 3 MW Solar Power Plant

Implemented Solar Power Projects

- ➤ Dte. of RER&D has completed the work named "Conversion of the 37.50 kWp Solar System Installed on the Rooftop of Biddyut Bhaban into Grid Tied Solar System".
- ➤ Dte. of RER&D has completed the work named "Conversion of the 32.75 kWp Solar System Installed on the Rooftop of WAPDA Bhaban into Grid Tied Solar System".
- ➤ Implementation of 3 MWp Grid Connected Solar PV Power Plant at Sharishabari, Jamalpur on Build, Own & Operate (BOO) basis.

Implemented PV Projects/PV Systems (Mini-Grid)

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

Implemented Wind Power Projects

- ➤ BPDB has completed the work named "Repairing of 0.9MW (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).



Inauguration of Kutubdia 1 MW Wind Power Plant by State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid MP

Ongoing PV Projects/PV Systems (Grid-Tied)

BPDB's Own Project

- > 7.4 MWp Grid Connected Solar PV Power Plant at Kaptai Hydro Power Station compound under BPDB in Rangamati.
- > Construction of Rangunia 60 MWp Solar Photovoltaic Grid Connected Power Plant.
- > Construction of Gangachora 55 MWp Solar Photovoltaic Grid Connected Power Plant.
- > Installation of a 100 MWp Solar PhotoVoltaic (PV) based Grid-Connected Power Generation Plant at Sonagazi upazilla of Feni district.

IPP Project

- > 200MW (AC) Solar Park on BOO basis at Teknaf, Cox's Bazar by Sun Edsion Energy Holding (Singapore) Pte Ltd.
- > 20MW+10% Grid -Tied Solar Power Project by Joules Power Limited.
- > "32 MW (AC) Solar Park at Dharmapasha, Sunamganj" by EDISUN-Power Point & Haor Bangla-Korea Green Energy Ltd.
- > "50 MW (AC) Solar Park at Sutiakhali, Mymensing District, Bangladesh" by HETAT-DITROLI-IFDC SOLAR.
- > "30MW Grid Tied Solar PV Power Project" at Gangachara, Rangpur by Intraco-Julio Power Consortium.
- > "5MW Grid Tied Solar PV Power Project" at Gwinghat, 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.
- "5MW Grid Tied Solar PV Power Project" at Patgram, Lalmonirhat by Green Housing & Energy Ltd.
- > "30MW 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.
- > "100MW 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.
- > "8MW Grid Tied Solar PV Power Project" at Majhipara, Tetulia, Panchaghar by Parasol Energy Ltd.
- > "100MW Grid Tied Solar PV Power Project" at Bora Durgapur, Mongla, Bagerhat by a Consortium of Energon Technologies FZE and China Sunergy Co. Ltd. (ESUN).
- > "50MW Grid Tied Solar PV Power Project" at Porabari, Tangail by a Consortium of Hanwha 63 City Co. Limited, South Korea, BJ Power Company Limited, South Korea and Solar City Bangladesh Limited, Bangladesh.
- > "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 2MW 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.

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, Chittagong by a Consortium of PIA Group LLC, Spain and Bangladesh Alternative Energy Systems Ltd.

Ongoing Solid Waste to Energy based Power Projects

➤ Design, Supply, Construction, Testing & Commissioning of Municipal Solid Waste to 1 ± 10% MW Energy Conversion Pilot Project at Keraniganj on Turnkey Basis.

Implemented Solar Charging Stations

> BPDB has implemented two solar charging stations at Sylhet and Chittagong, 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.



Signing of contract between BPDB and Southern Solar Power Ltd. for establishment of 200 MW solar park at Teknaf

ON GOING DISTRIBUTION PROJECTS OF FY 2016-2017

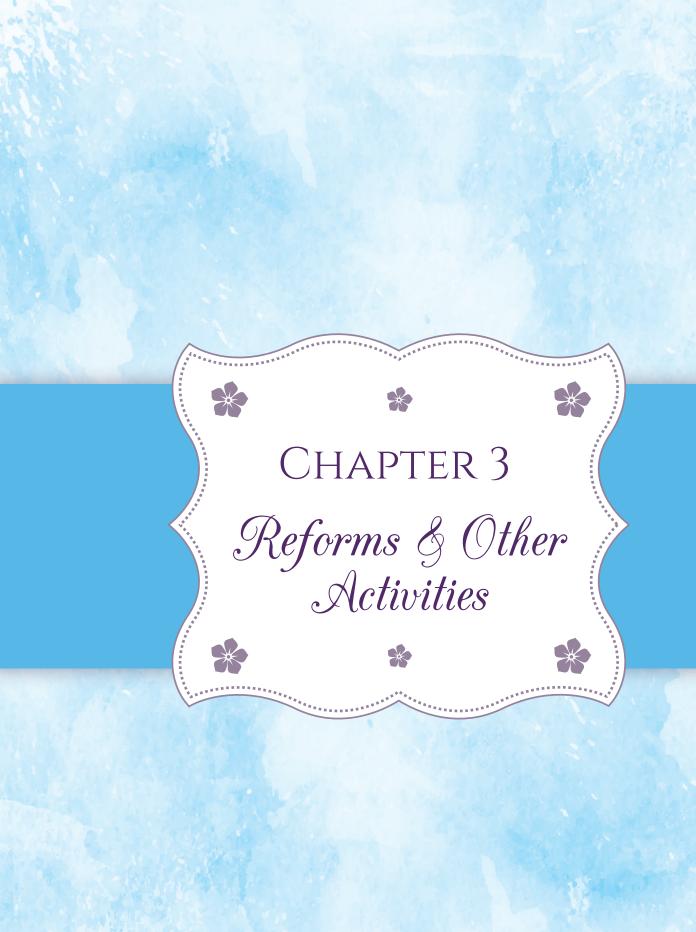
With the aim of renovation and expansion of existing distribution network for reduction of distribution line loss, electrification new areas and improved customer satisfaction, BPDB has undertaken various distribution projects. The under-construction distribution projects are as follows:

SI.			Projects costs	;	Year of	, Cumu.
No.	Name of the Projects	Local (Lakh Tk.)	Foreign (Lakh Tk.)	Total (Lakh Tk.)	complition	progress (%)
1.	Pre-payment metering project for distribution southern Zone Chittagong (Phase -1)	13735.81 13152.82 0.00 582.99	6850.00 6850.00 0.00 0.00	GOB	54.15	54.15
2.	Solar Street -Lighting Program in City Corporations.	22263.63 6913.96 15349.67 0.00	1432.00 200.00 1232.00 0.00	ADB	10.08	10.08
3.	Pre-payment metering project for distribution Comilla and Mymensingh Zone	13249.22 1825.74 10404.85 1018.63	200.14 95.00 105.14 0.00	KFW	1.92	1.92
4.	Chittagong Zone Power Distribution System Development project	109969.88 106361.74 0.00 3608.14	15000.00 15000.00 0.00 0.00	GOB	15.00	15.00
5.	Power distribution system Development project, Rajshahi Zone	91498.87 88004.97 0.00 3493.90	20680.00 20680.00 0.00 0.00	GOB	12.00	12.00
6.	Power distribution system Development project, Rangpur Zone	133428.73 127457.68 0.00 5971.05	16894.80 16894.80 0.00 0.00	GOB	12.00	12.00
7.	Power distribution system Development project, Sylhet Zone	189084.90 173861.02 0.00 15223.88	2500.00 2500.00 0.00 0.00	GOB	10.00	10.00

FUTURE DISTRIBUTION PROJECTS UP TO 2021

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:

SI.		Projects costs				
No.	Name of the Projects	Local (Lakh Tk.)	Foreign (Lakh Tk.)	Total (Lakh Tk.)		
1.	Power Distribution System Development Project, Mymensing Zone	157921.99	0	157921.99		
2.	Power Distribution System Development Project, Comilla Zone	169654.11	0	169654.11		
3.	Prepayment Metering Project For BPDB's Six Distribution Zones	43351.25	108643.56	151994.81		
4.	Greater Chittagong Power Distribution project - SCADA Rehabilitation (Phase II)	719.69	1916.77	2636.46		
5.	Prepayment Metering For BPDB's Distribution Zones	6225.34	35276.92	41502.26		
6.	Construction of 33 KV Underground Cable at Chittagong Zone	0	1568000.00	1568000.00		





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.
- Electricity Generation Company of Bangladesh (EGCB) has been formed as a Generation Company since 2004. EGCB has implemented 2x105 MW Peaking Power Plant at Shiddirgonj and 412 MW CCPP Power Plant at Haripur. EGCB has also started construction process of another 335 MW CCPP at Shiddirgonj.
- West Zone Power Distribution Company Ltd. (WZPDCL) was created in 2002 to look after the distribution system of Barisal and Khulna Zone. WZPDCL is a distribution subsidiary of BPDB.
- Electricity Generation Company of Bangladesh (EGCB) has been formed as a Generation Company since 2004. EGCB has implemented 2x105 MW Peaking Power Plant at Shiddirgonj and 412 MW CCPP Power Plant at Haripur. EGCB has also started construction process of another 335 MW CCPP at Shiddirgonj.
- 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. NWPGCL has also
 started construction process of 412 MW CCPP at Bheramara, Sirajganj 225 MW CCPP project (2nd unit), 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 order to achieve this vision, specialized skilled services maintenance with in Generation, Transmission resource development is implementation of hi-tech nature in power operation of these facilities range. Sector entities have hours/year/employee and 100 hours in future. It is quality training otherwise

BPDB been has **Programs** through Career Development. four regional training training center for power courses for technical and sector entities. power BPDB are located at Tongi,

Achievement against training program conducted during FY 2017 is shown below

SI. No.	Name of Training Center/Academy	No. of Course	Total No. of Trainees
1.	Engineering Academy, Kaptai, Rangamati	35	832
2.	Regional Training Centre, Tongi, Gazipur.	56	1599
3.	Chittagong Training Centre, Chittagong.	48	1363
4.	Rajshahi Training Centre, Rajshahi	63	1737
5.	Ghorasal Training Centre, Narsingdi	61	1808
6.	Directorate of Training & Career Development, Dhaka.	84	2137
7.	Training Academy, Cox's Bazar	46	1289
8.	On The Job Training	228	10305
9.	Training in Abroad	130	533
10.	Seminar/Workshop	141	1941
	Total	892	23544

international standard. In it is needed to develop in the field of operation & outstanding performance & Distribution. Human the key for successful development projects of sector and efficient to keep tariff at affordable program to train 60 have a plan to increase its very important to ensure all efforts will go in vain.

implementing all its training Directorate of Training & Training Academy of Kaptai, centers and two specialized plants are providing training non-technical manpower of Regional Training Centers of Rajshahi, Chittagong and

Khulna. Training centers at Ghorasal and Ashuganj are dedicated to train power plant engineers & staff. The construction work of a well-equipped training center at Jhilongjai in Cox's Bazar was completed in two years ago and training program has been taking place in this training center. Efforts are underway to establish state-of-the-art training academy at Keraniganj near Dhaka for this purpose.



Power Secretary Dr. Ahmad Kaikaus distributed certificates among the newly recruited Assistant Engineers after completion of their foundation training





GENERATION TABLES AND CHARTS

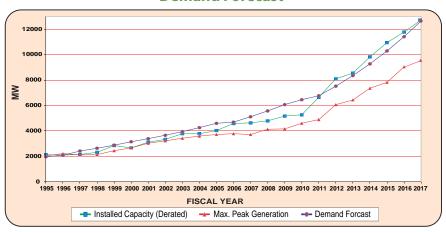
Installed Capacity, Present Capacity (Derated), Maximum Demand **Maximum Peak Generation and Load Shedding**

Year	Installed capacity (MW) ¹	Present Capacity (Derated) (MW) ²	Maximum Demand (MW) ³	Maximum Peak Generation (MW)	Maximum Load Shedding (MW)
1974-75	667	490		266	
1975-76	766	606		301	
1976-77	767	571		342	
1977-78	752	557		396	
1978-79	718	571		437	
1979-80	822	625		462	
1980-81	813	707		545	
	857	712		604	
1981-82					
1982-83	919	810		709	
1983-84	1,121	998		761	
1984-85	1,141	1,018		887	
1985-86	1,171	1,016		883	
1986-87	1,607	1,442		1,084	
1987-88	2,146	1,859		1,317	200
1988-89	2,365	1,936		1,393	170
1989-90	2,352	1,834		1,509	180
1990-91	2,350	1,719	-	1,640	340
1991-92	2,398	1,724		1,672	550
1992-93	2,608	1,918	-	1,823	480
1993-94	2,608	1,881	-	1,875	540
1994-95	2,908	2,133	2,038	1,970	537
1995-96	2,908	2,105	2,220	2,087	545
1996-97	2,908	2,148	2,419	2,114	674
1997-98	3,091	2,320	2,638	2,136	711
1998-99	3,603	2,850	2,881	2,449	774
1999-00	3,711	3,549	3,149	2,665	536
2000-01	4,005	3,830	3,394	3,033	663
2001-02	4,234	3,883	3,659	3,218	367
2002-03	4,680	4,368	3,947	3,428	468
2003-04	4,680	4,315	4,259	3,592	694
2004-05	4,995	4,364	4,597	3,721	770
2005-06	5,245	4,614	4,693	3,782	1312
2006-07	5,202	4,623	5,112	3,718	1345
2007-08	5,305	4,776	5,569	4,130	1049
2008-09	5,719	5,166	6,066	4,162	1269
2009-10	5,823	5,271	6,454	4,606	1459
2010-11	7,264	6,639	6,765	4,890	1335
2011-12	8,716	8,100	7,518	6,066	1058
2012-13	9,151	8,537	8,349	6,434	1048
2013-14 2014-15	10,416	9,821 10,939	9,268 10,283	7,356 7,817	932 307
2014-15	11,534 12,365	11,770	11,405	9,036	250
2015-10	13,555	12,771	12,644	9,479	250

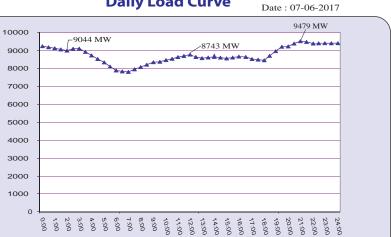
- **Note:** 1. Installed capacity is as of 30th June of the year.
 - 2. Present Capacity (Derated) is the Maximum available generation capacity at present.
 - 3. Maximum Demand is shown as per power system master plan 2010.



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



Daily Load Curve



Load Duration Curve

Hour → System Total

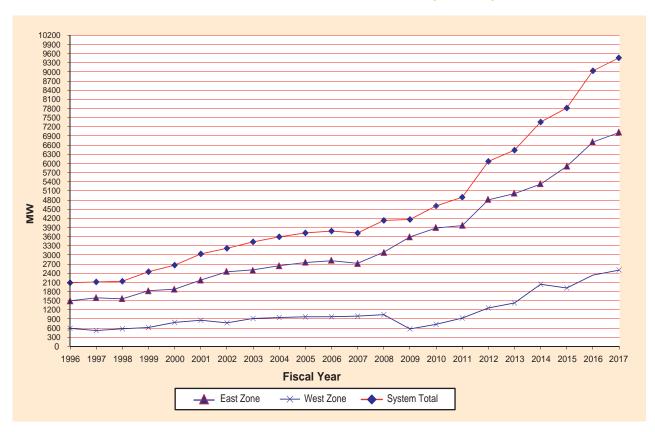


Year Wise Maximum Generation

	Maxi	mum Generation in	% Increase over	
Year	East Zone	West Zone	System Total	the preceding year
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



Growth of Maximum Generation (Actual)





Signing of contract for establishment of Khulna 330 MW combined cycle (dual fuel) power plant between BPDB and consortium of Harbin Electric International Co. Ltd. China and Jiangsu ETERN Co. Ltd. China

Plant Wise Generation (FY 2016-17)

SI. 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)
1	Karnafuli Hydro(2x40 MW+3x50 MW)	Hydro	230	982.04	48.87		
2	Rauzan 210 MW S\T (1st)	Gas	180	249.38	18.00	26.10	
	Rauzan 210 MW S\T (2nd)	Gas	180	609.42	42.78	26.57	
3	Chittagong 1x60 MW Steam Turbine	Gas	40	67.16	21.96	24.26	
4	Chihallada 150 MM/ Paalda a DD	Gas	150	401.50	40.26	29.50	
4	Shikalbaha 150 MW Peaking PP	HSD	150	111.66	17.88	27.28	
5	Shikalbaha 225 MW Peaking PP	Gas	150	118.79	10.33	30.39	
)	Stilkalbaria 225 MW Peaking PP	HSD	150	13.37		27.07	
6	Hathazari 100 MW Peaking PP	HFO	98	111.89	13.39	38.75	
7	Sangu, Dohazari 100 MW PPP	HFO	102	263.08	30.18	41.58	
8	RPCL Raozan 25 MW	HFO	25	117.03	55.21	38.84	
9	RPCL Gazipur 52 MW	HFO	52	241.44	54.59	38.80	
	Ashuganj 2x64 MW Steam Turbine	Gas	53	205.93	51.13	25.00	
	Ashuganj 3x150 MW Steam Turbine	Gas	398	2928.25	89.56	33.04	
	Ashuganj (South) 450 MW CCPP	Gas	360	1643.39	53.32	41.02	
10	Ashuganj (North) 450 MW CCPP	Gas	360	268.86	9.24	35.86	
	Ashuganj GT 2 *	Gas	0	80.43	23.03	17.64	
	Ashuganj 50 MW	Gas	45	226.00	59.02	38.33	
	Ashuganj 225 MW CCPP	Gas	221	1093.00	57.52	40.47	
11	Chandpur 150 MW CCPP	Gas	163	608.49	45.76	30.65	
	Ghorasal 2x55 MW Steam Turbine	Gas	85	414.73	59.40	26.78	
12	Ghorasal 2x210 MW Steam Turbine	Gas	350	1887.53	66.69	32.05	
	Ghorasal 210 MW S/T (5+6th Unit)	Gas	190	237.60	16.37	30.68	
13	Siddhirganj 210 MW Steam Turbine	Gas	150	678.25	55.33	30.71	
14	Siddhirganj 2x120 MW G/T (EGCB)	Gas	210	506.94	28.68	23.88	
15	Haripur 3x33 MW Gas Turbine	Gas	40	197.51	56.74	20.62	
16	Haripur 412 MW CCPP (EGCB)	Gas	412	2874.64	82.88	56.08	
17	Shahjibazar 60 MW Gas Turbine	Gas	66	214.53	37.31	25.79	
18	Shahjibazar 330 MW CCPP	Gas	330	906.95	31.37	47.38	34.81
19	Sylhet 1x20 MW Gas Turbine	Gas	20	25.73	14.86	23.66	
20	Sylhet 1x150 MW Gas Turbine	Gas	142	502.36	41.73	25.79	
21	Fenchuganj C.C. (Unit #1)	Gas	80	446.92	64.82	25.06	
	Fenchuganj C.C. (Unit #2)	Gas	90	389.95	52.23	27.85	
22	Titas (Doudkandi) 50 MW RE	HFO	52	47.33	10.95	36.96	
23	Kodda Gazipur 150 MW (PDB-RPCL) Sonagazi 1 MW wind PP	HFO	149	686.17	53.50	39.26	
24		Wind	0	0.09			
25 26	Barisal 2x20 MW Gas Turbine	HSD	30 46	46.52 57.98	18.10	18.14	
27	Bheramara 3x20 MW Gas Turbine	HSD Gas	278	252.01	14.49 10.82	21.88 37.58	
28	Bheramara 360 MW CCPP Khulna 150 MW (NWPGCL)	HSD	278	957.01	48.84	40.58	
29	Faridpur 50 MW Peaking PP	HFO	54	128.54		39.37	
30	Gopalgonj 100 MW Peaking PP	HFO	109	177.08	28.62 19.42	38.16	
31	Baghabari 71 MW Gas Turbine	Gas	71	390.41	63.21	27.50	
32	Baghabari 100 MW Gas Turbine	Gas	100	104.60	11.97	29.12	
33	Bhola 225 MW CCPP	Gas	194	104.60	64.69	47.53	
34	Baghabari 50 MW RE	HFO	52	88.90	19.94	37.12	
35	Bera 70 MW RE	HFO	71	109.16	17.91	41.67	
36	Rangpur 20 MW Gas Turbine	HSD	20	26.75	15.39	19.60	
37	Saidpur 20 MW Gas Turbine	HSD	20	33.37	19.15	22.18	
38	Barapukuria 2x125 MW ST (COAL)	Coal	200	1008.84	66.60	24.24	
39	Sirajgonj 210 MW CC	Gas	210	1566.49	88.77	46.12	
40	Santahar 50 MW PP	HFO	50	104.40	24.21	36.58	
41	Katakhali 50 MW PP	HFO	50	104.40	25.25	37.75	
42	Chapainobabgonj PP 100MW, Amura	HFO	0	43.01	4.74	38.88	
	Total(Grid)	111.0	7063.00	26592.24	44.25	55.00	
	Isolated East	HSD		4.35			
43	Isolated West	HSD		0.00			
	Total Public Sector		7063	26596.59	44.25		
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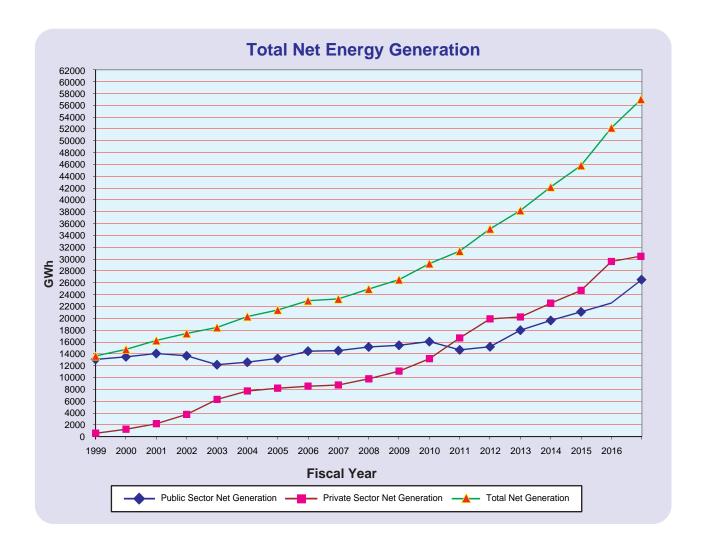
SI. No.	Name of power plant	Type of fuel	Installed Capacity (As of June) (MW)	Net Energy Generation (GWh)	Annual Plant factor (%)	Efficiency (%) (Net)
	IPP		(/	(GWII)	(/0)	
1	KPCL (Khulna,BMPP)	HFO	110	414.34	43.00%	39.09
2	NEPC (Haripur, BMPP)	HFO	110	220.35		41.03
3	RPCL 210 MW(Mymensingh) CDC, Haripur	Gas Gas	202 360	1092.05 2362.91	61.71% 74.93%	45.15 49.06
5	CDC, Meghnaghat	Gas	450	2599.08		45.17
6	Ashuganj 51 MW (Midland)	Gas	51	229.39		35.51
7	Natore, Rajshahi 50 MW PP (RajLanka)	HFO	52	201.28		43.57
8	Meghnagat power Co. (summit)	HSD	305	1023.96		25.54
9	Gogonnogor 102 MW PP Baraka-Potengga 50 MW PP	HFO HFO	102 50	421.09 276.51	47.13% 63.13%	41.25 43.05
11	Ghorashal 108 MW (Regent Power)	Gas	108	653.34		37.26
12	Potiya, Chittagong 108 MW (ECPV)	HFO	108	487.89		43.05
13	Comilla 52 MW (Lakdhanvi Bangla)	HFO	52	83.05		43.57
14	Katpotti, Munshigonj 50 MW (Sinha peoples)	HFO	51	162.60		42.90
15 16	Ashuganj modular 195 MW (United Power) Nawabganj 55 MW (Dhaka Southern)	Gas HFO	195 55	958.71 271.97	56.12% 56.45%	42.51 44.40
17	Doreen Northern Power Limited	HFO	55	234.55	48.68%	44.40
18	Madangonj 55 MW IPP (5 Yrs Summit)	HFO	55	254.07	52.73%	42.54
19	Summit Barisal (110 MW)	HFO	110	710.88		42.54
20	CLC 108 MW Bosila Keraniganj	HFO	108	124.29		43.20
21	Jamalpur 95 MW Power Plant Ltd. Powerpac Mutiara Bibiyana 2 (Summith) 341 MW	HFO Gas	95 341	274.45 2061.22	32.98% 69.00%	43.57 28.88
	Sub-Total IPP	Gas	3125	15117.97	09.00%	20.00
	RENTAL & SIPP					
1	Bogra Rental (GBB) (15 Years)	Gas	22	173.50		31.62
2	Kumargoan (Energy Prima)(3 Years)	Gas	50	266.00		34.25
3	Sahzibazar RPP (Shahjibazar Power) (15 Years) Sahzibazar RPP (Energyprima) (3 Years)	Gas Gas	86 50	402.95 144.38		27.25 28.41
5	Tangail SIPP (Doreen) (22 MW) (BPDB)	Gas	22	139.61	72.44%	38.26
6	Feni SIPP (22 MW) (BPDB)	Gas	22	152.37	79.06%	38.26
7	Kumargao 10 MW(Desh Energy) (15 Years)	Gas	10	55.24		43.05
8	Barabkundu Bhola RPP (34.5 MW)	Gas	33	127.33		38.26
10	Jangalia , Comilla (33 MW)	Gas Gas	33	88.24 194.55		28.49 38.23
11	Fenchugonj 51 MW Rental (Barakatullah) (15 Yrs)	Gas	51	281.85		37.91
12	Shikalbaha 55 MW Rental (3 Years)	HFO	51	229.54		43.00
13	Malancha	Gas	0	176.39		
14 15	Shahjahanullah Power Gen Co. Ltd. Ashugonj 55 MW (Precision Energy) 3 Years Rental	Gas Gas	55	28.18 234.12		32.50
16	Thakurgaon 50 MW 3 Years Rental	HSD	0	29.94		36.69
17	Fenchugonj 50 MW (Energy Prima)	Gas	44	271.04		31.28
18	Ghorashal 45 MW RPP (Aggreko)	HSD	45	336.96		35.96
19	Khulna 55 MW RPP 3 yrs (Aggreko)	HSD	55	78.09		32.50
20	Ghorashal 100 MW RPP Aggreko) Pagla 50 MW (DPA)	GAS HSD	100 50	659.69 83.71	75.31% 19.11%	35.96 38.33
22	Shiddirgonj 100 MW Q. Rental (Desh Energy) 3 Yrs	HSD	100	160.39		39.24
23	B.Baria 70 MW QRPP (3 Yrs Aggreco)	Gas	85	436.45		35.96
24	Madangonj 100 MW QRPP (5 Yrs Summit)	HFO	100	463.06	52.86%	41.79
25	Khulna 115 MW QRPP (5 Yrs Summit)	HFO	115	517.53		40.15
26 27	Ghorashal 78 MW QRPP (3 Yrs Max Power) Noapara 40 MW QRPP (5 Yrs Khan Jahan Ali)	Gas HFO	78 40	441.30 194.57		35.85 41.11
28	Ashugonj 80 MW QRPP (3 Yrs Aggreco)	Gas	0	180.23		35.96
29	Ashugonj 53 MW Q. Rental PP (3 Years) (United Power)	Gas	53	183.03		36.31
30	Meghnagat 100 MW QRPP (5 Yrs) IEL	HFO	100	369.32		41.29
31	Shiddirgonj 100 MW QRPP (5Years) Dutch Bangla	HFO	100	464.82		41.29
32	Bogra RPP 3 Yrs (Energy Prima) Amnura 50 MW QRPP (5 Yrs, Sinha Power)	Gas HFO	10 50	63.20 224.37	72.15% 51.23%	34.25 41.79
34	Keranigonj 100 MW QRPP(5Yrs) (Power Pac)	HFO	100	332.01	37.90%	40.98
35	Julda 100MW QRPP (5Yrs, Acron infra)	HFO	100	605.93		43.22
36	Katakhali 50 MW QRPP	HFO	50	186.42		41.29
37	Power Import	Import	600	4655.92	83.05%	
	Sub-Total RENTAL & SIPP SIPP (REB)		2482	13632 1929		
	Total Private Sector (IPP+SIPP+Rental+Import+REB)		251 5858	30679.37		
	Public Sector Net Generation		7063	26597		
	Total Net Generation(Public+IPP Net+ Import)		12921	57275.97		

Energy Generation (National)

In GWh

						-		In GWh		
Year	Gross Energ	y Generation o	of Public Sector	Net Generation of	Total Private Generation	Total Generation	% Change Over the	Energy Trans East-West In	sfer through terconnector	
	East Zone	West Zone	System Total	Public Sector	Inclu. REB (Net)	(Net)	Preceding Year	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		
2000-01	13,717	1,183	14,450	13,674	3,771	17,445	7.32	2,249.16		
2001-02	11,371	1,163	12,881	12,159	6,299	18,458	5.80	2,249.16		
2002-03	11,303	2,039	13,342	12,139	7,718	20,302	9.99	2,170.40		
2003-04	11,910	2,039	14,067	13,223	8,185	21,408	5.45	2,133.33		
2004-03	13,177	2,137	15,417	14,456	8,522	22,978	7.33	2344.72		
2005-00	12,964	2,531	15,495	14,430	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		
2007-08	13,597	2,738	16,431	15,167	11,084	26,533	6.36	2548.99		
2008-09	14,735	2,329	17,064	16,072	13,175	29,247	10.23	3831.43		
2010-11	12,845	2,529	15,525	14,673	16,682	31,355		3574.00		
2010-11			16,074		19,917		7.21	4445.42		
2011-12	13,316 15,078	2,758 3,929	19,008	15,201 17,994	20,235	35,118 38,229	12.00 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	23,72	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		







Signing of contract between BPDB and consortium of CMC and SEC China for overhauling work of Barapukuria 2x125 MW coal based power plant

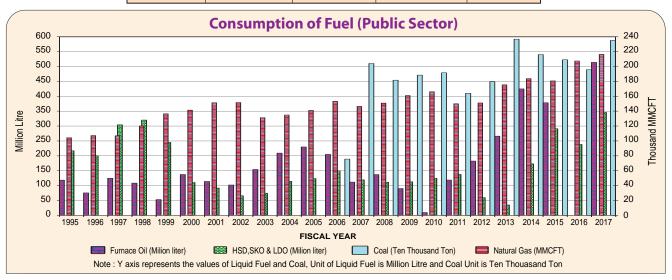
Per Capita Generation and Consumption (Grid)

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



Year wise Fuel Consumption of Public Sector Power Plants

Year	Natural Gas	Liquid Fuel	in Million liter	Coal (Ten
i cai	in MMCFT	Furnace oil	HSD, SKO & LDO	Thousand Ton)
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



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	preceding real
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

Fuel Price

Unit price with effect from																					
SL. No.	Luel lype	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	01.06.17
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
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
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	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







CIRCLE WISE SUB-STATIONS CAPACITY (MVA)

(As of June 2017)

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	Comilla	1040		
02	Kaliakoir	Dhaka (N)	520		
	Total	2 No's	1560		

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

c N	Circle	PGC	:В	BPDB//	APSCL
S.N.	Name	No. 's of Sub-station	Capacity (MVA)	No. 's of Sub-station	Capacity (MVA)
1	Bogra	2+1 (Switching)	900		
2	Chittagong	1	600		
3	Comilla	2	750	1	300
4	Dhaka (N)	3	1950	1	250
5	Dhaka (S)	5+1 (Switching)	3225		
6	HVDC	2	900	1	600
7	Khulna	2	1050		
	Total	19	9675	3	1150
	Grand Tot	tal (MVA)	22 1	10825 MVA	

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

	Circle	PG	іСВ	BPDB	/APSCL	DPDC, DESCO & Others		
S.N.	Name	No.'s of S/S	Capacity (MVA)	No.'s of S/S	Capacity (MVA)	No.'s of S/S	Capacity (MVA)	
1	Bogra	17	2671.6	-	-	-	-	
2	Chittagong	11	1620	2	136.6	5	265	
3	Comilla	13	1851	1	82	-	-	
4	Dhaka (N)	18	3610	1	126	6	1275	
5	Dhaka (S)	10	1881.6			9	1138	
6	HVDC	9	1162.3	-	-	1	61	
7	Khulna	13	1358	1	60	-	-	
Total 91		14154.5	5 404.6		21	2739		
Grand Total (MVA)				117	No's	17298.1 MVA		



Synopsis of Transmission Lines

400 KV Transmission Lines

(As of June 2016)

SI.	Name of Lines	Length in Route	Length in Ckt.	No. of Ckt.	Contuctor		
No.	Name of Lines	Kilometers	Kilometers	NO. OI CKL.	Name	Size	
1	HVDC Bheramara-Baharampur	27.35	54.7	Double	Twin Finch	1113 MCM	
2	Aminbazar-Meghnaghat*	55	110	Double	Quad Egret	636 MCM	
3	Comilla(S)- Bangladesh Border**	28	56	Double	Twin Finch	1113 MCM	
4	Bibiyana-Kaliakoir	169.53	339.06	Double	Twin Finch	1113 MCM	
	Total	279.88	559.76				

230 KV Transmission Lines

SI.	Name of Lines	Length in Route	Length in Ckt.	No. of Ckt.	Cont	
No.		Kilometers	Kilometers		Name	Size
1	Ghorasal-Ishurdi	175	350	Double	Mallard	795 MCM
2	Tongi - Ghorasal	27	54	Double	Mallard	795 MCM
3	Ghorasal - Ashuganj	44	88	Double	Mallard	795 MCM
4	Raojan - Hathazari	22.5	45	Double	Twin 300 sq.mm	
5	Ashuganj - Comilla North	79	158	Double	Finch	1113 MCM
6	Ghorasal - 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	Comilla North - Hathazari	151	302	Double	Finch	1113 MCM
11	AES, Haripur - Haripur	2.4	4.8	Double	Finch	1113 MCM
12	Comilla 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-Ishurdi	10.1	20.2	Double	Twin AAAC	37/4.176 mm.
19	Bogra-Barapukuria	106	212	Double	Twin AAAC	37/4.176 mm.
20	Sirajganj-Bogra	72.5	145	Double	Twin AAAC	37/4.176 mm.
21	Ishurdi-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-Comilla(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-Barisal	62.5	125	Double	Twin Mallard	2x795 MCM
29	LILO of Comilla(N)-Hathazari line at BSRM	0.18	0.72	Double	Finch	1113 MCM
30	LILO of Comilla(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	
	Total	1627.67	3325		·	

132 KV Transmission Lines

SI.	Name of Lines	Length in Route	Length in Ckt.	No. of Ckt.	Cont	uctor				
No.	Name of Lines	Kilometers	Kilometers	NO. OI CKL.	Name	Size				
1	Shahjibazar-Brahmanbaria	57	114	Double	Grosbeak	636 MCM				
2	Brahmanbaria-Ashuganj	16.5	33	Double	Grosbeak	636 MCM				
3	Ashuganj-Ghorasal	45.32	90.64	Double	Grosbeak	636 MCM				
4	Ghorasal-Narsingdi	13.35	13.35	Single	Grosbeak	636 MCM				
5	Narsingdi-Haripur	34.33	34.33	Single	Grosbeak	636 MCM				
6	Ghorasal-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-Srimangal	36.2	72.4	Double	Grosbeak	636 MCM				
10	Srimangal-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	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-Comilla (N)	66	132	Double	Grosbeak	636 MCM				

^{*} Presently Operated at 230kV ** Presently Operated at 132kV



SI.	Name of Lines	Length in Route	Length in Ckt.	No. of Ckt.	Cont	uctor
No.		Kilometers	Kilometers	NO. OI CKL.	Name	Size
17	Comilla (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	Comilla (N)-Chandpur	77.5	77.5	Single	Linnet + Grosbeak	(336.4 + 636) MCM
23	Comilla (N)-Comilla (S)	16	16	Single	Grosbeak	636 MCM
24	Comilla (S)-Chandpur	62	62	Single	Linnet	336.4 mCM
25	Ashuganj-Kishoreganj	52	104	Double	Grosbeak	636 MCM
26	Kishoreganj-Mymensingh	59	118	Double	Grosbeak	636 MCM
27	Mymensingh-Jamalpur	55	110	Double	Grosbeak	636 MCM
28	Madunaghat-Sikalbaha	16.5	16.5	Single	Grosbeak	636 MCM
29	Madunaghat-TKC	8.5	8.5	Single	Grosbeak	636 MCM
30	TKC-Sikalbaha	8.5	8.5	Single	Grosbeak	636 MCM
31	Sikalbaha-Dohazari	32	64	Double	Grosbeak	636 MCM
32	Sikalbaha-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-Kustia	43	86	Double	AAAC	804 MCM
52	Kustia-Bheramana	23	46	Double	AAAC	804 MCM
53	Bheramara-Ishwardi	10	20	Double	AAAC	804 MCM
54	Ishwardi-Natore	42	84	Double	AAAC	804 MCM
55	Natore-Bogra	61	122	Double	AAAC	804 MCM
56	Bogra-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	Barisal-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	Barisal-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 Double	HAWK	477 MCM
68	Madaripur-Barisal	59	118		HAWK	477 MCM
69	Rajshahi-Natore	37	37	Single	HAWK HAWK	477 MCM
70	Ishwardi-Baghabari	63	63 5	Single		477 MCM
71	Baghabari-Shahjadpur			Single	HAWK	477 MCM
72	Ishwardi-Pabna	18	18	Single	Grosbeak	636 MCM
73	Pabna-Shahjadpur	41	41	Single	Grosbeak	636 MCM
74	Bogra-Sirajganj Sirajganj-Shahjadpur	66	132 34	Double	Grosbeak	636 MCM
75		39.7	39.7	Single	Grosbeak Grosbeak	636 MCM
76	Sirajganj-Baghabari Rajshahi-Chapai Nawabganj	48	96	Single Double	Grosbeak	636 MCM
77 78	Rangpur-Lalmonirhat	38	38	Single	Grosbeak	636 MCM 636 MCM
79	Bogra-Naogaon	44	88	Double	Grosbeak	636 MCM
$\overline{}$	Kabirpur-Tangail	51	102	Double	Grosbeak	636 MCM
80	Tongi-Mirpur	17	102		Grosbeak	636 MCM
81	Tongi-Uttara	14.5	14.5	Single Single	Grosbeak	636 MCM
82		8.5				
83	Uttara-Mirpur		8.5	Single	Grosbeak	636 MCM
84	Mirpur-Aminbazar	7 4	14 8	Double	Grosbeak	636 MCM
85	Aminbazar-Kallayanpur			Double	Grosbeak	636 MCM
86	Hasnabad-Lalbagh	30	30	Single	Grosbeak	636 MCM
87	Kamrangirchar-Lalbagh	2.6	2.6	Single	Grosbeak	636 MCM



SI. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.		uctor
88	Kallayanpur-Kamrangirchar	11	11	Single	Name Grosbeak	Size 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-Sitalakhya	12.6	12.6	Single	Grosbeak	636 MCM
93	Madanganj-Sitalakhya	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 4	64	Double	Grosbeak	636 MCM
107	Ullon-Rampura		8	Double	Grosbeak Grosbeak	636 MCM
108	Rampura-Bashundhara Bashundhara-Tongi	8 11	16 22	Double Double	Grosbeak	636 MCM 636 MCM
110	Rampura-Moghbazar	4.5	9	Double	Grosbeak	
111	Ghorasal-Joydevpur	28	56	Double	Grosbeak	636 MCM 636 MCM
112	, ·	5.5	5.5	Single	Grosbeak	636 MCM
113	Baghabari-Shahjadpur Chandpur-Chowmuhani	5.5 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-Gopalgani	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	Sikalbaha-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	Sikalbaha-Shahmirpur	9	18	Double	Grosbeak	636 MCM
128	Khulshi-Halishahar (Open at Khulshi)	13	13	Single	Grosbeak	636 MCM
129	BograOld-BograNew	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
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	Comilla(N)- Comilla(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
	Total	3999.174	6550.948			
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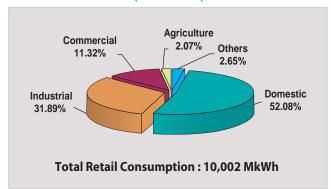
DISTRIBUTION TABLES AND CHARTS

Distribution Zone Wise Energy Import and Energy Sales Statistics of BPDB

Distribution		mported Wh)		yy Sold (Wh)	Distribution System loss (%)			
Zone's Name	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	% Change over previous year	
Mymenshing	1738.90	1876.76	1496.09	1629.76	13.96	13.16	-5.73	
Chittagong	3844.24	3970.65	3437.21	3588.70	10.59	9.62	-9.16	
Comilla	1314.82	1383.73	1147.08	1229.16	12.76	11.17	-12.46	
Sylhet	879.41	912.43	763.44	806.42	13.19	11.62	-11.90	
Rangpur	1263.95	368.50	1084.14	312.70	14.23	-	-	
Rajshahi	1964.14	571.74	1739.48	495.87	11.44	-	-	
132KV/Others	1153.16	1940.22	1152.71	1939.79	5.16	5.38	4.26	
Total	12158.62	11024.03	10820.15	10002.40	11.01	9.27	-15.82	

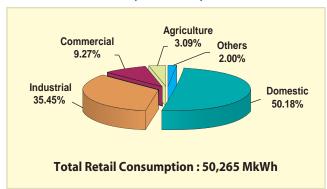
Consumption Pattern of BPDB

(FY 2016-17)



Consumption Pattern of the Country

(FY 2016-17)



Distribution Zone Wise Billing and Collection Statistics of BPDB

	Billed Amount (Million Tk)		Collected Amount (Million Tk)		Accounts Receivable (Million Tk)			Coll/Bill Ratio (%)		C/I Ratio (%)	
Distribution Zone's Name	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	% increase over the previous year	2015-16	2016-17	2015-16	2016-17
Mymenshing	8,719	9,597	7,839	8,748	4,253	5,041	18.53	89.90	91.16	77.35	79.16
Chittagong	22,908	24,001	22,692	24,187	4,037	3,900	-3.40	99.06	100.77	88.57	91.08
Comilla	7,159	7,757	6,956	7,610	1,619	1,802	11.33	97.17	98.11	84.77	87.15
Sylhet	4,994	5,273	4,734	5,101	1,766	1,864	5.55	94.18	96.74	82.28	85.5
Rangpur	6,591	1,935	6,169	1,628	2,526	-	-	93.61	-	80.29	-
Rajshahi	10,598	2,983	10,354	2,824	2,667	-	-	97.69	-	86.52	-
Others	8,410	14,245	7,788	15,119	1,828	1,391	-23.92	92.60	106.14	-	-
Total	69,379	65,791	66,531	65,217	18,696	13,999	* -25.13	94.54	99.13	83.55	89.94

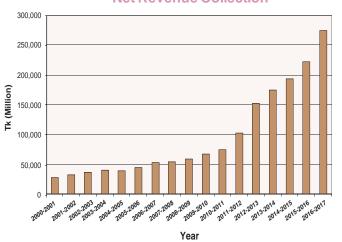
^{*} Due to Rajshahi & Rangpur Zone handed over to NESCO.



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
2016-17	274,355	23.37

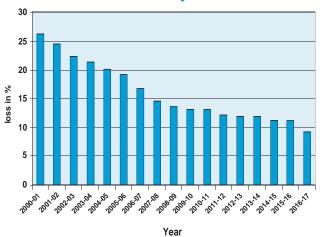
Net Revenue Collection



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

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
	Α	В	C	E	F+H	l1	G	12	13	14	D+J		Year
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	2,526,682	-26.92☆

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,

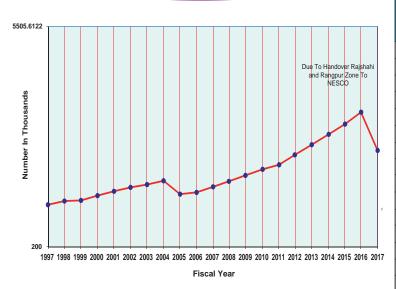
I = REB/PBS,

J = Street light and water pump

[★]Due to Rajshahi & Rangpur Zone handed over to NESCO.

ATT SHIPT AT

Consumer Growth





Electrification of Thana Villages and Pumps

villages and Pullips										
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	1,371	12,331						
1990-91	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						

^{*} Excluding DPDC, DESCO, WZPDCO, REB & NESCO.

Total Electrified Areas & Consumer Numbers of BPDB

(As of June 2017)

SI. No.	Name of Divi./ESU	Thana/ Upazila	Ward	Village	Hat / Bazar	Deeo, Shallow & Low Fit Pump	Total Consumers
	Southern Zone, Chittagong						
	O & M Circle, Chatta-Metro (East)						
1	S&D Patharghata	2	3	0	3	2	49311
2	S&D Stadium	2	5	0	0	0	32493
3	S&D Sholoshahar	3	4	0	6	0	57737
4	S&D Kalurghat	4	6	0	4	0	53606
5	S&D Bakalia	5	5	0	10	9	66811
6	S&D Madarbari	2	3	0	0	0	30236
	O & M Circle, Chatta-Metro (West)						
7	S&D Agrabad	3	5	0	0	0	44340
9	S&D Halishahar	3	8	0	0	0	40815
8	S&D Khulshi	2	3	0	4	0	37643
10	S&D Pahartali	2	6	0	6	0	62660
12	S&D Rampur S&D Newmooring	3	3	0	5	0	45418 34679
12		3			, ,	U	34079
	O & M Circle, Chatta-Metro (North)						
13	DD Fouzderhat	1	9	20	14	0	22103
14	S&D Hathazari	1	38	52	15	13	39123
15 16	S&D Barabkunda S&D Mohora	2	26 11	40 18	17 5	23 18	23940 28107
10			11	10	, ,	10	28107
	O & M Circle, Chatta-Metro (South)	1					
17	Dist. Divn. Patiya	6	65	192	52	200	59831
18	Dist. Divn. Cox's Bazar	8	176	409	57	477	73310
	O & M Circle, Rangamati						
19	Dist. Divn. Rangamati	8	99	240	24	23	38751
20	Dist. Divn. Khagrachari	12	164	367	59	148	49506
21	Bandarban	4	40	145	16	12	12735
	Sub Total	78	681	1483	299	914	903155
	Comilla Zone						
	O & M Circle, Comilla						
1	S&D-1, Comilla	3	20	97	22	135	56177
2	Burichang E/S	1	20	4	8	20	11329
3	S&D-2 Comilla	2	4	120	30	210	46663
4	Chauddagram E/S	1	9	71	5	216	12602
5	S & D-3. Comilla	1	10	72	6	137	32429
6	S & D, Daulatganj	1	5	20	5	525	22761
7	S & D Chandpur	1	15	25	11	13	46173
8	B-Baria	3	6	77	16	679	65076
9	S & D, Ashuganj	1	3	11	5	74	19050
10	S & D, Sarail	1	3	17	6	426	23055
	O & M Circle, Noakhali						
11	Maijdi (Noakhali)	3	14	37	24	21	50063
12	S & D, Chaumuhini	1	12	9	8	1	27906
13	S&D-Feni	2	18	10	3	115	52170
14	Bashurhat E/S						15387
	S&D-Laxmipur	1	12	12	1	110	25369
15	•						
15 16	Hatiya E/S Sub Total	1 23	6 139	20 602	15 165	0 2682	2058 508268





Sl. No.	Name of Divi./ESU		Total Electrified Area					
SI. No.	Name of Divi./E30	Thana/ Upazila	Ward	Village	Hat / Bazar	Deeo, Shallow & Low Fit Pump	Total Consumers	
	Central Zone, Mymenshing							
	O & M Circle, Mymensingh							
1	S & D -1 (N)	3	43	90	50	1250	64635	
2	S & D -2 (S)	2	70	98	30	1301	60994	
3	S & D -3	3	20	45	42	3075	40041	
4	S & D Fulpur	3	30	55	40	1679	34656	
5	S & D Trisal	1	32	80	28	464	22736	
6	S & D Goffargoan	1	15	70	42	1107	37550	
7	Netrokona E/S	1	9	20	8	1491	31665	
8	Dist.Div.Kishorgonj	1	20	60	15	204	41292	
9	S & D Bajitpur	1	10	60	17	266	13868	
10	Bhairab E/S	2	30	60	26	669	53582	
11	Sist. Div. Sherpur	5	30	110	82	3382	61581	
12	S&D,Valuka	1	23	72	29	932	19603	
	O & M Circle, Tangail	1		•				
13	S & D, Jamalpur	1	12	37	9	744	42008	
14	Sharishabari E/S	2	12	39	7	513	14759	
15	S & D, Ghatail	2	28	39	38	785	27026	
16	S & D, Shakhipur	7	29	75	55	1225	45107	
17	S & D, Bhuapur	4	20	25	25	1585	28874	
18	S & D, Kalithati	2	25	33	33	692	27856	
19	S & D-1, Tangail	1	15	68	16	685	37266	
20	S & D-2,Tangail	3	17	52	57	1125	40511	
21	S & D-3,Tangail	1	7	48	10	1065	28500	
	Sub Total	47	497	1236	659	24239	774110	
	Sylhet Zone							
	O & M Circle, Sylhet							
1	S & D-1	1	15	4	15		56083	
2	S & D-2	1	10	55	31		70152	
3	S & D-3	1	4	12	44	15	30981	
4	S & D-4	2	4	17	17	9	32070	
5	S & D-Sunamgonj	3	9	6	14	10	19280	
6	S & D-Chatak	4	9	48	40	55	22885	
7	Derai E/S	2	10	42	34	17	9159	
	O & M Circle, Moulavibazar		10	72	37	17	2132	
8	Dist. Div. Moulavibazar	1	7	14	9	I	21206	
9	S & D-Hobigonj	2	9	25	11	49	21200	
10	S & D-Kulaura	4	9	80	18	72	29642	
11	Jogonnathpur E/S	1	9	84	18	16	13694	
12	Jaintapur E/S	3	38	70	15	12	11286	
12	Sub Total	25	133	457	266	183	339299	
	Total	173	1450	3778	1389	28018	2524832	



Synopsis of Distribution lines of BPDB (As of June 2017)

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, Chittagon	α	Length (Kill)	Length (km)	Length (kill)
	9			
O & M Circle, Chatta-Metro (East) S & D Pathargahta	Dathaushata	10	20	F.C.
S & D Stadium	Patharghata Stadium	19 29	38 78	56 99
S & D Sholoshar	Sholoshahar	60	75	115
	Kalurghat	22	50	75
S & D Kalurghat	Muradpur	11	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	95	125
3 & D Agrabau	Halishahar	18	36	62
S & D Halisahar	Patenga	10	43	66
	Khulshi	9	24	19
S & D Khulshi	Jalalabad	8	36	33
S & D Pahartali	Pahartali	20	125	172
S & D Rampur	Rampur	21	58	95
S & D Newmoring	Newmoring	18	51	102
O & M Circle, Chatta-Metro (North)				
	Fouzderhat	8	67	81
Dist. Divn. Fouzderhat	Baroulia	47	48	50
	Hathazari	2		
S & D Hathazari	Fateyabad	6	115	151
S & D Barabkunda	Barabkunda	27	90	139
	Madughat	17	0	0
S & D Mohara	Mohara	10	180	220
O & M Circle, Chatta-Metro (South)				
	Patiya	0	29	49
	Fishharbor	0	31	40
	Sikalbhaha	77	28	41
Dist. Divn. Potiya	Julda	20	16	24
•	Sahmirpur	5	0	0
	Dohazari	41	25	68
	Satkania	0	24	59
	Zilonza	55	140	160
	Kolatoli	10	20	35
Dist. Divn. Cox's Bazar	Aziznagar	44	23	10
	Lama	22	84	32
	Chakaria	65	26	53
O & M Circle, Rangamati				
	Vedvedi (Rangamati)	167	45	135
	Majerbosti	6	80	143
	Kawakhali	14	10	18
Diet Dien Bangaresti	Ghagra	0	90	55
Dist. Divn. Rangamati	Kaptai	16	45	48
	Kaptai (132/11)	2	45	65
	Banglahalia	17	16	25
	Marisha	23	20	40
	Jalipara	50	90	115
	Manikchari	25	40	65
	Ramgarh	65	45	71
Diet Dive Khaassalaas!	Khagrachari	120	65	206
Dist. Divn. Khagraharii	Panchari	30	46	95
	Dighinala	35	150	220
	Mohalchari	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 Feede Length (km)
	Y-junction	21	20	15
Dist. Divn Bandarban	Bolipara	35	15	9
	Bandarban	75	142	65
	Kasingghata	2	183	72
Sub Total		1510	3084	4158
Comilla Zone				
O & M Circle, Comilla				
-	Kotbari	57	40	91
S & D- 1, Comilla	Kaliajuri	10	133	243
Burichang E/S	Palpara	8	45	105
S & D- 2, Comilla	Balutupa	32	107	228
Chouddagram E/S	Chouddagram	33	32	11
S & D- 3, Comilla	Jangalia	0	37	135
S & D , Daulatganj	Daulatgonj	35	38	150
	Balur Math	2	32	100
S & D, Chandpur	Puran Bazar	0	30	82
	Datiara	8	96	123
B. Baria E/S	Ghatura	25	100	68
S & D, Ashuganj	Kalabagan	0	30	32
, , , , ,	Shahbazpur	6	40	-
S & D, Sarail	Kuttapara	12	15	85
O & M Circle, Noakhali	торые			
Ma:::daa F/C	Maijdee	10	15	35
Maijidee E/S	Datterhat	20	74	165
Chowmuhani E/S	Chamuhani	0	81	189
Hatya E/S	Hatya	0	60	30
S & D, Laxmipur	Laxmipur	75	59	350
COD Family	Mohipal	81	35	200
S&D.Feni	Sultanpur	10	40	200
Bosurhat E/S	Dagonbuyan	13	25	70
Sub Total		437	1164	2492
Central Zone, Mymensir	ngh			
O & M Circle, Mymensingh				
COD 1 (Nowth)	Akua	27	92	145
S & D- 1 (North)	Batircal	6	75	90
	Shambugonj	14	50	85
S & D- 3	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
2 (30dti)	Akua BiPas	5	92	145
S & D Trisal	Trisal	35	120	98
S & D Goffargoan	Maijbari	12	60	70
	Goffargoan	54	110	180
S & D Netrokona			7.5	135
	Satpai Netrokona	7	75	
S & D Rhairah	Satpai Netrokona Bhairab	7 20	55	97
S & D Bhairab				97 70
S & D Bhairab	Bhairab Kuliachor Sherpur	20	55	
S & D Bhairab	Bhairab Kuliachor	20 20	55 40	70
S & D Bhairab S & D Sherpur	Bhairab Kuliachor Sherpur	20 20 40	55 40 95	70 180
	Bhairab Kuliachor Sherpur Nakla	20 20 40 13	55 40 95 35	70 180 75
	Bhairab Kuliachor Sherpur Nakla Nalitabari	20 20 40 13	55 40 95 35 37	70 180 75 65
S & D Sherpur	Bhairab Kuliachor Sherpur Nakla Nalitabari Jinaighat	20 20 40 13 17	55 40 95 35 37 32	70 180 75 65 70
	Bhairab Kuliachor Sherpur Nakla Nalitabari Jinaighat Sribordi	20 20 40 13 17 17	55 40 95 35 37 32 30	70 180 75 65 70
S & D Sherpur	Bhairab Kuliachor Sherpur Nakla Nalitabari Jinaighat Sribordi Josodal	20 20 40 13 17 17 18	55 40 95 35 37 32 30 115	70 180 75 65 70 75 90



Name of the Divn./ESU	Name of Sub-station	33 KV Feeder Length (km)	11 KV Feeder Length (km)	0.4 KV Feede Length (km)
O & M Circle, Tangail				
	Bojrapur			
Jamalpur E/S	Shahpur	133	220	350
	Shekhervita			
Sharishabari E/S	Sharishabari	26	103	88
Ghatail E/S	Ghatail	38	130	368
	Kutubpur	24	55	45
S & D Shakipur	Nalua	20	140	230
	Shakipur	25	410	620
S & D Bhuapur	Bhuapur	26	155	340
S & D Kalihati	Kalihati	32	95	410
S & D -1 Tangail	Betka	8	170	362
S & D -2 Tangail	Kachuadanga	22	217	560
S & D -3 Tangail	Elenga	10	85	140
Sub Total		829	3604	6078
C 2. D. 1	Ambarkhana	7	105	310
O & M Circle, Sylhet				
S & D -1	Ambarkhana	7	105	310
3&D-1	Shekhghat	4	40	125
	Upshahar	22	137	222
60.00	Botessor	28	86	260
S & D -2	MC Collage	10	28	58
	Ring Feeder	22	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				
Jaintapur E/S	Jaintapur	30	68	215
Jogonnathpur E/S	Jogonnathpur	45	110	258
-	Bajbari	25	128	220
Dist. Div. Moulvibazar	Shamostafa	45	84	160
S & D Hobigonj	Hobigonj	29	62	325
C 0 D Kulaura	Juri	-	-	-
S & D Kulaura	14.1	141	128	600
	Kulaura	141	120	688
Sub Total	Kulaura	629	1584	4251



Signing of contract between BPDB and Hexing Electrical Co. Ltd. China for installation of Pre-paid Meter in Chittagong, Mymensingh and Comilla Zone



33/11 KV Sub-stations of BPDB

(As of June 2017)

No.	Name of the Division	Name of the 33/11KV Sub-Station	Capacity (MVA)	Maximum Demand (MW)
	SOUTHERN ZONE, CHITTAGONG			
	O & M Circle, Chatta-Metro (East)			
1	S & D Patharghata	Patharghata	2x16/20	35
2	S & D Stadium	Stadium	3x16/20	50
3	S & D Sholoshar	Sholoshar	1x16/20	40
	3 d D Sholoshul	Sholoshul	2x16	10
,	C 0 D Kalumahat	Kalurghat —	1x16/20	35
4	S & D Kalurghat	Muradpur	1x16 2x16/20	34
5	S & D Bakalia	Bakalia	2x16/20	35
6	S & D Madarbari	Madarbari	2x16/20	29
	O & M Circle, Chatta-Metro (West)			
$\overline{}$	o a m chec, chatta metro (west)		2x16/20	
7	S & D Agrabad	Agrabad	1x20/26.66	50
	6.0.011.11	Halisahar	2x16/20	24
8	S & D Halisahar	Patenga	2x16/20	15
	S & D Khulshi	Khulshi	2x16/20	30
9	5 & D Khuishi	Jalalabad	2x16/20	32
10	S & D Pahartali	Pahartali	1x20/26.66	39
			2x16/20	
11	S & D Newmooring S & D Rampur	Newmooring Rampur	2x16/20 2x16/20	28 35
12	·	каптриг	2X10/20) 33
	O & M Circle, Chatta-Metro (North)			
13	Dis. Div. Fouzderhat	Baroulia	2 x 16/20	25
		Fouzderhat	2 x 16/20 1 x 16/20	30
14	S & D, Hathazari	Hathazari	1 x 10/13.33	12
		Fateybad	2 x 10/13.33	9
15	S & D Barabkunda	Barabkunda Mohara	2 x 16/20 2 x 16/20	24
16	S & D Mohara	Rangunia Sub Station	1 x 5	3
	O & M Circle, Chatta-Metro (South)		17.5	
$\overline{}$		Patiya	2x10/12	9
		Fishharbor	2x10/12 2x10	15
		Julda	2x16/20	7
17	Dist. Divn. Patiya	Shikalbaha	1x16/20	10
		Dohazari	1x16/20	6
\longrightarrow		Satkania	2x5/6.67	4.5
		Zilonza Chakaria	2x16/20	32
18	Dist. Divn. Cox's Bazar	Aziznagar	1x10/13 1x5/6.5	8.5
-		Kolatoli	2x10/13.33	14
		Lama	1x5/6.5	2.8
	O & M Circle, Rangamati	·		•
$\overline{}$		Kawkhali	1x5/6.67	1.5
		Bangalhalia	1x5/6.68	1.5
		Marisha	1x5/6.69	1.5
		Vedvedi (Rangamati)	2x5/6.67	4.5
19	Dist. Divn. Rangamati	Majerbosti	1x10	5.5
		Kaptai	2x3	1.3
		Ghagra Kaptai (132/11)	1x6.65 1x20	2.5 6.5
		Chandraghona (33/11)	0.5	0.5



SI. No.	Name of the Division	Name of the 33/11KV Sub-Station	Capacity (MVA)	Maximum Demand (MW)
		Khagrachari	2x5/6.67	8
		Panchari	1x5/6.67	3
		Dighinala	3x1.667	5
20	Dist. Divn. Khagrachari	Digililala	1x5/6.67	
	-	Mohalchari	1x5	2.50
		Jalipara	3x1.667	3.50
		Manikchari	1x5/6.67	2.50
		Ramghar	3x1.667	3.00
		Adjacent to Office	2x5/6.67	6
21	Dist. Divn. Bandarban	Kasing Ghata	3X1.667	3.5
		Y-Junction	1x5/6.67	1
		Bolipara	3X1.667	1
	Sub Total	53	1055/1336	813
	COMILLA ZONE			
	O & M Circle, Comilla			
		Kotbari	3x10/13.33	22
22	S & D-1, Comilla		2x10/13.33	22
	,	Kaliajori	1x16/20	22
23	Burichang E/S	Palpara	1x5	2
24	S & D-2, Comilla	Balutupa	3x10/13.33	20
25			1x5	6
25	Chouddagram E/S	Chouddagram –	1x3	
26	C 0 D 2 Comilla	langalia	2x10/13.33	20
26	S & D-3, Comilla	Jangalia –	1x16/20	20
			1x10/13.33	
27	S & D Daulatgonj	Daulatgonj	1x16/20	15
	3 ,	, ,	1x5	
		Balur Math	2x10/13.33	16
28	S & D, Chandpur	Davis Davis	1x5	10
	•	Puran Bazar	1x10/13.33	10
		Datiara	1x10/13.33	25
29	B.Baria E/S	Datiala	1x16/20	
		Ghatura	2x10/13.33	20
30	S & D Ashugonj	Kalabagan	2x10/13.33	20
31	S & D Sarail	Shabazpur	2x5	6
	3 Q D Surdii	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
2.4	Maiidaa E/S	Maijdee	2x10/13.33	17
34	Maijdee E/S	Datterhat	1x10/13.33	18
35	S&D Chamuhani	Chamuhani	3x10/13.33	20
36	S & D, Laxmipur	Laxmipur	2x10/13.33	10
	Sub Total	21	467/606	322
	CENTRAL ZONE, MYMENSINGH			
	O & M Circle, Mymenshingh			
27	C 0 D 1 (Nowth)	Akua	2x10/13.33	16
37	S & D -1 (North)	Batircal	2x10/13.33	14
30	COD Edward	Fulpur	2X10/13.33	14
38	S & D -Fulpur	Haluaghat	2X5/6.67	6
				-



SI. No.	Name of the Division	Name of the 33/11KV Sub-Station	Capacity (MVA)	Maximum Demand (MW)
		Shambuganj	2X10/13.33	16
39	S & D -3	Gauripur	2X10/13.33	8
		Isshorgonj	2X5/6.67	6
40	S & D -2 (South)	Kewatkhali	3x10/13.33	24
70		Akua Bypass	2x10/13.33	16
41	S & D Trisal	Trisal	2x10/13.33	11
42	S & D Bhaluka	Bhaluka	2x10/13.33	12
43	S & D Goffargoan	Maijbari	2x5/6.66	7
73		Goffargoan	2x10/13.33	15
44	S&D Netrokona	Satpai Netrokona	2x10/13.33	15
45	S&D Bhairab	Bhairab	4x10/13.33	26
73	300 bilaliab	Kuliachor	2x5/6.66	5
		Sherpur	1x16/20	28
		Silerpui	1x10/13.33	20
46	CSD Sharpur	Nalitabari	2X5/6.67	8
40	S&D Sherpur	Nakla	2X5/6.67	6
		Jinaigati	2 X 5/6.67	6
		Sribordi	2 X 5/6.67	6
47	Diet Diese Kiehereneni	Josodal	2x10/13.33	10
4/	Dist. Divn. Kishoregonj	Mollapara	2x10/13.33	13
48	S&D Bajitpur	Sararchar	2x10/13.34	10
	O & M Circle, Tangail			
49	S & D-1 Tangail	Batka	3x10/13.33	28
50	S & D-2 Tangail	Kachuadanga	2x10/13.33	19
51	S & D-3 Tangail	Elenga	2x10/13.33	10
52	S & D Bhuapur	Bhuapur	2x10/13.33	15
53	S & D Ghatail	Ghatail	3x10/13.33	25
54	S & D Khalihati	Kalihati	3x10/13.33	16
		Shakipur	2x10/13.33	14
55	S & D Shakipur	Kutubput	2x5/6.66	6
		Nalua	2x5/6.66	5
		Bojrapur	1x10/13.33	8
56	S & D Jamalpur	Shapur	2x10/13.33	10
	·	Shekhervita	2x10/13.33	14
57	S & D Sharishabari	Sharishabari	2x10/13.34	10
	Sub Total	37	696/926	478
	SYLHET ZONE O & M Circle, Sylhet			
53	S & D 1 Sylhet	Ambarkhana –	3x10/13.33 1x 20/26.66	26
		Shekhghat	2x10/13.33	15
		Upashahar	3x10/13.33	26
54	S & D 2 Sylhet	MC Collage	2x10/13.33	10
٠, ١	5 4 5 2 5 juice	Botessor	2x10/13.33	20
55	S & D 3	Boroikandi	5x10/13.33	21
55		Kumargaon-1	2x10/13.33	21
56	S & D 4			17
	C 0 D C	Kumargaon-2	1x10/13.33	42
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



SI. 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
(2)	D: . D: . M . L . I	Bajbari	2x10/13.33	8
62	Dist. Divn. Moulovibazar	Moulovibazar-2	2x10/13.33	10
63	S & D Hobigonj	Hobigonj	3x10/13.33	15
64	S & D, Kulaura	Juri	2x5	4
04	3 & D, Kuldura	Kulaura	2x10/13.33	14
	Sub Total	19	405/521.55	237
	Total	130	2623/3390	1850



Workshop on "Mitigating Challenges in Energy and Power through Research" chaired by State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid MP



Signing of contract between BPDB and CEC-Fortune JV China for installation of 33/11 kV Sub-station under Chittagong Zone Power Distribution System Development Project



Distribution Sub-stations of BPDB

(As of June 2017)

	Distribution Transformer												
Name of					11/0	.4 KV							
ESU/Division	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)			
Sothern Zone,	Chittago	ng											
O & M Circle, Chatta	a-Metro (E	ast)											
S & D Patharghata	0	0	1	0	213	65	19	0	0	68.465			
S & D Stadium	0	0	2	0	144	48	19	0	0	48.13			
S & D Sholoshar	0	0	0	0	189	77	22	0	0	64.85			
S & D Kalurghat	0	0	0	0	187	54	8	0	0	58.35			
S & D Bakalia	0	0	0	0	138	46	24	0	0	46.1			
S & Madarbari	0	1	0	0	122	47	8	0	0	41.2			
O & M Circle, Chatta	a-Metro (W	/est)	1	ı	1				1				
S & D Agrabad	0	0	0	0	215	90	9	0	0	72.65			
S & D Halisahar	0	0	0	0	152	43	28	0	0	49.4			
S & D Khulshi	0	0	0	0	125	32	23	0	4	39.99			
S & D Pahartali	0	0	0	0	217	51	21	0	0	66.55			
S & D Rampur	0	0	0	0	156	24	14	0	0	45.2			
S&D Newmooring	0	0	0	0	141	37	4	0	3	43.08			
O & M Circle, Chatta	a-Metro (N	orth)											
DD- Fouzderhat	0	0	0	0	82	68	41	5	124	39.69			
S & D, Hathazari	0	0	0	1	121	84	25	1	0	49.9			
S & D, Barabkunda	0	0	0	0	57	34	33	1	4	24.44			
S & D Mohara	0	0	0	0	63	51	26	0	50	29.05			
O & M Circle, Chatta	a-Metro (S	outh)											
Dist. Divn. Patiya	0	0	0	0	158	135	59	0	32	72.72			
Dist. Divn. Cox's Bazar	0	0	0	0	164	95	130	32	56	75.16			
O & M Circle, Ranga	amati												
Dist. Divn. Rangamati	0	0	1	0	10	93	157	78	95	41.965			
Dist. Divn. Khagrachari	1	1	2	0	18	50	215	50	62	41.25			
Dist. Divn. Bandarban	0	0	0	0	12	36	97	33	21	21.76			
Sub Total	1	2	6	1	2684	1260	982	200	451	1039.9			
Comilla Zone													
O & M Circle, Con	nilla												
S&D-1, Comilla	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, Comilla	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, Comilla	0	0	0	0	28	84	100	0	0	33.8			
S & D Daulatgonj	0	0	0	0	18	50	55	0	0	20			



				Distr	ibution	Transfo	ormer							
Name of	11/0.4 KV													
ESU/Division	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, No	akhali													
S&D-Mizdee	0	0	0	0	43	104	80	1	2	39.62				
S & D Choumo.	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,	Mymensi	ingh												
O & M Circle, My	mensingl	h												
S&D-1(N), PDB, Mymensingh	0	1	0	0	22	270	289	4	0	89.1				
S&D-2(S), PDB, Mymensingh	0	4	0	0	43	181	215	13	0	71.1				
S&D-3, PDB, Mymensingh	0	0	0	0	34	45	48	12	6	22.96				
S&D, Trisal	0	0	0	0	18	26	42	0	0	13.9				
S&D, Fulpur	0	0	0	0	28	38	45	2	8	19.28				
S&D, Goffargoan	0	0	0	0	25	83	112	0	0	34.05				
S&D, Netrokona	0	1	0	0	12	46	67	0	0	19.4				
Dist. Div Kishorganj	0	0	0	0	33	42	70	4	0	23.85				
S&D, Bajitpur	0	0	0	0	22	34	37	2	0	16.1				
S&D, Bhairab	0	0	0	0	14	74	89	0	0	27.2				
S&D, Sherpur	0	1	0	0	57	163	188	4	33	66.68				
S&D, Valuka	0	0	0	0	71	58	33	0	0	32.65				
O & M Circle, Tai	ngail													
S & D, Jamalpur	0	0	0	0	30	88	85	3	9	33.84				
S&D Sharishabari	0	0	0	0	10	35	15	0	5	11.05				
S & D Ghatail	0	0	0	0	80	73	28	2	0	37.5				
S & D Shakhipur	0	0	0	0	45	148	330	14	84	75.39				
S & D Bhuapur	0	0	0	0	30	60	75	2	0	27.1				
S & D Khalihati	0	0	0	0	55	130	166	5	0	56.6				
S & D-1 Tangail	0	0	0	0	65	66	50	1	0	34.5				
S & D-2 Tangail	0	0	0	0	57	95	60	0	0	39.25				
S & D-3 Tangail	0	0	0	0	25	32	25	0	0	15.15				
Sub-Total	0	7	0	0	776	1787	2069	68	145	766.65				



	Distribution Transformer													
Name of					11/0	.4 KV								
ESU/Division	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, Syl	het													
S & D 1	0	0	0	0	104	222	156	0	0	86				
S & D 2	0	0	0	0	164	313	288	0	7	132.47				
S & D 3	0	0	0	0	37	106	144	7	33	45.43				
S & D 4	0	0	0	0	44	72	68	1	7	32.32				
S & D Sunamganj	0	0	0	0	34	50	70	2	10	25.7				
S & D Chatak	0	0	0	1	35	112	87	7	19	40.69				
Derai E/S	0	0	0	0	33	34	46	0	0	19.65				
O & M Circle, Mo	ulovibaza	ar												
Dist. Divi. Moulovibazar	0	0	0	0	32	41	48	0	0	21				
S & D Hobigonj	0	0	0	0	90	31	31	0	0	31.8				
S & D Kulaura	0	0	0	0	12	57	79	1	11	22.46				
Jogonnathpur E/S	0	0	0	0	34	62	121	7	52	33.87				
Jaintapur E/S	0	0	0	0	28	77	155	0	25	38.15				
Sub Total	0	0	0	1	647	1177	1293	25	164	529.64				
Total		17	6	2	4632	5458	5453	296	766	2829.35				



Parliamentary Standing Committee on Ministry of Power, Energy and Mineral Resources visiting 365 MW Ghorashal power plant under constructions

DISTRIBUTION SUMMARY

(As of June 2017)

SI. No.	Particulars	South Zone (Chittagong)	South Zone (Comilla)	Central Zone (Mymensingh)	Central Zone (Sylhet)	Total
1.	33/11 kV Sub-station Capacity (MVA)	1055/1336	467/606	696/926	405/522	2623/3390
2.	Distribution Lines (k.m)	8752	4093	10,511	6,463	29820
3.	Total no. of Consumers	9,03,155	5,08,268	7,74,110	3,39,299	2,52,4832
4.	Distribution System Loss (%)	9.62	11.17	13.16	11.62	9.27









SYNOPSIS OF CHITTAGONG P.C. POLE MANUFACTURING PLANT

Details	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
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
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
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
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
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
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
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
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
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
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
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
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
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

5. Specification of poles	Top Dia	Bottom Dia	Length	Wall Thickness	Av. Weight	Design Load	Pole
	(mm)	(mm)	(mm)	(mm)	(Kg)	(Kg)	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
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
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
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
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
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
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
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
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
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
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

5. Specification	n 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
1	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





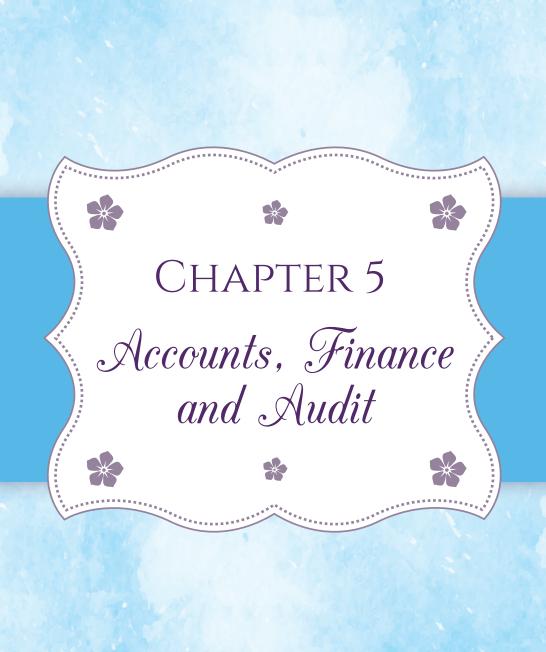
PPA signing of Kodda 149 MW power plant between BPDB and Summit Power



Signing of contract for implementation of 'Solar Street Lighting Programme in 8 City Corporation' Project



Signing of contract between BPDB and Valvitalia for installation of RMS at Bibiyana-3 Power Plant



L SHIP CO

ACCOUNTS, FINANCE AND AUDIT

Electricity (Power) plays a vital role in the economy of a developing country in many aspects. Day by 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 2016-2017, Generation cost of BPDB's own plant and Electricity purchase from other sources are shown in 'Table-A' compared to the preceding year.

Table-A

	FY 20	16-17	FY 20	15-16	Increase/	
Particulars	Amount (Crore Tk.)	Cost (Tk/kWh)	Amount (Crore Tk.)	Cost (Tk/kWh)	(Decrease)	
i. BPDB's Generation	6,185.29	4.85	5,626.09	4.40	9.94%	
ii. Purchase from IPP	8,733.87	5.36	7,565.18	5.11	15.45%	
iii. Purchase from Rental	6,001.41	7.36	6,452.01	6.91	(6.98)%	
iv. Purchase from Public Plant	5,340.11	3.96	3,993.83	4.22	33.71%	
v. Purchase from India	2,592.55	5.52	1,966.87	5.15	31.81%	
vi. Interest on budgetary support	1,128.83	0.20	994.65	0.20	13.49%	
vii. Provision for Maintenance and Development fund	1,364.07	0.25	1,270.50	0.25	7.36%	
Total	31,346.13	5.66	27,869.12	5.55	12.48%	
Energy Sales	27,325.41		24,375.95		12.10%	

It shows that BPDB's own generation cost, Energy purchase from IPP, Public plant & India have increased by 9.94%, 15.45%, 33.71%, 31.81% respectively and Energy purchase from Rental Plants decreased by 6.98% compared to FY 2015-2016. Chart-1 shows the comparative generation picture.

Cost of Electricity Generation and Purchase

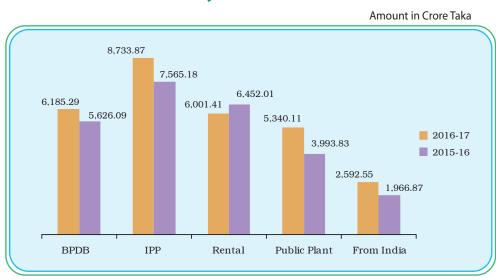


Chart-1



During the financial year 2016-2017 amount of sales to BPDB's own consumers, DPDC, DESCO, WZPDCL, NWZPDCL & REB along with the collected amount against sales are given bellow:

Table-B

	FY-2016-2017			FY-2015-2016	Increase/
Particulars Sales	Sales (Crore Tk.)	Collection (Crore Tk.)	(% of collection on sales)	(% of collection on sales)	(Decrease)
PDB's own consumer	6,569.15	6,448.15	98.16%	95.15%	3.01%
DPDC	4,999.63	5,362.87	107.27%	94.30%	12.97%
DESCO	2,913.78	2,889.85	99.18%	97.29%	1.89%
WZPDCL	1,403.03	1,384.94	98.71%	121.79%	(23.08)%
REB	10,143.65	9,907.78	97.67%	96.83%	0.84%
NWZPDCL	1,296.17	940.33	72.55%	-	-
Total	27,325.41	26,933.92	98.57%	96.99%	1.58%

During the financial year 2016-2017 sales to BPDB's own consumer, DPDC, DESCO, WZPDCL, REB and NWPDCL Taka 6569.15 Crore 4,999.63 Crore, 2,913.78 Crore, 1,403.03 Crore, 10,143.65 Crore and 1,296.17 Crore respectively against which amount collected was 6,448.15 Crore 5,362.87 Crore, 2,889.85 Crore, 1,384.94 Crore, 9,907.78 Crore and 940.33 Crore which is only 98.16%, 107.27%, 99.18%, 98.71%, 97.67% and 72.55% of billed amount respectively.

Comparative collection over sales

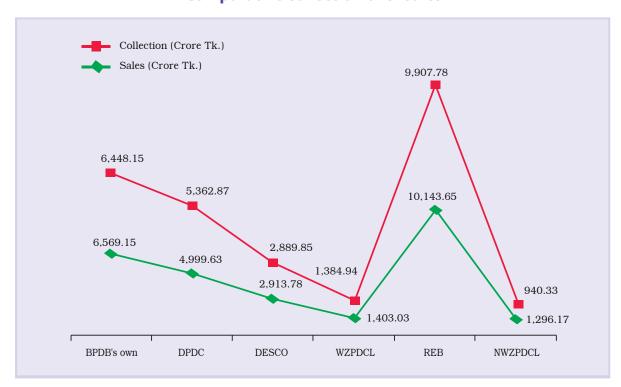


Chart-2



A comparison of the Operating income and operating expenses for FY 2016-2017 and FY 2015-2016 is shown below:

Table-C

Amount in Crore Taka

Head of Accounts	FY 2016-2017	FY 2015-2016	Amount increase/ (Decrease)	Percentage of increase/(Decrease)
Operating Revenue (1)	28,295.22	25,322.33	2,972.89	11.74%
Sale of Electricity	27,325.41	24,375.95	2,949.46	12.10%
Other Operating Revenue	969.81	946.38	23.43	2.48%
Operating Expenses (2)	29,873.09	26,682.93	3,190.16	11.96%
Fuel Cost	3,499.89	3,420.41	79.48	2.32%
Generation Expenses (Excluding fuel cost)	2,115.27	1,795.55	319.72	17.81%
Electricity purchase from IPP	8,733.87	7,565.18	1,168.69	15.45%
Electricity purchase from RENTAL	6,001.41	6,452.01	(450.60)	(6.98)%
Electricity purchase from Public Plant	5,340.11	3,993.83	1,346.28	33.71%
Electricity purchase from India	2,592.55	1,966.87	625.68	31.81%
Wheeling Charge to PGCB	255.20	271.84	(16.64)	(6.12)%
Distribution & Coml. Expenses	955.29	896.34	58.95	6.58%
General & Administrative Expenses	379.49	320.90	58.59	18.26%
Operating Profit/(Loss) = (1-2)	(1,577.87)	(1,360.60)	(217.27)	15.97%

Table-c shows that sale of electricity has increased by 12.10% and Other Operating Revenue has increased by 2.48% respectively over FY 2016-2017. The cost of fuel for generation and other generation expense has increased by 2.32% and increased 17.81% respectively over FY 2015-2016. The total operating expenses has increased by 11.96%.

Table-C also shows that each component of the operating expenses have increased except Electricity purchase from Rental plant and Wheeling Charge to PGCB which are decreased by 6.98% and 6.12% respectively. Operating Loss for the year 2016-2017 has increased by 15.97%.

COMPARATIVE STATEMENT OF BUDGET AND ACHIVEMENT FOR THE YEAR 2016-2017

Amount in Lac Taka

Particulars	Budget	Achievement	Performance Over Budget	Favorable (F)/ Adverse (A)
REVENUE				
ENERGY SALES	2,764,725	2,732,541	(32,184)	Α
OTHER OPERATING INCOME	47,500	96,981	49,481	F
TOTAL OPERATING REVENUE	2,812,225	2,829,522	17,297	F
OPERATING EXPENSES				
FUEL COST - GAS	70,488	88,451	(17,963)	Α
DIESEL/FURNACE OIL USED FOR ELECTRICITY GENERATION	179,104	200,314	(21,210)	Α
COAL USED FOR ELECTRICITY GENERATION	48,487	61,224	(12,737)	Α
ELECTRICITY PURCHASE FROM IPP	820,679	873,387	(52,708)	Α
ELECTRICITY PURCHASE FROM RENTAL	624,265	600,141	24,124	F
ELECTRICITY PURCHASE FROM INDIA	255,899	259,255	(3,356)	Α
ELECTRICITY PURCHASE FROM PUBLIC PLANT	664,757	534,011	130,746	F
DEPRECIATION	105,098	150,780	(45,682)	Α
REPAIR & MAINTENANCE EXPENSES	61,000	48,874	12,126	F
PERSONNEL EXPENSES	37,350	133,725	(96,375)	Α
Office & ADMINISTRATIVE EXPENSES	139,341	11,627	127,714	F
TRANSMISSION EXPENSES FOR WHEELING CHARGE	30,279	25,520	4,759	F
TOTAL OPERATING EXPENSES	3,036,747	2,987,309	49,439	F
OPERATING INCOME / (LOSS)	(224,523)	(157,787)	(32,142)	F
NON - OPERATING EXPENSES				
ASSETS INSURANCE FUND	150	150	-	F
INTEREST ON LOANS	149,739	146,396	3,343	F
PROVISION FOR MAINTANANCE & DEVELOPMENT FUND	138,581	136,407	2,174	F
GAIN / (LOSS) DUE TO EXCHANGE RATE FLUCTUATION	499	(2,748)	3,247	F
NET NON-OPERATING EXPENSES	288,969	285,702	3,267	F
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	(513,492)	(443,489)	(70,003)	F



From the comparative statement it is found that, the actual net loss for the FY 2016-2017 is Taka 443,489 lac against the revised budgeted net Loss of Taka 513,492 lac. Which is less than budget provision by Taka 70,003 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 3,930.74 Crore has transferred to assets in operation during the FY 2016-2017. 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

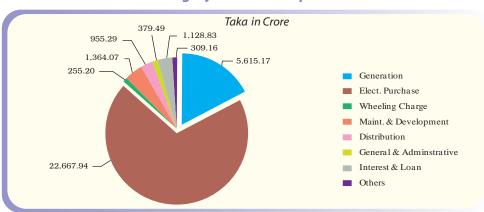


Chart-4

BPDB's Own Generation and Electricity Purchase

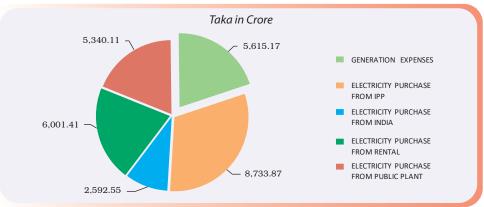


Chart-5

STATEMENT OF FINANCIAL POSITION

AS AT JUNE 30, 2017

Figures In Taka

PROPERTY AND ASSETS	AS ON 30-06-2017	AS ON 30-06-2016
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	513,135,187,508	468,096,193,005
LESS:ACCUMULATED DEPRECIATION	223,828,482,568	208,750,513,591
WRITTEN DOWN VALUE	289,306,704,940	259,345,679,414
PROJECT IN PROGRESS	102,325,486,398	60,804,785,088
INVESTMENT IN SHARES	21,569,009,228	20,862,113,478
TOTAL NON-CURRENT ASSETS	413,201,200,566	341,012,577,979
CURRENT ASSETS		
INVESTMENT	59,672,903,506	46,701,338,353
CASH IN HAND AND AT BANK	77,341,543,289	66,835,315,643
ACCOUNTS RECEIVABLE - TRADE	103,535,954,044	97,067,090,270
ACCOUNTS RECEIVABLE - OTHERS	24,360,687,431	15,204,688,709
PROVISION FOR BAD AND DOUBTFUL DEBTS	(1,236,107,585)	(1,236,107,585)
ADVANCE TO CONTRACTORS AND SUPPLIERS	6,795,086,188	7,036,202,311
ADVANCE TO EMPLOYEES	1,747,154,859	1,667,272,757
STOCK AND STORES	13,280,284,606	12,663,115,493
SECURITY DEPOSIT TO OTHER UTILITIES	666,197,442	119,154,459
INCOME TAX DEDUCTION AT SOURCE	3,602,052,620	2,858,945,444
TOTAL CURRENT ASSETS	289,765,756,400	248,917,015,853
TOTAL PROPERTY AND ASSETS	702,966,956,966	589,929,593,832

RAHMAN MOSTAFA ALAM AND CO.

Chartered Accountants



STATEMENT OF FINANCIAL POSITION

AS AT JUNE 30, 2017

Figures In Taka

CAPITAL AND LIABILITIES	AS ON 30-06-2017	AS ON 30-06-2016
AUTHORIZED CAPITAL	200,000,000,000	200,000,000,000
EQUITY & RESERVE		
PAID UP CAPITAL	172,864,157,079	163,627,550,900
RETAINED EARNINGS	(491,944,861,046)	(450,355,305,804)
APPRAISAL SURPLUS	117,057,871,482	117,057,871,482
GOVERNMENT EQUITY AGAINST DESCO'S SHARE	3,328,924,865	2,244,887,760
GRANTS	6,256,005,860	5,803,755,860
DEPOSIT WORK FUND	3,206,606,435	3,070,960,706
LIQUIDITY DAMAGE RESERVE	72,053,500	72,053,500
MAINTANANCE AND DEVELOPMENT FUND	61,438,185,459	46,395,327,096
ASSETS INSURANCE FUND	360,000,000	345,000,000
	(127,361,056,367)	(111,737,898,501)
NON-CURRENT LIABILITIES		
GOVERNMENT LOAN	68,524,269,981	66,026,547,979
BUDGETARY SUPPORT AS SUBSIDY FROM GOVT. (DIFFERENCE OF BUYING & SELLING RATE)	396,104,300,000	356,164,200,000
FOREIGN LOAN	106,254,542,120	53,117,903,527
TOTALIGIT LOTIN	570,883,112,101	475,308,651,506
DEPOSIT AND PROVISION FUND	F 100 031 037	4.742.226.402
SECURITY DEPOSIT (CONSUMERS)	5,199,031,937	4,743,236,482
GPF AND CPF GRATUITY AND PENSION FUND	7,142,711,280	6,207,674,120
GRATUITY AND PENSION FUND	13,298,234,795 25,639,978,012	12,266,119,259
	25,039,978,012	23,217,029,861
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	45,155,545,968	34,947,084,160
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	873,911,545	817,028,768
CURRENT PORTION OF LONG TERM LIABILITIES	7,394,172,942	4,474,339,658
DEBT SERVICING LIABILITIES (PRINCIPAL)	72,926,355,251	70,291,710,430
REIMBURSABLE PROJECT AID	1,024,287,460	1,024,287,460
DEBT SERVICING LIABILITIES (INTEREST)	60,722,748,884	57,054,354,364
INTEREST ON BUDGETARY SUPPORT FROM GOVT.(FUND)	44,817,892,760	33,529,595,714
OTHER LIABILITIES	1,142,710,738	890,538,199
	234,057,625,549	203,028,938,754
CLEARING ACCOUNTS	(252,702,328)	112,872,214
TOTAL EQUITY AND LIABILITIES	702,966,956,966	589,929,593,832

RAHMAN MOSTAFA ALAM AND CO.

Chartered Accountants

STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME

FOR THE YEAR ENDED JUNE 30, 2017

Figures In Taka

PARTICULARS	FY 2016-17	FY 2015-16
OPERATING REVENUE		
ENERGY SALES	273,254,074,094	243,759,467,959
OTHER OPERATING INCOME	9,698,102,540	9,463,837,317
	282,952,176,634	253,223,305,276
OPERATING EXPENSES		
GENERATION EXPENSES	56,151,656,245	52,159,575,296
ELECTRICITY PURCHASE FROM IPP	87,338,700,511	75,651,799,556
ELECTRICITY PURCHASE FROM INDIA	25,925,491,812	19,668,713,252
ELECTRICITY PURCHASE FROM RENTAL	60,014,101,426	64,520,102,192
ELECTRICITY PURCHASE FROM PUBLIC PLANT	53,401,117,521	39,938,266,211
TRANSMISSION EXPENSES FOR WHEELING CHARGE	2,551,961,312	2,718,433,370
DISTRIBUTION EXPENSES	9,552,946,879	8,963,415,560
GENERAL AND ADMINISTRATIVE EXPENSES	3,794,885,615	3,209,013,629
	298,730,861,319	266,829,319,065
OPERATING INCOME / (LOSS)	(15,778,684,685)	(13,606,013,789)
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	11,288,297,047	9,946,497,822
FINANCING AND OTHER CHARGES	3,351,450,235	2,409,899,121
NET INCOME/(LOSS)BEFORE EXCH. RATE FLUCTUATION	(30,418,431,967)	(25,962,410,732)
ASSETS INSURANCE FUND	15,000,000	15,000,000
PROVISION FOR MAINTANANCE AND DEVELOPMENT FUND	13,640,707,389	12,704,966,351
GAIN/(LOSS) DUE TO EXCHANGE RATE FLUCTUATION	(274,847,289)	(55,126,490)
COMPREHENSIVE NET INCOME / (LOSS) FOR YEAR	(44,348,986,644)	(38,737,503,572)
RETAINED EARNINGS		
BALANCE AS AT JULY 01,2016	(450,355,305,804)	(416,481,863,930)
PREVIOUS YEAR'S ADJUSTMENT	2,759,431,402	4,864,061,698
COMPREHENSIVE NET INCOME / (LOSS) FOR THE YEAR	(44,348,986,644)	(38,737,503,572)
BALANCE AS AT JUNE 30. 2017	(491,944,861,046)	(450,355,305,804)

RAHMAN MOSTAFA ALAM AND CO.

Chartered Accountants



STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED JUNE 30, 2017

SL. No.	DESCRIPTION	AMOUNT	AMOUNT	AMOUNT
	CASH FLOW FROM OPERATING ACTIVITIES			
Α	Total Receipts from BPDB Customer, REB and Others			
	Operating Revenue-Note-40 & 41	282,952,176,634		
	Accounts Receivable-Trade-Opening-Note-9	97,067,090,270		
	Accounts Receivable-Trade-Closing-Note-9	(103,535,954,044)		
	Accounts Receivable-Others -Opening-Note-10 (Except 142A, 142B & 142C)	10,963,667,916		
	Accounts Receivable-Others -Closing-Note-10 (Except 142A, 142B & 142C)	(21,735,858,835)		
	Provision for Bad Debt-Opening-Note-12	(1,236,107,585)		
	Provision for Bad Debt-Closing-Note-12	1,236,107,585		
			265,711,121,941	
В	Less Total Payment for Operating Expenses and Others			
	Operating Expenses net of Depreciation*01	280,751,331,030		
	Previous Year's Adjustments-Note-54	(2,759,431,402)		
	Interest Charges- Sh-52 (Code-675 and Interest of Foreign Loan paid in cash)	466,988,482		
	Liquidity Reserve-Opening- Note-22	72,053,500		
	Liquidity Reserve-Closing - Note-22	(72,053,500)		
	Accounts Payable-Opening -Note-30	34,947,084,160		
	Accounts Payable-Closing- Note-30	(45,155,545,968)		
	Security Deposit Contractor's-Opening -Note-31	817,028,768		
	Security Deposit Contractor's-Closing- Note-31	(873,911,545)		
	Other Liabilities-Opening-Note-38	890,538,199		
	Other Liabilities-Closing-Note-38	(1,142,710,738)		
	Advance to Contractors-Opening - Note-13	(7,036,202,311)		
	, 3			
	Advance to Contractors-Closing - Note-13	6,795,086,188		
	Advance to Employees-Opening- Note-14	(1,667,272,757)		
	Advance to Employees-Closing- Note-14	1,747,154,859		
	Stock and Stores-Opening- Note-15	(12,663,115,493)		
	Stock and Stores-Closing- Note-15	13,280,284,606		
	Clearing Account-Opening- Note-39	112,872,214		
	Clearing Account-Closing- Note-39	252,702,328		
	Deposits and Prepaid-Opening- Note-16	(2,978,099,903)		
	Deposits and Prepaid-Closing -Note-16	4,268,250,062		
			270,053,030,779	
C	Reimburseable Project Aid- received-Sh-35		-	
D				(
Е	NET CASH OUTFLOW FROM OPERATING ACTIVITIES (A-B-C-D)			(4,341,908,839)
	CASH FLOW FROM INVESTING ACTIVITIES			
	Consumers Security Deposit -Note-27 (Closing-Opening)	455,795,456		
	Capital Expenditure-UPIS- Sh-3	(5,731,588,642)		
	Capital Expenditure-PIP*06 (Net Cash)	(73,907,873,908)		
	Employees Contribution to GPF, CPF and Pension Fund-Note-28 & 29	1,967,152,696		
	(Closing-Opening)			
	Investment in Share -07	(706,895,750)		
	Encashment of FDR-Sh-07	4,313,673,861		
	Investment in FDR-Sh-07	(17,285,239,014)		
F	NET CASH OUT FLOW FROM INVESTING ACTIVITIES			(90,894,975,302)
	CASH FLOW FROM FINANCING ACTIVITIES			
	Capital Contribution -Note-17 (Closing-Opening)	8,300,760,000		
	Grant-Note-20 (Closing- Opening)	452,250,000		
	Govt. Loan- Sh-24 (Loan Drawn during the Year)	3,536,070,000		
	Reimburseable Project Aid- received-Sh-35	-		
	Foreign Loan- Sh-26.Loan wise(Loan Drawn during the Year)	56,621,516,910		
	Deposit Work Fund -Note-21 (Closing- Opening)	135,645,729		
	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	(1,249,690,740)		
	Repayment of Govt. Loan-Sh-34	(1,737,539,890)		
	Refund of Govt. Loan-Sh-24	(77,132,800)		
	Refund of Govt. Edair-31-24 Refund of Equity to GOB			
	NET CASH INFLOW FROM FINANCING ACTIVITIES	(178,867,421)		65 003 011 707
-				65,803,011,787
G				(20 422 072 254)
Н	NET CASH OUTFLOW (E+F+G)			(29,433,872,354)
H I	NET CASH OUTFLOW (E+F+G) CASH RECEIVED FROM GOVT. AS BUDGETARY SUPPORT			39,940,100,000
Н	NET CASH OUTFLOW (E+F+G)			

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STATEMENT OF FINANCIAL POSITION (GENERATION AND BULK)

AS AT JUNE 30, 2017

Figures In Taka

PROPERTY AND ASSETS	FY 2016-2017	FY 2015-2016
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	388,074,330,457	346,068,484,357
LESS: ACCUMULATED DEPRECIATION	167,455,274,285	156,026,331,743
WRITTEN DOWN VALUE	220,619,056,172	190,042,152,613
PROJECT IN PROGRESS	87,847,754,955	53,200,954,355
INVESTMENT IN SHARES	16,655,207,037	15,655,207,037
TOTAL NON-CURRENT ASSETS	325,122,018,163	258,898,314,005
CURRENT ASSETS		
INVESTMENT	48,785,388,964	34,925,231,395
CASH IN HAND AND AT BANK	68,521,395,509	51,667,646,183
ACCOUNTS RECEIVABLE - TRADE-BULK	84,904,908,211	72,344,938,565
ACCOUNTS RECEIVABLE - FROM SPC BULK	27,370,694,601	26,437,840,544
ACCOUNTS RECEIVABLE - OTHERS	21,164,774,757	12,158,727,576
ADVANCE TO CONTRACTORS & SUPPLIERS	6,709,190,908	6,944,585,885
ADVANCE TO EMPLOYEES	919,912,441	928,203,256
STOCK AND STORES	12,003,400,286	11,445,804,538
SECURITY DEPOSIT TO OTHER UTILITIES	656,758,818	108,108,469
INCOME TAX DEDUCTION AT SOURCE	3,376,041,334	2,650,042,815
TOTAL CURRENT ASSETS	274,412,465,828	219,611,129,225
TOTAL PROPERTY AND ASSETS	599,534,483,991	478,509,443,230

RAHMAN MOSTAFA ALAM AND CO.

Chartered Accountants



A Meeting participated by banking community on financing in power sector of Bangladesh at Bidyut Bhaban



STATEMENT OF FINANCIAL POSITION (GENERATION AND BULK)

AS AT JUNE 30, 2017

Figures In Taka

CAPITAL AND LIABILITIES	FY 2016-2017	FY 2015-2016
EQUITY AND RESERVE		
PAID UP CAPITAL	139,160,124,541	133,635,758,341
RETAINED EARNINGS	(460,251,696,587)	(420,582,617,151)
APPRAISAL SURPLUS	89,477,620,309	89,477,620,309
GRANTS	3,957,812,642	3,657,812,642
LIQUIDITY DAMAGE RESERVE	72,053,500	72,053,500
ASSETS INSURANCE FUND	273,000,000	261,000,000
MAINTANANCE AND DEVELOPMENT FUND	61,438,185,459	46,395,327,096
	(165,872,900,135)	(147,083,045,263)
NON-CURRENT LIABILITIES		
GOVERNMENT LOAN	54,580,323,558	53,880,011,458
BUDGETARY SUPPORT AS SUBSIDY FROM GOVT. (DIFFERENCE OF BUYING AND SELLING RATE)	396,104,300,000	356,164,200,000
FOREIGN LOAN	94,865,814,655	40,790,702,417
	545,550,438,213	450,834,913,875
DEPOSIT & PROVISION FUND		
GPF AND CPF	4,211,290,588	3,636,559,361
GRATUITY AND PENSION FUND	9,402,647,934	8,373,668,611
	13,613,938,522	12,010,227,972
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	44,507,023,493	33,792,380,671
SECURITY DEPOSIT (CONTRACTORS AND SUPPLIERS)	553,069,417	519,346,836
CURRENT PORTION OF LONG TERM LIABILITIES	6,051,023,376	3,193,726,180
DEBT SERVICING LIABILITIES (PRINCIPAL)	49,926,812,592	48,682,828,329
REIMBURSABLE PROJECT AID	516,533,039	516,533,039
DEBT SERVICING LIABILITIES (INTEREST)	44,496,757,115	41,857,457,390
INTEREST ON BUDGETARY SUPPORT FROM GOVT. (FUND)	44,817,892,760	33,529,595,714
OTHER LIABILITIES	506,778,581	356,033,220
	191,375,890,374	162,447,901,379
CLEARING ACCOUNTS	14,867,117,018	299,445,267
TOTAL EQUITY AND LIABILITIES	599,534,483,991	478,509,443,230

RAHMAN MOSTAFA ALAM AND CO.

Chartered Accountants



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

FOR THE YEAR ENDED JUNE 30, 2017

Figures In Taka

PARTICULARS	FY 2016-17	FY 2015-16
OPERATING REVENUE		
ENERGY SALES (BULK)	263,970,866,250	235,811,585,402
OTHER OPERATING INCOME	7,063,799,025	6,194,836,381
	271,034,665,275	242,006,421,784
OPERATING EXPENSES		
FUEL EXPENSES	34,998,921,271	34,204,064,815
PERSONNEL EXPENSES	5,936,650,184	4,837,817,069
OFFICE EXPENSES	368,883,090	336,097,382
REPAIRS AND MAINTENANCE EXPENSES	3,590,179,012	2,685,390,487
DEPRECIATION	11,257,022,688	10,096,205,543
TOTAL OWN GENERATION EXPENSES	56,151,656,245	52,159,575,296
ELECTRICITY PURCHASE FROM IPP	87,338,700,511	75,651,799,556
ELECTRICITY PURCHASE FROM INDIA	25,925,491,812	19,668,713,252
ELECTRICITY PURCHASE FROM RENTAL	60,014,101,426	64,520,102,192
ELECTRICITY PURCHASE FROM PUBLIC PLANT	53,401,117,521	39,938,266,211
GENERAL AND ADMINISTRATIVE EXPENSES	2,808,219,975	2,252,193,312
TOTAL OPERATING EXPENSES	285,639,287,489	254,190,649,819
OPERATING INCOME / (LOSS)	(14,604,622,214)	(12,184,228,035)
FINANCING AND OTHER CHARGES	2,334,352,809	1,806,166,726
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	11,288,297,047	9,946,497,822
INCOME / (LOSS)	(28,227,272,069)	(23,936,892,583)
GAIN/(LOSS) DUE TO EXCHANGE RATE FLUCTUATION	(546,704,449)	(30,930,978)
ASSETS INSURANCE FUND	12,000,000	12,000,000
MAINTANANCE AND DEVELOPMENT EXPENSES	13,640,707,389	12,704,966,351
NET INCOME / (LOSS) FOR THE YEAR	(42,426,683,907)	(36,684,789,913)
RETAINED EARNINGS		
BALANCE AS ON JULY 01, 2016	(420,582,617,151)	(388,803,270,634)
PREVIOUS YEAR'S ADJUSTMENT	2,757,604,471	4,905,443,397
NET INCOME / (LOSS) FOR THE YEAR	(42,426,683,907)	(36,684,789,913)
BALANCE AS ON JUNE 30, 2017	(460,251,696,587)	(420,582,617,151)

RAHMAN MOSTAFA ALAM AND CO.

Chartered Accountants



STATEMENT OF FINANCIAL POSITION (DISTRIBUTION SECTOR)

AS AT JUNE 30, 2017

Figures In Taka

PROPERTY AND ASSETS	FY 2016-2017	FY 2015-2016
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	125,060,857,052	122,027,708,649
LESS: ACCUMULATED DEPRECIATION	56,373,208,280	52,724,181,846
WRITTEN DOWN VALUE	68,687,648,771	69,303,526,803
PROJECT IN PROGRESS	14,477,731,446	7,603,830,735
INVESTMENT IN SHARES	4,913,802,191	5,206,906,441
TOTAL NON-CURRENT ASSETS	88,079,182,408	82,114,263,979
CURRENT ASSETS		
INVESTMENT	10,887,514,546	11,776,106,962
CASH IN HAND AND AT BANK	8,820,147,779	15,167,669,459
ACCOUNTS RECEIVABLE - TRADE	18,631,045,833	24,722,151,705
ACCOUNTS RECEIVABLE - OTHERS	3,195,912,675	3,045,961,134
PROVISION FOR BAD AND DOUBTFUL DEBTS	(1,236,107,585)	(1,236,107,585)
ADVANCE TO CONTRACTORS AND SUPPLIERS	85,895,281	91,616,426
ADVANCE TO EMPLOYEES	827,242,419	739,069,502
STOCK AND STORES	1,276,884,320	1,217,310,955
SECURITY DEPOSIT TO OTHER UTILITIES	9,438,625	11,045,991
INCOME TAX DEDUCTION AT SOURCE	226,011,286	208,902,628
TOTAL CURRENT ASSETS	42,723,985,177	55,743,727,177
TOTAL PROPERTY AND ASSETS	130,803,167,585	137,857,991,156

RAHMAN MOSTAFA ALAM AND CO.

Chartered Accountants



STATEMENT OF FINANCIAL POSITION (DISTRIBUTION SECTOR)

AS AT JUNE 30, 2017

Figures In Taka

CAPITAL AND LIABILITIES	FY 2016-2017	FY 2015-2016
EQUITY AND RESERVE		
PAID UP CAPITAL	33,704,032,538	29,991,792,559
RETAINED EARNINGS	(31,693,164,453)	(29,772,688,647)
APPRAISAL SURPLUS	27,580,251,173	27,580,251,173
GOVT. EQUITY AGAINST DESCO'S SHARE	3,328,924,865	2,244,887,760
GRANTS	2,298,193,218	2,145,943,218
DEPOSIT WORK FUND	3,206,606,435	3,070,960,706
ASSETS INSURANCE FUND	87,000,000	84,000,000
	38,511,843,776	35,345,146,769
NON-CURRENT LIABILITIES		
GOVERNMENT LOAN	13,943,946,423	12,146,536,521
FOREIGN LOAN	11,388,727,465	12,327,201,111
SECURITY DEPOSIT (CONSUMERS)	5,199,031,937	4,743,236,482
GPF AND CPF	2,931,420,692	2,571,114,759
GRATUITY AND PENSION FUND	3,895,586,860	3,892,450,647
	37,358,713,378	35,680,539,520
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	648,522,474	1,154,703,488
ACCOUNTS PAYABLE TO BPDB GENERATION	27,370,694,601	26,437,840,544
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	320,842,128	297,681,931
CURRENT PORTION OF LONG TERM LIABILITIES	1,343,149,565	1,280,613,478
DEBT SERVICING LIABILITIES (PRINCIPAL)	22,999,542,659	21,608,882,101
REIMBURSABLE PROJECT AID	507,754,421	507,754,421
DEBT SERVICING LIABILITIES (INTEREST)	16,225,991,768	15,196,896,973
OTHER LIABILITIES	635,932,158	534,504,980
	70,052,429,775	67,018,877,917
CLEARING ACCOUNTS	(15,119,819,343)	(186,573,050)
TOTAL EQUITY AND LIABILITIES	130,803,167,585	137,857,991,156

RAHMAN MOSTAFA ALAM AND CO.

Chartered Accountants



STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME OF DISTRIBUTION SECTOR

FOR THE YEAR ENDED JUNE 30, 2017

Figures In Taka

PARTICULARS	FY 2016-17	FY 2015-16
OPERATING REVENUE		
ENERGY SALES (RETAIL)	65,691,465,444	69,935,030,823
OTHER OPERATING INCOME	2,634,303,514	3,269,000,936
	68,325,768,958	73,204,031,759
OPERATING EXPENSES		
POWER PURCHESE COST AS PER BST	56,408,257,600	61,987,148,266
TRANSMISSION EXPENSES FOR WHEELING CHARGE	2,551,961,312	2,718,433,370
SUB-TOTAL ENERGY IMPORT COST	58,960,218,912	64,705,581,636
PERSONNEL EXPENSES	4,626,887,223	4,090,177,134
OFFICE EXPENSES	366,800,659	436,229,188
REPAIR AND MAINTENANCE EXPENSES	976,628,376	1,189,162,267
DEPRECIATION	3,582,630,620	3,078,171,072
PROVISION FOR BAD DEBTS	-	169,675,899
TOTAL DISTRIBUTION EXPENSES	9,552,946,879	8,963,415,560
GENERAL AND ADMINISTRATIVE EXPENSES	986,665,639	956,820,316
TOTAL OPERATING EXPENSES	69,499,831,430	74,625,817,512
OPERATING INCOME / (LOSS)	(1,174,062,471)	(1,421,785,753)
FINANCING AND OTHER CHARGES	1,017,097,427	603,732,395
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	-	-
INCOME / (LOSS)	(2,191,159,898)	(2,025,518,148)
GAIN / (LOSS) DUE TO EXCHANGE RATE FLUCTUATION	271,857,160	(24,195,511)
ASSETS INSURANCE FUND	3,000,000	3,000,000
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	(1,922,302,737)	(2,052,713,659)
RETAINED EARNINGS		•
BALANCE AS ON JULY 01, 2016	(29,772,688,647)	(27,678,593,290)
PREVIOUS YEAR'S ADJUSTMENT	1,826,932	(41,381,698)
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	(1,922,302,737)	(2,052,713,659)
BALANCE AS ON JUNE 30, 2017	(31,693,164,453)	(29,772,688,647)

RAHMAN MOSTAFA ALAM AND CO.

Chartered Accountants

INCOME STATEMENT AND BALANCE SHEET RATIOS

Formula	June 30, 2017		June 30, 2016			
Formula	Calculations	Result	Calculations	Result		
Operating Income	(15,778,684,684.99)	(5.500())	(13,606,013,789.00)	(5.270/)		
Total operating revenue	282,952,176,633,96	(5.58%)	253,223,305,276.00	(5.37%)		
Operating Income	(15,778,684,684.99)	(3.07%)	(13,606,013,789.00)	(2.91%)		
Operating Average fixed Assets	513,135,187,508	(3.07%)	468,096,193,005.00	(2.9170)		
Operating Expenses	298,730,861,318.95	105.58%	266,829,319,065.00	105.37%		
Operating revenue	282,952,176,633.96	103.36%	253,223,305,276.00	103.37%		
Total Current Assets	289,765,756,400.30	1.24:1	248,917,015,853.00	1,23:1		
Total Current Liabilities	234,057,625,548.76	1.24.1	203,028,938,754.00			
Total Current Assets - Inventory	289,765,756,400-13,280,284,606	1.18:1	248,917,015,853-12,663,115,493	1.16:1		
Total Current Liabilities	234,057,625,548.76	1.10.1	203,028,938,754.00	1.10.1		
Total Long Term Debt	570,883,112,100.75	(4.40).1	475,308,651,506.00	(4.25).1		
Total Equity Capital	(127,361,056,366.71)	(4.48):1	(111,737,898,501.00)	(4.25):1 		

CONSOLIDATED SCHEDULE OF EXPENSES

Head of Accounts	Generation Expenses	Distribution Expenses	Gen. & Admn. Expenses	Total Expenses FY 2016-2017	Total Expenses FY 2015-2016
Fuel Consumption for Ge	·				
Natural Gas	8,965,964,473	-	-	8,965,964,473	9,271,115,635
Liquid fuel	20,214,122,688	-	-	20,214,122,688	19,177,191,09
Coal	5,818,834,110	-	-	5,818,834,110	5,755,758,08
Sub Total	34,998,921,271	-	-	34,998,921,271	34,204,064,814
Personnel Expenses	5,936,650,184	4,626,887,223	2,808,977,267	13,372,514,674	11,156,678,29
Office and Other Expenses	368,883,090	366,800,659	427,040,255	1,162,724,004	1,160,600,70
Repairs and Maintenance	3,590,179,012	976,628,376	320,552,424	4,887,359,812	4,250,588,27
Depreciation	11,257,022,688	3,582,630,620	238,315,669	15,077,968,977	13,390,396,48
Bad debts	-	-	-	-	169,675,89
Wheeling Charge	-	2,551,961,312	-	2,551,961,312	2,718,433,37
Sub Total	21,152,734,973	12,104,908,191	3,794,885,615	37,052,528,779	32,846,373,039
Electricity Purchase					
From IPP and SIPP.	87,338,700,511	-	-	87,338,700,511	75,651,799,550
From Rental Plant	60,014,101,426	-	-	60,014,101,426	64,520,102,193
From Public Plant	53,401,117,521	-	-	53,401,117,521	39,938,266,21
From India	25,925,491,812	-	-	25,925,491,812	19,668,713,252
Sub Total	226,679,411,269	-	-	226,679,411,269	199,778,881,21
Financing & other charges	2,334,352,809	1,007,097,427	-	3,351,450,235	2,409,899,12
Interest on Budgetary Support	11,288,297,047	-	-	11,288,297,047	9,946,497,82
Maint. and Dev. Expenses	13,640,707,389	-	-	13,640,707,389	12,704,966,35
Provision for Assets Ins.	12,000,000	3,000,000	-	15,000,000	15,000,00
Sub Total	27,275,357,244	1,020,097,427	-	28,295,454,671	25,076,363,294
Grand Total	310,106,424,758	13,125,005,617	3,794,885,615	327,026,315,990	291,905,682,35



DETAILS OF PERSONNEL EXPENSES

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Head of Accounts	Generation Expenses	Distribution Expenses	General & Administrative Expenses	Total
Pay of Officers	614,542,459	499,190,206	464,900,763	1,578,633,427
Pay of Staff	811,206,534	820,203,885	385,333,276	2,016,743,695
Allowances of Officers	354,796,020	197,686,426	204,644,600	757,127,046
Allowances of Staff	605,735,004	521,768,198	242,358,229	1,369,861,432
Leave Encashment	155,933,120	192,562,328	102,796,956	451,292,404
Overtime Allowances (Single Rate)	123,939,754	127,139,251	55,059,052	306,138,056
Overtime Allowances (Double Rate)	689,352,467	396,889,349	133,245,681	1,219,487,498
House Rent Expenses	-	20,000	-	20,000
Medical Expenses	12,954,860	4,670,928	4,652,035	22,277,823
Bonus for Officers	68,435,490	49,758,838	57,462,824	175,657,152
Bonus for Stuff	132,971,403	144,082,008	62,803,962	339,857,373
Boishakhi Allowance for Officers	6,881,413	4,185,841	6,607,708	17,674,962
Boishakhi Allowance for Staff	13,338,066	11,552,733	5,453,138	30,343,937
Employees Electricity Rebate	136,396,399	132,927,250	68,239,807	337,563,456
Employees Other Benefit & Welfare Expenses	4,416,199	2,770,883	17,126,475	24,313,557
Reimbursement for Treatment of Accident (on duty) affected Employee	31,000	15,000	-	46,000
Board's Contribution to Pension Fund	1,889,892,053	1,158,373,393	665,612,188	3,713,877,633
Leave Encashment on Retirement	56,123,340	71,769,172	85,137,191	213,029,703
L. Salary & Pension Cont. for Trans. Govt. Employees	-	470,000	29,530	499,530
Honorarium (Punishment/Reward Scheme)	68,367,694	74,666,744	117,388,544	260,422,982
Honorarium (Others)	33,703,643	2,303,889	16,072,066	52,079,598
Wages for Hired Labour	157,633,265	208,780,646	39,012,791	405,426,701
Computerization of Commercial Operation	-	-	75,040,452	75,040,452
Service charge for collection of Electricity Bill by Mobile Phone Co.	-	5,100,256	-	5,100,256
Total Personnel Expenses	5,936,650,184	4,626,887,223	2,808,977,267	13,372,514,674



DETAILS OF OFFICE AND OTHER EXPENSES

Head of Accounts	Generation	Distribution	General & Administrative	Total
Traveling Expenses/ Allowances(For Official)	91,147,763	99,916,665	79,041,858	270,106,286
Traveling Expenses (For Training)	15,397,348	2,659,638	19,173,778	37,230,764
Conveyance Charge	1,194,615	6,037,920	6,820,264	14,052,799
Washing Expenses	172,563	209,660	917,764	1,299,987
Representation & Entertainment	384,240	30,577	3,595,431	4,010,248
Stationary & Printing	11,075,558	40,071,292	41,279,598	92,426,448
Taxes,Licence & Fees	35,263,051	24,461,595	29,943,879	89,668,525
Office Rent	-	4,985,239	7,739,643	12,724,882
Water Charges	3,924,244	198,175	6,439,746	10,562,165
Electric Charges (Own use)	158,786,358	136,883,731	60,223,705	355,893,795
Electricity Rebate - Freedom fighters	-	2,512,752	900	2,513,652
Uniforms & Liveries	19,843,812	6,666,875	2,852,866	29,363,553
Post & Telegram	402,838	924,568	2,266,040	3,593,446
Telephone, Telex & Fax	3,770,934	11,292,113	6,285,035	21,348,082
Advertising & Promotion	22,118,205	20,999,382	101,657,315	144,774,902
Audit Fee	10,000	4,231,000	1,689,300	5,930,300
Legal Expenses (Lawyer's Fees & Court Fees)	175,334	3,776,524	5,969,065	9,920,923
Books & Periodicals	772,655	460,996	1,034,182	2,267,833
Donation & Contributions	3,507,802	96,228	2,360,320	5,964,350
Donation to sick Employees from Benevolent Fund	47,000	-	-	47,000
Training & Education	888,770	385,729	47,749,565	49,024,064
Total Office & Other Expenses	368,883,090	366,800,659	427,040,255	1,162,724,004



Workshop on Cyber Security at Bidyut Bhaban. Adviser to the Hon'ble Prime Minister Dr. Tawfiq-e-Elahi Chowdhury BB State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid MP and Principal Coordinator for SDG Affairs Mr. Md. Abul Kalam Azad were present



DETAILS OF REPAIR AND MAINTENANCE EXPENSES

				3
Head of Accounts	Generation	Distribution	General & Administrative	Total
Petrol/ Diesel & Lubricants Used for Transport	29,917,198	105,133,749	45,831,315	180,882,262
CNG Used for Vehicle	7,724,456	3,033,020	12,788,064	23,545,540
Petrol/ Diesel & Lubricants Used for Other Equipment	205,429,831	-	2,500	205,432,331
Store & Spares Used	234,570,024	130,140,724	11,810,785	376,521,533
Custom Duties & Sale Tax	624,981,755	60,790,491	-	685,772,246
Vat	87,462,098	-	_	87,462,098
Demurrage & Warfront	14,659,423	4,068,662	_	18,728,085
Freight & Handling	7,266,465	70,099,507	165,896	77,531,869
Insurance (For Goods & Property)	132,145	-	-	132,145
Insurance (For Transportation Equipment)	2,410,536	1,279,712	2,347,014	6,037,262
Insurance For Vehicle & other	-	630	10,686,050	10,686,680
Bank Charge & Commission	1,685,850	93,867,273	34,295,060	129,848,183
Contractor's Fees	-	2,000	-	2,000
Office Maintenance	-	176,917	32,820	209,737
Consultants Expenses (Local)	4,437,449	36,043,398	19,908,008	60,388,855
Consultants Expenses (Foreign)	331,751,621	3,352,602	-	335,104,223
Land & Land Rights	13,245,122	-	_	13,245,122
Structure & Improvement	37,923,683	77,031,863	109,448,594	224,404,140
Boiler Plant equipment	32,620,008	-	-	32,620,008
Engine & Engine Driven Generators	17,505,817	5,360	-	17,511,177
Generator	25,894,599	311,730	_	26,206,329
Prime Movers	5,931,094	-	_	5,931,094
Accessory elect. equipment	2,485,714	3,378,223	-	5,863,937
Reservoir, Dams & Waterways	2,802,249	-	-	2,802,249
Fuel Holders, Producers & Accessories	29,739,653	-	-	29,739,653
Station Equipment	1,798,348,555	2,143,681	-	1,800,492,236
Poles & Fixtures	-	2,302,703	-	2,302,703
Overhead Conduct & Devices	10,041,861	304,518,660	1,583,358	316,143,879
Underground Conductors	-	240,140	-	240,140
Line Transformers	1,919,342	16,418,658	-	18,338,000
Transportation Equipment's	26,364,143	55,483,764	62,168,064	144,015,971
Office furniture & Equipment	1,326,432	4,205,579	7,101,908	12,633,919
Office furniture & Equipment (Computer, Monitor & Others)	117,490	10,150	75,250	202,890
Tools, Shop and Garage Equipments	-	2,306,290	1,296,120	3,602,410
Stores Equipment	31,421,657	282,890	1,011,618	32,716,165
Fire Fighting Equipment	62,741	-	-	62,741
Total Repair & Maintenance	3,590,179,012	976,628,376	320,552,424	4,887,359,812

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COMPARISION OF ELECTRICITY PURCHASE FROM IPP AND SIPP WITH PREVIOUS YEAR

Particulars	Nature		FY 2016-2017	FY	2015-2016		
Particulars	of Fuel	Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
KPCL, Khulna	HFO	414,341,640	3,750,356,659	9.05	476,353,980	3,828,186,885	8.04
NEPC BD. (LTD), Haripur	HFO	220,354,000	3,201,808,545	14.53	328,507,500	5,165,339,464	15.72
Doreen Power Generation & System LtdFeni	HFO	152,370,666	359,880,451	2.36	149,273,136	366,346,379	2.45
Doreen Power Generation & System Ltd Tangail	HFO	139,611,729	348,277,970	2.49	125,021,072	342,568,004	2.74
Summit Meghnaghat Power Ltd.	HFO	1,023,962,225	20,205,278,506	19.73	1,014,710,135	20,697,154,346	20.4
Raj Lanka Power Limited	HFO	201,277,765	2,474,374,827	12.29	185,796,182	3,066,232,123	16.5
Baraka Patenga Power Limited	HFO	276,508,128	2,622,307,842	9.48	288,125,856	1,982,292,880	6.88
Digital Power & Associates Ltd.	HFO	421,087,536	3,300,385,825	7.84	518,152,249	3,651,315,045	7.05
RPCL 52MW Gazipur	HFO	241,436,424	2,823,832,429	11.70	228,325,572	3,315,966,059	14.52
RPCL 52MW Rawjan	HFO	117,031,014	1,462,335,414	12.50	122,327,843	1,815,631,063	14.84
Lakdhanvi Bangla Power Ltd.	HFO	83,045,309	1,468,908,488	17.69	163,843,496	2,670,573,296	16.3
ECPV Power Ltd.	HFO	487,890,144	4,002,293,612	8.20	470,657,400	3,682,874,353	7.82
Sinha People Energy Ltd.	HFO	162,598,272	1,728,764,643	10.63	221,236,224	1,687,192,489	7.63
Summit Barishal Power Ltd.	HFO	710,876,160	5,281,071,811	7.43	219,845,664	1,206,467,781	5.49
Summit Narayangonj Power Unit II Ltd.	HFO	254,069,326	2,089,954,993	8.23	135,369,822	746,093,323	5.51
Powerpac MUTIARA Jamalpur Power Plant Ltd.	HFO	274,450,253	3,187,636,176	11.61			
CLC 108 MW Bosila Keranigonj	HFO	124,289,712	1,276,122,469	10.27			
TOTAL IPP & SIPP (HFO)		5,305,200,303	59,583,590,659	11.23	4,647,546,130	54,224,233,490	11.67
WESTMONT BD. (LTD), Baghabari	GAS	-	-	-	-	-	-
RPC LTD. Mymensingh (210 MW)	GAS	1,092,051,624	2,839,654,674	2.60	1,397,661,224	3,107,826,981	2.22
AES, Haripur (PVT.) LTD.	GAS	2,362,906,000	3,611,744,022	1.53	2,580,082,000	3,801,229,479	1.47
AES Meghna Ghat BD. LTD.	GAS	2,599,083,001	5,204,031,474	2.00	1,743,792,414	3,859,971,825	2.21
Rejent Power Ltd.	GAS	127,325,664	305,945,761	2.40	166,230,288	387,065,992	2.33
Summit Purbachal Power LtdJangalia	GAS	194,552,064	603,234,726	3.10	223,534,713	715,260,175	3.2
Midland Power Company Ltd.	GAS	229,390,014	631,053,583	2.75	298,714,259	716,390,035	2.4
Regent Energy & Power Ltd.	GAS	653,335,463	1,495,536,363	2.29	704,418,408	1,440,078,724	2.04
United Power Generation & Distribution	GAS	176,396,160	511,415,977	2.90	163,798,560	471,410,950	2.88
United Ashugang Energy Ltd.	GAS	958,713,808	3,905,011,990	4.07	1,264,838,840	3,539,384,143	2.8
Summit Bibiyana II Power Company Ltd.	GAS	2,061,220,472	4,556,324,332	2.21	1,583,691,288	3,256,519,249	2.06
Doreen Southern Power Limited	GAS	250,351,459	2,189,371,252	8.75	25,807,397	132,428,513	5.13
Doreen Northern Power Limited	GAS	256,167,282	1,801,067,816	7.03	-	-	-
Shahjanullah Power Generation Co Ltd	GAS	28,181,002	100,717,883	3.57			
TOTAL IPP & SIPP (GAS)		10,989,674,013	27,755,109,852	2.53	10,152,569,390	21,427,566,066	2.11
TOTAL IPP & SIPP		16,294,874,316	87,338,700,511	5.36	14,800,115,520	75,651,799,556	5.11

COMPARISION OF ELECTRICITY PURCHASE FROM PUBLIC PLANTS WITH PREVIOUS YEAR

Parel culous	Nature	F	Y 2016-2017		F'	Y 2015-2016	
Particulars	of Fuel	Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
Ashujong Power Co. Ld	GAS	3,214,612,871	5,571,467,720	1.73	3,584,318,354	5,914,580,355	1.65
Ashujong 50MW Power Co. Ld	GAS	225,997,758	391,548,912	1.73	173,673,864	311,350,616	1.79
APSCL225 MW GT (Ashujong Power Co. Ld)	GAS	1,093,001,212	3,264,066,301	2.99	718,888,133	2,405,908,486	3.35
APSCL450 MW CC (Ashujong Power Co. Ld) SOUTH	GAS	1,643,392,108	5,190,041,587	3.16	121,623,137	243,813,395	2.00
APSCL450 MW CC (Ashujong Power Co. Ld) NORTH		268,857,772	404,032,553	1.50			
SBU Haripur	GAS	197,510,464	405,318,009	2.05	-	464,828,363	-
EGCB Ltd. (Siddhirgonj)	GAS	506,944,824	1,759,683,600	3.47	749,421,984	2,062,343,838	2.75
EGCB Ltd. (Haripur CCPP)	GAS	2,874,641,130	4,987,909,631	1.74	1,224,031,040	1,923,056,582	1.57
North West Power Gen (NWPGCL) Sirajgonj	GAS	1,566,491,837	3,477,677,366	2.22	1,554,882,173	3,419,814,472	2.20
BHERAMARA 360 MW NWPGCL, CCPP		252,012,770	567,028,733	2.25			
Total Public Plant (GAS)		11,843,462,746	26,018,774,412	2.20	8,126,838,685	16,745,696,107	2.06
North West Power Gen (NWPGCL) Khulna	HSD	957,013,967	18,291,788,808	19.11	536,903,687	14,998,481,892	27.94
BPDB RPCL PowerGen Ltd HSD		686,168,458	9,090,554,301	13.25	519,571,021	8,194,088,212	15.77
Total Public Plant (HSD)		1,643,182,425	27,382,343,109	16.66	1,056,474,708	23,192,570,104	21.95
Total Public Plant		13,486,645,171	53,401,117,521	3.96	9,183,313,393	39,938,266,211	4.35



COMPARISION OF ELECTRICITY PURCHASE FROM INDIA WITH PREVIOUS YEAR

B .: I	Capacity	FY	2016-2017	FY 2015-2016			
Particulars	MW	Unit kWh	Amount in Tk.	Cost/kWh	Unit kWh	Amount in Tk.	Cost/kWh
NVVN Ltd India	250	1,886,501,015	7,148,240,038	3.79	1,826,124,537	5,125,461,453	2.81
PTC India Ltd.	250	1,892,344,451	12,883,667,156	6.81	1,886,876,028	13,303,779,578	7.05
NVVN Tripura	160	717,765,809	4,882,860,435	6.80	190,772,347	1,239,472,221	6.50
PTC India Ltd.	40	197,429,520	1,010,724,183	5.12	-	-	-
Total Import		4,694,040,796	25,925,491,812	5.52	3,903,772,912	19,668,713,252	5.04

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

	Nature		FY 2016-2017		F	FY 2015-2016		
Particulars	of Fuel	Unit Kwh	Amount in Tk.	Cost/kwh	Unit Kwh	Amount in Tk.	Cost/kwh	
AGGREKO, INTERNATIONAL LTDGHORASAL (145 MW)	GAS	996,642,770	3,490,345,415	3.50	1,017,499,171	3,464,933,008	3.41	
AGGREKO, INTERNATIONAL LTDB.BARIA (85 MW)	GAS	436,451,018	1,826,969,398	4.19	549,002,008	2,021,033,239	3.68	
AGGREKO, INTERNATIONAL LTDASHUGONJ (95 MW)	GAS	180,231,572	667,606,582	3.70	484,380,292	2,135,814,813	4.41	
BARKATULLAH ELECTRO DYNAMICS LTD.	GAS	281,850,576	732,432,580	2.60	334,223,526	787,565,318	2.36	
SHAHJIBAZAR POWER CO. LTD.	GAS	402,946,133	1,257,107,043	3.12	553,765,310	1,516,091,182	2.74	
DESH CAMBRIDGE, KUMERGOAN	GAS	55,237,554	166,467,741	3.01	66,893,290	182,476,713	2.73	
ENERGYPRIMA, KUMERGOAN	GAS	266,002,400	951,415,807	3.58	332,224,980	996,740,110	3.00	
ENERGYPRIMA, SHAHJIBAZAR	GAS	144,375,984	879,086,761	6.09	305,464,426	971,137,623	3.18	
ENERGYPRIMA, FENCHUGONJ	GAS	271,042,582	1,040,701,891	3.84	340,893,317	1,096,851,987	3.22	
ENERGYPRIMA, BOGRA	GAS	63,201,816	222,795,346	3.53	96,829,956	292,014,035	3.02	
VENTURE ENERGY, BHOLA	GAS	88,243,399	244,346,147	2.77	158,199,194	727,686,054	4.60	
MAX POWER LTDGHORASAL	GAS	441,298,731	1,779,263,008	4.03	240,450,712	862,207,259	3.59	
UNITED ASHUGONJ POWER LTD.	GAS	183,033,973	1,051,929,399	5.75	287,551,840	1,173,662,648	4.08	
PRECISION ENERGY LTD.	GAS	234,115,397	978,891,791	4.18	315,805,272	1,038,079,832	3.29	
GBB POWER LTD.	GAS	173,504,374	526,879,383	3.04	176,896,777	517,249,051	2.92	
Total Rental & Quick Rental (GAS)		4,218,178,279	15,816,238,294	3.75	5,260,080,071	17,783,542,872	3.38	
SUMMIT NARAYANGONJ POWER LTD.	HFO	463,062,696	4,082,438,381	8.82	577,185,288	4,804,214,418	8.32	
KPCL -UNIT-2	HFO	517,533,528	4,666,155,450	9.02	596,663,616	4,880,030,545	8.18	
KHANJAHAN ALI POWER LTD.	HFO	194,566,346	1,731,203,571	8.90	169,671,177	1,422,944,301	8.39	
QUANTUM POWER NOWAPARA	HFO	-	-	-	-	-	-	
IELCONSOURTIUM & ASSOCIATES	HFO	369,322,578	3,696,117,162	10.01	480,391,363	4,678,259,616	9.74	
ENERGIS POWER CORPORATION LTD.	HFO	229,537,096	2,348,531,132	10.23	167,952,204	2,641,268,993	15.73	
DUTCH BANGLA POWER & ASSOCIATES LTD.	HFO	464,817,034	4,154,497,252	8.94	487,015,604	4,378,078,221	8.99	
ACRON INFRASTRUCTURE SERVICE LTD.	HFO	605,933,460	5,236,897,342	8.64	538,228,200	4,375,414,971	8.13	
AMNURA (SINHA POWER GENERATION)	HFO	224,374,767	2,697,522,666	12.02	173,075,367	2,820,585,237	16.30	
POWER PAC MUTIARA KERANIGONJ	HFO	332,008,800	3,419,331,749	10.30	358,399,464	4,387,394,606	12.24	
NORTHERN POWER	HFO	186,421,455	2,562,779,761	13.75	151,309,891	2,626,732,660	17.36	
Total Rental & Quick Rental (HFO)		3,587,577,760	34,595,474,465	9.64	3,699,892,174	37,014,923,569	10.00	
AGGREKO, KHULNA(3 YEARS) LIQUID FUEL	HSD	-	-	-	-	-	-	
AGGREKO, INTERNATIONAL LTDKhulna (55 MW)	HSD	78,089,810	2,026,304,023	25.95	70,871,680	1,936,227,182	27.32	
DPA POWER GEN. INT. LTD.	HSD	83,705,137	2,421,835,009	28.93	92,649,570	2,499,608,947	26.98	
QUANTUM POWER 100 MW BHERAMARA	HSD	-	-	-	-	-	-	
DESH ENERGY100 MW SIDDIRGONJ	HSD	160,387,800	4,534,190,371	28.27	139,610,256	3,924,348,040	28.11	
R Z POWER LTD.	HSD	29,943,534	620,059,265	20.71	62,782,822	1,361,451,582	21.69	
Total Rental & Quick Rental (HSD)		352,126,281	9,602,388,668	27.27	365,914,328	9,721,635,751	26.57	
TOTAL Rental & Quick Rental		8,157,882,320	60,014,101,426	7.36	9,325,886,573	64,520,102,192	6.92	

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GENERATION COST (BPDB'S OWN POWER PLANT) FOR THE YEAR 2016-2017

					Variable Cost				Fixed (ost	Total C	
SI.	Generating Plant under	Capacity	acity Plant Net Generation Fuel Variable				Variable Fixed			Total	Gen.	
No.	Power Station		Factor	(kWh)	Fuel Cost Tk	cost Tk/kWh	Variable O & M (Tk.)	O & M Tk/kWh	Total Fixed Cost (Tk.)	Cost Tk/kWh	Generation Cost (Tk.)	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
	KARNAFULI HYDRO POWER STATION	230	49%	982,037,548	-	-	79,423,455	0.08	1,096,745,861	1.12	1,176,169,316	1.20
	Total Water	230	49%	982,037,548	-	-	79,423,455	0.08	1,096,745,861	1.12	1,176,169,316	1.20
2	WIND BASE POWER STATION, KUTUBDIA			89,045	-		65,133	0.73	6,197,676	69.60	6,262,810	70.33
	Total Wind	0		89,045			65,133	0.73	6,197,676	69.60	6,262,810	70.33
3	BAGHABARI POWER STATION	171	33%	495,009,070	519,989,427	1.05	339,015,903	0.68	554,917,834	1.12	1,413,923,164	2.86
4	GHORASHAL POWER STATION	950	31%	2,539,861,238	2,415,176,660	0.95	554,578,337	0.22	4,424,465,705	1.74	7,394,220,702	2.91
5	CHITTAGONG POWER STATION, RAWZAN	420	23%	858,795,460	948,851,065	1.10	209,761,096	0.24	1,522,338,618	1.77	2,680,950,780	3.12
6	SHIKALBAHA POWER STATION (Duel Fuel)	210	32%	580,325,149	465,123,360	0.80	135,216,115	0.23	925,860,061	1.60	1,526,199,536	2.63
7	KUMERGOAN GT POWER SYLHET	20	15%	25,732,490	32,808,984	1.28	4,043,909	0.16	42,889,300	1.67	79,742,193	3.10
8	SYLHET 150 MG PEAKING POWER PLANT	150	38%	502,355,672	572,214,882	1.14	125,002,079	0.25	735,067,752	1.46	1,432,284,713	2.85
9	FENCHUGANJ 2x 90 MW CCPP (1st & 2nd unit)	180	53%	836,875,520	866,883,614	1.04	384,874,632	0.46	733,880,618	0.88	1,985,638,865	2.37
10	SHAHJIBAZAR POWER STATION	117	21%	214,534,286	314,814,341	1.47	212,167,776	0.99	548,949,047	2.56	1,075,931,164	5.02
11	TONGI POWER STATION	109	0%	(1,653,742)	1,910,152	(1.16)	83,501,738	(50.49)	254,399,586	(153.83)	339,811,476	-205.48
12	SIDDIRGONJ POWER STATION	210	37%	678,254,508	651,304,410	· /	112,970,379	0.17	1,112,730,515	1.64	1,877,005,304	2.77
13	CHADPUR CC POWER PLANT	163	43%	608,494,530	584,276,718		40,165,160	0.07	864,982,110	1.42	1,489,423,987	2.45
14	Bhola 225 MW CCPP	194	61%	1,032,958,348	711,534,228		53,302,140	0.05	1,167,911,673	1.13	1,932,748,041	1.87
15	Shahiibazar 330 CCPP	330	31%	906,946,454	760,195,113	0.84	159,914		590,086,348		1,350,441,374	
16	SBU Haripur			7 2 2 7 2 2 7 2 2 7		-	-		205,697,992		205,697,992	
	Total Gas	3224	33%	9,278,488,983	8,845,082,954	0.95	2,254,759,178	0.24	13,684,177,160	1.47	24,784,019,292	<u> </u>
17	BARAPUKURIA POWER STATION	250	46%	1,008,837,570	6,122,402,308	_	224,330,839	0.22	1,960,391,260	1.94	8,307,124,407	8.23
.,	Total Coal	250	46%	1,008,837,570	6,122,402,308		224,330,839	0.22	1,960,391,260	1.94	8,307,124,407	8.23
18	KHULNA POWER STATION	170	0%	(1,021,544)	-	-	19,469,799	(7.04)	345,350,187	(338.07)	364,819,986	
19	BAGHABARI 50 PEAKING POWER PLANT	50	20%	88,904,984	1,001,938,716	11.27	26,332,034	0.30	498,396,498	5.61	1,526,667,248	
20	BERA PEACKING POWER PLANT	71	18%	109,157,007	1,169,866,088		28,558,690	0.26	484,172,645	4.44	1,682,597,423	
21	HATHAZARI PEACKING POWER PLANT	100	13%	111,889,186	1,205,341,769		18,996,424	0.17	906,703,601	8.10	2,131,041,794	
22	DOHAZARI PEACKING POWER PLANT	100	30%	263,078,400	2,558,566,760	9.73	63,894,084	0.24	966,099,004	3.67	3,588,559,848	
23	FARIDPUR PEACKING POWER PLANT	50	29%	128,542,240	1,446,992,751	11.26	114,077,102	0.89	392,799,039	3.06	1,953,868,893	
24	GOPALGONJ PEAKING POWER PLANT	100	20%	177,084,028	2,002,487,885	†	257,480,634	1.46	743,614,693	4.20	3,003,583,211	16.96
25	DAUDKANDI PEACKING POWER PLANT	50	11%	47,326,600	513,025,144		111,287,613	2.35	608,446,835	12.86	1,232,759,592	
26	SHANTAHAR 50MW POWER PLANT	50	24%	104,397,181	1,125,839,744		38,390,470	0.37	420,290,565	4.03	1,584,520,778	
27	KATAKHALI 50MW POWER PLANT	50	25%	108,524,287	1,155,825,813		41,603,841	0.38	416,324,609	3.84	1,613,754,263	
28	SHIKALBAHA 225 MW Shamipur (Duel Fuel)	225	7%	132,160,080	2,924,707,229		-	-	47,909,699	0.36	2,972,616,928	_
	CHAPAINOBABGONJ PEAKING PP		7,0	132/100/000	2/72 1/1 01 /227	22.13				0.50	2/372/010/320	22.17
29	100 MW AMNURA	100	5%	43,013,817	603,204,993	14.02	-	-	73,425,835	1.71	676,630,828	15.73
	Tota HFO	1116	13%	1,313,056,266	15,707,796,892	11.96	720,090,690	0.55	5,903,533,208	4.50	22,331,420,791	17.01
30	BHERAMARA POWER STATION	60	11%	57,982,306	1,690,472,490	29.15	167,265,707	2.88	236,523,733	4.08	2,094,261,930	36.12
31	BARISHAL GAS TURBINE POWER STATION	40	13%	46,521,650	1,566,990,283	33.68	34,307,513	0.74	106,678,457	2.29	1,707,976,253	36.71
32	BARISHAL DIESEL POWER STATION			(3,000)	565,129	(188.38)	10,565,962		62,436,767		73,567,858	
33	BHOLA DIESEL POWER STATION			-	-		258,210		11,638,082		11,896,292	
34	SAYEDPUR GAS TURBINE POWER STATION	20	19%	33,370,010	500,407,594	15.00	34,249,738	1.03	69,748,825	2.09	604,406,158	18.11
35	RANGPUR GAS TURBINE POWER STATION	20	15%	26,745,031	476,291,130	17.81	48,990,873	1.83	56,833,409	2.13	582,115,412	21.77
36	SAYEDPUR DIESEL GENERATOR			-	-		-		-		-	
37	THAKURGOAN DIESEL GENERATOR			-	-		-		-		-	
38	KUTUBDIA DIESEL GENERATOR	2	3%	401,914	6,930,113	17.24	4,262,010	10.60	4,511,773	11.23	15,703,895	39.07
39	SANDIP DIESEL GENERATOR	3	6%	1,464,335	30,213,231	20.63	3,747,427	2.56	8,164,160	5.58	42,124,818	
40	HATIYA DIESEL GENERATOR	2	13%	2,482,599	51,284,436	20.66	6,360,033	2.56	11,243,991	4.53	68,888,460	
41	DGD, Dhaka				484,710	1	1,502,244		45,008,832		46,995,786	
	Total Diesel	146	13%	168,964,845	4,323,639,116	25.59	311,509,717	1.84	612,788,029	3.63	5,247,936,862	
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Placing of floral wreath at Shahid Minar on International Mother Language Day & National Martyrs' Day



Placing of floral wreath at National Mausoleum on 16th December



A scene of Annual Drama organized by BPDB Sports and Cultural Committee



Annual Cultural Program-2017





