



ANNUAL REPORT 2020-21



Bangladesh Power Development Board



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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

It is a matter of great pleasure that Bangladesh Power Development Board (BPDB), the leading electricity utility of the country is going to publish its Annual Report for the financial year 2020-2021.

Electricity demand of Bangladesh has been increasing at an average pace of around 10% over the last decade. Bangladesh is now on the verge of coming under 100% electricity coverage. Bangladesh is a quick developing country. Increasing urbanization and development of rural areas raised the living standards of the people of the country. Bangladesh has already graduated to developing country from least developed country. The people are growing up with usage of various electronic devices in their daily life. Availability of electricity is playing a significant role in increasing GDP growth of the country though there had been many challenges in the said year due to COVID situation.

To sustain a higher GDP growth, electricity generation needs to be increased. So alongside public effort, private and public-private partnership has to play a significant role in power sector development and BPDB is working accordingly as a power producer and front liner in power sector. The diversification of technologies and resources, now applied in the power sector, creates many opportunities.

In order to improve power situation and ensure uninterrupted and reliable power supply, along with undertaking various measures, government ensured financing of 25 billion USD in power sector in the last 12 years.

During FY 2020-2021 notable progress was made in different areas of BPDB activities. During the year BPDB continued its effort to cope with the increasing demand of electricity by adding 2,180 MW new generation capacity, increasing the total generation capacity to 22,031 MW. Within this new capacity addition, contribution of BPDB was 1,552 MW (including contracted capacity of IPPs). During the year under report the highest peak generation was 13,792 MW and the total energy generation was 80,423 GWh, which was 8.27% and 12.61% higher respectively than the previous year. Besides, 32 new power generation projects of capacity 12,967 MW are now under construction.

In this fiscal year, Distribution system loss of BPDB also came down to 8.50% from 8.99% of previous year. As a part of digitalisation, BPDB has also introduced Enterprise Resource Planning (ERP) software to run the organisation smoothly and smartly. It is to be mentioned that during the said year BPDB has made a net profit of Taka 1.29 billion.

All these happened for management skill, sincerity of our employees and support of power division, IPPs and other stakeholders. Our commitment is to serve customers and communities with clean, reliable and fair-priced power.

I hope, the information provided in BPDB Annual Report 2020-2021 will help those who need it.

Md. Belayet Hossain
Chairman
Bangladesh Power Development Board





Hon'ble Prime Minister Sheikh Hasina inaugurating two power plants, 11 grid sub-stations, six transmission lines and 100% electrification of 31 Upazila of 18 Districts.



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Present Board

(October, 2021)



Md. Belayet Hossain
Chairman



SK Aktar Hossain
Member (Finance)



Md. Sayed Kutub
Member (Administration)



Md. Mahbubur Rahman
Member (Company Affairs)



Md. Ashraful Islam
Member (Generation)



Md. Shamsul Alam
Member (Distribution)



Dhurjjati Prosad Sen
Member (P & D)

About BPDB

Bangladesh Power Development Board (BPDB) is a statutory body established on May 31, 1972 by Presidential Order No. 59 after bifurcation of erstwhile Bangladesh Water and Power Development Authority. BPDB had started its operation with generation capacity of only 500 MW. In its 49 years' service, the installed capacity of the country increased to 22,031 MW (Installed capacity 25,235 MW including captive & off-grid renewable energy) at the end of the FY 2020-2021.

As a part of reform and sector restructuring process, transmission sector 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). Gradually, a number of generation and urban distribution companies were created as a subsidiary of BPDB. The subsidiaries of BPDB are:

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

BPDB also formed Joint Venture with other Organization/Company as part of continuous development of power sector. The JV with BPDB are:

- ☑ B-R Powergen Ltd. (BRPL) (JV of BPDB & RPCL).
- ☑ Bangladesh-India Friendship Power Company (Pvt.) Ltd. (BIFPCL) (JV of BPDB & NTPC, India).
- ☑ Bay of Bengal Power Company (Pvt.) Ltd. (BBPCL) (JV of BPDB & CHDHC, China).

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

- ☆ Generation of electricity from its own Power Plants.
- ☆ Power purchase from Public & Private Generation companies as a single buyer.
- ☆ Bulk sales of electricity to Utilities as a single buyer.

- ☆ Retail sales of electricity within its Four Distribution Zones.
- ☆ Preparation of Generation and Distribution Expansion Plan.
- ☆ Implementation of Generation & Distribution Projects as approved by the Government.

BPDB prepared generation expansion plan to add about 20,975 MW from 2021 to 2025 with the aim to provide quality and reliable electricity to all the 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 (2020-21) Chairman and Members of the Board:

Chairman

Mr. Md. Belayet Hossain

Member (Administration)

Mr. Md. Zahurul Haque (Upto 17.02.2021)

Mr. SK Aktar Hossain (From 17.02.2021 to 13.06.2021)

Mr. Md. Sayed Kutub (From 13.06.2021)

Member (Finance)

Mr. Selim Abed (Upto 09.02.2021)

Mr. SK Aktar Hossain (From 17.02.2021)

Member (Generation)

Mr. Md. Zakir Hossain (Upto 18.01.2021)

Mr. Md. Mahbubur Rahman (From 19.01.2021 to 10.02.2021)

Mr. Md. Ashraful Islam (From 11.02.2021)

Member (Distribution)

Mr. Mustaque Muhammad (Upto 04.07.2020)

Mr. ABM Abdullah (From 05.07.2020 to 29.10.2020)

Mr. Mustaque Muhammad (From 30.10.2020 to 31.10.2020)

Mr. Md. Mahbubur Rahman (From 01.11.2020 to 29.11.2020)

Mr. Ashutosh Roy (From 29.11.2020 to 11.02.2021)

Mr. Md. Shamsul Alam (From 11.02.2021)

Member (Planning & Development)

Mr. Mustaque Muhammad (Upto 30.11.2020)

Mr. Ashutosh Roy (From 01.12.2020)

Member (Company Affairs)

Mrs. Nurun Nahar Begum (Upto 26.11.2020)

Mr. Md. Mahbubur Rahman (From 29.11.2020)

HIGHLIGHTS

Power sector witnessed significant progress in power generation in the fiscal year 2020-21. During this fiscal year, 2,180 MW new generation capacity was added, which increased the total generation capacity to 22,031 MW and the annual increment of generation capacity was 8.09%. Out of this new capacity addition, BPDB installed 1,552 MW (including contracted capacity of IPPs) and the remaining 622 MW was installed by NWPGL, 622 MW was installed by BCPL (JV of NWPGL & CMC, China). The highest peak generation was 13,792 MW and the total energy generated was 80,423 GWh, which was 8.27% and 12.61% higher than the previous year respectively.

Electricity demand is increasing with the pace of economic development. In order to mitigate the demand-supply gap, an aggressive plan is prepared by the Government for new generation addition. As a part of the plan, 32 numbers of power generation projects of capacity 12,967 MW are now under construction. The plan envisages around 19,802 MW new generation addition by 2025.

In this fiscal year, BPDB sold bulk energy of Taka 76,323 million to the distribution utilities including BPDB's own distribution zones as single buyer, which was 12.79% higher than the previous year. Retail sales of BPDB's four distribution zones was Taka 11,489 million, which was 11.45% higher than the previous year. Distribution system loss (without 132 KV consumers) of BPDB came down to 8.50% from 8.99% of previous year. Collection/Import (C/I) ratio improved to 95.31% from 90.19%. Per capita generation and consumption (Grid) increased to 475 kWh & 422 kWh from 426 kWh & 378 kWh respectively of previous year.

The net profit in the FY 2020-21 is Taka 1.29 billion. In the last FY 2019-20 the net loss was Taka 0.09 billion. The main reason of the net profit in the FY 2020-21 is the subsidy from Government on accrual basis.

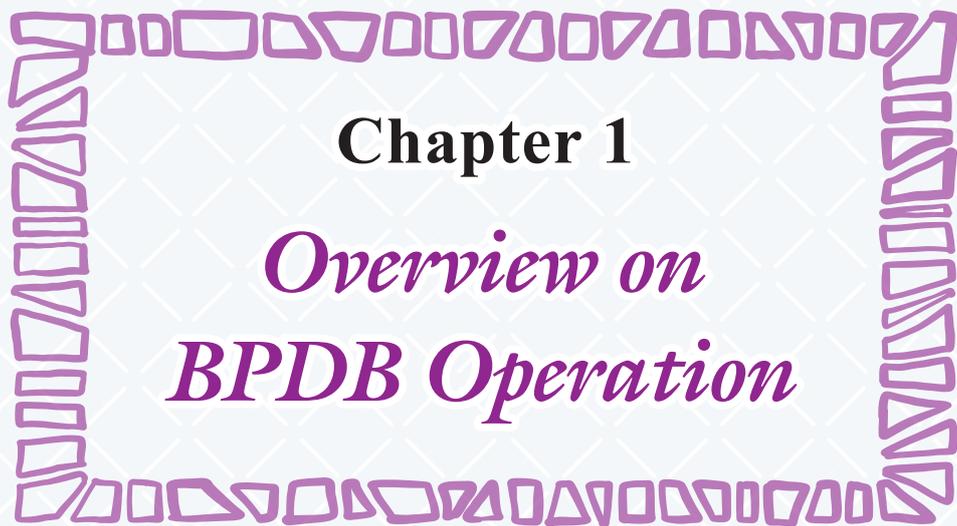
KEY STATISTICS

S.N.	Particulars	Year 2019-20	Year 2020-21	% Change over the previous year
1	Installed Capacity of Power Plants as of June (MW):			
	a) Public Sector			
	i) BPDB	5,590	6,013	7.57
	ii) APSCCL	1444	1,444	0.00
	iii) EGCB	957	957	0.00
	iv) RPCL	182	182	0.00
	v) NWPGL	1,395	1,401	0.43
	vi) B-R Powergen Ltd. (BRPL)	149	149	0.00
	vii) Joint Venture (BCPCL)	622	1244	100.00
	b) Private Sector :			
	i) IPP/SIPP	7,332	8,141	11.03
	ii) Rental	1,301	1,089	-16.30
	c) REB (for PBS's only)	251	251	0.00
	d) Power Import	1,160	1,160	0.00
	e) System Total Installed Capacity (MW)	20,383	22,031	8.09
2	Maximum Peak Generation (MW)	12,738	13,792	8.27
3	Maximum Peak Demand (MW)	13,300	14,500	9.02
4	Net Energy generation (GWh):			
	a) i) Public Sectors	35,316	31,916	-9.63
	ii) Joint Venture	901	3,812	323.13
	iii) Private Sectors (IPP, SIPP and Rental)	26,750	34,822	30.18
	iv) Power Import	6,674	8,103	21.41
	v) Total Generation (In account of Single Buyer)	69,641	78,653	12.94
	b) REB (for PBS's only)	1,778	1,770	-0.45
	c) System Total Generation (GWh)	71,419	80,423	12.61
5	Per Unit Generation Cost in Public & Private (Tk/Kwh)	5.91	6.61	11.84
6	a) Fuel Cost for Thermal Plants in Public Sector (MTk)	57,865	57,215	-1.12
	b) Per Unit fuel Cost for thermal Plants (Tk/KWh)	1.64	1.79	9.41
7	Annual Plant Factor of Public Sector's Power Plants (%)	45.9	39.8	-13.29
8	System load factor (%)	62.41	65.10	4.31
9	BPDB's Commercial Activities as Single Buyer :			
	a) Bulk Sales Unit to Utilities (GWh)	67,668	76,323	12.79
	b) Bulk Billing Amount (MTk)	339,988	401,345	18.05
	c) Bulk Collection Amount (MTk)	337,846	397,608	17.69
	d) Accounts Receivables to Utilities (MTk)	75,646	82,704	9.33
10	Transmission Loss (%)	2.93	3.07	4.78
11	Ave. Bulk Electricity Supply cost Taka/kWh	6.09	6.81	11.82
12	BPDB's Commercial Activities with in Distribution Zones :			
	a) Energy Imports for Retail Sale (MKWh)	11,120	12,309	10.70
	b) Retail Sales Unit (MKWh)	10,308	11,489	11.45
	c) Retail Billing Amount (MTk)	72,186	83,141	15.18
	d) Retail Collection Amount (MTk)	70,229	84,899	20.89
	e) Accounts Receivables to Retail Consumers (MTk)	16,503	15,466	-6.29
	f) Collection/Bill Ratio (%)	97.29	102.11	4.95
	g) Collection/Import Ratio (%)	90.19	95.31	5.68
	h) Distribution System loss (%) (at 33 kV)	8.99	8.50	-5.45
13	Transmission and Distribution (T & D) system Loss (%)	11.23	11.11	-1.07
14	Total Number of consumers of BPDB (Nos.)	3,236,886	3,451,534	6.63
15	Total Population in the Country (Million)	167.57	169.31	1.04
16	Per capita generation (kWh) (grid)	426	475	11.44
17	Per capita Consumption (kWh) (grid)	378	422	11.55
18	Net profit/(loss) (MTk)	(91.87)	1,292.75	1,507.18

Note : Maximum Demand is shown as per Power System Master Plan 2016.

Bibiyana (South) 400 MW Combined Cycle Power Plant





Chapter 1
*Overview on
BPDB Operation*

GENERATION

Electricity Demand

Demand of electricity is increasing rapidly due to enhanced economic activities in the country with sustained GDP growth. At present, growth of electricity demand is around 9-10%, which is expected to increase further in the coming years.

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 reason, 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 liquid fuel based power plants are required to put into operation during 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 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) holiday staggering is implemented to keep industries, markets & shopping malls close on area basis holiday marked day; (iii) consumers are encouraged to use energy efficient bulb, electric appliances, pumps, etc; (iv) consumers are encouraged to keep their air-conditioner's temperature at 25 degree and so on.

Generation

Generation Capacity

Total installed capacity was 22,031 MW, which includes 10,146 MW Public, 1,244 MW JV, 8,141 MW IPP/SIPP, 1,089 MW Rental Power Plant, 251 MW under REB (for PBS) and 1,160 MW power import from India. The maximum peak generation was 13,792 MW, which was 8.27% higher than the previous year. The installed capacity mix is shown below:

Installed Capacity by Plant & Fuel Type

By Type of Plant		By Type of Fuel	
Hydro	230 MW (1.04%)	Hydro	230 MW (1.04%)
Steam Turbine	3,268 MW (14.83%)	Gas	11,450 MW (51.97%)
Gas Turbine	1,211 MW (5.50%)	Furnace Oil	6,004 MW (27.25%)
Combined Cycle	7,933 MW (36.01%)	Diesel	1,290 MW (5.86%)
Reciprocating Engine	8,100 MW (36.77%)	Coal	1,768 MW (8.03%)
Solar PV	129 MW (0.59%)	Solar PV	129 MW (0.59%)
Power Import	1,160 MW (5.27%)	Power Import	1,160 MW (5.27%)
TOTAL	22,031 MW (100%)	TOTAL	22,031 MW (100%)

Energy Generation

Total net energy generation in FY 2020-21 was 80,423 MWh, which was about 12.61% higher than previous year's net generation of 71,419 MWh. Net energy generation in the public sector was 31,916 MWh, 3812 MWh from Joint Venture and 36,592 MWh in the private sector (including REB). Another 8,103 MWh was imported from India through the interconnection in Bheramara and Tripura.

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

Hydro	655	0.81%
Gas	48,403	60.19%
Furnace Oil	17,497	21.76%
Diesel	609	0.76%
Coal	4,997	6.21%
Renewable Energy	158	0.20%
Power Import	8,103	10.08%
Total	80,423 (GWh)	100%

Plant Efficiency and Maintenance

The overall thermal efficiency (Net) of the public-sector power plants in FY 2020-21 was 40.70%. In the previous year it was 39.72%.

List of major power plants under maintenance during FY 2020-21 is furnished below:

Maintenance of Power Plants In FY 2020-21

Sl. No.	Name of Power Station	Present Capacity (MW)	Type of Maintenance (HGPI/MI/OH)	Duration of Maintenance	
				Starting Date	Completion Date
1	Fenchuganj CCGP unit 2 (GT 4)	35	OH	01/03/2020	15/11/2020
2	210 MW Siddhirganj Thermal Power Station	210	OH	01/10/2019	Running
3	Kaptai Hydro-Unit 2	40	OH	01/12/2020	Running
4	Shahjibazar GTPP Unit 8 & 9	70	HGPI	25/03/2021	25/05/2021
5	Shikalbaha 150MW GT	150	CI	04/09/2020	06/09/2020
6	Rangpur 20MW GTPP	20	OH	28/12/2019	16/03/2021

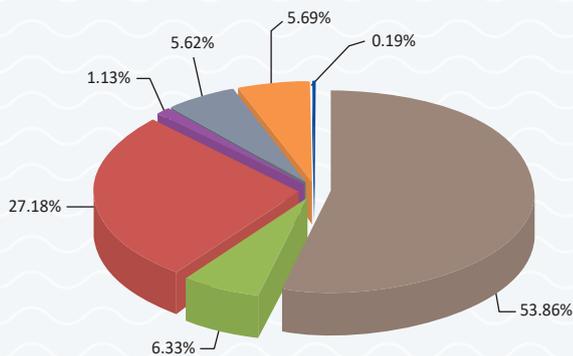


BPDB Chairman Engr. Md. Belayet Hossain visiting Ghorashal Power Plant.

Installed Capacity (National) By Fuel Type With Comparison

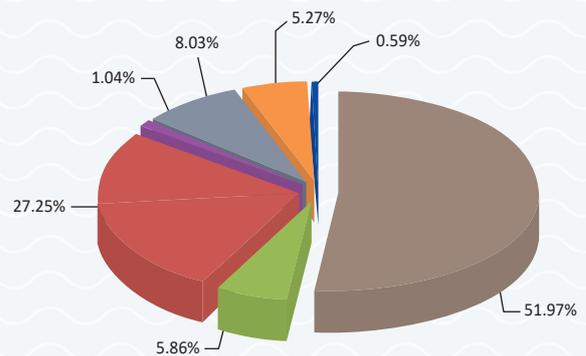


(FY 2019-20)



Total : 20,383 MW

(FY 2020-21)

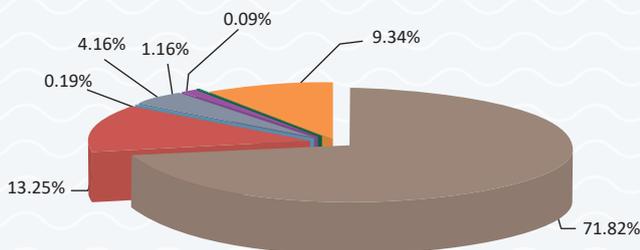


Total : 22,031 MW

Total Net Generation (National) By Fuel

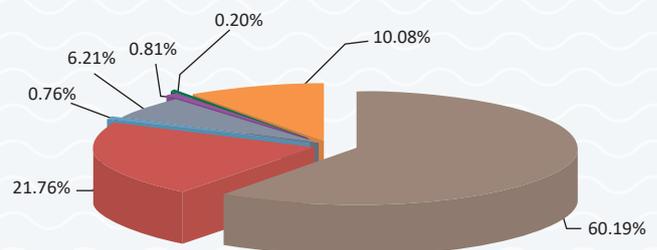


(FY 2019-20)



Total Net Generation : 71,419 MWh

(FY 2020-21)



Total Net Generation : 80,423 MWh

TRANSMISSION

Transmission Lines

During fiscal year 2020-21, a total length of 552.398 circuit kilometer transmission line added to the system through different projects. In the same period, transmission line length increased by 4.5% than that of previous year. The line details are as below:

S.N.	Transmission Line	Quantity (Ckt. Km.)
1	HVDC Bheramara-Bangladesh Border (Baharampur) 2nd 400kV double circuit line (Conductor: ACSR Twin Finch)	55.74
2	BSRM- Mirsarai 400kV double circuit line (Conductor: ACCC Quad Finch)	32.82
3	Bakerganj-Barguna 132kV single circuit line (Conductor: ACCC Grosbeak)	50.22
4	Gallamari- Gopalganj 132kV double circuit line (Conductor: ACSR Grosbeak)	103.6
5	Gopalganj - Madaripur 2nd Ckt stringing line(Conductor: ACSR Grosbeak)	45
6	Hasnabad-Keraniganj PP 132kV line re-routing at Keraniganj (Conductor: ACSR Grosbeak)	11.2
7	Keraniganj-Nawabganj 132kV double circuit line (Conductor: ACSR Grosbeak)	54.15
8	Keraniganj-Sreenagar 132kV double circuit line (Conductor: ACSR Grosbeak)	31.71
9	Bagerhat-Mongla 132kV double circuit line (Conductor: ACSR Grosbeak)	57.14
10	Baghabari-Bangura 132kV double circuit line (Conductor: ACSR Grosbeak)	49.68
11	LILO of Rangpur-Palashbari 132 double circuit line at Mithapukur	2.2
12	LILO of Khulshi – Haliashahar 132kV single circuit line at Rampur (Conductor: 800 sq. mm)	5.55
13	Rampur-Agrabad 132kV single circuit line (Conductor: 800 sq. mm)	4.54
14	LILO of Shyampur-Haripur 132kV double circuit line at Fatullah (Conductor: 800 sq. mm)	3.6
15	Dhaka University (DU)- Dhanmondi 132kV double circuit line (Conductor: 500 sq. mm)	4.2
16	Maniknagar-Kazla 132kV double circuit line (Conductor: 800 sq. mm)	5.0
17	Purbachal-Basundhara double circuit line (Conductor: 800 sq. mm)	9.462
18	Banani-Basundhara double circuit line (Conductor: 800 sq. mm)	26.586
	Total	552.398 ckt.km

Total length of 400 KV transmission line increased to 950.14 circuit km from the previous year of 861 circuit km. The total length of 230 kV transmission line is 3,658 circuit km that is remain same as previous year. The total length of 132 kV transmission line increased to 8,227.8 circuit km from the previous year of 7764 circuit km.

Grid Sub-stations

During fiscal year 2020-21, transmission grid substation capacity also increased due to completion of new sub-stations and augmentation of existing grid substation. At the end of fiscal year 2020-21, grid capacity increased by 13% at different voltage level. The details of substations capacity are as below:

New Sub-stations

S.N.	Name of Sub-station	Transformer Capacity
1	Keraniganj 230/132kV	900 MVA
2	Rampur 230/132kV	600 MVA
3	Ghorasal Switching 230kV	-
4	Agrabad 132/33kV	240 MVA
5	Bhangura 132/33kV	150 MVA
6	Barguna 132/33kV	150 MVA
7	Kachua 132/33kV	150 MVA
8	Keraniganj 132/33kV	150 MVA
9	Mithapurkur 132/33kV	150 MVA
10	Dhaka University (DU) 132/33kV (DPDC)	240 MVA
11	Fatullah 132/33kV (DPDC)	240 MVA
12	Kazla 132/33kV (DPDC)	240 MVA
13	Banani 132/33kV (DESCO)	240 MVA
14	Purbachal 132/33kV (DESCO)	240 MVA

Augmentation of Existing Sub-station Capacity

S.N.	Name of Sub-station	Transformer Capacity
1	Rajshahi(N) 230/132kV	300 MVA
2	Fenchuganj 230/132kV (Currently used in Kaliakoir Grid)	300 MVA
3	Barapukuria 132/33kV	34 MVA
4	Bheramara 132/33kV	41 MVA
5	Chowmuhani 132/33kV	90 MVA
6	Gopalganj 132/33kV	79 MVA
7	Joydebpur 132/33kV	-25 MVA
8	Niamatpur 132/33kV	41 MVA
9	Purbasadipur 132/33kV	-20 MVA
10	Rajendrapur 132/33kV	120 MVA
11	Satkhira 132/33kV	41 MVA
12	Sherpur 132/33kV	50 MVA
13	Srimangal 132/33kV	21 MVA
14	Tongi 132/33kV	-25 MVA
15	Bashundhara 132/33kV (DESCO)	135 MVA
16	Uttara 132/33kV (DESCO)	210 MVA

Transmission Line Re-conductoring

S.N.	Transmission Line	Quantity (Ckt. Km.)
1	Kabirpur-Kaliakoir-Tangail 132kV 2nd Circuit Transmission Line (New Conductor: ACCC Grosbeak)	59.56
2	Feni-Baroirhat-Korerhat 132kV single Circuit Transmission Line (New Conductor: ACCC Grosbeak)	32.00

Transmission Summary

S.N.	Transmission Line Type	Circuit km	S. N.	Sub-station Type	No of Sub-station	Capacity (MVA)
1	400 kV Transmission Line	950.14	1	400 kV HVDC Sub-station (MVA)	1	1,111
2	230 kV Transmission Line	3658	2	400/230 kV Sub-station Capacity (MVA)	4	3,770
3	132 kV Transmission Line	8227.8	3	400/132 kV Sub-station Capacity (MVA)	2	1300
Total Transmission Line		12835.94	4	230/132 kV Sub-station Capacity (MVA)	31	16,085
Transmission Loss (%)		3.07 %	5	132/33 kV Sub-station Capacity (MVA)	156	29,204
			Total		194	51,470

Grid System Operation

In the FY 2021, total duration of power interruption in the grid network was 167 hours 04 minutes.

Interruption of National Grid for FY 2020 & FY 2021

S.N.	Type of Fault	Total Number of Faults		Total Duration	
		FY 2020	FY 2021	FY 2020 Hours/ Minutes	FY 2021 Hours/ Minutes
1	Partial Power failure due to trouble in generation	162	256	0	0
2	Partial Power failure due to trouble in grid S/S Equipment	29	98	33/15	146/29
3	Partial Power failure due to fault in transmission line	11	11	14/45	13/39
4	Partial Power failure due to the lightning on transmission line/Thunder Storm	00	00	00/00	00/00
5	Partial Grid failure	02	03	00/44	06/56
6	Total Grid failure	00	00	00/00	00/00
Total		204	368	48/44	167/04

Bulk Electricity Sales by BPDB

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

- * 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 the FY 2020-21, bulk electricity sales to the distribution utilities increased to 76,323 M kWh from 67,667.79 M kWh, which is 12.79% higher than the previous year. Total revenue collection also increased to Taka 3,97,608 million from Taka 3,37,846 million, which is 17.69% higher than the previous year.

Utility Wise Billing & Collection Statistics of BPDB

Name of Utility	Billed Amount (Million Tk)		Collected Amount (Million Tk)		Accounts Receivable (Million Tk)			Coll/Bill Ratio (%)	
	2019-20	2020-21	2019-20	2020-21	2019-20	2020-21	% increase over the previous year	2019-20	2020-21
BPDB	72,186	83,141	70,229	84,899	16,503	15,466	-6.29	97.29	102.11
WZPDCL	17,319	19,791	17,248	19,750	1,751	1,861	6.30	99.59	99.80
DPDC	55,233	62,459	54,824	62,017	40,381	40,804	1.05	99.26	99.29
DESCO	33,561	37,172	33,590	36,827	3,246	3,590	10.62	100.09	99.07
REB/PBS's	143,227	177,372	143,560	171,750	27,238	34,372	26.19	100.23	96.83
NESCO	18,462	21,411	18,395	22,365	3,031	2,077	-31.48	99.64	104.46
TOTAL	339,988	401,345	337,846	397,608	92,149	98,170	6.53	99.37	99.07



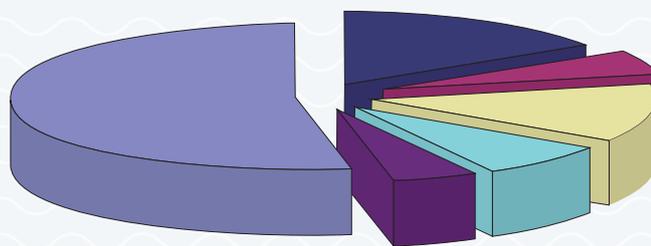
Monthly coordination meeting of power sector entities presided over by Mr. Nasrul Hamid MP, Hon'ble State Minister for Power, Energy & Mineral Resources.

Utility wise Bulk Energy Sales by BPDB as Single Buyer

In M kWh

Year	BPDB zones	NESCO	DPDC	DESCO	WZPDCL	REB	Total
2004-05	5,993	-	5,135	1,843	389	7,039	20,398
2005-06	5,180	-	5,316	2,030	1,373	8,062	21,961
2006-07	5,305	-	5,243	2,191	1,282	8,040	22,061
2007-08	5,626	-	5,204	2,574	1,375	8,655	23,433
2008-09	6,042	-	5,449	2,743	1,491	9,032	24,757
2009-10	6,744	-	5,749	2,934	1,673	9,525	26,626
2010-11	7,338	-	5,964	3,123	1,843	10,359	28,627
2011-12	8,136	-	6,340	3,401	2,029	12,537	32,443
2012-13	8,737	-	6,593	3,726	2,187	14,222	35,466
2013-14	9,597	-	7,038	4,067	2,394	16,161	39,256
2014-15	10,486	-	7,402	4,320	2,574	17,835	42,616
2015-16	12,159	-	8,047	4,795	2,843	21,051	48,895
2016-17	11,024	2,486	8,424	4,980	3,013	23,989	53,916
2017-18	10,537	3,645	8,819	5,248	3,208	27,765	59,221
2018-19	11,400	3,917	9,404	5,604	3,490	32,730	66,547
2019-20	11,120	3,935	9,085	5,423	3,452	34,652	67,668
2020-21	12,309	4,221	9,746	5,762	3,680	40,605	76,323

Utility Wise Bulk Sales (FY 2020-21)



BPDB	16.13%
NESCO	5.53%
DPDC	12.77%
DESCO	7.55%
WZPDCL	4.82%
REB	53.20%

Total Sales : 76,323 M kWh

DISTRIBUTION

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

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

Distribution Network & Commercial Summary

In the FY 2020-21, BPDB has extended about 1,595 numbers. distribution transformer with 358 MVA capacity as a part of continuous improvement of the system. BPDB covers electrification in 204 thanas/upazillas and 6,470

villages within its four distribution zones up to the end of this fiscal year. The summary of distribution networks and commercials from FY 2013-14 to FY 2020-21 is given below:

Distribution Network Summary

Particulars	Unit	2013-14	2014-15	2015-16	* 2016-17	2017-18	2018-19	2019-20	2020-21
33/11 KV sub-station	Nos	153	161	183	130	132	133	137	151
Capacity 33/11 KV substation	MVA	2924/3638	3103/3980	3593/4694	2623/3390	2863/3698	3082/3978	3304/4221	3621/4628
33 KV Line	Km	3759	3905	4194	3404	3418	3654	3706	3605
11 KV line	Km	13242	13806	14112	9436	9577	10742	10973	11768
0.4 KV line	Km	21933	22892	23614	16979	17071	18592	18962	20168
Distribution Transformer	Nos	-	21059	21875	16630	19512	22020	24012	25607
Capacity Distribution Transformer	MVA	-	3539	3674	2829	3376	3948	4499	4857
Maximum Demand Served	MW	-	-	1973	1997	1624	1863	1876	1923

Distribution Commercial Summary

Particulars	Unit	2013-14	2014-15	2015-16	* 2016-17	2017-18	2018-19	2019-20	2020-21
Energy import	MkWh	9597	10486	12159	11024	10537	11400	11120	12309
Energy sale (without bulk consumer)	MkWh	8429	8791	9667	8063	7685	8240	8191	8825
Energy sale (with bulk consumer)	MkWh	8456	9315	10820	10002	9694	10573	10308	11489
System loss (without bulk consumer)	%	11.89	11.17	10.66	10.92	9.89	9.12	8.99	8.50
System loss (with bulk consumer)	%	11.89	11.17	12.16	9.27	8.00	7.26	7.30	6.66
C.I Ratio	%	83.23	85.29	85.34	89.94	92.13	92.87	90.19	95.31
C.B Ratio	%	94.46	96.02	95.90	99.13	100.14	100.15	97.29	102.11
Consumer number	Nos	2901309	3157104	3457263	2526682	2801951	3046257	3236886	3451534
Accounts receivable	Million taka	11947	14755	18696	13999	13440	14284	16503	15466

* Due to handover of Rajshahi and Rangpur Zone to NESCO.

Customer's Service & Satisfaction

BPDB has introduced following services for customer satisfaction:

✎ Computerized Billing System	✎ Bill On Web	✎ Demand Side Management
✎ Easy Bill Pay	✎ BIDA OSS Service	✎ ERP
✎ One Stop Service	✎ Pre-paid Metering	✎ Innovation of BPDB
✎ Online Application	✎ Supervisory Control and Data Acquisition (SCADA) System	

Computerized Billing system

BPDB has brought 100% consumers under computerized billing system in its four distribution zones namely Chattogram, Cumilla, Mymensingh and Sylhet. BPDB prepare their postpaid consumer bill through nine computer centers. Each computerized bill shows present month's billing amount along with previous month's payment and arrear status for consumers' acknowledgement. It improves billing system, revenue collection, decreases system loss and ensures better

service to the consumers than the previous manual one. BPDB prepares approximately 21 lakhs post-paid customers bill monthly. These bills are prepared by nine computer centers of BPDB.

In the Snapshot Meter Reading System, meter readers move from door to door to collect the meter reading by taking picture of the meter and sending it to billing database. This snapshot ensures more accuracy in the data collection system.

Easy Bill pay

BPDB has introduced easy bill pay system for their consumer through mobile phone in its four distribution zones- Chattogram, Cumilla, Mymensingh and Sylhet. Consumers can pay their electricity bill through prescribed mobile phone operator at anytime, even in holidays. For the benefit of customers, recently DBBL got approval to include in easy bill pay system. In all of these zones, mobile operators (GP, Robi) and bKash are active for easy bill pay system.

One Stop Service

In order to provide hassle free service for its consumers, BPDB has introduced one stop service in each Sales & Distribution Division/Electric Supply Unit. 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 address the grievance.

Online Application

BPDB has introduced on line application facilities for new connection in its four distribution zones. Any applicant can apply round the clock for new connection from the website of BPDB.

Bill on Web

Bill on Web feature has made it possible for the consumers to download their billing history from BPDB's website. Consumers can get bills on the web from digital services in BPDB's home page. After giving 'customer no' and 'location code' in the bill information menu, customer

can see his detailed information. Now, consumers do not need to wait for a hard copy. Consumers can print their bill from Bill on Web software and pay the bill through different payment methods.

BIDA OSS Service

BIDA (Bangladesh Investment Development Authority) takes initiative for their investors to take electricity connection in an easy way. For this reason a MOU was signed between BIDA (Bangladesh Investment Development Authority) and BPDB (Bangladesh Power Development Board). Investors of BIDA in industries can apply for new electricity connection online through BIDA OSS platform. All the process are performed through

online and consumer receive SMS in every step of this connection and take initiative. The payment process of this connection is fully online based. Consumers do not need to go to the BPDB Sales and Distribution office for this connection issue. At first, consumers have to complete registration and then they can apply through BIDA for a new connection of electricity.

Pre-paid Metering

The conventional postpaid billing method involves a group of meter readers taking reading from the postpaid meter installed at consumer's premises and then sending this reading to the computer center. Electricity bill is prepared based on these readings and then the bill is distributed to the consumers' premises. This is a very time consuming job and requires a lot of manpower. Although, the accuracy of these bills cannot be guaranteed as there are several scopes of human errors. Another aspect with this system is that the consumers have to pay after consumption of electricity. So, they may not pay the bills in due time, which creates financial issues for the distribution utilities.

To solve all these problems, prepaid metering system has been introduced in BPDB.

Benefits for Customers	Benefits for Utility
<ul style="list-style-type: none"> • No average billing, no estimated billing • Better budget, reduced consumption • No hassles with bill payment waiting in a queue • No billing inaccuracies & amendments • No minimum charge • No disconnection/reconnection fees for dues • No security deposit required for prepaid meter new connection • 24/7 service • 1% rebate on each vending • Low credit warning/friendly hour/emergency credit/weekend/holiday • Grow power saving attitude while monitoring regular power consumptions. 	<ul style="list-style-type: none"> • No meter readers & bill distributors. • Lower overheads expenses (Meter reading, MRS Fill up, Bill distributing, DCS collecting, data entry etc). • Advance revenue collection, no outstanding and improved cash flow. • Actual demand due to non-allowance of over sanctioned load. • Saving transformers from overloading. • Decreased non-technical losses. • Avoid non-payment problems. • No disconnection /reconnection. • More time for engineers to work on Distribution System Development. • Tamper detection by sensors. • System loss reduction. • Better load management by Demand Side Management (DSM). • Automated record keeping.

Third Party Vending System

In the traditional system, prepaid customers have to go to particular Utility Vending Station (UVS) physically within office hour i.e. 10am to 4pm to purchase prepaid energy Token. Customer pays in cash to vending cash counter and receives a printed copy of prepaid energy token or a smart card, which is usable only for that particular prepaid meter number. Then customers come back to home and finally insert the printed token in the keypad meter by pressing keys. Meter accepts only valid token and displays the recharged amount. Unified prepayment System generates prepaid

energy token only in vending stations. This system requires huge numbers of vending stations to deal with huge number of consumers, which needs large manpower for operation. The system need to operate huge amount of cash in the vending station every day. Vending is not possible without going to Vending Station and after office hour.

BPDB introduced Third Party Vending System to make the prepaid metering vending more secure, consumer friendly and cost effective. To attain this goal, BPDB appointed Grameenphone, Robi & bKash who work to provide vending service to the prepaid meter consumer of BPDB through Mobile USSD and mobile Apps.

The main objectives of Third Party Vending System are:

- | | |
|--|--|
| <ul style="list-style-type: none"> △ Vending at 24X7 manner from anywhere; △ Reduce costing for setting up huge number of vending stations; △ Improve customer services; △ Make the system easy and transparent; | <ul style="list-style-type: none"> △ Improve and secure cash flow; △ Modernize & Digitalize of Pre-paid Metering System; △ Make the system sustainable; △ Make the system user friendly. |
|--|--|

Smart Metering System

Smart Metering System provides utilities with the ability to monitor and control the meters at consumer end remotely. Now BPDB is focusing on installing smart

meters to ensure better quality service to consumer. Smart meters have benefits for both consumer and utility. The main advantages of smart meters are as follows:

Benefits for End Consumer	Benefits for Utility
<ul style="list-style-type: none"> • Recharge automatically. • Consumers can see remotely historical data or real time data, remotely 	<ul style="list-style-type: none"> • Reduce labor cost by remote configuration and operation on device in batch such as update tariff, holiday, friendly hour, remote firmware upgrade. • Reduce line loss by automatic & on demand meter data reading, remote load connect/disconnect, remote monitoring of device status. • Effective load management. • Critical and non-critical reporting functionality

BPDB Pre-Paid at a Glance

BPDB runs two different prepayment metering systems named Unified Prepayment Metering System and STS Pre-paid System. The percentages of prepaid consumers in BPDB's different zones are given below:

SL No.	Zone	Pre-paid Coverage (%) In Ratio of Total Consumer
1	Chattogram	42.54 %
2	Cumilla	27.85 %
3	Mymensing	33.77 %
4	Sylhet	46.10 %
	Total	37.35 %

SCADA

BPDB has engaged Consultants to implement Supervisory Control And Data Acquisition (SCADA) system in its four distribution zones(Chattogram, Sylhet, Mymensingh & Cumilla) for system control and data acquisition of the distribution system/networks under it from one point of each zone through microwave link. BPDB also has a plan to set up one SCADA in Dhaka to monitor/control all SCADA of BPDB centrally. Key functions of SCADA are:

- o 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.
- o 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 a smart manner.
- o 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.
- o Preparing power supply, demand, load shedding, line shut-down, etc. report for any specified span of time as required by the authorities concerned for system planning.
- o Load management matching with the power generation as per instructions of NLDC or authority concerned in order to keep the overall system healthy.
- o 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:

- o 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.
- o 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.
- o As part of demand side management program, BPDB has taken steps to use CFL in BPDB's offices and also taken measures to motivate consumers to use energy efficient lamps.
- o Industries operating in two shifts are being requested not to operate during peak hours.
- o Holiday staggering for industries has been implemented, which contributes about 200 MW load shifting.
- o Load Management Committee has been formed in every distribution zone/circle/division to monitor the proper load distribution during irrigation.

Enterprise Resource Planning (ERP)

Power Division has taken proactive programs to carry forward the Vision 2021 of the government, utilizing the benefit of information and communication technology. In line with the concept of corporate management, Power Division is implementing Enterprise Resource Planning

(ERP) software in all its utilities. As a nodal organization of the sector, Bangladesh Power Development Board has crafted its strategies to implement ERP software in all its offices including projects.

By this time, BPDB has introduced Enterprise Resource Planning (ERP) software in its business process. At present, four modules of ERP namely Human Resources & Payroll, Procurement, Fixed Asset and Financial Management modules are introduced. For successful and sustainable implementation

of ERP, BPDB has formed module based Virtual ERP Cell. BPDB has taken initiatives to expand the scope of ERP software with the passage of time and need. With this new technology, it is expected that in the coming days BPDB will be able to deliver better services to its stakeholders.

Innovation of BPDB

BPDB has an innovation team whose task is to compile an annual innovation work-plan of BPDB. This team arranges regular meetings and shortlists innovation ideas to be implemented in a fiscal year. BPDB has been participating

in innovation show-casing every year arranged by Power Division. Since 2017, every year, new ideas and innovations are implemented in BPDB. Some of the innovations of BPDB in the past years are as below:

Year	Innovation List
2017-18	Up-gradation of Online New Connection Software for quick electricity connection to the customers.
2018-19	Pension Management System for employees who are in PRL. Providing customers profile information online.
2019-20	Piloting spot billing and spot collection software.
2020-21	HT consumer connection by One Stop Service.

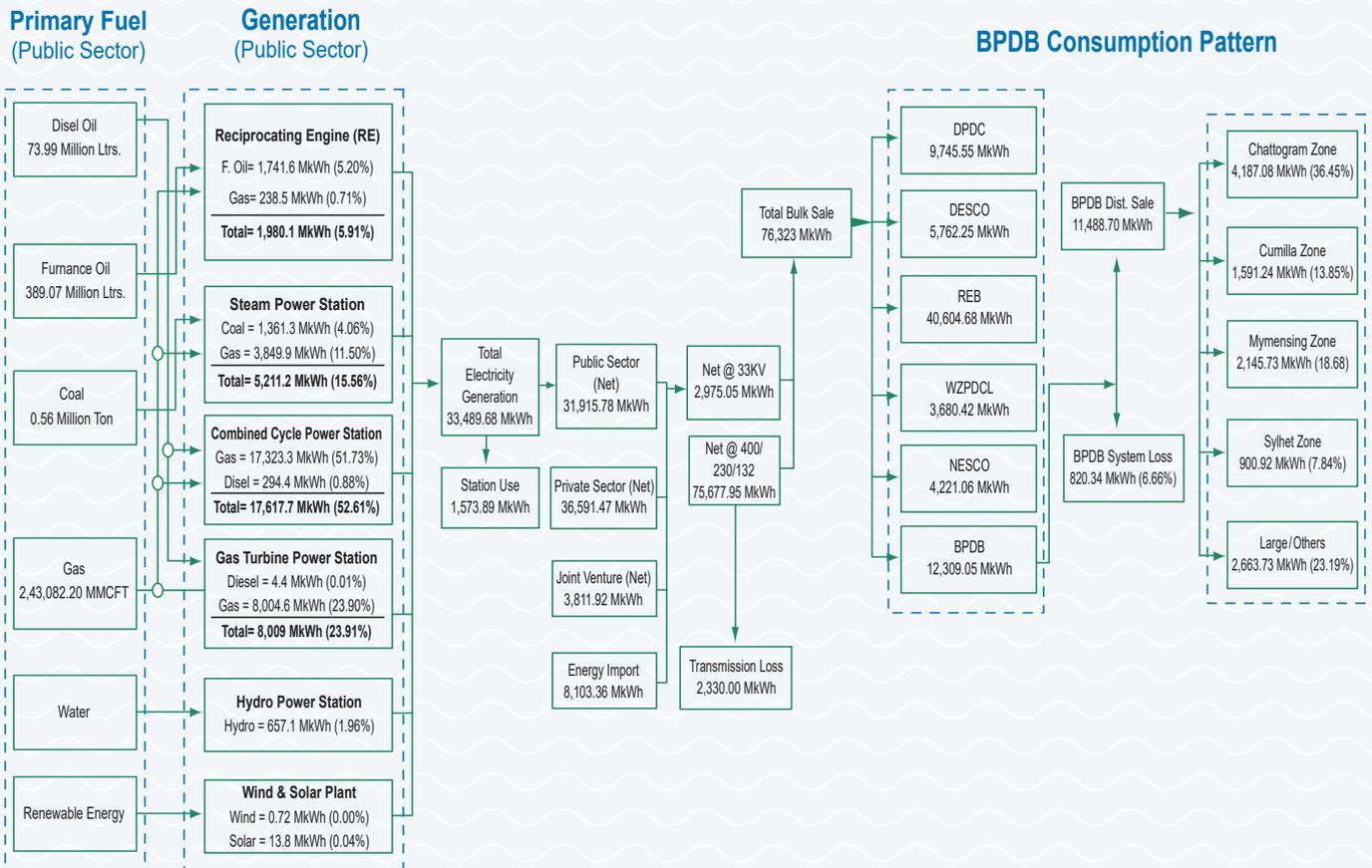


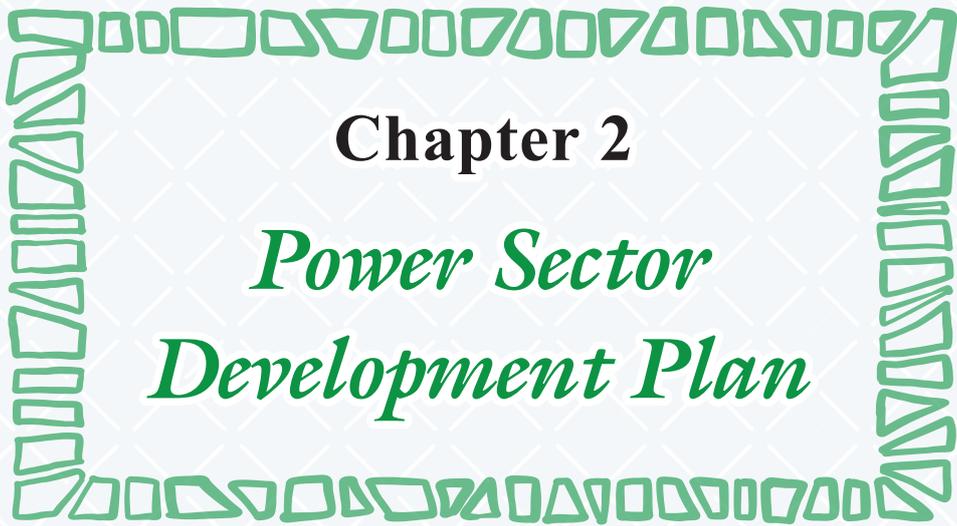
A meeting on implementation of Enterprise Resource Planning (ERP) in BPDB.



Handing over of ISO 45001:2018 Certificate to BPDB Chairman by Bureau Veritas.

ENERGY FLOW CHART (FY 2020-21)





Chapter 2
*Power Sector
Development Plan*

POWER SECTOR OF BANGLADESH

Present Power Scenario

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

Present installed generation capacity in public, private, joint venture & import sector is 22,031 MW. Out of this, public sector possesses 10,146 MW (46%), private sector 9,481 MW (43%), joint

venture 1,244 MW (6%) & import 1,160 MW (5%). 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. In this fiscal year, maximum generation is 13,792 MW on 27th April, 2021. At present, 99.5% of the total population has access to electricity and per capita generation is 560 kWh (including captive and renewable energy). 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 economic growth.

Long Term Power Generation Plan

A long-term electricity generation plan has been incorporated in the PSMP 2016. Under the plan, generation capacity requirement in 2030 will be 30,000 MW against the demand of 27,000 MW and in 2041, generation capacity will be 57,000 MW against the demand of 51,000 MW. Around 35% power will be generated from coal and 35% will be generated from Gas/LNG, out of the total generation capacity of 57,000 MW in 2041.

Implementation Status of Power Generation Plan up to 2025

Till now, generation from gas is much higher, in comparison to other conventional fuel like hydro, coal etc. 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 mitigating the growing demand to reach the

generation capacity 24000 MW by 2021. Under this plan, the coal (indigenous or imported), imported power from neighboring countries, the limited domestic gas, nuclear power and LNG, renewable will be used for power generation. Government has also taken energy efficiency and conservation program for the reduction of growing power demand.

Revised generation expansion plan updated in January 2021 targeting about 19,802 MW generation additions from 2021 to 2025 is provided in the table below:

Year Wise Generation Projects to be Completed (From 2021 to 2025)

Year	2021 (MW)	2022 (MW)	2023 (MW)	2024 (MW)	2025 (MW)	Total
Public	1718	755	1,292	4,458	775	8,998
Joint Venture	0	1,320	1,320	2,520	0	5,160
Private	865	2,698	718	1,040	0	5,321
Power import	0	1,496	0	0	0	1,496
Total	2,583	6,269	3,330	8,018	775	20,975

Under Construction & Tendering Process Projects

Under the above plan, 32 projects of capacity 12,967 MW are now under construction stage, 22 projects of capacity 3,404 MW are now in the singing process (LOI & NOA are given) and 7 projects of capacity 333 MW are now in tendering process. The under construction, singing (LOI & NOA are given) and tendering process projects will be implemented in phase during the period 2021-2026.

Under Construction Projects

S.N.	Description	No. of Projects	Capacity (MW)
01	Public Sector	11	4,338
02	Joint Venture	3	3,731
03	IPP	18	4,898
	Total	32	12,967

Projects under Signing Process (LOI & NOA are given)

S.N.	Type of Power Plant	Power Plant No.	Installed Capacity (MW)
01	Public	1	438
02	Joint Venture	1	100
03	Private	20	2,866
	Total	22	3,404

Projects under Tendering Process

S.N.	Type of Power Plant	Power Plant No.	Installed Capacity (MW)
01	Public	1	1
02	Joint Venture	2	132
03	Private	4	200
	Total	7	333

Transmission and 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 12,835 km (Circuit Km) transmission lines and 6,12,310 Km distribution lines have been connected to power system network.

Bangladesh-India Regional Grid first Interconnection project has already been established and now 1,160 MW power is being imported. Since 2013, 500 MW power is being imported from Bohorampur, India to Bheramara, Another 100 MW power is being imported from Tripura, India to Cumilla from March, 2016, Another 60 MW power is being imported from the same point from July, 2017 and

through Bohorampur-Bheramara line another 500 MW is imported from September, 2018. Another 1,496 MW power will be imported from Jharkhand, India by 2022. BPDB also planned to import 500 MW power from Nepal by 2026.

To strengthen transmission and distribution system, plans are being prepared to construct additional 5,346 ckt km transmission line 46,604 MVA capacity-based grid sub-station, 85 thousand km new distribution line and related distribution substation by 2025.

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

A total of 10 generation and 9 distribution projects were undertaken in the Revised Annual Development Program (RADP) in the FY2020-21. Original Allocation, Revised Allocation & Expenditure incurred (provisional) in the FY2020-21 are shown in the following table.

(Taka in lakh)

Sub-sector	Original ADP FY 2020-21			Revised ADP FY 2020-21			Expenditure incurred FY 2020-21		
	Total	Local (own fund)	Foreign	Total	Local (own fund)	Foreign	Total	Local (own fund)	Foreign
Generation (without own funded projects)	219611	25815	193796	192514	9214	183300	193557	8879	184678
Generation (including own funded projects)	294111	25815 (74500)	193796	292235	9214 (99721)	183300	273888	8879 (80331)	184678
Transmission	-	-	-	-	-	-	-	-	-
Distribution	170685	164285	6400	146700	146700	0	115450	115450	0
TAPP	-	-	-	-	-	-	-	-	-
Total (without own funded projects)	390296	190100	200196	339214	155914	183300	309007	124329	184678
Total (including own funded projects)	464796	190100 (74500)	200196	438935	155914 (99721)	183300	389338	124329 (80331)	184678



Chairman BPDB Engr. Md. Belayet Hossain inaugurating newly built Oxygen 33/11 kV Sub-station (Left) and Ononnaya 33/11 kV Sub-station (Right) at Chattogram.

Year Wise Commissioning Status of Generation Projects

Projects commissioned in 2010

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
Public Sector					
1.	Shikalbaha 150 MW Power Plant	150	BPDB	Gas	18 August, 2010
2.	Siddhirganj 2x120 MW GTPP	105	EGCB	Gas	14 October, 2010
Sub Total (Public)		255			
Private Sector					
3.	Ashuganj Rental Power Plant	55	Rental (BPDB)	Gas	7 April, 2010
4.	Shikalbaha 55 MW Rental Power Plant	55	Rental (BPDB)	HFO	6 May, 2010
5.	Thakurgaon, 3 Years Rental PP	50	Rental (BPDB)	HFO	2 August, 2010
6.	Ghorashal quick rental PP	145	Rental (BPDB)	Gas	23 August, 2010
7.	Khulna quick rental PP	55	Rental (BPDB)	Diesel	10 August, 2010
8.	Pagla, Narayaganj quick rental PP	50	Rental (BPDB)	Diesel	24 November, 2010
9.	Bheramara 3 Years Rental PP	110	Rental (BPDB)	Diesel	31 December, 2010
Sub Total (Private)		520			
Total		775			

Projects commissioned in 2011

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
Public Sector					
1.	Ashuganj 50 MW Power Plant	53	APSCL	Gas	30 April, 2011
2.	Baghabari 50 MW Peaking PP	52	BPDB	HFO	29 August, 2011
3.	Gopalganj 100 MW Peaking PP	109	BPDB	HFO	29 September, 2011
4.	Fenchuganj 90 MW CAPP	104	BPDB	Gas	26 October, 2011
5.	Bera 70 MW Peaking PP	71	BPDB	HFO	28 October, 2011
6.	Titas, Doudkandi 50 MW Peaking PP	52	BPDB	HFO	29 October, 2011
7.	Faridpur 50 MW Peaking PP	54	BPDB	HFO	3 November, 2011
8.	Hathazari 100 MW Peaking PP	98	BPDB	HFO	23 December, 2011
9.	Sangu, Dohazari 100 MW Peaking PP	102	BPDB	HFO	30 December, 2011
10.	Siddhirganj 2x120 MW Peaking PP	105	EGCB	Gas	31 December, 2011
Sub Total (Public)		800			

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
Private Sector					
1.	Siddhirganj quick rental PP	100	Rental (BPDB)	Diesel	17 February, 2011
2.	B Baria quick rental PP	70	Rental (BPDB)	Gas	06 March, 2011
3.	Modanganj quick rental PP	102	Rental (BPDB)	HFO	01 April, 2011
4.	Meghnaghat quick rental PP	100	Rental (BPDB)	HFO	08 May, 2011
5.	Ghorashal quick rental PP	78	Rental (BPDB)	Gas	27 May, 2011
6.	Noapara quick rental PP	40	Rental (BPDB)	HFO	28 May, 2011
7.	Ashuganj quick rental PP	80	Rental (BPDB)	Gas	31 May, 2011
8.	Khulna quick rental PP	115	Rental (BPDB)	HFO	01 June, 2011
9.	Ashuganj quick rental PP	53	Rental (BPDB)	Gas	22 June, 2011
10.	Siddhirganj quick rental PP	100	Rental (BPDB)	HFO	21 July, 2011
11.	Noapara, Jashore (5 Years Rental) PP	105	Rental (BPDB)	HFO	26 August, 2011
12.	Bogura 3 Years quick rental PP	20	Rental (BPDB)	Gas	13 November, 2011
Sub Total (Private)		963			
Total		1763			

Projects commissioned in 2012

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
Public Sector					
1.	Chandpur 150 MW CC Power Plant	163	BPDB	Gas	3 March, 2012
2.	Sylhet 150 MW Power Plant	142	BPDB	Gas	28 March, 2012
3.	Gazipur 50 MW PP	52	RPCL	Gas/HFO	7 July, 2012
4.	Santahar 50 MW Peaking Power Plant	50	BPDB	HFO	7 December, 2012
5.	Katakhalı 50 MW Peaking Power Plant	50	BPDB	HFO	17 December, 2012
6.	Sirajganj 150 MW GTPP	150	NWPGCL	Gas/HSD	31 December, 2012
Sub Total (Public)		607			
Private Sector					
1.	Amnura, Chapainawabganj Power Plant	50	Rental (BPDB)	HFO	13 January, 2012
2.	Fenchuganj 3 Years Rental Power Plant	44	Rental (BPDB)	Gas	15 February, 2012
3.	Julda, Chattogram Power Plant	100	Rental (BPDB)	HFO	26 March, 2012
4.	Keraniganj Power Plant	100	Rental (BPDB)	HFO	27 March, 2012
5.	Katakhalı, Rajshahi Power Plant	50	Rental (BPDB)	HFO	23 May, 2012
Sub Total (Private)		344			
Total		951			

Projects commissioned in 2013

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
Public Sector					
1.	Raujan 25 MW PP	25	RPCL	Gas/HFO	3 May, 2013
2.	Khulna 150 MW GTPP	150	NWPGCL	Gas/HSD	23 September, 2013
3.	Haripur 360 MW CCPP	412	EGCB	Gas	December, 2013
Sub Total (Public)		587			
Private Sector					
1.	Shajanullah Power Company	25	IPP	Gas	11 January, 2013
2.	Regional Import	500	Import	Import	5 October, 2013
3.	Ashuganj 51 MW PP	51	IPP	Gas	6 December, 2013
Sub Total (Private)		576			
Total		1163			

Projects commissioned in 2014

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

Projects Commissioned in 2015

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

Projects Commissioned in 2016

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

Projects Commissioned in 2017

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

Projects Commissioned in 2018

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
Public Sector					
*	Bheramara 360 MW CCPP (ST unit)	132	NWPGCL	Gas/HSD	1 January, 2018
1.	Barapukuria 275 MW (3rd Unit)	274	BPDB	Coal	1 January, 2018
2.	Ghorashal 365 MW CCPP	365	BPDB	Gas	05 February, 2018
3.	Sirajganj 225 MW CCPP (2nd Unit)	220	NWPGCL	Gas/HSD	05 February, 2018
4.	Siddhirganj 335 MW CCPP	217	EGCB	Gas	GT:30 April, 2018
5.	Sirajganj 225 MW CCPP (3rd Unit)	141	NWPGCL	Gas/HSD	GT:9 August, 2018
Sub Total (Public)		1,349			
Private Sector					
1.	Kamalaghat 50 MW PP	54	IPP	HFO	1 January, 2018
2.	Noapara 100 MW PP	100	IPP	HSD	18 April, 2018
*	Kusiara 163 MW CCPP	54	IPP	Gas	27 April, 2018
3.	DaudKandi 200 MW PP	200	IPP	HSD	27 April, 2018
4.	Kodda, Gazipur 300 MW PP	300	IPP	HFO	10 May, 2018

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
5.	Bramhongaon, Keraniganj 100 MW PP	100	IPP	HSD	30 May, 2018
6.	Mymensingh 200 MW PP	200	IPP	HFO	16 June, 2018
7.	Aowrahati, Keranigonj 100 MW PP	100	IPP	HSD	29 June, 2018
8.	Kadda 149 MW PP	149	IPP	HFO	12 July, 2018
9.	Pangaon, keraniganj 300 MW PP	300	IPP	HSD	10 August, 2018
10.	Power import (2nd HVDC)	500	Import	Import	10 September, 2018
11.	Teknaf, Coxsbazar 20 MW Solar Park	20	IPP	Solar	15 September, 2018
12.	Sirajganj 400±10 MW CCPP	282	IPP	GAS/HSD	GT: 04 October, 2018
13.	Rupsa, Khulna 105 MW PP	105	IPP	HFO	14 October, 2018
14.	Chandpur 200 MW PP	200	IPP	HFO	09 November, 2018
15.	Julda ,CTG 100 MW PP (Unit-3)	100	IPP	HFO	09 November, 2018
16.	Ashuganj 150 MW PP	150	IPP	HFO	27 November, 2018
Sub Total (Private)		2,914			
Total		4,381			

Projects Commissioned in 2019

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
Public Sector					
1.	Sirajgonj 225 MW CCPP (3rd Unit) (ST Unit)	79	NWPGCL	Gas/HSD	20 January 2019
2.	Bibiana #3 CCPP	400	BPDB	Gas	GT: 06 February, 2019 ST: 24 September, 2019
3.	Modumoti, Bagerhat 100 MW PP	105	NWPGCL	HFO	15 April, 2019
4.	Gazipur 100 MW PP	105	RPCL	HFO	25 May, 2019
5.	Kaptai Solar Power Plant	07	BPDB	Solar	28 May, 2019
6.	Siddirganj 335 MW CCPP ST Unit	118	EGCB	Gas	ST: 9 September, 2019
Sub Total (Public)		814			
Private Sector					
1.	Baghabari 200 MW PP	200	IPP	HSD	16 February, 2019
2.	Jamalpur 115 MW Power Plant	115	IPP	HFO	19 February, 2019
3.	Bogura 113 MW PP (unit-2)	113	IPP	HFO	30 March, 2019
*	Sirajganj 400±10 MW CCPP	132	GAS/HSD	IPP	ST: 09 April, 2018
4.	Shikalbaha 105 MW PP	105	IPP	HFO	24 May, 2019

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
5.	Anowara, Chattogram 300 MW PP	300	IPP	HFO	22 June, 2019
6.	Majipara, Tetulia Solar plant	8	IPP	Solar	23 July, 2019
7.	Rangpur 113 MW Power Plant	113	IPP	HFO	12 August, 2019
8.	Shikalbaha 110 MW PP	110	IPP	HFO	20 August, 2019
9.	Shikalbaha, Chattogram 54 MW PP	54	IPP	HFO	31 August, 2019
10.	Bogura 113 MW Power Plant (Unit-1)	113	IPP	HFO	17 November, 2019
11.	Feni 114 MW Power Plant	114	IPP	HFO	24 November, 2019
12.	Choumohoni, Noakhali 113 MW Power Plant	113	IPP	HFO	31 December, 2019
Sub Total (Private)		1,590			
Total		2,404			

Projects Commissioned in 2020

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
Public Sector					
1.	Sylhet 150 MW PP Conversion	87	BPDB	Gas	14 March, 2020
2.	Payra, Potuakhali 1320 Coal Fired Power Plant (1st Unit)	622	BCPCL (NWPGL)	Imported Coal	15 May, 2020
Sub Total (Public)		709			
Private Sector					
1.	Julda, Chattogram 100 MW PP (Unit-2)	100	IPP	HFO	20 March, 2020
2.	Meghnaghat 104 MW Power Plant	104	IPP	HFO	30 June, 2020
3.	Sutiakhali, mymensing 50 MW Solar PP	50	IPP	Solar	04 November, 2020
4.	Manikgonj 162 MW PP	162	IPP	HFO	01 December, 2020
5.	Tangail 22 MW PP (Duel Fuel)	22	IPP	HFO	20 December, 2020
Sub Total (Private)		438			
Total		1,771			

Projects Commissioned in 2021 (Up to June)

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
Public Sector					
1.	Bibiana South 383 MW CCPP	383	BPDB	Gas	28 January 2021
2.	Shajibazar 100 MW PP	100	BPDB	Gas	01 February 2021
3.	Shirajgonj 6.55 MW Solar PP	6	NWPGL	Solar	30 March, 2021
4.	Ghorasal 416 MW CCPP (3rd Unit Repowering) GT	260	BPDB	Gas	01 April, 2021
Sub Total (Public)		749			

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
Private Sector					
1.	Potiya, Chattogram 116 MW PP	116	IPP	HFO	04 January, 2021
2.	Potuakhali 150 MW PP	150	IPP	HFO	18 January, 2021
3.	Bhairab 54 MW PP	54	IPP	HFO	08 March, 2021
4.	Manikgonj 35 MW Solar PP	35	IPP	Solar	12 March, 2021
5.	Bhola 220 MW CCPP	220	IPP	GAS/HSD	09 June, 2021
Sub Total (Private)		575			
Total		1,324			

Future Generation Projects

Projects to be Commissioned in 2021 (From July to December)

Sl. 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	December, 2021
Sub Total (Public)		400			
Private Sector					
1.	Kanchan, Narayangonj 55 MW PP	55	IPP	HFO	December, 2021
2.	Hatia 15 MW Power Plant	5	IPP	HFO	December, 2021
Sub Total (Private)		60			
Total		460			

Projects to be Commissioned in 2022

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
Public Sector					
1.	Mirsorai, Chittagong 150 MW PP	160	BR Power Gen	HFO/Gas	February, 2022
2.	Ghorasal 3rd Unit Repowering ST	156	BPDB	Gas	March, 2022
3.	Ghorasal 4th Unit Repowering	409	BPDB	Gas	June, 2022
4.	Khulna 330 MW CCPP (D/F)	336	BPDB	Gas/HSD	June, 2022
5.	Sreepur 150 MW Power Plant	163	B-R Power gen	HFO	December, 2022
Sub Total (Public)		1,224			

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
Joint Venture					
1.	BIFPCL, Rampal, Coal Fired Power Plant	1,234	BIFPCL	Imported Coal	U#1: March, 2022 U#2: June, 2022
Sub Total (Joint Venture)		1,234			
Private Sector					
1.	Chandpur 115 MW Power Plant	115	IPP	HFO	January, 2022
2.	Thakurgao 100 MW Power Plant	115	IPP	HFO	March, 2022
3.	Chattogram 2 x 612 MW Coal Fired Power Project	1,224	IPP	Imported Coal	1st Unit: July, 22 2nd Unit: August, 22
4.	Adani Power, Jharkhand, India	1,496	Import	Import	1st Unit: July, 22 2nd Unit: December, 22
5.	Meghnaghat 583 MW CCPP	583	IPP	LNG	August, 2022
6.	Borisal 307 MW Coal Fired Power Plant	307	IPP	Imported Coal	October, 2022
7.	Meghnaghat 584 MW CCPP (Unique)	584	IPP	LNG	November, 2022
Sub Total (Private)		4,424			
Total		6,882			

Projects to be Commissioned in 2023

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
Public Sector					
1.	Sayedpur 150 MW PP	162	BPDB	HSD	June, 2023
2.	Rupsa 800 MW CCPP	880	NWPGCL	LNG	U#1: July, 2023 U#2: December, 2023
3.	Haripur 250 MW CCPP	250	BPDB	LNG	December, 2023
Sub Total (Public)		1,292			
Joint Venture					
1.	Patuakhali 1320 (2x660) MW USCPP (Phase-1)	1,247	RNPL	Imported Coal	U#1: August, 2023 U#2: December, 2023
Sub Total (Joint Venture)		1,247			
Private Sector					
1.	Meghnagat 750 MW CCPP	718	IPP	LNG	March, 2023
Sub Total (Private)		718			
Total		3,257			

Projects to be Commissioned in 2024

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
Public Sector					
1.	Matarbari 1200 MW USCPP	1,200	CPGCBL	Imported Coal	U#1: January, 2024 U#2: July, 2024
2.	Rooppur Nuclear Power Plant (1st Unit)	1,200	NPCBL	NC	February, 2024
3.	Mymensingh 360 MW CCPP	420	RPCL	Gas/HSD	June, 2024
4.	Rooppur Nuclear Power Plant (2nd Unit)	1,200	NPCBL	Nuclear	October, 2024
5.	Raojan 400±10% MW CCPP (1st Unit)	400	BPDB	LNG	December, 2024
Sub Total (Public)		4,420			
Joint Venture					
1.	Payra, Potuakhali 1320 Coal Fired Power Plant (2nd Phase)	1,244	BCPCL	Imported Coal	U#1: May, 2024 U#2: June, 2024
2.	Payra 1200 MW LNG based CCPP (1st Phase)	1,200	NWPGCL	LNG	June, 2024
Sub Total (Joint Venture)		2,444			
Private Sector					
Sub Total (Private)		0			
Total		6,864			

Projects to be Commissioned in 2025

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
Public Sector					
1.	Shiddirgonj 600±10% MW CCPP	550	BPDB	LNG	June 2025
2.	Ghorasal 225 MW CCPP	225	BPDB	LNG	December 2025
Sub Total (Public)		775			
Total		775			

* Already shown as running power plant.



A review meeting on progress of large Power Plants presided over by secretary, Power Division Mr. Md. Habibur Rahman.

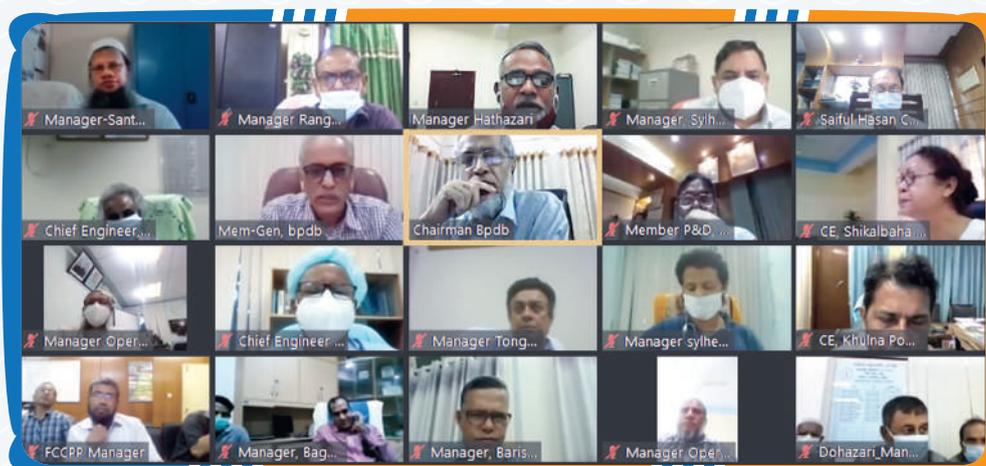
Retirement Schedule up to FY 2025

SL No.	Name of Power Station/ Location	Unit Type	Ownership	Type of Fuel	COD Date (DD/MM/YY)	Retirement Date (DD/MM/YY)	Installed Capacity (MW)
1	Ashuganj 150 MW ST3	ST	Public	Gas	17-Dec-1986	17-Dec-2021	150
2	Ashuganj 150 MW ST4	ST	Public	Gas	4-May-1987	5-Apr-2022	150
3	Ghorasal 210 MW STunit4	ST	Public	Gas	18-Mar-1989	30-Jun-2022	210
4	Sylhet 20 MW PP	CT	Public	Gas	13-Dec-1986	30-Jun-2022	20
5	Haripur 32 MW GT1	CT	Public	Gas	31-Oct-1987	30-Jun-2022	32
6	Fenchuganj 91 MW CCPP (1st Unit)	CC	Public	Gas	24-Dec-1994	30-Jun-2022	97
Sub-Total (Public)							659
7	Siddirganj 100 MW Q.Rental PP (5 Years, Dutch Bangla Power)	RE	Private	HFO	21-Jul-2011	20-Jul-2021	100
8	Amnura, Chapainawabgonj Q.RPP (Sinha Power)	RE	Private	HFO	13-Jan-2012	12-Jan-2022	50
9	Bhola 80 MW Q.Rental PP (3 Years, Aggreco)	RE	Private	Gas	31-May-2011	17-Mar-2022	95
10	Julda, 100 MW Q.RPP (5 Years, Acron Infra Service)	RE	Private	HFO	26-Mar-2012	25-Mar-2022	100
11	Keranigonj 100 MW Q.Rental PP (Power Pack)	RE	Private	HFO	27-Mar-2012	26-Mar-2022	100
12	Katakhalī 50 MW Q.Rental PP(NPSL)	RE	Private	HFO	22-May-2012	21-May-2022	50
Sub-Total (Private)							495
Total (2021-22)							1154
13	Ashuganj 150 MW ST5	ST	Public	GAS	21-Mar-1988	21-Mar-2023	150
14	Rangpur 20 MW PP	CT	Public	HSD	16-Aug-1988	30-Jun-2023	20
15	Saidpur 20 MW PP	CT	Public	HSD	17-Sep-1987	30-Jun-2023	20
Sub-Total (Public)							190
16	Bhola 3 Years RPP (Venture)	CT	Private	Gas	12-Jul-2009	11-Jul-2022	33
17	Bogura 3 Years RPP (Energy Prima)	RE	Private	Gas	13-Nov-2011	12-Nov-2022	20
18	Summit_Chandina_2nd Phase(REB)	RE	Private	Gas	15-Nov-2006	14-Nov-2022	14
19	Summit_Ashulia_2nd Phase(REB)	RE	Private	Gas	4-Dec-2007	3-Dec-2022	34
20	Summit_Madubdi_2nd Phase(REB)	RE	Private	Gas	16-Dec-2006	15-Dec-2022	24
21	Ashuganj 55 MW 3 Yrs RPP (Precision Energy)	RE	Private	Gas	7-Apr-2010	6-Apr-2023	55
22	Noapara 100 MW PP (Bangla Trac)	RE	Private	HSD	18-Apr-2018	17-Apr-2023	100
23	Doudkandi 200 MW PP (Bangla Trac)	RE	Private	HSD	27-Apr-2018	26-Apr-2023	200
24	Bramongao 100 MW PP (Aggreko)	RE	Private	HSD	30-May-2018	29-May-2023	100
25	Bogura 15 Years RPP (GGB)	RE	Private	Gas	17-Jun-2008	16-Jun-2023	20
26	Aorahati 100 MW PP (Aggreko)	RE	Private	HSD	29-Jun-2018	28-Jun-2023	100
Sub-Total (Private)							700
Total (2022-23)							890
27	Shazibar 2x35 MW PP	CT	Public	Gas	25-Oct-2000	25-Oct-2023	70
28	Raozan 210 MW Unit-1	ST	Public	Gas	28-Mar-1993	30-Jun-2024	210
29	Raojan 210 MW Unit- 2	ST	Public	Gas	21-Sep-1997	30-Jun-2024	210
30	Baghabari 71 MW GT	CT	Public	Gas	4-Jun-1991	30-Jun-2024	71
Sub-Total (Public)							561
31	Pangao 300 MW PP (APR)	RE	Private	HSD	10-Aug-2018	09-Aug-2023	300
32	Summit_Chandina_1st Phase(REB)	RE	Private	Gas	1-Sep-2003	31-Aug-2023	11
33	Summit_Madubdi_1st Phase(REB)	RE	Private	Gas	1-Sep-2003	31-Aug-2023	11
34	Summit_Ashulia_1st Phase(REB)	RE	Private	Gas	1-Sep-2003	31-Aug-2023	11
35	Tangail SIPP (Doreen)	RE	Private	Gas	12-Nov-2008	11-Nov-2023	22
36	Haripur 360 CCPP	CC	Private	Gas	1-Dec-2001	30-Nov-2023	360
37	Narsindi SIPP (REB)	RE	Private	Gas	21-Dec-2008	20-Dec-2023	22

SL No.	Name of Power Station/ Location	Unit Type	Ownership	Type of Fuel	COD Date (DD/MM/YY)	Retirement Date (DD/MM/YY)	Installed Capacity (MW)
38	Hobiganj SIPP (REB)	RE	Private	Gas	10-Jan-2009	9-Jan-2024	11
39	Shahjibazar 86 MW PP (15 Yrs RPP)	RE	Private	Gas	10-Feb-2009	9-Feb-2024	86
40	Feni SIPP (Doreen)	RE	Private	Gas	16-Feb-2009	15-Feb-2024	22
41	Baghabari 200 MW PP (Paramount)	RE	Private	HSD	16-Feb-2019	15-Feb-2024	200
42	Ullapara SIPP (REB)	RE	Private	Gas	2-Mar-2009	1-Mar-2024	11
43	Kumkargoan 50 MW PP (15 Years RPP) (Desh Energy)	RE	Private	Gas	18-Mar-2009	17-Mar-2024	10
44	Feni SIPP (REB)	RE	Private	Gas	25-Apr-2009	24-Apr-2024	11
45	Mouna, Gazipur SIPP (REB)	RE	Private	Gas	12-May-2009	11-May-2024	33
46	Barobkundo SIPP (Regent Power)	RE	Private	Gas	23-May-2009	22-May-2024	22
47	Rupganj , Narayanganj SIPP (REB)	RE	Private	Gas	9-Jun-2009	8-Jun-2024	33
48	Jangalia, Cumilla SIPP (Summit)	RE	Private	Gas	25-Jun-2009	24-Jun-2024	33
Sub-Total (Private)							1209
Total (2023-24)							1770
49	Tongi 105 MW PP	CT	Public	Gas	28-Mar-2005	27-Mar-2025	105
50	Bheramara 20 MW PP GT3	CT	Public	HSD	19-Jan-1980	30-Jun-2025	20
Sub-Total (Public)							125
51	Fenchuganj 15 Years RPP (Barakatullah)	RE	Private	Gas	24-Oct-2009	23-Oct-2024	51
Sub-Total (Private)							51
Total (2024-25)							176
Total From FY 2022 to FY 2025							3990

Summary

Fiscal Year	Public Sector	Private Sector	Total
2021-2022	659	495	1154
2022-2023	190	700	890
2023-2024	561	1209	1770
2024-2025	125	51	176
Total From FY 2022 to FY 2025	1535	2455	3990



BPDB Chairman Engr. Md. Belayet Hossain holding a virtual meeting with Chief Engineers and Managers of different Power Stations

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

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 fossil fuel is depleting rapidly, the GoB has adopted important strategies to develop renewable energy as a 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 generation. Under the existing generation scenario of Bangladesh, Renewable Energy has a very small share around 3.04% 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 along with 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. So, Renewable Energy based projects can help 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 2020-2021, BPDB has taken the following steps for implementation, planning and development of renewable energy sector:

Renewable Energy Based Rooftop Solar Projects

BPDB has installed solar system of total capacity 6.51 MW at different offices and consumers. (including 104 nos Net Metering system of 5.52 MW).

1. Ongoing Utility Scale Solar PV Projects

A. BPDB's Own Projects

Projects under Planning

- ✧ Construction of 109.77 MWp (82.5 MW AC) Solar Photovoltaic Grid Connected Power Plant at Sonagazi, Feni.
- ✧ Construction of 90.25 MWp (68.60 MW AC) Solar Photovoltaic Grid-Connected Power Plant at Gangachara, Rangpur.

B. Independent Power Producer (IPP) Projects

(i) Projects under Construction

- ✧ 0.813 kWp Grid Tied Rooftop Solar PV Project on 23 nos. Government Building (8237.35 m² rooftop area) at Jamalpur District.
- ✧ Implementation of 45-55 MW (AC) Grid Tied Solar Power Project on BOO Basis at Rangunia, Chattogram.
- ✧ 32 MW (AC) Solar Park at Dharmapasha, Sunamganj by Haor Bangla-Korea Green Energy Ltd.
- ✧ 30MW (AC) Solar Park at Gangachara, Rangpur by Intraco CNG Ltd & Juli New Energy Co. Ltd.
- ✧ 200 MW (AC) Grid Tied Solar PV Power Project at Sundarganj, Gaibandha by Beximco Power Company Ltd & TBEA Xin Jiang Sun Oasis Co.Ltd.

- ✧ 30MW (AC) Solar Park at Gangachara, Rangpur by Intraco CNG Ltd & Juli New Energy Co. Ltd.
- ✧ 200 MW (AC) Grid Tied Solar PV Power Project at Sundarganj, Gaibandha by Beximco Power Company Ltd & TBEA Xin Jiang Sun Oasis Co.Ltd.
- ✧ 5 MW (AC) Solar Park at Patgram, Lalmonirhat by Green Housing & Energy Ltd (PV Power Patgram Ltd).
- ✧ 5MW (AC) Solar Park at Sylhet by EikiShoji Co Ltd, Japan & Sun Solar Power Plant Ltd.
- ✧ 30 MW (AC) Solar Park at Tetulia, Panchagarh by Beximco Power Company Limited & Jiangsu Zhongtian Technology Co.Ltd.
- ✧ 100 MW (AC) Solar Park at Bora Durgapur, Mongla, Bagerhat by a Consortium of Energon Technologies FZE, UAE and China Sunergy Co.Ltd. (CSUN).



(ii) Projects under Planning

- ✧ 50 MW (AC) Solar park at Panchagarh by 8minutenergy Singapore Holdings 2, Pte.Ltd.
- ✧ 100 MW (AC) Solar park at Pabna by Shapoorji Pallonji Infrastructure Capital Company Private Limited (India).
- ✧ 20 MW Solar project at Deviganj, Panchagarh by Rahimafrooz Shunfeng Consortium.
- ✧ 10 MW Solar project at Moulvibazar by Symbior Solar & Holland Consortium.
- ✧ 50 MW Solar project at Dimla, Nilphamari by Scatec Solar ASA, Norway.
- ✧ 100 MW Solar project at Madarganj, Jamalpur by JV of CREC International Renewable Energy Co. Ltd. (CIRE & BR) Powergen Ltd.
- ✧ 3.77 MW Solar Power Plant at Bera, pabna by Joint Venture of Mostafa Motors Ltd. Bangladesh and Solarland (Wuxi) Electric Science and Technology Co. Ltd. China.
- ✧ 50 MW Solar Power Plant at Dhamrai, Dhaka by Consortium of IBV Vogt GmbH & SS Agro Complex Ltd.
- ✧ 07 MW Solar Power Park at Chandpur by Consortium of Appolo Engineering & Construction Limited, Bangladesh & S.M.E. Electrical Private Limited, Singapore.
- ✧ 50 MW Grid Tied Solar Power Plant near Bariahaat 132/33 kV grid substation.
- ✧ 50 MW Grid Tied Solar Power Plant near Chuadanga 132/33 kV grid substation
- ✧ 50 MW Grid Tied Solar Power Plant near Netrokona 132/33 kV grid Substation

2. Ongoing Wind Power Projects

A. BPDB's Own Projects

- ✧ 2 MW (8x250 kW) Capacity Wind Power Plant on Turnkey Basis at the bank of the river Jamuna adjacent to the existing Sirajganj 210 MW Power Plant Sirajganj, Bangladesh.

B. Independent Power Producer (IPP) Projects

- ✧ 30 MW Grid Tied Wind Power Project at Sonagazi, Feni by Consortium of Bhagwati Products Ltd (India), Regen Powertech Private Ltd (India) and Siddhant Wind Energy Pvt. Ltd.
- ✧ 60 MW Wind Power Plant at Cox's Bazar by US DK Green Energy (BD) Ltd.
- ✧ 50 MW Wind Power Project near to Kachua 132/33 kV Grid Substation, Chandpur.
- ✧ 55 MW Wind Power Project near to Mongla 132/33 kV Grid Substation, Mongla, Bagerhat.
- ✧ 50 MW Wind Power Project near to Inani, Cox's Bazar

3. Ongoing Solid Waste to Energy based Power Projects

Independent Power Producer (IPP) Projects

Projects under Planning

- ✧ Narayanganj 6 MW Municipal Solid Waste based Power Plant at Narayanganj.
- ✧ Municipal Solid Waste based Power Plant at Dhaka North City Corporation by China Machinery Engineering Corporation (CMEC).
- ✧ Municipal Solid Waste based Power Plant at Dhaka South City Corporation by Canvas Environment Investment Company Ltd.
- ✧ Municipal Solid Waste based Power Plant at Gazipur City Corporation by Canvas Environment Investment Company Ltd



Signing of minutes of 19th meeting of Bangladesh-India Joint Steering Committee on Power Sector Cooperation.

Ongoing Distribution Projects

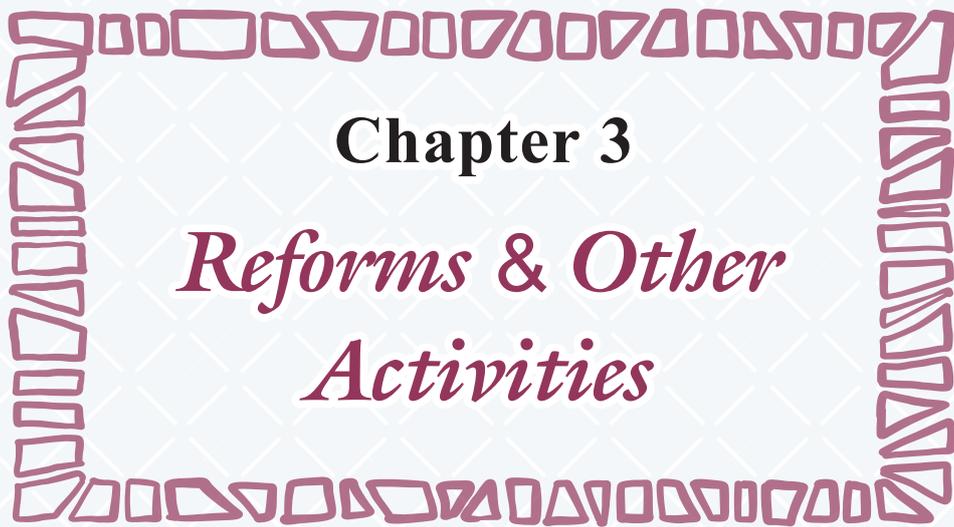
With the aim of renovation and expansion of existing distribution network for reduction of distribution line loss, electrification of new areas and improved customer satisfaction, BPDB has undertaken various distribution projects. The under-construction distribution projects are as follows:

Sl. No.	Name of the Projects	Projects costs				Implementation Period	Cumulative Progress (%)
		BPDB (Lakh Tk.)	GoB (Lakh Tk.)	Foreign (Lakh Tk.)	Total (Lakh Tk.)		
1.	Power Distribution System Development Project, Chattogram Zone (1st Revised).	4262	137886	0	142148	July, 2014 to December, 2021	93.75%
2.	Power Distribution System Development, Chattogram Zone (2nd Phase).	9494	245697	0	255191	July, 2018 to June, 2022	13.07%
3.	Power Distribution System Development Project, Rangpur Zone (1st Revised).	7607	135315	0	142922	January, 2016 to June, 2022	85%
4.	Power Distribution System Development Project, Sylhet Division (1st Revised).	11007	194288	0	205295	April, 2016 to June, 2022	86%
5.	Power Distribution System Development Project, Rajshahi Zone (2nd Revised).	5734	89632	0	95367	July, 2015 to December, 2021	96%
6.	Power Distribution System Development Project, Mymensingh Zone.	5088	152459	0	157547	January, 2018 to December, 2021	63.24%
7.	Power Distribution System Development Project, Cumilla Zone.	6581	145595	0	152176	January, 2018 to December, 2021	60%
8.	Development of Power Distribution System in Three Hilly Districts (2nd Revised).	3143	53278	0	56421	January, 2017 to December, 2021	89.06%
9.	Pre-payment metering project for distribution Cumilla & Mymensingh zones.	1019	1826	10405	13249	July, 2013 to December, 2020	30.76%

Future Distribution Projects

From the view point of continuous improvement in retail sales performance and consumers' service & satisfaction, BPDB has undertaken following distribution projects:

Sl. No.	Name of the Projects	Projects costs			
		BPDB (Lakh Tk.)	GoB (Lakh Tk.)	Foreign (Lakh Tk.)	Total (Lakh Tk.)
1.	Hundred Percent Reliable and Sustainable Electrification of Hatiya Island, Nijhum Island & Kutubdia Island.	1348	37088	0	38436
2.	Development of Power Distribution System in Three Hilly Districts (2nd Phase)	11532	159506	0	171039
3.	Smart Pre-payment Metering Project in Distribution Zones of BPDB	18596	18913	33394	70903
4.	Modernization with capacity enhancement of 230/132 kV Air Insulated Sub-station (AIS) to Gas Insulated Sub-Station (GIS) at Ghorashal Power Station Complex.	3319	9854	70706	83880



Chapter 3
*Reforms & Other
Activities*

REFORM & RESTRUCTURE

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

- ❑ The Electricity Directorate was established in 1948 in order to plan and improve power supply situation of the country. Considering the increasing demand of electricity and its importance in agriculture & industry Water & Power Development Authority (WAPDA) was created in 1959. Later the WAPDA was divided into two parts namely Bangladesh Power Development Board and 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 and 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 in 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 as a subsidiary company of BPDB.
- ❑ Ashuganj Power Station has been converted into Ashuganj Power Station Company Ltd.

(APSCL) in 1996, as a subsidiary company of BPDB.

- ❑ Northern Electricity Supply Company Ltd. (NESCO) was created in 2016 to look after the distribution system of Rajshahi and Rangpur zone. NESCO is a distribution subsidiary of BPDB.
- ❑ West Zone Power Distribution Company Ltd. (WZPDCL) was created in 2002 to look after the distribution system of Barishal and Khulna Zone. WZPDCL is a distribution subsidiary of BPDB.
- ❑ Electricity Generation Company of Bangladesh (EGCB) has been formed as a Generation Company since 2004 as a subsidiary company of BPDB. EGCB has implemented 2x120 MW Peaking Power Plant at Shiddirgonj, 412 MW CCPP at Haripur and 335 MW CCPP at Shiddirgonj.
- ❑ North West Power Generation Company (NWPGL) was created in 2008 as a subsidiary company of BPDB. NWPGL has implemented 225 MW Combined Cycle Power Plant at Sirajganj (1st unit), 225 MW Combined Cycle Power Plant at Sirajganj (2nd unit), 225 MW Combined Cycle Power Plant at Sirajganj (3rd unit), 225 MW Combined Cycle Power Plant at Khulna, 410 MW Combined Cycle Power Plant at Bheramara, 7.6 MW grid connected solar plant at Sirajganj and 100 MW power plant at Modhumoti, Bagerhat. NWPGL JV with CMC, China named as BCPL, which is implemented 2x660 MW coal based power plant (1st phase) at Paira, Potuakhali.
- ❑ 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 better and highly effective under one legal binding in a big organization rather than small corporate power entities.

HRD Activities

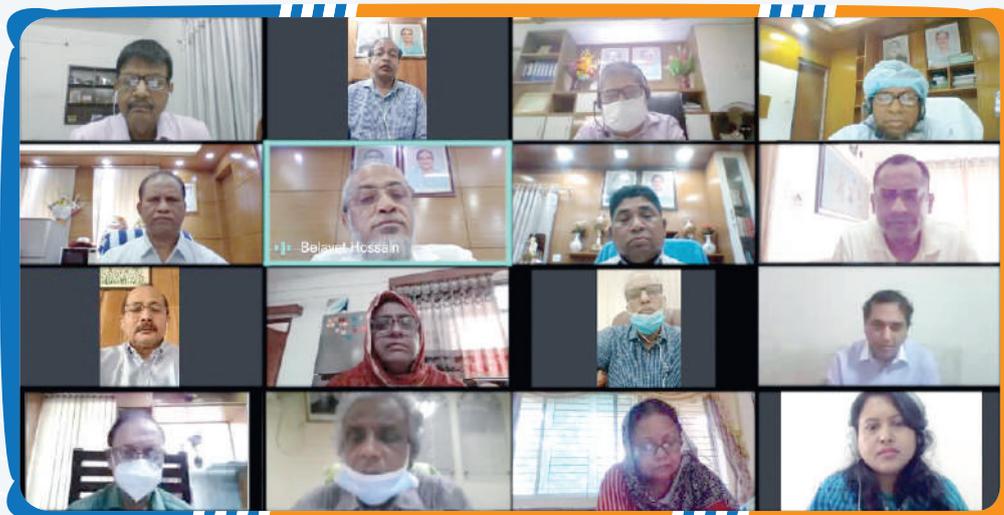
BPDB's vision is to provide quality and reliable electricity to the people of Bangladesh for desired economic, social and human development of the country undertaking institutional and structural reforms leading to the creation of an organization of international standard. In order to achieve this vision, it is needed to develop specialized skilled services in the field of operation & maintenance with outstanding performance in Generation, Transmission & Distribution. Human resource development is the key for successful implementation of development projects of hi-tech nature in power sector and efficient operation of these facilities to keep tariff at affordable range. Sector entities have program to train 55 hours/year/employee and have a plan to increase it to 100 hours in future. It is very important to ensure quality training otherwise all efforts will go in vain.

BPDB has been implementing all its training programs through Directorate of Training & Career Development. Training Academy at Kaptai, four regional training centers and two specialized training center for power plants are providing training courses for

technical and non-technical manpower of power sector entities. Regional Training Centers of BPDB are located at Tongi, Rajshahi, Chattogram, Narshingdi and Cox's Bazar. Training centers at Ghorasal is dedicated to train power plant engineers & staff. Efforts are underway to establish state-of-the-art training academy at Keraniganj near Dhaka for this purpose.

Achievement against training program conducted during FY 2020-21 is shown below

Sl. No.	Name of Training Center/Academy	No. of Course	Total No. of Trainees
1.	Engineering Academy, Kaptai, Rangamati	77	1763
2.	Regional Training Centre, Tongi, Gazipur.	54	1810
3.	Chattogram Training Centre, Chattogram.	55	1986
4.	Rajshahi Training Centre, Rajshahi	73	2319
5.	Ghorashal Training Centre, Narsingdi	47	1676
6.	Directorate of Training & Career Development, Dhaka.	124	3677
7.	Training Academy, Cox's Bazar	61	1877
8.	On The Job Training	54	2040
9.	Training in Abroad	00	00
10.	Seminar/Workshop	35	821
Total		580	17669



Inaugural ceremony of a online training course through google meet.



Ghorashal 3rd Unit Re-Powered CCPP



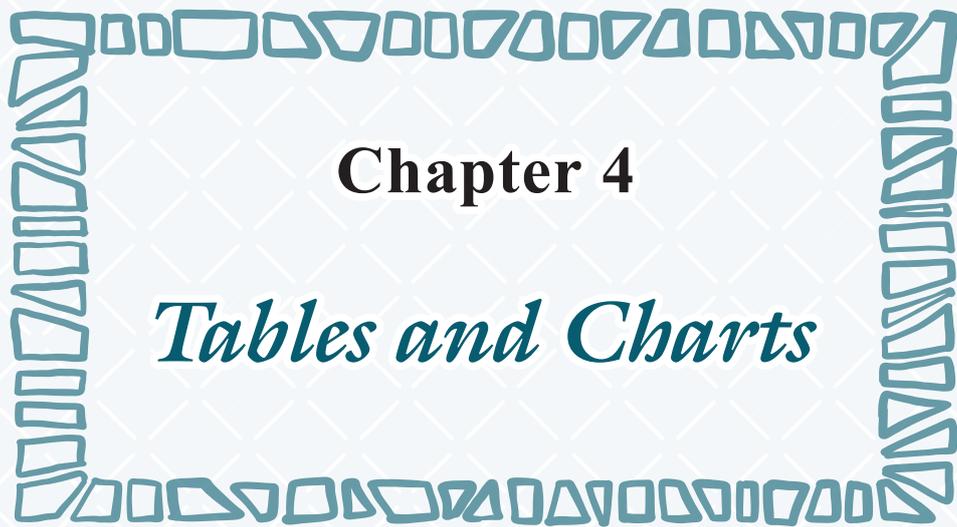
Shahjibazar 100 MW Power Plant



Julda, Chattogram 100 MW Power Plant



Chowmohuni 113 MW Power Plant

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Chapter 4
Tables and Charts

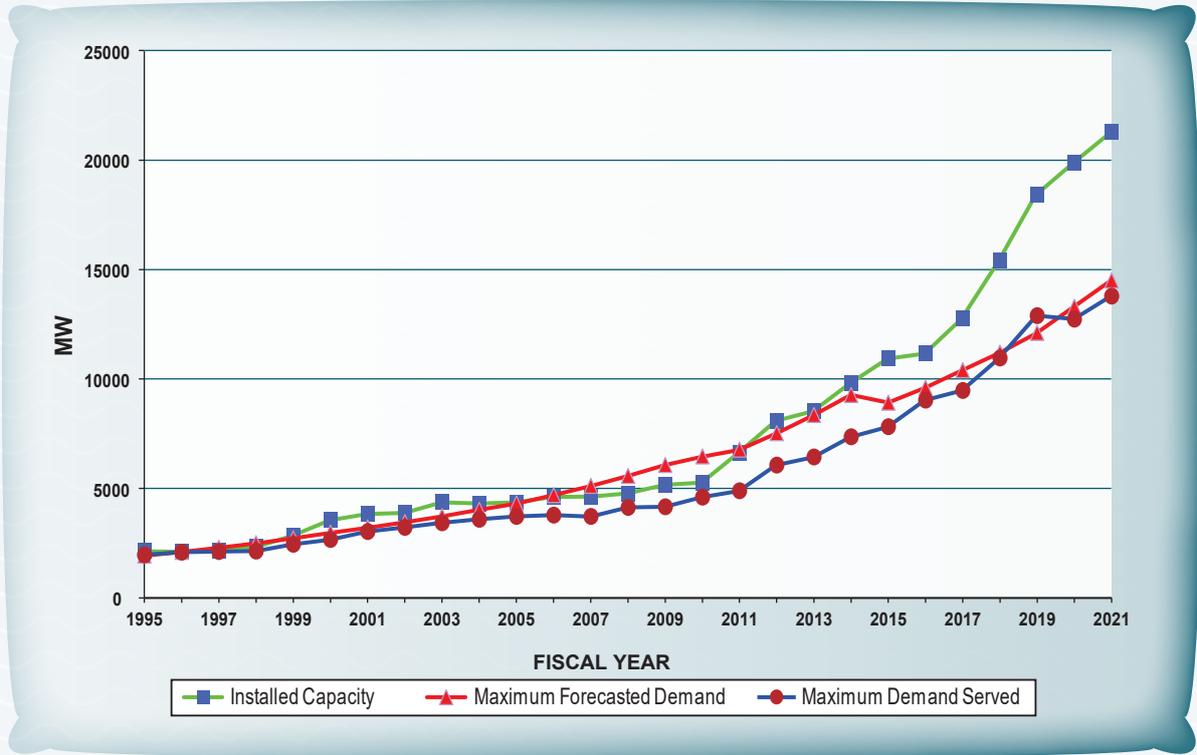
Generation Tables & Charts

Installed Capacity, Present Capacity (Derated), Maximum Forcasted Demand Maximum Demand Served and Energy not Served

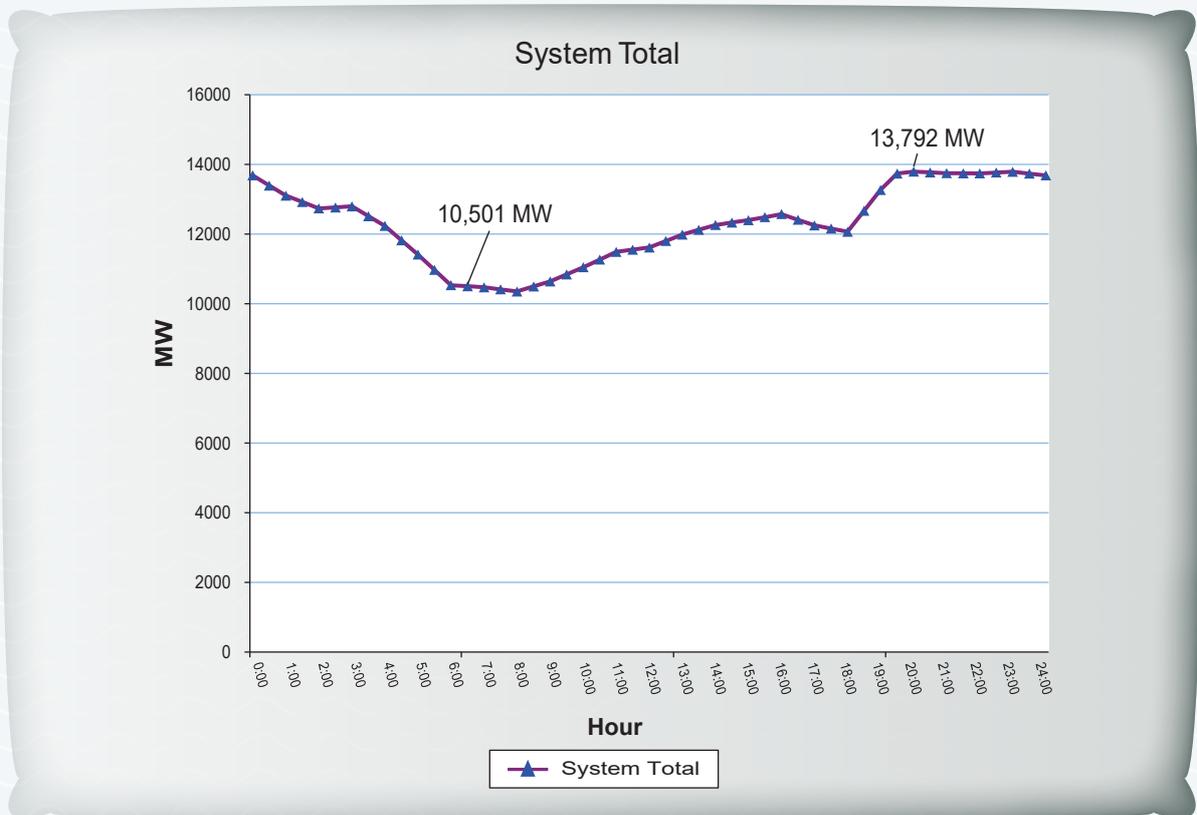
Year	Installed Capacity (MW) ¹	Present Capacity (Derated) (MW) ²	Maximum Forecasted Demand (MW) ³	Maximum Demand Served (MW)	Energy Not Served (MkWh)
1971-72	547	-	183	183	-
1972-73	602	412	222	222	-
1973-74	660	-	250	250	-
1974-75	667	490	266	266	-
1975-76	766	606	301	301	-
1976-77	767	571	342	342	-
1977-78	752	557	396	396	-
1978-79	718	571	437	437	-
1979-80	822	625	462	462	-
1980-81	813	707	545	545	-
1981-82	857	712	604	604	-
1982-83	919	810	709	709	-
1983-84	1,121	998	797	761	-
1984-85	1,141	1,018	887	887	-
1985-86	1,171	1,016	993	883	-
1986-87	1,607	1,442	1,112	1,084	-
1987-88	2,146	1,859	1,279	1,317	-
1988-89	2,365	1,936	1,471	1,393	-
1989-90	2,352	1,834	1,692	1,509	-
1990-91	2,350	1,719	1,861	1,640	-
1991-92	2,398	1,724	2,047	1,672	-
1992-93	2,608	1,918	2,252	1,823	-
1993-94	2,608	1,881	2,477	1,875	-
1994-95	2,908	2,133	1,925	1,970	-
1995-96	2,908	2,105	2,096	2,087	-
1996-97	2,908	2,148	2,285	2,114	550
1997-98	3,091	2,320	2,492	2,136	516
1998-99	3,603	2,850	2,721	2,449	264
1999-00	3,711	3,549	2,974	2,665	121
2000-01	4,005	3,830	3,206	3,033	119
2001-02	4,234	3,883	3,457	3,218	70
2002-03	4,680	4,368	3,728	3,428	69
2003-04	4,680	4,315	4,023	3,592	147
2004-05	4,995	4,364	4,308	3,721	260
2005-06	5,245	4,614	4,693	3,782	843
2006-07	5,202	4,623	5,112	3,718	2,264
2007-08	5,305	4,776	5,569	4,130	1,107
2008-09	5,719	5,166	6,066	4,162	1,363
2009-10	5,823	5,271	6,454	4,606	1,829
2010-11	7,264	6,639	6,765	4,890	1,899
2011-12	8,716	8,100	7,518	6,066	1,647
2012-13	9,151	8,537	8,349	6,434	1,070
2013-14	10,416	9,821	9,268	7,356	515
2014-15	11,534	10,939	8,920	7,817	177
2015-16	12,365	11,170	9,600	9,036	122
2016-17	13,555	12,771	10,400	9,479	37
2017-18	15,953	15,410	11,200	10,958	32
2018-19	18,961	18,438	12,100	12,893	53
2019-20	20,383	19,892	13,300	12,738	58
2020-21	22,031	21,280	14,500	13,792	77

- 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.

Install Capacity, Maximum Forecasted Demand & Maximum Demand Served



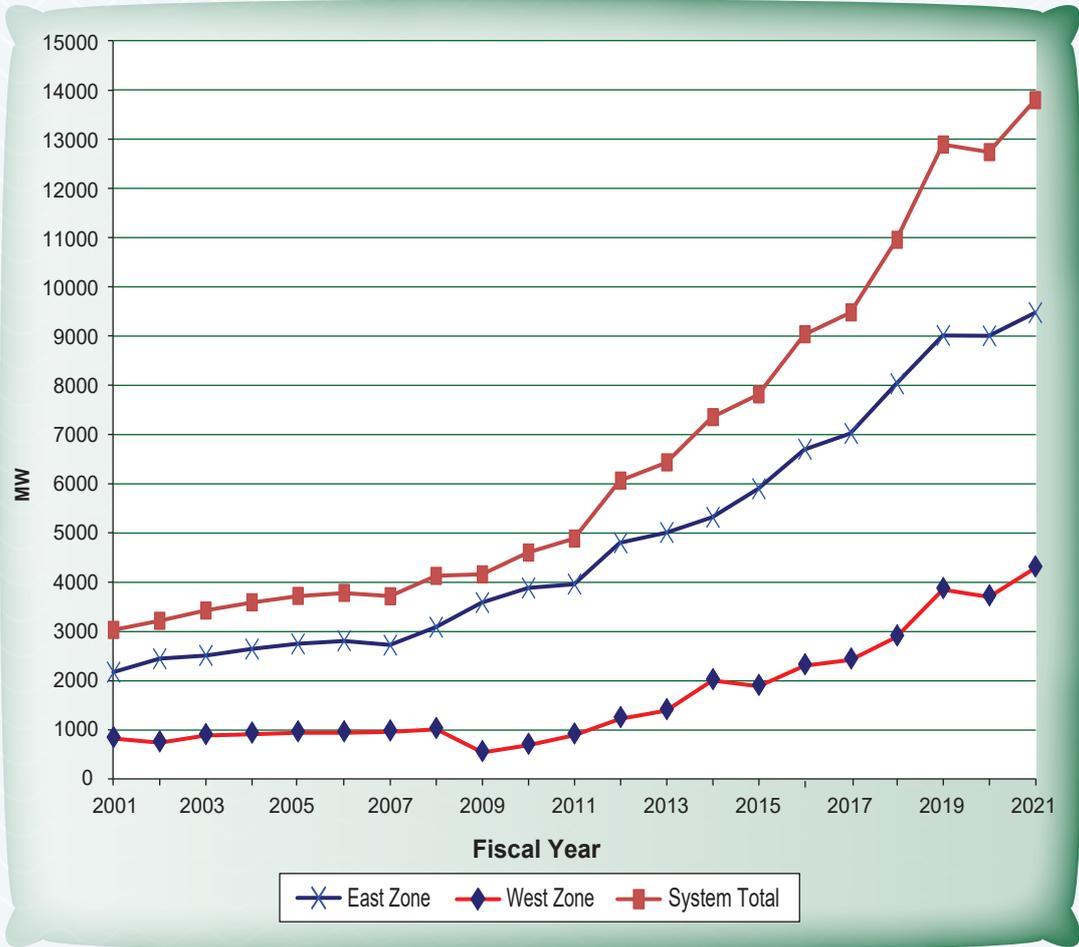
Daily Load Curve



Year Wise Maximum Generation

Year	Maximum Generation in MW			% Increase over the preceding year
	East Zone	West Zone	System Total	
1970-71	172	53	225	-
1971-72	141	42	183	(18.66)
1972-73	175	47	222	21.53
1973-74	185	65	250	12.60
1974-75	199	67	266	6.36
1975-76	220	81	301	13.28
1976-77	254	88	342	13.49
1977-78	287	109	396	15.78
1978-79	331	105	437	10.25
1979-80	338	124	462	5.82
1980-81	399	146	545	18.03
1981-82	451	153	604	10.72
1982-83	506	203	709	17.45
1983-84	549	212	761	7.40
1984-85	651	236	887	16.47
1985-86	613	270	883	(0.47)
1986-87	734	349	1,084	22.76
1987-88	925	392	1,317	21.55
1988-89	980	413	1,393	5.77
1989-90	1,070	439	1,509	8.33
1990-91	1,141	499	1,640	8.68
1991-92	1,160	512	1,672	1.95
1992-93	1,293	530	1,823	9.05
1993-94	1,355	520	1,875	2.84
1994-95	1,472	498	1,970	5.07
1995-96	1,497	590	2,087	5.96
1996-97	1,594	520	2,114	1.29
1997-98	1,560	577	2,136	1.03
1998-99	1,828	621	2,449	14.62
1999-00	1,878	787	2,665	8.84
2000-01	2,175	858	3,033	13.82
2001-02	2,447	771	3,218	6.08
2002-03	2,512	917	3,428	6.54
2003-04	2,646	946	3,592	4.79
2004-05	2,750	971	3,721	3.58
2005-06	2,809	973	3,782	1.65
2006-07	2,725	993	3,718	(1.70)
2007-08	3,089	1,041	4,130	11.09
2008-09	3,589	573	4,162	0.78
2009-10	3,883	723	4,606	10.67
2010-11	3,962	928	4,890	6.17
2011-12	4,805	1,261	6,066	24.05
2012-13	5,010	1,424	6,434	6.07
2013-14	5,320	2,036	7,356	14.33
2014-15	5,902	1,915	7,817	6.27
2015-16	6,699	2,337	9,036	15.59
2016-17	7,024	2,455	9,479	4.90
2017-18	8,034	2,924	10,958	15.60
2018-19	9,012	3,881	12,893	17.66
2019-20	9,005	3,733	12,738	(1.20)
2020-21	9,473	4,319	13,792	8.27

Trends of Maximum Generation (Actual)



BPDB Chairman Engr. Md. Belayet Hossain visiting under construction Khulna 330 MW Power Plant.

Plant Wise Generation (FY 2020-21)

Sl. No.	Name of power plant	Type of Fuel	Generation Capacity Installed (MW)	Net Energy Generation (GWh)	Annual Plant factor (%)
PUBLIC					
DHAKA ZONE					
1	a) Ghorasal TPP (Unit 1& 2)	Gas	0	30.1564	5.8%
	b) Ghorasal Repowered CCPP Unit-3	Gas	260	47.1487	2.3%
	c) Ghorasal Repowered CCPP Unit-4	Gas	210	280.5226	19.7%
	d) Ghorasal TPP Unit-5	Gas	210	963.6894	62.0%
	e) Ghorasal TPP Unit-6	Gas	0	-2.2060	-
2	Ghorasal 365 MW CCPP Unit-7	Gas	365	1315.1245	43.4%
3	Tongi 80 MW GTPP	Gas	105	-0.2004	-
4	Haripur GTPP	Gas	32	-0.4225	-
5	210 MW Shiddirganj TPP	Gas	210	-1.2870	-
6	Siddhirganj 2x120 MW GTPP	Gas	210	563.9633	31.8%
7	Haripur 412 MW CCPP	Gas	412	1817.5804	52.7%
8	Gazipur 52 MW PP	F.Oil	52	112.6812	25.5%
9	Kodda 150 MW PP	F.Oil	149	387.4975	30.8%
10	Siddhirganj 335 MW CCPP	Gas	335	1042.3959	37.3%
11	Gazipur 100 MW PP	F.Oil	105	370.9008	41.0%
CHATTOGRAM ZONE					
12	Karnafuli Hydro	Hydro	230	654.9908	32.6%
13	Rauzan 210 MW /ST (1st)	Gas	210	403.4491	29.7%
	Rauzan 210 MW /ST (2nd)	Gas	210	0.0000	-
14	Shikalbaha 150 MW Peaking PP	Gas	-	641.9223	50.5%
		Gas	150	0.1614	
15	Hathazari 100 MW Peaking PP	F.Oil	98	-0.8567	0.1%
16	Sangu, Dohazari-kaliaish 100 MW PPP	F.Oil	102	203.2578	23.4%
17	RPCL Raozan 25 MW	F.Oil	25	68.4048	32.1%
18	Shikalbaha 225 MW PS	Gas	225	1014.6721	53.6%
		HSD		0.4031	-
19	Sonagazi 1 MW Wind PP	Wind	0	0.0230	-
20	Kutubdia 900KW Wind PP	Wind	0	0.6083	-
21	Kaptai Solar	Solar	7	9.7123	15.9%
CUMILLA ZONE					
22	a) Ashuganj TPP Unit-3	Gas	150	222.9391	20.9%
	b) Ashuganj TPP Unit-4	Gas	150	279.6746	26.1%
	c) Ashuganj TPP Unit-5	Gas	150	215.2755	20.2%
23	Ashuganj 50 MW PP	Gas	53	184.7955	48.3%
24	Ashuganj 225 MW CCPP	Gas	221	1574.3307	82.8%
25	Ashuganj 450 MW CCPP (South)	Gas	360	1955.5730	64.6%
26	Ashuganj 450 MW CCPP (North)	Gas	360	2088.9237	69.4%
27	Chandpur 150 MW CCPP	Gas	163	596.5169	44.1%
28	Titas 50 MW Peaking PP	F.Oil	52	45.1598	10.4%
SYLHET ZONE					
29	Shahjibazar 70 MW GT, Habiganj	Gas	70	361.4274	62.8%
30	Shahjibazar 330 MW CCPP	Gas	330	1505.2982	54.6%
31	Fenchuganj C.C. (Unit #1)	Gas	97	396.7305	66.2%
32	Fenchuganj C.C. (Unit #2)	Gas	104	240.2846	34.0%
33	Sylhet 1x20 MW /GT	Gas	20	111.0293	63.7%
34	Sylhet 225 MW CCPP	Gas	231	1075.5239	54.8%
35	Bibiana III 400 MW CCPP	Gas	400	1839.7120	54.9%
36	Shahazibazar 100 MW GT	Gas	100	39.4552	5.2%
37	Bibiyana - South 383 MW CCPP	Gas	383	1351.3021	40.6%
KHULNA ZONE					
38	Khulna 225 MW (NWPGL)	HSD	230	279.0524	14.4%
39	Bheramara GT unit-3	HSD	20	-0.1532	0.0%
40	Bheramara 360 MW CCPP (NWPGL)	Gas	410	2706.8683	78.9%
41	Faridpur 50 MW Peaking PP	F.Oil	54	15.5429	3.7%
42	Gopalganj 100 MW Peaking PP	F.Oil	109	4.1326	0.7%
43	Modhumoti 105 MW NWPGL	F.Oil	105	12.4258	1.5%

Sl. No.	Name of power plant	Type of fuel	Generation Capacity Installed (MW)	Net Energy Generation (GWh)	Annual Plant factor (%)
BARISHAL ZONE					
44	Bhola 225 MW CCGP	Gas	194	315.2895	20.1%
RAJSHAHI ZONE					
45	Baghabari 71 MW /GT Baghabari 100 MW /GT	Gas	71	57.6144	18.0%
		Gas	100	52.5356	
46	Sirajgonj 210 MW CC (NWPGL) Unit-1	Gas	210	216.5913	12.2%
		HSD		0.0000	
47	Baghabari 50 MW Peaking RE	F.Oil	52	85.4892	19.1%
48	Bera 70 MW Peaking RE	F.Oil	71	31.2907	5.2%
49	Santahar 50 MW PP	F.Oil	50	42.8089	10.0%
50	Katakhali 50 MW PP	F.Oil	50	51.4384	12.0%
51	Chapainobabgonj Peaking Power Station 100 MW, Amnura	F.Oil	104	259.43144	29.1%
52	Sirajgonj 210 MW CC (NWPGL) Unit-2	Gas	220	1135.6566	61.6%
		HSD		0.0000	
53	Sirajgonj 210 MW CC (NWPGL) Unit-3	Gas	220	1447.0055	78.1%
		HSD		0.0000	
54	Sirajgonj 2 MW Wind Plant	Wind	-	0.0301	-
55	Sirajgonj 7.6 MW Solar Power Plant	Solar	6	3.9538	-
RANGPUR ZONE					
56	Barapukuria Coal based S/T (unit 1,2)	COAL	250	86.4905	7.8%
57	Barapukuria Coal based S/T (unit 3)	COAL	274	1098.3259	51.8%
58	Saidpur 20 MW /GT	HSD	20	2.0647	1.3%
59	Rangpur 20 MW /GT	HSD	20	1.4037	0.9%
	Total (Grid)		10,146	31,912	38.90%
	Isolated East	HSD	0	3.52	
	Isolated West	HSD	0	0.00	
	Total PUBLIC		10,146	31915.78	
JOINT VENTURE					
1	Payra, Potuakhali 2*660 MW PP (U-1)	COAL	622	2049.4159	39.7%
	Payra, Potuakhali 2*660 MW PP (U-2)		622	1762.5061	33.9%
	Total Joint Venture		1244	3,811.92	36.8%
PRIVATE					
A. IPP					
1	Midland Power Co. Ashuganj 51 MW	GAS	51	294.1240	66%
2	Rural Power Company Ltd.(RPCL)	GAS	210	1150.0912	63%
3	Haripur Power Ltd.	GAS	360	2315.3790	73%
4	Meghnaghat Power Ltd.	GAS	450	2275.4899	58%
5	Regent Energy & Power Ltd 108 MW	GAS	108	591.4501	63%
6	United Power Co. Ltd.200 MW Exp	GAS	195	145.6385	9%
7	Summit Bibiyana - II Power Co Ltd. 341 MW	GAS	341	2455.8871	82%
8	Kushiara power Co. Ltd (163MW)CCPP Fenchuganj	GAS	163	1065.5715	75%
9	Sembcorp NWPGL	GAS	414	2945.2366	81%
10	Summit Meghnaghat Power Co.Ltd.	GAS	305	1559.0939	58%
11	Nutan Biddut 220MW Bhola	GAS	220	266.9117	14%
12	Raj Lanka Power Gen.Com. Ltd.Nator 55 MW	F.Oil	52	146.3081	32%
13	Digital Power & Associates Gagnagar	F.Oil	102	325.5640	36%
14	Baraka Patenga	F.Oil	50	198.9216	45%
15	ECPV Chattogram Limited 108 MW	F.Oil	108	190.2545	20%
16	Lakdhanvi lanka- Bangla Jangalia Cumilla 52MW	F.Oil	52	158.5054	35%
17	Sinha Peoples Energy Ltd.Katpatti 52.5 MW Exp	F.Oil	51	21.3606	5%
18	Summit Barishal (110 MW)	F.Oil	110	218.6086	23%
19	Summit Narayangonj Power unit-2 Madangonj (55 MW)	F.Oil	55	259.5017	54%
20	Dhaka(Doreen) Northern Power Ltd.Manikgonj	F.Oil	55	231.8441	48%
21	Dhaka(Doreen) Southern Power Ltd.Nobabgonj	F.Oil	55	237.8964	49%
22	Powerpac Mutiara Jamalpur Power plant Ltd	F.Oil	95	289.7374	35%
23	CLC Power Co. Ltd. 108 MW Bosila Keranigonj	F.Oil	108	0.0000	0%
24	Kamalaghat Banco Energy Generation	F.Oil	54	309.3490	65%
25	Kodda Gazipur 300MW Power Ltd.(unit-2 Summit)	F.Oil	300	1280.2528	49%
26	United Mymensing Power(UMPL) 200MW Generation	F.Oil	200	1019.8212	58%
27	Kodda Gazipur 149MW Power Ltd. (unit-1 Summit) ACE Alliance	F.Oil	149	791.7500	61%
28	Lobonchora Orion Power Rupsha Ltd. 105 MW	F.Oil	105	361.1674	0.4%

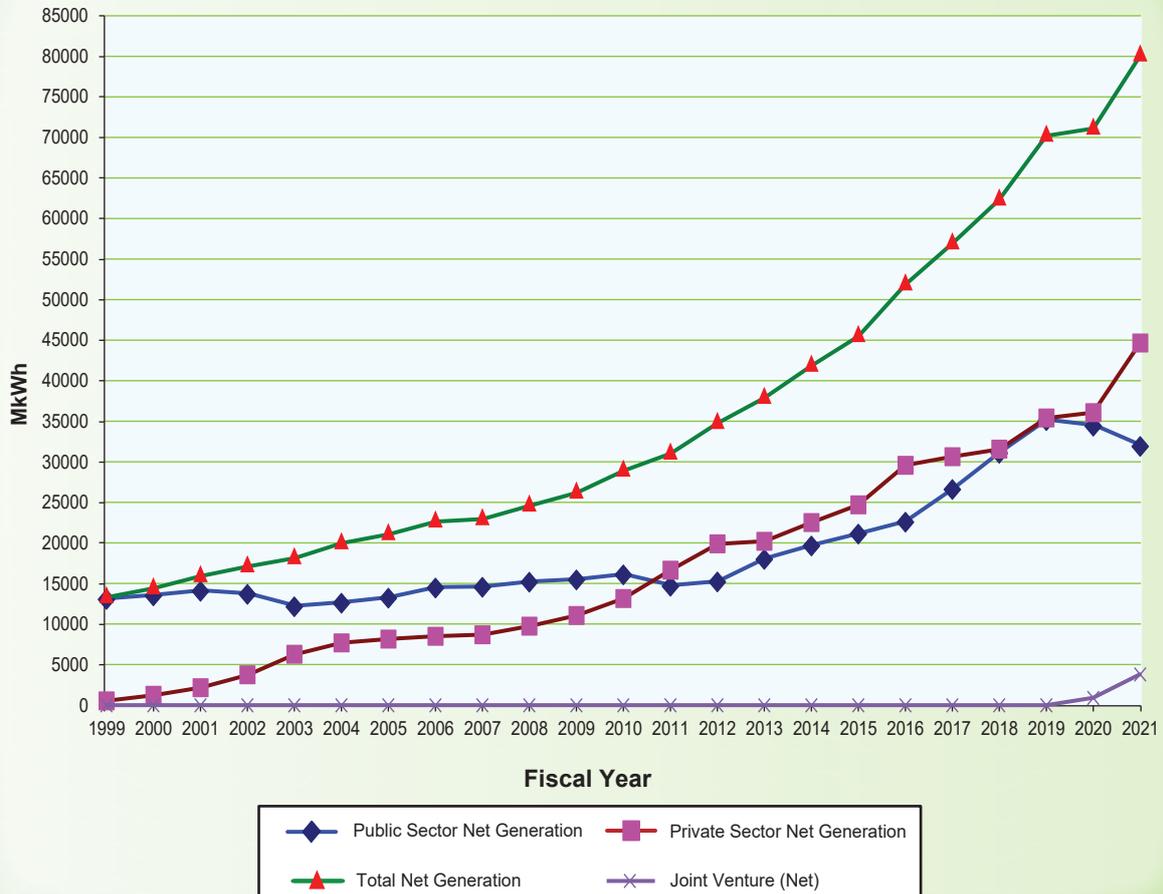
Sl. No.	Name of power plant	Type of fuel	Generation Capacity Installed (MW)	Net Energy Generation (GWh)	Annual Plant factor (%)
29	Desh Energy Chandpur 200 MW	F.Oil	200	535.4999	31%
30	Juldha Acorn 100 MW Unit-3	F.Oil	100	610.5613	70%
31	Ashugonj 150 MW (Midland East)	F.Oil	150	410.3474	31%
32	United Jamalpur PPL	F.Oil	115	538.4717	53%
33	Confidence CPBL- 2 Bogura	F.Oil	113	447.8107	45%
34	Baraka Shikalbaha 105MW PS	F.Oil	105	160.1848	17%
35	United Anwara 300MW PS	F.Oil	300	1195.9981	46%
36	Confidence Power Ltd. 113MW Rangpur	F.Oil	113	494.4000	50%
37	Jodiac Power	F.Oil	54	276.7625	59%
38	Karnaphuli Power Ltd.	F.Oil	110	87.2665	9%
39	Feni Lanka Power 114 MW PP	F.Oil	114	193.2808	19%
40	Bogura 113 MW PP (Confidence) Unit-1	F.Oil	113	468.1931	47%
41	HF 113 MW Power Limited	F.Oil	113	551.0603	56%
42	Julda 100 MW Unit - 2 (Acorn)	F.Oil	100	687.7112	79%
43	Manikganj 162MW P0wer Generation	F.Oil	162	373.1234	26%
44	Orion Power Sonargaon Ltd.	F.Oil	104	451.8127	50%
45	Anlima Chattogram 116 MW	F.Oil	116	125.1359	12%
46	Tangail Polly Power 22 MW TPPGCI	F.Oil	22	74.9804	39%
47	Bhairab Power 54.5 MW	F.Oil	54	70.3824	15%
48	United Payra PP Patuakhali Imp	F.Oil	150	33.4596	3%
49	APR Energy 300MW	HSD	300	71.9614	3%
50	Daudkandi 200MW(Bangla Trac)	HSD	200	40.5404	2%
51	Noapara 100MW (Bangla Trac)	HSD	100	122.2197	14%
52	Aggreko, Aourahati 100MW	HSD	100	37.1663	4%
53	Aggreko, Brahmangaon 100MW	HSD	100	28.8673	3%
54	Paramount Baghabari BanglaTrack	HSD	200	22.1198	1%
55	Sharishabari 3 MW Engreen Solar Power Plant	Solar	3	3.9442	15%
56	20 MW Solar Teknaf	Solar	20	33.4382	19%
57	Sympa Solar Power 8 MW	Solar	8	11.2690	16%
58	50 MW HDFC Solar Power Plant	Solar	50	64.8588	15%
59	Manikganj 35MW Spectra Solar Park Ltd.	Solar	35	29.1477	10%
-	Sailo Solar Power Plant Shantahar	Solar	-	0.1646	-
-	Shailla 400 KW Solar	Solar	-	1.0031	-
Sub-Total IPP			8042	29358.86	42%
B. RENTAL & SIPP					
1	Bogura RPP (24MW) 15 yrs	GAS	22	167.4902	87%
2	Bogura 20 RPP (3 Yrs) Energy Prima	GAS	20	30.3411	17%
-	Ghorashal 78 MW QRPP (3 Yrs Max Power)	GAS	-	102.4493	35%
3	Tangail SIPP (22 MW) (Doreen Power Ltd.)	GAS	22	141.1988	73%
4	Feni SIPP (22 MW) (Doreen Power Ltd.)	GAS	22	160.0048	83%
5	Jangalia 33 MW (Summit Purbanchol Po. Co. Ltd.)	GAS	33	258.2576	89%
6	Ashugonj 55 MW 3Yrs Rental (Precision Energy)	GAS	55	208.8067	43%
7	Sahzibazar 86 MW RPP (15 yrs)	GAS	86	605.4847	80%
8	Kumargao 10 MW Desh Combridge (15 Yrs)	GAS	10	61.4628	70%
9	Fenchugonj 51 MW Rental (15 Yrs) (Barakatullah)	GAS	51	353.0717	79%
-	Fenchugonj 50 MW Rental (Energy Prima)	GAS	-	219.7947	86%
10	Barabkundu SIPP 22 MW (Regent Power)	GAS	22	157.7652	82%
-	Malancha, EPZ, Ctg	GAS	-	202.7794	0%
11	Bhola 32 MW (Venture Energy Resources Ltd.)	GAS	33	199.5380	69%
-	Shahjahanullah Power Gen Co. Ltd.	GAS	-	102.6552	47%
12	Aggreko 95 MW Bhola	GAS	95	511.5654	61%
13	KPCL(115 MW) U-2	F.oil	115	433.6464	43%
-	Khanjahan Ali Noapara 40 MW	F.oil	-	92.2828	29%
14	Summit Power Co. Ltd Madangonj (100 MW)	F.oil	102	353.3363	40%
15	IEL, Meghnaghat 100 MW	F.oil	100	270.9907	31%
16	Shiddirganj Dutchbangla 100 MW	F.oil	100	366.3626	42%
17	Amnura 50MW Sinha Power	F.oil	50	34.3120	8%
18	Power Pac Mutiara, Keranigonj, 100MW	F.oil	100	217.8660	25%
19	Julda Acorn Infra.service Ltd. 100MW	F.oil	100	189.9422	22%
20	Katakhali (Northern) Peaking	F.oil	50	21.6708	5%
Sub-Total RENTAL& SIPP			1,188	5463.08	37%
C. IMPORT					
1	Power Import (Bheramara-Bharampur Phase-1)	Import	500	1730.7260	
2	Import from Tripura (1st Phase)	Import	100	1028.8180	
3	Import from Tripura (2nd Phase)	Import	60	1023.5395	
4	Power Import (Bheramara-Bharampur Phase-2)	Import	300	2539.0500	
5	Sembcorp Energy India Ltd.	Import	200	1781.2230	
Total Energy IMPORT			1,160	8,103.36	
SIPP (REB)			251	1769.5400	
GRAND TOTAL			22,031	80422.54	

Year Wise Energy Generation (National)

In MkwH

Year	Gross Energy Generation of Public Sector			Net Generation of Public Sector	Joint Venture (Net)	Total Private Generation Includ. REB (Net)	Total Generation (Net)	% Change Over the Preceding Year	Energy Transfer through East-West Interconnector	
	East Zone	West Zone	System Total						East to West	West to East
1970-71	725	204	929	896	-	-	896	-	-	-
1971-72	582	135	717	683	-	-	683	(23.79)	-	-
1972-73	857	229	1086	1043	-	-	1,043	52.74	-	-
1973-74	982	283	1265	1199	-	-	1,199	14.96	-	-
1974-75	1022	300	1322	1251	-	-	1,251	4.33	-	-
1975-76	1116	344	1460	1371	-	-	1,371	9.60	-	-
1976-77	1224	394	1619	1525	-	-	1,525	11.25	-	-
1977-78	1444	468	1913	1819	-	-	1,819	19.26	-	-
1978-79	1603	519	2122	2017	-	-	2,017	10.91	-	-
1979-80	1745	609	2353	2238	-	-	2,238	10.93	-	-
1980-81	1,978	684	2,662	2540	-	-	2,540	13.49	-	-
1981-82	2,292	744	3,036	2896	-	-	2,896	14.02	-	-
1982-83	2,846	587	3,433	3294	-	-	3,294	13.75	341.32	0.24
1983-84	3,398	568	3,966	3803	-	-	3,803	15.45	519.04	1.44
1984-85	3,656	873	4,528	4327	-	-	4,327	13.77	477.41	20.63
1985-86	3,488	1,312	4,800	4560	-	-	4,560	5.40	222.40	106.43
1986-87	4,749	838	5,587	5308	-	-	5,308	16.39	797.84	10.91
1987-88	5,753	789	6,541	6214	-	-	6,214	17.08	1,179.54	0.02
1988-89	6,534	581	7,115	6759	-	-	6,759	8.77	1,550.00	-
1989-90	7,401	331	7,732	7345	-	-	7,345	8.67	1,956.78	-
1990-91	8,126	144	8,270	7857	-	-	7,857	6.96	2,314.07	-
1991-92	8,500	394	8,894	8450	-	-	8,450	7.55	2,213.00	-
1992-93	8,583	624	9,206	8746	-	-	8,746	3.51	1,919.89	-
1993-94	9,129	655	9,784	9295	-	-	9,295	6.28	1,980.76	-
1994-95	9,885	921	10,806	10266	-	-	10,266	10.45	1,954.62	-
1995-96	10,735	740	11,474	10901	-	-	10,901	6.18	2,215.02	-
1996-97	10,805	1,053	11,858	11,243	-	-	11,243	3.14	1,924.17	-
1997-98	11,789	1,093	12,882	12,194	-	-	12,194	8.46	1,997.00	-
1998-99	13,126	746	13,872	13,060	-	578	13,638	11.84	2,186.00	-
1999-00	13,634	684	14,318	13,495	-	1,244	14,739	8.07	2,482.45	-
2000-01	13,717	1,111	14,828	14,062	-	2,193	16,255	10.28	1,979.40	-
2001-02	13,267	1,183	14,450	13,674	-	3,771	17,445	7.32	2,249.16	-
2002-03	11,371	1,510	12,881	12,159	-	6,299	18,458	5.80	2,170.40	-
2003-04	11,303	2,039	13,342	12,584	-	7,718	20,302	9.99	2,135.55	-
2004-05	11,910	2,157	14,067	13,223	-	8,185	21,408	5.45	2,146.20	-
2005-06	13,177	2,240	15,417	14,456	-	8,522	22,978	7.33	2344.72	-
2006-07	12,964	2,531	15,495	14,539	-	8,729	23,268	1.26	1950.25	-
2007-08	13,397	2,758	16,155	15,167	-	9,779	24,946	7.21	2462.08	-
2008-09	13,627	2,803	16,431	15,449	-	11,084	26,533	6.36	2548.99	-
2009-10	14,735	2,329	17,064	16,072	-	13,175	29,247	10.23	3831.43	-
2010-11	12,845	2,680	15,525	14,673	-	16,682	31,355	7.21	3574.00	-
2011-12	13,316	2,758	16,074	15,201	-	19,917	35,118	12.00	4445.42	-
2012-13	15,078	3,929	19,008	17,994	-	20,235	38,229	8.86	4695.49	-
2013-14	15,726	4,943	20,669	19,645	-	22,550	42,195	10.37	3138.37	-
2014-15	16,950	5,214	22,163	21,103	-	24,733	45,836	8.63	3043.08	-
2015-16	17,542	6,179	23,721	22,585	-	29,608	52,193	13.87	2859.60	-
2016-17	21,343	6,594	27,938	26,597	-	30,679	57,276	9.74	2398.56	-
2017-18	24,231	8,276	32,507	31,082	-	31,595	62,677	9.43	2721.00	-
2018-19	26,755	9,963	36,718	35,107	-	35,426	70,533	12.53	2179.00	-
2019-20	26,094	10,980	37,074	34,415	901	36,102	71,418	1.25	2119.86	-
2020-21	25,104	8,386	33,490	31,916	3,812	44,695	80,423	12.61	1899.54	-

Total Net Energy Generation



Chairman, BPDB Engr. Md. Belayet Hossain inspecting repair and maintenance work of 2nd unit of Chattogram Power Station.

Year Wise Per Capita Generation and Consumption (Grid)

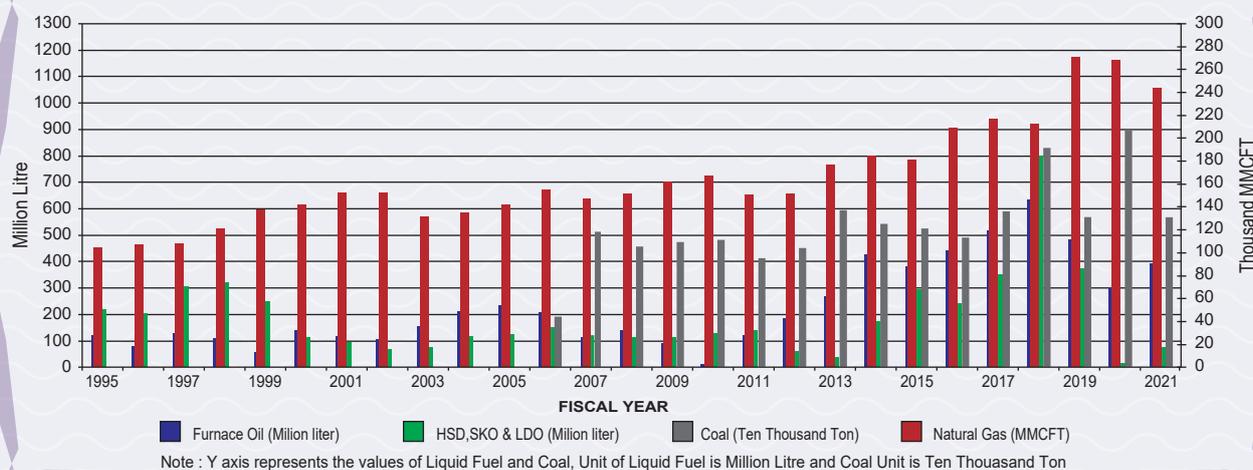
Year	Total Net Generation (GWh)	Total Population (In million) *	Total Sale (MkWh)	Per Capita Generation (kWh)	Per Capita Consumption (kWh)
1970-71	896	66	682.7	13.67	10.42
1971-72	683	67	468.00	10.25	7.02
1972-73	1043	68	623.9	15.42	9.22
1973-74	1199	69	828.2	17.44	12.05
1974-75	1251	70	835.2	17.85	11.92
1975-76	1371	72	932	19.13	13.01
1976-77	1,525	73	1,013	20.76	13.79
1977-78	1,819	75	1,205	24.11	15.96
1978-79	2,017	78	1,381	26.02	17.82
1979-80	2,238	80	1,406	28.10	17.66
1980-81	2,540	82	1,740	31.06	21.27
1981-82	2,896	84	2,024	34.50	24.12
1982-83	3,294	86	2,380	38.24	27.63
1983-84	3,803	88	2,680	43.01	30.31
1984-85	4,327	91	2,799	47.67	30.84
1985-86	4,560	93	3,247	48.94	34.84
1986-87	5,308	96	3,424	55.48	35.79
1987-88	6,214	98	3,703	63.29	37.71
1988-89	6,759	101	3,925	67.12	38.98
1989-90	7,345	103	4,405	71.20	42.69
1990-91	7,857	106	4,777	74.40	45.24
1991-92	8,450	108	5,086	78.25	47.10
1992-93	8,746	110	5,748	79.26	52.09
1993-94	9,295	113	6,149	82.45	54.54
1994-95	10,266	115	6,935	89.14	60.21
1995-96	10,901	118	7,454	92.65	63.36
1996-97	11,243	120	7,822	93.57	78.90
1997-98	12,194	123	8,382	99.39	68.33
1998-99	13,638	125	9,305	108.94	74.32
1999-00	14,739	128	10,083	115.46	78.98
2000-01	16,255	130	11,409	125.13	87.83
2001-02	17,445	132	12,447	136.02	94.58
2002-03	18,458	133	13,871	138.36	103.98
2003-04	20,302	135	15,332	150.16	113.41
2004-05	21,408	137	16,338	156.26	119.26
2005-06	22,978	140	18,128	164.36	129.67
2006-07	23,268	142	18,696	164.09	131.85
2007-08	24,946	144	20,415	173.48	141.97
2008-09	26,533	146	21,955	181.98	150.59
2009-10	29,247	148	24,596	197.88	166.42
2010-11	31,355	150	26,587	209.46	177.60
2011-12	35,118	152	29,974	231.65	197.72
2012-13	38,229	154	32,740	248.73	213.01
2013-14	42,195	156	36,233	270.83	232.56
2014-15	45,836	158	39,624	290.28	250.95
2015-16	52,193	160	45,299	326.41	283.30
2016-17	57,276	162	50,264	354.10	310.75
2017-18	62,677	164	55,103	383.00	336.71
2018-19	70,533	166	62,037	426.05	374.73
2019-20	71,419	168	63,364	426.23	378.16
2020-21	80,423	169	71,470	475.00	422.13

* World Bank Data from 1971-2000.

* BBS & Bangladesh Bank Data Book.

Year Wise Fuel Consumption of Public Sector Power Plants

Year	Natural Gas in MMCFT	Liquid Fuel in Million liter		Coal (Million Ton)
		Furnace oil	HSD, SKO & LDO	
1975-76	8841.12	81.91	0.39	-
1976-77	10850.48	75.05	67.97	-
1977-78	13081.39	80.77	103.35	-
1978-79	14589.55	128.41	84.50	-
1979-80	15940.70	103.63	134.58	-
1980-81	18904.42	68.66	209.44	-
1981-82	22251.24	77.47	229.56	-
1982-83	27697.51	120.06	113.20	-
1983-84	30298.69	175.55	86.63	-
1984-85	38116.27	201.16	94.23	-
1985-86	39809.78	283.49	142.51	-
1986-87	51773.82	199.03	94.35	-
1987-88	59220.57	231.51	52.00	-
1988-89	62291.95	122.68	103.58	-
1989-90	72461.50	53.50	78.02	-
1990-91	78258.10	17.73	40.64	-
1991-92	83803.43	68.87	75.78	-
1992-93	88117.25	127.27	94.21	-
1993-94	92064.05	122.70	113.79	-
1994-95	103907.60	118.42	216.80	-
1995-96	106592.75	75.58	200.49	-
1996-97	107240.03	124.48	304.13	-
1997-98	120376.26	108.47	320.11	-
1998-99	136802.00	53.14	245.05	-
1999-00	141330.13	137.35	110.49	-
2000-01	151312.47	114.02	92.01	-
2001-02	151577.35	102.10	66.00	-
2002-03	131180.00	154.20	74.08	-
2003-04	134482.37	209.17	114.32	-
2004-05	141021.85	229.86	123.75	-
2005-06	153920.65	204.85	149.61	0.19
2006-07	146261.67	111.84	119.19	0.51
2007-08	150991.54	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	150031.41	118.78	137.66	0.41
2011-12	151047.84	182.48	59.89	0.45
2012-13	175944.51	266.11	34.97	0.59
2013-14	183522.79	424.72	175.00	0.54
2014-15	180765.64	378.13	291.06	0.52
2015-16	207838.44	439.33	238.22	0.49
2016-17	215894.52	512.56	347.98	0.59
2017-18	211341.98	615.35	795.34	0.82
2018-19	269829.08	480.06	372.50	0.57
2019-20	267767.94	301.09	11.93	0.89
2020-21	243082.20	389.07	74.00	0.56



Year Wise Fuel Cost of Public Sector Power Plants

Million Taka

Year	East Zone	West Zone	System Total	% Change over preceding Year
1991-1992	3,337	1,484	4,821	-
1992-1993	3,803	2,157	5,960	23.62
1993-1994	4,085	2,388	6,473	8.61
1994-1995	4,951	3,242	8,193	26.58
1995-1996	5,072	2,828	7,900	(3.58)
1996-1997	4,882	4,376	9,258	17.20
1997-1998	5,809	4,479	10,289	11.13
1998-1999	7,116	3,325	10,441	1.48
1999-2000	7,732	2,080	9,812	(6.02)
2000-2001	8,846	2,533	11,378	15.96
2001-2002	9,152	2,474	11,626	2.18
2002-2003	8,324	3,488	11,813	1.60
2003-2004	8,482	4,926	13,409	13.51
2004-2005	9,313	6,757	16,070	19.85
2005-2006	8,945	7,385	16,330	1.62
2006-2007	7,265	9,494	16,759	2.63
2007-2008	8,759	8,194	16,953	1.16
2008-2009	6,624	11,609	18,232	7.54
2009-2010	7,120	9,245	16,364	(10.25)
2010-2011	6,431	12,632	19,063	16.49
2011-2012	13,831	14,740	28,571	49.88
2012-2013	18,885	18,380	37,266	30.43
2013-2014	23,430	32,822	56,252	50.95
2014-2015	23,307	36,946	60,253	7.11
2015-2016	31,753	30,137	61,890	2.72
2016-2017	32,261	35,699	67,960	9.81
2017-2018	55,611	50,098	105,709	55.55
2018-2019	38,427	30,157	68,584	(35.12)
2019-2020	33,455	24,410	57,865	(15.63)
2020-2021	35,031	22,184	57,215	(1.12)

Fuel Price

SL. No.	Fuel Type	Unit price with effect from																							
		06.01.03	08.06.04	01.01.05	04.09.05	26.06.06	02.04.08	01.07.08	27.10.08	23.12.08	13.01.09	15.03.09	01.08.09	01.07.10	05.05.11	01.01.12	01.02.12	04.01.13	01.05.15	24.05.16	01.03.17	01.06.17	01.06.19		
1.	High speed Diesel oil (TK./Lit)	19.83	19.83	22.37	29.18	31.98	40.00	53.43	46.51	44.61	42.71	42.71	42.71	42.71	46.00	61.00	61.00	68.00	68.00	65.00	65.00	65.00	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	26.00	26.00	26.00	26.00	42.00	60.00	60.00	60.00	60.00	42.00	42.00	42.00	42.00	42.00	42.00
3.	Natarul Gas (TK./ 1000 Cft)	70.00	70.00	73.91	73.91	73.91	73.91	73.91	73.91	73.91	73.91	73.91	79.82	79.82	79.82	79.82	79.82	79.82	79.82	79.82	84.65	89.46	126		
4.	Coal (US \$./ M Ton)					60	60	71.5	71.5	71.5	71.5	71.5	71.5	86.00	86.00	86.00	105.00	105.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00

TRANSMISSION TABLES AND CHARTS

CIRCLE WISE SUB-STATIONS CAPACITY (MVA) (As of June 2021)

Present Grid Sub-station:

Summary of 400 KV HVDC Sub-Station

S.N.	Name of Sub-station	Capacity
01	Bheramara HVDC Back to Back Station	2x500 MW

Summary of 400/230 KV Sub-Station Information

S.N.	Name of Sub-station	Circle	Capacity (MVA)
01	Bibiyana	Cumilla	1040
02	Kaliakoir	Dhaka (N)	1040
03	Ashuganj (N) (APSCL)	Cumilla	650
04	Bhulta	Dhaka (S)	1040
Total		4 No's	3,770

Summary of 400/132 KV Sub-Station Information

S.N.	Name of Sub-station	Circle	Capacity (MVA)
01	Kaliakoir	Dhaka(N)	650
02	Gopalganj (N)	Khulna	650
Total		1 No's	1,300

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

S.N.	Circle Name	PGCB		BPDB/APSCL/NWPGCL		Private	
		No. 's of Sub-station	Capacity (MVA)	No. 's of Sub-station	Capacity (MVA)	No. 's of Sub-station	Capacity (MVA)
01	Bogura	3+1 (Switching)	2100	-	-	-	-
02	Chattogram	3	1800	-	-	3	910
03	Cumilla	2	1050	1	300	-	-
04	Dhaka (N)	4	1950	1	250	-	-
05	Dhaka (S)	7+1 (Switching)	4725	-	-	-	-
06	HVDC	3	1650	-	-	-	-
07	Khulna	2	1350	-	-	-	-
Total		26	14,625	2	550	3	910
Grand Total (MVA)				31 No.'s		16,085 MVA	

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

S.N.	Circle Name	PGCB		BPDB/APSCL		DPDC, DESCO & Others	
		No. 's of S/S	Capacity (MVA)	No. 's of S/S	Capacity (MVA)	No. 's of S/S	Capacity (MVA)
01	Bogura	24	4969	-	-	-	-
02	Chattogram	16	2427	2	136.6	7	415
03	Cumilla	18	3346	1	116	1	35
04	Dhaka (N)	21	5298	1	126	8	2205
05	Dhaka (S)	13	2575	-	-	15	2598
06	HVDC	10	1872	-	-	-	20
07	Khulna	18	3005	1	60	-	-
Total		120	23,492	5	439	31	5,273
Grand Total (MVA)				145 No's		26,222 MVA	

Dispatch Capacity at 33kV voltage level: 27,102 MW

Synopsis of Transmission Lines

(As of June 2021)

400 KV Transmission Lines

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
1	HVDC Bheramara-Bangladesh Border (Baharampur)	27.35	54.7	Double	Twin Finch	1113 MCM
2	Aminbazar-Meghnaghat*	55	110	Double	Quad Egret	636 MCM
3	Cumilla(N)- Bangladesh Border**	28	56	Double	Twin Finch	1113 MCM
4	Bibiyana-Kaliakoir	169.53	339.06	Double	Twin Finch	1113 MCM
5	Ashuganj(N)-Bhulta	69	138	Double	Twin Finch	1113 MCM
6	Payra-Gopalganj(N)	163.55	163.55	Double	Quad ACCC Finch	1113 MCM
7	BSRM- Mirsarai	16.5	33	Double	Twin ACCC Finch	1113 MCM
8	HVDC Bheramara-Bangladesh Border (Baharampur) 2nd	27.91	55.83	Double	Twin Finch	1113 MCM
Total		556.84	950.14			

* Presently Operated at 230kV

** Presently Operated at 132kV

230 KV Transmission Lines

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
1	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 - Cumilla 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	Cumilla North - Hathazari	151	302	Double	Finch	1113 MCM
11	AES, Haripur - Haripur	2.4	4.8	Double	Finch	1113 MCM
12	Cumilla North - Meghnaghat	58	116	Double	Twin Mallard	2x795 MCM
13	Tongi-Aminbazar	25.2	50.4	Double	Twin AAAC	37/4.176 mm.
14	Aminbazar-Hasnabad	21.5	43	Double	Twin AAAC	37/4.176 mm.
15	Siddhirganj 210 MW P/S -Haripur	1.5	1.5	Single	ACSR	600 sq. mm.
16	Ashuganj - Sirajganj	144	288	Double	Twin AAAC	37/4.176 mm.
17	Khulna-Bheramara HVDC	176.5	353	Double	Twin AAAC	37/4.176 mm.
18	Bheramara HVDC-Ishurdi	10.1	20.2	Double	Twin AAAC	37/4.176 mm.
19	Bogura-Barapukuria	106	212	Double	Twin AAAC	37/4.176 mm.
20	Sirajganj-Bogura	72.5	145	Double	Twin AAAC	37/4.176 mm.
21	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-Cumilla(N)	153.55	307	Double	Twin Mallard	2x795 MCM
25	Aminbazar-Old Airport (O/H)	3.58	7.15	Double	Twin Mallard	2x795 MCM
26	Aminbazar-Old Airport (U/G)	4.01	8.03	Double	XLPE	2000 sq. mm.
27	Siddhirganj-Maniknagar	11	22	Double	Twin Mallard	2x795 MCM
28	Bhola-Barishal	62.5	125	Double	Twin Mallard	2x795 MCM
29	LILO of Cumilla(N)-Hathazari line at BSRM	0.18	0.72	Double	Finch	1113 MCM
30	LILO of Cumilla(N)-Hathazari line at AKSPL	6.5	13	Double	Finch	1113 MCM
31	LILO of Aminbazar-Tongi line at Kaliakoir	31.96	127.83	Four	Twin AAAC	-
32	Bheramara HVDC-Bheramara 230	3	12	Double	Twin AAAC	-
33	LILO of Ghorashal-Rampura at Bhulta	1.92	3.84	Double	Twin Mallard	2x795 MCM
34	LILO of Haripur-Rampura at Bhulta	2.62	10.49	Four	Twin Mallard	2x795 MCM
35	Haripur-Siddhirganj	1.65	3.3	Double	Twin Mallard	2x795 MCM
36	Bheramara HVDC- Ishwardi	12.8	25.6	Double	Quad Mallard	4x795 MCM
37	LILO of Tongi-Kaliakoir at Kodda PP	0.94	1.88	Double	Twin Mallard	2x795 MCM
38	LILO of Hasnabad-Aminbazar at Keraniganj	0.39	1.57	Four	Twin Mallard	2x795 MCM
39	Sikalbaha-Anowara	17.28	34.56	Double	Twin Mallard	2x795 MCM
40	LILO of Hasnabad-Meghnaghat at Shyampur	0.12	0.46	Four	Twin Mallard	2x795 MCM
41	Patuakhali-Payra	46.5	93	Double	Twin ACCC Mallard	2x795 MCM
42	Ishurdi-Rajshahi	79.12	158.24	Double	Twin Mallard	2x795 MCM
Total		1791.01	3657.94			

132 KV Transmission Lines

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
1	Shahjibazar-Brahmanbaria	57	114	Double	Grosbeak	636 MCM
2	Brahmanbaria-Ashuganj	16.5	33	Double	Grosbeak	636 MCM
3	Ashuganj-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	ACCC 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	ACCC Grosbeak	636 MCM
12	Fenchuganj-Sylhet	31.7	63.4	Double	ACCC Grosbeak	636 MCM
13	Sylhet-Chhatak	32.9	65.8	Double	Grosbeak	636 MCM
14	Kaptai-Hathazari	45	90	Double	Grosbeak	636 MCM
15	Hathazari-Feni	85.4	170.8	Double	Grosbeak	636 MCM
16	Feni-Cumilla (N)	66	132	Double	Grosbeak	636 MCM
17	Cumilla (N)- Daudkandi	55	110	Double	Grosbeak/AAAC	636 MCM
18	Daudkandi-Sonargaon	61.7	123.4	Double	Grosbeak/AAAC	636 MCM
19	Sonargaon-Haripur	15	30	Double	Grosbeak/AAAC	636 MCM
20	Haripur-Siddhirganj	2.25	4.5	Double	Grosbeak	636 MCM
21	Khulshi-Halishahar	13	26	Double	Grosbeak	636 MCM
22	Cumilla (N)-Chandpur	77.5	77.5	Single	Linnet + Grosbeak	(336.4 + 636) MCM
23	Cumilla (N)-Cumilla (S)	16	16	Single	Grosbeak	636 MCM
24	Cumilla (S)-Chandpur	62	62	Single	Linnet	336.4 MCM
25	Ashuganj-Kishoreganj	52	104	Double	ACCC 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	ACCC Grosbeak	636 MCM
32	Sikalbaha-Juldah	7.5	7.5	Single	AAAC	804 sq.mm
33	Juldah-Halishahar	8	8	Single	ACCC 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-Jashore	27.9	55.8	Double	AAAC	804 MCM
50	Jashore-Jhenaidah	47.5	95	Double	AAAC	804 MCM
51	Jhenaidah-Kustia	43	86	Double	ACCC Grosbeak	804 MCM
52	Kustia-Bheramara	23	46	Double	ACCC Grosbeak	804 MCM
53	Bheramara-Ishwardi	10	20	Double	AAAC	804 MCM
54	Ishwardi-Natore	42	84	Double	AAAC	804 MCM
55	Natore-Bogura	61	122	Double	AAAC	804 MCM
56	Bogura-Palashbari	50	100	Double	AAAC	804 MCM
57	Palashbari-Rangpur	52	104	Double	AAAC	804 MCM
58	Rangpur-Saidpur	41.5	83	Double	AAAC	804 MCM
59	Saidpur-Purbasadipur	24.5	49	Double	ACCC Grosbeak	804 MCM
60	Purbasadipur-Thakurgaon	45	90	Double	AAAC	804 MCM
61	Goalpara-Bagerhat	45	45	Single	AAAC	804 MCM
62	Barishal-Bhandaria	49	49	Single	HAWK	477 MCM
63	Bhandaria-Bagerhat	40	40	Single	HAWK	477 MCM
64	Bagerhat-Mongla	28	28	Single	HAWK	477 MCM
65	Barishal-Patuakhali	38.2	38.2	Single	HAWK	477 MCM
66	Bheramara-Faridpur	105	210	Double	ACCC HAWK	477 MCM
67	Faridpur-Madaripur	65.5	131	Double	ACCC HAWK	477 MCM
68	Madaripur-Barishal	59	118	Double	ACCC HAWK	477 MCM
69	Rajshahi-Natore	37	37	Single	HAWK	477 MCM
70	Ishwardi-Baghabari	63	63	Single	HAWK	477 MCM

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
71	Baghabari-Shahjadpur	5	5	Single	HAWK	477 MCM
72	Ishwardi-Pabna	18	18	Single	Grosbeak	636 MCM
73	Pabna-Shahjadpur	41	41	Single	Grosbeak	636 MCM
74	Bogura-Sirajganj	66	132	Double	Grosbeak	636 MCM
75	Sirajganj-Shahjadpur	34	34	Single	Grosbeak	636 MCM
76	Sirajganj-Baghabari	39.7	39.7	Single	Grosbeak	636 MCM
77	Rajshahi-Chapai Nawabganj	48	96	Double	Grosbeak	636 MCM
78	Rangpur-Lalmonirhat	38	38	Single	Grosbeak	636 MCM
79	Bogura-Naogaon	44	88	Double	ACCC Grosbeak	636 MCM
80	Kabirpur-Tangail	51	102	Double	ACCC Grosbeak	636 MCM
81	Tongi-Mirpur	17	17	Single	ACCC Grosbeak	636 MCM
82	Tongi-Uttara	14.5	14.5	Single	Grosbeak	636 MCM
83	Uttara-Mirpur	8.5	8.5	Single	Grosbeak	636 MCM
84	Mirpur-Aminbazar	7	14	Double	Grosbeak	636 MCM
85	Aminbazar-Kallayanpur	4	8	Double	Grosbeak	636 MCM
86	Hasnabad-Lalbagh	30	30	Single	Grosbeak	636 MCM
87	Kamrangirchar-Lalbagh	2.6	2.6	Single	Grosbeak	636 MCM
88	Kallayanpur-Kamrangirchar	11	11	Single	Grosbeak	636 MCM
89	Kallayanpur-Keraniganj	20	20	Single	Grosbeak	636 MCM
90	Hasnabad-Keraniganj	13.6	13.6	Single	Grosbeak	636 MCM
91	Tongi-New Tongi	0.5	1	Double	Grosbeak	636 MCM
92	Hasnabad-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	64	Double	Grosbeak	636 MCM
107	Ullon-Rampura	4	8	Double	Grosbeak	636 MCM
108	Rampura-Bashundhara	8	16	Double	Grosbeak	636 MCM
109	Bashundhara-Tongi	11	22	Double	Grosbeak	636 MCM
110	Rampura-Moghbar	4.5	9	Double	Grosbeak	636 MCM
111	Ghorasal-Joydevpur	28	56	Double	Grosbeak	636 MCM
112	Baghabari-Shahjadpur	5.5	5.5	Single	Grosbeak	636 MCM
113	Chandpur-Chowmuhani	68	136	Double	Grosbeak	636 MCM
114	Barapukuria-Rangpur	42	84	Double	Grosbeak	636 MCM
115	Barapukuria-Saidpur	36	72	Double	ACCC Grosbeak	636 MCM
116	Madaripur-Gopalganj	45	45	Single	AAAC	804 MCM
117	Khulna (C)-Khulna(S)	9	18	Double	Twin AAAC	37/4.176 mm.
118	Khulna(S)-Satkhira	47	94	Double	AAAC	804 MCM
119	Rajshahi-Natore	40	40	Single	Grosbeak	636 MCM
120	Rampura-Gulshan	3.3	6.6	Double	XLPE	800 sq.mm
121	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	BoguraOld-BoguraNew	1.5	3	Double	Twin AAAC	37/4.176 mm.
130	Ashuganj-Shahjibazar	53	53	Single	Grosbeak	636 MCM
131	Khulna (S) -Gallamari	4.2	8.4	Double	Grosbeak	636 MCM
132	Naogaon-Niyamatpur	46	46	Single	AAAC	804 MCM
133	Aminbazar-Savar	15.8	31.6	Double	Grosbeak	636 MCM
134	Jhenaidah-Magura	26.5	26.5	Single	Grosbeak	636 MCM
135	Jhenaidah-Chuadanga	39.3	39.3	Single	Grosbeak	636 MCM
136	Naogaon-Joypurhat	46.2	46.2	Single	Grosbeak	636 MCM
137	Thakurgaon-Panchagarh	45	45	Single	AAAC	636 MCM
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

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
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 Shiddhirganj ss	2.5	2.5	Single	Grosbeak	Grosbeak
145	Faridpur PP to Faridpur -Bheramara	1	1	Single	Grosbeak	Grosbeak
146	Bera PP to Baghabari -Ishwardi line	4.5	4.5	Single	Grosbeak	Grosbeak
147	Amnura PP to Rajshahi-Chapai	12.6	12.6	Single	Grosbeak	Grosbeak
148	Madanganj-Munsiganj	4	8	Double	Grosbeak	Grosbeak
149	Old Airport-Cantonment	6.99	13.98	Double	XLPE	800 sq.mm
150	Fenchuganj- Kulaura	25	50	Double	Grosbeak	636 MCM
151	Jamalpur- Sherpur	20	40	Double	Grosbeak	636 MCM
152	Old Airport-Sajmasjid	8.294	16.588	Double	XLPE	800 sq.mm
153	Rampura-Madertek	4.5	9	Double	XLPE	500 sq.mm
154	Cumilla(N)- Cumilla(S)	19	38	Double	Grosbeak	636 MCM
155	Goalpara-Bagerhat New	45	90	Double	Grosbeak	636 MCM
156	LILO of Kabirpur-Tangail at Kaliakoir	4.28	17.12	Four	ACCC Grosbeak	636 MCM
157	Tangail-RPCL	93.44	186.88	Double	Grosbeak	636 MCM
158	Amnura-Chapai Nawabganj	12.6	12.6	Single	Grosbeak	636 MCM
159	Kaliakoir-Dhamrai	22.73	45.46	Double	Grosbeak	636 MCM
160	Rangamati-Khagrachari	52.3	104.6	Double	Grosbeak	636 MCM
161	Chandraghona-Rangamati	27.7	55.4	Double	Grosbeak	636 MCM
162	Chhatak-Sunamganj	32.05	64.1	Double	Grosbeak	636 MCM
163	Beanibazar-Sylhet T-Connection	30	60	Double	Grosbeak	636 MCM
164	LILO of Tongi-Mirpur Single circuit at Uttara 3P	1.1	2.2	Single	XLPE	800 sq.mm
165	T-connection from Dohazari-Cox's Bazar to Matarbari	18.1	18.1	Single	Grosbeak	636 MCM
166	LILO of Feni-Hathazari double circuit line at Baroirhat	3.1	12.588	Four	Grosbeak	636 MCM
167	Brahmanbaria-Narsingdi	54.8	109.6	Double	Grosbeak	636 MCM
168	Saidpur-Jaldhaka	30	59.902	Double	Grosbeak	636 MCM
169	RNPP-Ishurdi	7	14	Double	Grosbeak	636 MCM
170	Confedence PP - Bogura 230kV	7.9	15.7	Double	Grosbeak	637 MCM
171	LILO of Jamalpur-Sherpur at United PP	3.3	13.36	Four	Grosbeak	638 MCM
172	LILO of Goalpara-Bagerhat single circuit at Labanchora PP	6.2	12.3	Double	Grosbeak	639 MCM
173	Mymensingh-Bhaluka	43	86	Double	Grosbeak	636 MCM
174	LILO of Bogura-Palashbari at Mahasthangarh	0.7	1.36	Double	Grosbeak	636 MCM
175	Modhumati PP - Gopalganj	14.6	14.6	Single	Grosbeak	636 MCM
176	Jashore-Benapole	30.5	60.936	Double	Grosbeak	636 MCM
177	Madaripur-Shariatpur	22	44	Double	Grosbeak	636 MCM
178	LILO of Shyampur-Haripur at Shyampur	0.2	0.792	Four	Grosbeak	Grosbeak
179	Rangpur-Kurigram	40.95	40.949	Single	Grosbeak	636 MCM
180	Magura-Narail	39.486	78.972	Double	Grosbeak	636 MCM
181	LILO of Bogura-Sirajganj at Sherpur (Bogura)	0.654	2.616	Four	Grosbeak	636 MCM
182	LILO of Rajshahi-Chapai-Nawabganj-Amnura at Rajshahi) (N)	0.406	1.624	Four	Grosbeak	636 MCM
183	Rampura-Aftabnagar	3.66	7.32	Double	XLPE	800sq
184	LILO of Feni-Cumilla(N) at Chowddagram	0.788	3.152	Four	Grosbeak	636 MCM
185	LILO of Faridpur-Madaripur line at Gopalganj(N)	1.53	6.12	Four	ACCC Grosbeak	636 MCM
186	LILO of Gopalanj-Madaripur line at Gopalganj(N)	10.5	42	Four	Grosbeak	636 MCM
187	Kodda - Rajendrapur	24.7	49.4	Double	ACCC Grosbeak	636 MCM
188	LILO of Rangpur-Palashbari at Confidence PP	1.47	5.88	Four	AAAC	636 MCM
189	LILO of Khulshi - Halishahar at Rampur	2.775	5.55	Four	XLPE	800sq
190	Rampur-Agrabad	4.54	4.54	Double	XLPE	800sq
191	Keraniganj-Sreenagar	15.854	31.708	Double	Grosbeak	636 MCM
192	Keraniganj-Nawabganj	27.076	54.152	Double	Grosbeak	636 MCM
193	LILO of Shyampur-Haripur at Fatullah	0.9	3.6	Double	XLPE	800sq
194	DU- Dhanmondi	2.1	4.2	Double	XLPE	500sq
195	Bagerhat-Mongla	28.57	57.14	Double	Grosbeak	636 MCM
196	Baghabari-Bangura	24.84	49.68	Double	Grosbeak	636 MCM
197	Bakerganj-Barguna	50.22	50.22	Single	Grosbeak	636 MCM
198	Gallamari- Gopalganj	51.8	103.6	Double	Grosbeak	636 MCM
199	Gopalganj - Madaripur 2nd Ckt	45	45	Single	Grosbeak	636 MCM
200	LILO of Rangpur-Palashbari line at Mithapukur	0.55	2.2	Four	Grosbeak	636 MCM
201	Maniknagar-Kazla	2.5	5	Double	XLPE	800sq
202	Hasnabad-Keraniganj PP line re-routing at Keraniganj	2.8	11.2	Four	Grosbeak	636 MCM
203	Purbachal-Basundhara	4.731	9.462	Double	XLPE	800sq
204	Banani-Basundhara	13.293	26.586	Double	XLPE	800sq
	Total	4869.1	8227.8			

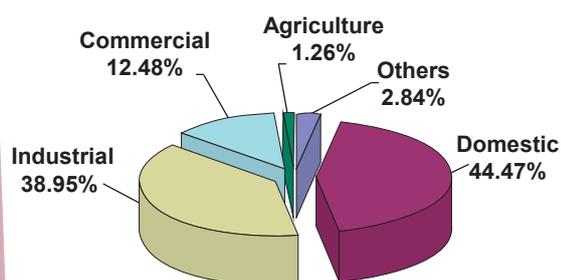
DISTRIBUTION TABLES AND CHARTS

Distribution Zone Wise Energy Import and Energy Sales Statistics of BPDB

Distribution Zone's Name	Energy Imported (MkWh)		Energy Sold (MkWh)		Distribution System loss (%)		
	2019-20	2020-21	2019-20	2020-21	2019-20	2020-21	% Change over previous year
Mymensingh	2178.21	2372.60	1954.93	2145.73	10.25	9.56	-6.72
Chattogram	4248.77	4506.39	3928.43	4187.08	7.54	7.09	-6.02
Cumilla	1605.99	1759.56	1443.64	1591.24	10.11	9.57	-5.37
Sylhet	968.93	1006.49	863.66	900.92	10.86	10.49	-3.46
Others (132KV & Power Station)	2117.74	2664.00	2117.43	2663.73	0.015	0.010	-30.54
Total	11119.64	12309.04	10308.09	11488.70	7.30	6.66	-8.68

Consumption Pattern of BPDB

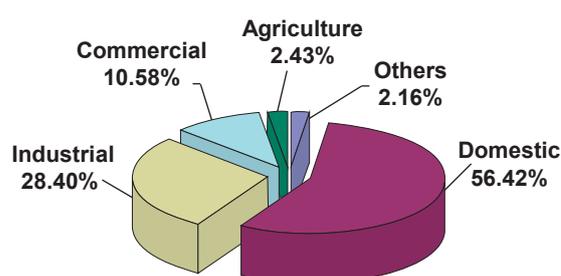
(FY 2020-21)



Total Retail Consumption : 11,489 MkWh

Consumption Pattern of the Country

(FY 2020-21)



Total Retail Consumption : 71,471 MkWh

Distribution Zone Wise Billing & Collection Statistics of BPDB

Distribution Zone's Name	Billed Amount (Million Tk)		Collected Amount (Million Tk)		Accounts Receivable (Million Tk)			Coll/Bill Ratio (%)		C/I Ratio (%)	
	2019-20	2020-21	2019-20	2020-21	2019-20	2020-21	% increase over the previous year	2019-20	2020-21	2019-20	2020-21
Mymensingh	12,152	13,526	11,311	13,822	5,907	5,536	-6.28	93.08	102.19	83.54	92.42
Chattogram	27,656	30,630	26,944	31,397	4,073	3,494	-14.21	97.42	102.50	90.08	95.24
Cumilla	9,751	10,923	9,341	11,175	2,305	2,067	-10.30	95.79	102.31	86.11	92.52
Sylhet	5,999	6,328	5,880	6,793	2,299	1,878	-18.29	98.02	107.36	87.37	96.09
Others (132KV & Power Station)	16,628	21,735	16,754	21,713	1,920	2,490	29.70	100.76	99.90	100.74	99.89
Total	72,186	83,141	70,229	84,899	16,503	15,466	-6.29	97.29	102.11	90.19	95.31

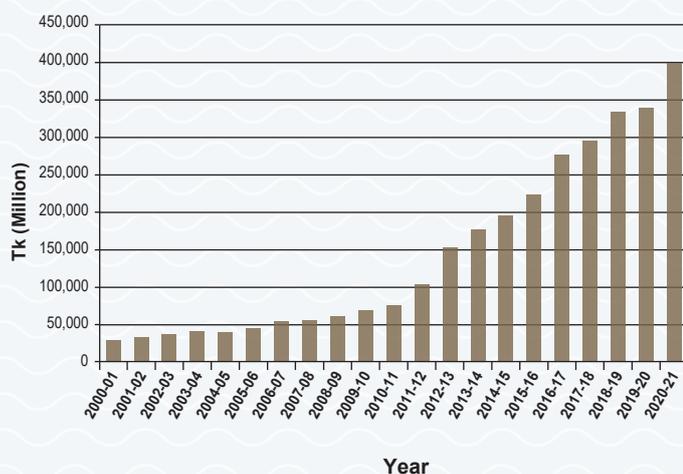
Revenue Collection (Bulk & Retail)

Year	Million Taka	% Change over previous year
1995-1996	16,791	7.05
1996-1997	16,015	-4.62
1997-1998	17,199	7.39
1998-1999	16,235	-5.61
1999-2000	22,450	38.28
2000-2001	27,017	20.34
2000-2002	31,373	16.12
2002-2003	36,066	14.96
2003-2004	39,608	9.82
2004-2005	39,177	-1.09
2005-2006	44,284	13.03
2006-2007	52,799	19.23
2007-2008	54,060	2.39
2008-2009	58,922	8.99
2009-2010	66,776	13.33
2010-2011	74,303	11.27
2011-2012	102,242	37.60
2012-2013	151,711	48.38
2013-2014	174,740	15.18
2014-2015	193,013	10.46
2015-2016	222,382	15.22
2016-2017	274,355	23.37
2017-2018	293,725	7.06
2018-2019	332,294	13.13
2019-2020	337,846	1.67
2020-2021	397,609	17.69

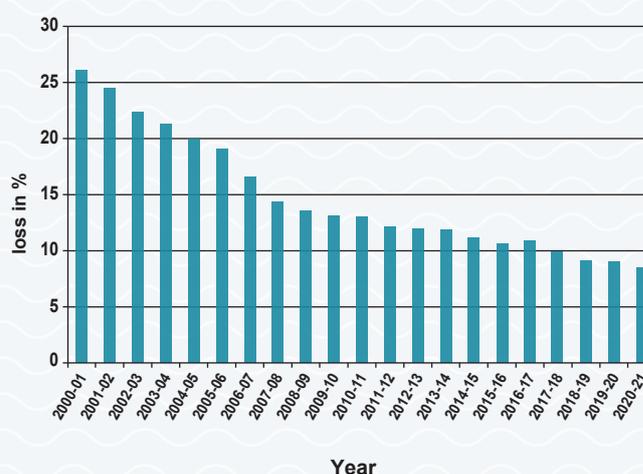
Distribution System Loss (Without 132 KV consumer)

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	14.39
2008-09	13.57
2009-10	13.11
2010-11	13.06
2011-12	12.15
2012-13	11.95
2013-14	11.89
2014-15	11.17
2015-16	10.66
2016-17	10.92
2017-18	9.89
2018-19	9.12
2019-20	8.99
2020-21	8.50

Net Revenue Collection



Distribution System Loss



Category Wise Consumer

In Nos.

Year	Domestic	Agriculture	Small Industrial	Small Commercial	Large Inds. & Comm.	REB	DPDC/ Others	DESCO	WZPDCL	NESCO	Others	Total	% Increase Over the Preceding Year
	A	B	C	E	F+H	I1	G1+G2+G3	I2	I3	I4	D+J		
1981-82	390,450	5,549	40,703	204,834	1,403	16	-	-	-	-	2,121	645,076	-
1982-83	418,532	6,603	34,595	205,629	1,531	22	-	-	-	-	2,287	669,199	3.74
1983-84	461,043	7,754	35,762	214,250	1,632	25	-	-	-	-	7,119	727,585	8.72
1984-85	518,532	8,637	39,730	226,670	1,657	33	-	-	-	-	8,508	803,767	10.47
1985-86	574,907	11,773	42,688	244,703	1,798	37	-	-	-	-	12,704	888,610	10.56
1986-87	632,814	10,885	45,666	257,510	1,931	48	-	-	-	-	14,238	963,092	8.38
1987-88	697,254	12,279	47,057	266,258	1,922	51	-	-	-	-	13,568	1,038,389	7.82
1988-89	784,951	14,104	48,659	285,629	2,027	59	-	-	-	-	16,253	1,151,682	10.91
1989-90	815,059	10,705	47,454	281,818	2,975	67	-	-	-	-	16,494	1,174,572	1.99
1990-91	853,959	12,828	48,479	287,498	3,251	77	-	-	-	-	17,872	1,223,964	4.21
1991-92	606,627	11,675	35,943	231,450	1,294	82	6	-	-	-	15,924	903,001	-26.22
1992-93	649,173	16,670	36,969	230,096	1,375	93	6	-	-	-	18,227	952,609	5.49
1993-94	708,118	17,854	38,395	237,922	1,437	102	6	-	-	-	22,015	1,025,849	7.69
1994-95	750,273	17,974	39,702	245,234	1,486	118	6	-	-	-	20,941	1,075,734	4.86
1995-96	811,370	19,807	41,313	260,167	1,514	130	6	-	-	-	22,365	1,156,672	7.52
1996-97	858,354	17,878	42,248	267,197	1,595	143	6	-	-	-	22,711	1,210,132	4.62
1997-98	923,117	18,387	43,856	283,032	1,714	158	6	-	-	-	23,393	1,293,663	6.90
1998-99	963,319	17,142	43,742	287,636	1,748	178	6	-	-	-	23,099	1,336,870	3.34
1999-00	1,043,977	17,872	44,793	299,896	1,801	179	6	-	-	-	24,293	1,432,817	7.18
2000-01	1,134,074	18,293	45,816	316,629	1,890	182	6	-	-	-	25,760	1,542,650	7.67
2001-02	1,221,324	17,215	46,068	331,224	1,999	199	6	-	-	-	26,720	1,644,755	6.62
2002-03	1,270,727	15,084	44,432	331,997	2,038	212	6	-	-	-	25,955	1,690,451	2.78
2003-04	1,359,724	14,284	44,018	347,635	2,183	246	4	1	-	-	26,863	1,794,958	6.18
2004-05	1,114,679	12,484	34,472	273,957	1,867	266	4	1	1	-	21593	1,459,324	-18.70
2005-06	1,165,265	14,911	34,574	280,079	2,010	275	4	1	1	-	21771	1,518,891	4.08
2006-07	1,272,144	17,693	35,561	297,213	2,163	184	5	1	1	-	23450	1,648,415	8.53
2007-08	1,385,424	21,191	37,065	312,041	2,299	185	5	1	1	-	25083	1,783,295	8.18
2008-09	1,495,195	25,175	39,114	333,818	2,534	185	5	1	1	-	26333	1,922,361	7.80
2009-10	1,621,596	28,724	40,903	345,605	2,689	185	6	1	1	-	27628	2,067,338	7.54
2010-11	1,704,936	30,523	41,607	351,673	2,846	185	7	1	1	-	27846	2,159,625	4.46
2011-12	1,947,827	36,506	43,241	372,245	3,184	70	7	1	1	-	28973	2,432,055	12.61
2012-13	2,146,940	39,810	44,809	386,947	3,464	70	9	1	1	-	31968	2,654,019	9.13
2013-14	2,378,278	45,042	45,792	396,776	3,780	71	9	1	1	-	31559	2,901,309	9.32
2014-15	2,606,764	49,937	47,215	416,197	4,125	71	10	1	1	-	32783	3,157,104	8.82
2015-16	2,868,941	54,952	48,764	444,140	4,471	82	12	1	1	-	35899	3,457,263	9.51
2016-17	2,111,564	32,951	31,396	321,931	3,513	84	13	1	1	1	25227	2,526,682	-26.92 ☆
2017-18	2,360,627	34,807	38,041	336,526	3,848	85	14	1	1	1	28000	2,801,951	10.89
2018-18	2,573,705	35,727	39,129	361,479	4,214	84	14	1	1	1	31901	3,046,256	8.72
2019-20	2,749,620	36,922	42,022	369,081	4,508	80	16	1	1	1	34634	3,236,886	6.26
2020-21	2,935,953	36,421	44,212	391,289	4,845	81	16	1	1	1	38714	3,451,534	6.63

A = Residential Light & Fan

B = Agricultural pump

C = Small Industry

D = Non residential light & Fan

E = Commercial

F = Medium voltage general purpose

G = DPDC/Others

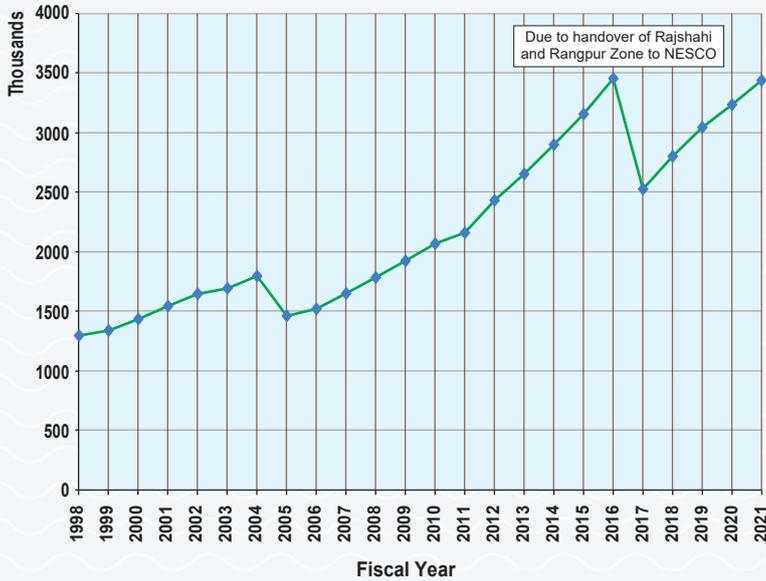
H = High voltage general purpose

I = REB/PBS

J = Street light and water pump

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

Trends of Consumer Growth



Electrification of Thana Villages and Pumps

Year	Upazila/Thana (Nos.)	Village (Nos.)	Hat/Bazar (Nos.)	Deep, Shallow & Low Lift Pumps (Nos.)
1971-72	111	250	--	551
1972-73	123	300	--	551
1973-74	133	326	--	594
1974-75	161	500	--	710
1975-76	237	1024	--	984
1976-77	295	1424	410	1280
1977-78	321	1518	448	1911
1978-79	335	1596	481	2317
1979-80	357	1675	506	4406
1980-81	377	1675	786	6155
1981-82	388	1956	903	7270
1982-83	403	2054	1050	8287
1983-84	417	2104	1078	8559
1984-85	422	2191	1096	8762
1985-86	432	2361	1181	9368
1986-87	437	2461	1231	9593
1987-88	437	2561	1275	9875
1988-89	438	2612	1326	10428
1989-90	438	2,657	1,371	11,031
1990-91	438	2,717	1,391	12,331
1991-92	438	2,767	1,411	14,033
1992-93	438	2,807	1,431	16,023
1993-94	438	2,837	1,446	16,943
1994-95	443	2,867	1,466	17,193
1995-96	443	2,927	1,513	18,622
1996-97	443	3,017	1,581	19,774
1997-98	443	3,061	1,613	19,969
1998-99	443	3,111	1,668	20,157
1999-00	443	3,201	1,718	20,307
2000-01	443	3,292	1,768	20,467
2001-02	443	3,356	1,858	20,687
2002-03	443	3,400	1,958	20,812
2003-04	443	3,432	2,040	20,928
2004-05	443	3,478	2,080	20,993
2005-06	443	3,495	2,113	21,020
2006-07	443	3,495	2,113	21,020
2007-08	443	3,495	2,113	21,020
2008-09 *	221	4,204	1,410	26,572
2009-10 *	236	4,792	1,626	29,626
2010-11 *	236	4,792	1,780	30,405
2011-12 *	236	4,810	1,880	30,933
2012-13 *	236	5,344	1,863	36,232
2013-14 *	243	5,393	2,044	43,822
2014-15 *	246	5,735	2,138	45,010
2015-16 *	256	5,947	2,241	41,835
2016-17 **	173	3,778	1,389	28,018
2017-18**	175	4,023	1,443	28,020
2018-19**	195	4,646	1,666	35,332
2019-20**	201	5,651	1,751	37,371
2020-21**	204	6,470	1,792	36,962

* Excluding DPDC, DESCO, WZPDCO & REB

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

Total Electrified Areas & Consumer Numbers of BPDB

(As of June 2021)

Sl. No.	Name of Divi./ESU	Total Electrified Area				
		Thana/ Upazila	Ward	Village	Hat / Bazar	Deep, Shallow & Low Fit Pump
Southern Zone, Chattogram						
O & M Circle, Chatta-Metro (East)						
1	S&D Kalurghat	4	6	0	4	0
2	S&D Pathorghata	1	6	0	8	0
3	S&D Stadium	2	5	0	0	0
4	S&D Sholoshahar	4	4	0	6	0
5	S&D Bakalia	5	5	0	10	0
6	S&D Madarbari	3	4	0	5	0
O & M Circle, Chatta-Metro (West)						
7	S&D Agrabad	3	6	0	8	0
9	S&D Halishahar	2	3	0	4	0
8	S&D Newmooring	3	3	0	5	0
10	S&D Pahartoli	4	6	0	6	0
11	S&D Rampur	3	3	0	0	6
12	S&D Khulshi	4	6	0	8	0
O & M Circle, Chatta-Metro (North)						
13	S&D Fouzdarhat	1	4	20	14	0
14	S&D Barabkund	1	37	90	32	2
15	S&D Hathazari	1	26	40	17	24
16	S&D Mohora	2	22	39	16	18
O & M Circle, Chatta-Metro (South)						
17	Distribution Division Patiya	6	78	233	62	280
18	Distribution Division Cox's Bazar	10	188	555	65	562
O & M Circle, Rangamati						
19	Distribution Division- Khagrachari	12	227	950	148	209
20	Distribution Division- Rangamati	8	99	246	26	30
21	Distribution Division- Bandarban	4	110	285	39	38
Sub Total		83	848	2458	483	1169
Cumilla Zone						
O & M Circle, Cumilla						
1	S&D-1, Cumilla	3	20	97	22	75
	Burichang E/S	2	3	64	9	97
2	S&D-2 Cumilla	2	7	120	30	27
	Chauddagram E/S	1	9	71	5	148
3	S & D-3. Cumilla	2	10	72	6	145
4	S & D, Daulatganj	1	5	27	5	672
5	S & D Chandpur	1	15	25	11	3
6	S & D, B-Baria-1	3	6	77	16	848
7	S & D, B-Baria-2	2	4	21	6	427
8	S & D, Ashuganj	1	3	11	5	137
9	S & D, Sarail	1	3	17	6	611
O & M Circle, Noakhali						
10	DD-Noakhali	3	14	37	24	63
	Hatiya E/S	1	6	20	15	0
11	S & D, Chaumuhini	1	12	19	8	0
	S&D-Feni	2	18	20	3	105
12	Bashurhat E/S	1	3	4	2	152
13	S&D-Laxmipur	1	12	12	1	111
Sub Total		28	150	714	174	3389

Sl. No.	Name of Divi./ESU	Total Electrified Area				
		Thana/ Upazila	Ward	Village	Hat / Bazar	Deep, Shallow & Low Fit Pump
Central Zone, Mymensingh						
O & M Circle-1, Mymensingh						
1	S & D -1 (N)	3	74	293	72	693
2	S & D -2 (S)	3	75	102	30	1305
3	S & D -3	9	121	239	120	4116
4	S&D,Valuka	1	23	72	31	1069
5	S & D Trisal	1	32	80	28	887
6	S & D Goffargoan	2	144	219	44	1510
O & M Circle-2, Mymensingh						
7	S & D Fulpur	3	153	265	82	1814
8	S & D Netrokona	2	9	20	8	1864
9	S & D Kishorgonj	1	25	60	15	405
10	S & D Bajitpur	3	15	78	28	399
11	S & D Bhairab	2	56	156	51	844
12	S & D Sherpur	5	30	110	82	3879
O & M Circle, Tangail						
13	S & D, Jamalpur	4	23	55	21	2048
14	S & D Sharishabari	3	12	39	8	2557
15	S & D, Ghatail	2	28	39	38	890
16	S & D, Shakhipur	8	29	75	55	711
17	S & D, Bhuapur	4	73	142	41	1379
18	S & D, Kalithati	2	20	33	33	1486
19	S & D-1, Tangail	2	15	60	14	199
20	S & D-2, Tangail	3	120	165	80	2415
21	S & D-3, Tangail	3	15	70	15	1731
Sub Total		66	1092	2372	896	32201
Sylhet Zone						
O & M Circle, Sylhet						
1	Sales & Distribution Division-1, PDB, Sylhet	1	15	23	24	40
2	Sales & Distribution Division-2, PDB, Sylhet	1	10	15	22	0
3	Sales & Distribution Division-3, PDB, Sylhet	3	3	102	6	7
	Jagannathpur Electric Supply, PDB, Sunamganj	1	9	131	16	16
4	Sales & Distribution Division-4, PDB, Sylhet	2	33	103	25	15
5	Sales & Distribution Division-5, PDB, Sylhet	2	33	103	24	15
	Jaintapur Electric Supply, PDB, Sylhet	3	38	70	16	12
6	Sales & Distribution Division, PDB, Sunamganj	3	38	70	16	14
	Derai Electric Supply, PDB, Sunamganj	3	15	47	10	15
7	Sales & Distribution Division- Chatak, PDB, Sunamganj	1	4	33	14	13
O & M Circle, Moulavibazar						
8	Sales & Distribution Division, PDB, Moulvibazar	1	9	14	3	5
9	Sales & Distribution Division, PDB, Habiganj	3	9	30	8	51
10	Sales & Distribution Division- Kulaura, PDB, Moulvibazar	3	117	185	55	-
Sub Total		27	333	926	239	203
Total		204	2423	6470	1792	36962

Synopsis of Distribution Lines of BPDB

(As of June 2021)

Sl. No.	Name of the Divn./ESU	Name of Sub-station	33 KV Feeder Length (km)	11 KV Feeder Length (km)	0.4 KV Feeder Length (km)
Southern Zone, Chattogram					
O & M Circle, Chatta-Metro (East)					
1	S & D Pathargahta	Pathorghata 33/11 KV	19	54	67
2	S & D Stadium	Stadium	29	83	99
3	S & D Sholoshahar	Sholoshahar 33/11 KV	60	102	147
4	S & D Kalurghat	33/11 Kv Kalurghat	23	51	76
		33/11 Kv Muradpur	18	27	48
5	S & D Bakulia	Bakulia	0	120	208
6	S & D Madarbari	Madarbari 33/11 Kv	13	61	121
		Banglabazar 33/11 Kv	4	6	10
O & M Circle, Chatta-Metro (West)					
7	S & D Agrabad	Agrabad 33/11 Kv	26	57	95
		Monsurabad 33/11 Kv	16	17	40
8	S & D Khulshi	Khushi 33/11 kV	29	39	62
		Jalalabad 33/11 kV	1	20	
9	S & D Halisahar	Halishahar 33/11 kV	35	63	75
		Patenga 33/11 kV	5	45	70
10	S & D Pahartoly	Pahartoly	16	160	185
11	S & D Rampur	Rampur	28	70	110
12	S & D Newmoring	Newmooring 33/11 kv	19	110	155
O & M Circle, Chatta-Metro (North)					
13	S&D Fouzdarhat	Baro-Aulia 33/11 Kv SS	42	76	47
		Fouzderhat 33/11 Kv SS	9	82	81
	Sandwip Electric Supply	Enamnahar 33/11 KV S/S	45	55	95
14	S&D Hathazari	Kolabagan S/S	2		
		Foteyabad S/S	4	162	250
15	S&D Barabkund	Barabkundo	43	123	190
16	S&D Mohora	Mohora	18	170	230
		Rangunia	2	11	0
		Anana	8	4	23
O & M Circle, Chatta-Metro (South)					
17	Distribution Division Potiya	Patiya	30	45	65
		Fishharbor	0	35	48
		Sikalbaha	79	41	54
		Julda	25	18	29
		Shamirpur	25	0	0
		Dohazari	0	60	90
18	Distribution Division Cox's Bazar	Satkania	10	40	83
		Zilonza 33/11 Kv	-	66	52
		Kolatoli 33/11 Kv	10	73	51
		Motel Road 33/11 Kv	7	20	25
		Ramu 33/11 Kv	10	95	135
		Chakaria 33/11 Kv	65	60	130
		Aziznagar 33/11 Kv	65	52	70
		Lama 33/11 Kv	40	158	190
Kutubdia 33/11 Kv	-	8	16		
O & M Circle, Rangamati					
19	Distribution Division- Khagrachari	Manikchari 33/11 KV	78	84	100
		Jaliapara (Matiranga) 33/11 KV	40	95	140
		Ramgarh 33/11 KV	85	60	98
		Khagrachari 33/11 KV	15	100	225
		Panchari 33/11 KV	35	100	158
		Dighinala 33/11 KV	85	186	240
Mohalchari 33/11 KV	54	112	120		

Sl. No.	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)
20	Distribution Division- Khagrachari	Vedvedi 33/11 Kv	6	75	165
		Majherbosti 33/11 Kv	14	88	150
		Kawkhali 33/11 Kv	14	22	30
		Ghagra 33/11 Kv	0	93	120
		Kaptai Academy 33/11 Kv	16	90	85
		Kaptai 132/33/11 Kv	0	60	35
		Bangalhalia 33/11 Kv	17	46	42
21	Distribution Division- Bandarban	Marisha 33/11 Kv	28	70	104
		Office	58	160	190
		Kachinghata	6	200	233
		Nilachol	0.03	0	0
		Y-Junction	18	20	10
		Boli Para/Thanchi	50	55	15
		Rowanchori	18	62	65
Sub Total			1539	4380	5882
Cumilla Zone					
O & M Circle, Cumilla					
1	S & D-1, Cumilla	Horindora	18	0	0
		Kotbari	19	45	96
		Kaliajuri	48	135	248
	Burichang E/S	Palpara	9	50	120
2	S & D-2, Cumilla	Balutupa	37	120	240
		Chouddagram E/S	38	38	70
3	S & D-3, Cumilla	Jangalia	25	105	255
4	S & D, Daulatganj	Daulatganj	35	50	165
5	S & D, Chandpur	Balur Math	1	35	120
		Puran Bazar	4	32	100
6	S & D, B. Baria-1	Datiara	0	80	130
7	S & D, B. Baria-2	Ghatara	16	54	96
8	S & D, Ashuganj	Kalabagan	11	55	90
9	S & D, Sarail	Shahbazpur	16	50	180
		Kuttapara	12	35	
O & M Circle, Noakhali					
10	DD-Noakhali	Maijdee	10	30	45
		Datterhat	20	80	185
	Hatya E/S	Hatya	0	55	30
11	S & D Chowmuhani	Chamuhani	0	90	200
12	S & D, Laxmipur	Laxmipur	35	72	175
13	S&D, Feni	Mohipal	65	65	275
		Sultanpur	15	50	
		Bosurhat E/S	Dagonbuyan	13	18
		Bashurhat	12	25	80
Sub Total			458	1369	2960
Central Zone, Mymensingh					
O & M Circle-1, Mymensingh					
1	S & D- 1 (North)	Akua	15	120	160
		Batircal	18	45	60
2	S & D- 3	Shambugonj	11	70	135
		Gauripur	23	80	92
		Issorgonj	24	72	70
3	S & D- 2 (South)	Kewatkhali	0	248	250
		Digarkanda (bypass)	5	98	153
4	S & D Trisal	Trisal	44	144	130
5	S & D Bhaluka	Bhaluka	4	90	160
6	S & D Goffargoan	Balipara	17	30	42
		Maijbari	12	72	89
		Goffargoan	68	93	156

Sl. No.	Name of the Divn. /ESU	Name of Sub-station	33 KV Feeder Length (km)	11 KV Feeder Length (km)	0.4 KV Feeder Length (km)
O & M Circle-2, Mymensingh					
7	S & D Fulpur	Fulpur	39	100	200
		Haluaghat	45	115	132
8	S & D Netrokona	Satpai Netrokona	12	86	163
9	S & D Bhairab	Bhairab	15	80	124
		Kuliarchor	27	38	72
10	S & D Sherpur	Sherpur	56	130	222
		Nakla	12	51	93
		Nalitabari	10	50	100
		Jinaighat	27	55	110
		Sribordi	27	40	105
11	Dist. Divn. Kishorgonj	Josodal	0	120	124
12	S & D Bajitpur	Mollapara	11	55	60
		Sararchar	55	135	160
O & M Circle, Tangail					
13	S & D Jamalpur	Shekher Vita	23	135	150
		Shahpur	5	58	119
		Bojrapur	0	48	65
		Jamuna	40	0	0
		Muktagacha	40	0	0
		Beltia	12	0	0
14	S & D Sharishabari	Sharishabari	36	118	110
15	S & D Ghatail	Ghatail	45	150	380
		Cantonment	5	0	0
16	S & D Shakipur	Kutubpur	18	75	80
		Nalua	34	65	100
		Shakipur	40	245	500
17	S & D Bhuapur	Bhuapur	30	198	380
18	S & D Kalihati	Kalihati	22	106	428
19	S & D -1 Tangail	Betka	41	159	340
		Boilla			
20	S & D -2 Tangail	Kachudanga	14	245	600
21	S & D -3 Tangail	Elenga	11	110	180
Sub Total			993	3929	6594
Central Zone, Sylhet					
O & M Circle, Sylhet					
1	S & D -1	Ambarkhana	7	190	370
		Shekhghat	5	75	150
2	S & D - 2	Upshahar	23	134	252
		MC Collage	8	56	64
		Ring Feeder	6	0	0
3	S & D - 3	Boroikandi	7	100	252
		Gotatikor		58	
4	S & D - 4	Jogonnathpur E/S	48	132	275
		Kumargaon	0	235	510
5	S & D - 5	Shajalal	1	80	150
		Botessor	35	103	215
6	S & D Sunamgonj	Jaintapur E/S	30	100	290
		Sunamgonj	65	85	180
7	S&D Chatak	Derai E/S	33	100	190
		Chatak	87	140	228
		Jawa bazar	0	57	111
O & M Circle, Moulvibazar					
8	Dist. Div. Moulvibazar	Bajbari	34	35	45
		Shamostafa	62	55	90
9	S & D Hobigonj	Hobigonj (Old)	30	95	490
		Second Source	25	0	0
10	S & D Kulaura	Juri	30	70	200
		33 KV Consumer	80	-	-
		Kukaura (new)	0	190	670
Sub Total			616	2090	4732
Total			3605	11768	20168

33/11 KV Substations of BPDB

(As of June 2021)

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
Southern Zone, Chattogram				
O & M Circle, Chatta-Metro (East)				
1	S&D Patharghata	Patharghata 33/11 KV	3x16/20	36.0
2	S&D Stadium	Stadium	2X16/20 1X20/26	42.00
3	S&D Sholoshahar	Sholoshahar	2x16 1x20/26	38.00
		Oxygen	2x20/26	
4	S&D Kalurghat	Kalurghat	1 x 16 2 x 16/20	42.00
		Muradpur	3x 16/20	38.00
5	S&D Bakalia	Bakalia	3x16/20	36.00
6	S&D Madarbari	Madarbari	2x16/20	25.00
		Banglabazar	2x20/26	3.00
O & M Circle, Chatta-Metro (West)				
7	S&D Agrabad	Agrabad	2x16/20 1x20/26	45.00
		Monsurabad	2x20/26	18.00
8	S&D Khulshi	Jalalabad	3x20/26 1x16/20	52.00
		Khulshi	2x20/26 2X16/20	40.00
9	S&D Halishor	Haliasahar	2X16/20	24.00
		Potenga	2X16/20	14.00
10	S&D Pahartali	Pahartali	1X20/26 2X16/20	39.00
11	S&D Rampur	Rampur	2X20/26 2X16/20	27.00
12	S&D Newmooring	Newmooring	3X16/20	36.00
O & M Circle, Chatta-Metro (North)				
13	S & D Fouzderhat	Fouzderhat 33/11 Kv Substation	2x16/20	25.00
		Baro-aulia 33/11 Kv Substation	1x16/20 1x20/26	45.00
	Sandeep Electric Supply	Enamnahar	2x6.67	4.00
14	S & D, Barabkunda	Barabkunda	2x16/20	25.00
15	S & D, Hathazari	Kolabagan S/S	2x16/20	14.00
		Foteyabad	2x10/13.3	13.00
16	S & D, Mohara	Mohora	2x16/20	29.00
		Rangunia sub-station	1x5	2.00
		Anana	2x20/26	12.00
O & M Circle, Chatta-Metro (South)				
17	Distribution Division patiya	Patiya	2x10 1x10/13.33	12.00
		Fishharbor	2x10	15.00
		Julda	2x16/20	10.00
		Shikalbaha	1x16/20 1x10/13.33	10.00
		Dohazari	1x16/20	10.00
		Satkania	2x5/6.67	9.00
		Zilongza	2x16/20	23.00
18	Distribution Division Cox's Bazar	Motel Road	1x16/20	6.0
		Kolatoli	2x10/13.33	15.00
		Chakaria	1x10 1x10/13.33	13.00
		Aziznagar	1x5/6.67	3.00
		Lama	1x5/6.67	3.00
		Alikodom	2x5/6.67	2.5

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
O & M Circle, Rangamati				
19	Distribution Division- Khagrachari	Khagrachori (Rural Type)	2x5.00	8
		Khagrachori	2x10/13.33	-
		Thakurchara	1x10/13.33	1.5
		Panchori (Rural Yype)	1x5.00	3
		Ramgarh (Rural Type)	3x1.667	3.5
			1x5.00	
		Jaliapara (Rural Type)	3x1.667	1.5
		Matiranga (Rural Type)	1x5.00	2.25
		Dhighinala (Rural Type)	2x5.00	6.5
		Longudu (Rural Type)	1x5.00	2.5
		Manikchori (Rural Type)	1x5.00	3.5
		Laxmichori (Rural Type)	1x5.00	0.75
		Mohalchori (Rural Type)	1x5.00	2.5
Naniarchori (Rural Type)	1x5.00	1		
20	Distribution Division- Rangamati	Vedvedi 33/11 KV	2 x 10	7.50
		Majerbosti 33/11 KV	1 x 10/13.33	6.50
		Kawkhali 33/11 KV	1 x 5	1.50
		Ghagra 33/11 KV	1 x 5	2.50
		Kaptai Academy 33/11 KV	2 x 3	1.30
		Kaptai 132/33/11 KV	1 x 20	8.00
		Bangalhalia 33/11 KV	1 x 5	2.00
		Marishya 33/11 KV	1 x 5	2.00
		sukurchori gridside	1 x 10/13.33	-
		Office	2x10/13.33	7.05
21	Distribution Division- Bandarban	Kachinghata	3x1.667	2.95
		Nilachol	1x10/13.33	0.0
		Y-Junction	1x5.00	0.6
		Boli Para/Thanchi	3x1.667	1.0
		Rowanchori	1x5/6.67	1.0
		Ruma	1x5/6.67	1.0
		Sub Total	69	1583/1950
Cumilla Zone				
O & M Circle,Cumilla				
1	S & D-1, Cumilla	Kotbari	3x10/13.33	23.00
			1x20/26	
2	S & D-2, Cumilla	Kaliajori	2x10/13.33	24.00
			1x16/20	
3	S & D-3, Cumilla	Palpara	2x5	7.00
			Balur Math	
4	S & D Daulatgonj	Balutupa	3x10/13.33	22.50
			1x16/20	
5	S & D, Chandpur	Chouddagram	3x5	8.50
			Jangalia	
6	S & D, Baria-1	Daulatgonj	2x10/13.33	24.00
			2x16/20	
7	S & D, Baria-2	Balur Math	1x10/13.33	11.00
			1x16/20	
8	S & D Ashugonj	Puran Bazar	1x5	20.00
			1x10/13.33	
9	S & D Sarail	Datiara	2x10/13.33	10.00
			2x16/20	
10	S & D, Baria-2	Ghatara	3x10/13.33	26.00
			2x16/20	
11	S & D Sarail	Kalabagan	3x10/13.33	20.00
			1x16/20	
12	S & D Sarail	Shabazpur	2x5	25.00
			Kuttapara	
13	S & D Sarail	Kuttapara	2x5	6.00
			2x10/13.33	

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
O & M Circle, Noakhali				
10	S&D Feni	Mohipal	4x10/13.33	24.00
		Sultanpur	2x10/13.33	13.00
	Boshurhat E/S	Dagonbuyan	2x10/13.33	12.00
		Boshurhat	1x10/13.33	5.00
11	DD-Noakhali	Maijdee	2x10/13.33, 1x16/20	21.00
		Datterhat	2x10/13.33	8.00
12	S&D Chamuhani	Chomuhani	3x10/13.33 1x16/20	20.00
13	S & D, Laxmipur	Laxmipur	2x10/13.33	12.00
Sub Total		22	641/824	351
Central Zone, Mymensingh				
O & M Circle-1, Mymensingh				
1	S & D -1 (North)	Akua	2x10/13.33	25.00
			1x20/26	
		Batircal	1x20/26 2x10/13.33	
2	S & D -3	Shambujan	3X10/13.33	16
		Gauripur	2X10/13.33	9
		Isshorgonj	2X5/6.67	7
3	S & D -2 (South)	Kewatkhali	4x10/13.33	28
		Digarkanda (Bypass)	1x16/20	18
			2x10/13.33	
4	S & D Trisal	Trisal	3x10/13.33	18
5	S & D Bhaluka	Bhaluka	3x10/13.33	19
6	S & D Goffargoan	Maijbari	2x5/6.66	8
		Goffargoan	2x10/13.33	14
		Balipara	1x5/6.66	2.50
O & M Circle-2, Mymensingh				
7	S & D -Fulpur	Fulpur	3X10/13.33	18.00
		Haluaghat	2X5/6.67	8.00
8	S&D Netrokona	Satpai Netrokona	3x10/13.33	22.00
9	S&D Bhairab	Bhairab	4x10/13.33	32.00
		Kuliachor	2x5/6.66	5.00
10	S&D Sherpur	Sherpur	1x16/20 2x10/13.33	25.00
		Nalitabari	3X5/6.67	7.00
		Nakla	2X5/6.67	5.00
		Jinaigati	2 X 5/6.67	6.00
		Sribordi	2 X 5/6.67	6.00
11	Dist. Divn. Kishoregonj	Josodal	3x10/13.33	14.00
		Mollapara	2x10/13.33	14.50
12	S&D Bajitpur	Sararchar	2x10/13.33	16.00
O & M Circle,Tangail				
13	S & D-1 Tangail	Betka	3x10/13.33	23
		Boilla	2x10/13.33	12
14	S & D-2 Tangail	Kachuadanga	4x10/13.33	26
15	S & D-3 Tangail	Elanga	2x10/13.33	7
16	S & D Bhuapur	Bhuapur	3x10/13.33	20
17	S & D Ghatail	Ghatail	1x20/26.66 2x10/13.33	27.00
		Cantorment	2x10/13.33	4
18	S & D Khalihati	Kalihati	3x10/13.33	18
		Shakipur	3x10/13.33	24
19	S & D Shakipur	Kutubpur	2x5/6.67	8
		Nalua	2x5/6.67	8

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
20	S & D Jamalpur	Bojrapur	2x10/13.33	7
		Shapur	2x10/13.33	8.5
		Shekhervita	2x10/13.33	17.5
21	S & D Sharishabari	Sharishabari	2x10/13.33	10
Sub Total		40	942/1252	581
Sylhet Zone				
O & M Circle, Sylhet				
1	S & D-1	Ambarkhana	2x10/13.33	30.00
		Shekhghat	2x 20/26.66	
2	S & D-2	Upashahar	4x10/13.33	26.00
		MC Collage	2x10/13.33	12.00
3	S & D-3	Boroikandi	3x10/13.33	25.00
		Gotatikor	2x10/13.33	
4	S & D-4	Jagannanthpur	3x5/6.67	10.00
		Jagannanthpur	3x5/6.67	
5	S & D-5	Kumargao	2x10/13.33	21.00
		Shahjalal	2x10/13.33	
6	S & D-5	Botessore	2x10/13.33	30.00
		Botessore	1x20/26	
7	S & D Chatak	Jaintapur Electric Supply Unit, Sylhet	2x5/6.67	8.00
		S & D Sunamgonj	2x10/13.33	10.00
8	S & D Sunamgonj	Sunamgonj	2x10/13.33	10.00
		Derai E/S, Sunamganj	2x5	7.00
9	S & D Chatak	Jawa Bazar	2x5/6.67	5.00
		Chattak	2x10/13.33	14.50
O & M Circle, Moulouvibazar				
8	Dist. Divn. Moulouvibazar	Bajbari	2x10/13.33	9.50
		Shamostafa Road (Moulvibazar - 2)	2x10/13.33	8.00
9	S & D Hobigonj	Hobigonj	3x10/13.33	16.00
10	S & D, Kulaura	Juri	2x5/6.67	6.00
		Kulaura	2x10/13.33	15.00
Sub Total		20	455/ 603	269
Total		151	3621/4628	2135



Inauguration of Ramu 33/11 kV Sub-station (GIS) by Chairman BPDB Engr. Md. Belayet Hossain.

11/.04 KV Distribution Substations of BPDB

(As of June 2021)

Sl. No.	Name of ESU / Division	Distribution Transformer									
		11/0.4 KV									
		1000 KVA (Nos.)	500 KVA (Nos.)	315 KVA (Nos.)	300 KVA (Nos.)	250 KVA (Nos.)	200 KVA (Nos.)	100 KVA (Nos.)	50 KVA (Nos.)	Others KVA (Nos.)	Total Capacity (MVA)
Central Zone, Mymensingh											
O & M Circle-1, Mymensingh											
1	S&D-1(N), PDB, Mymensingh	0	0	0	0	173	176	131	4	10	91.85
2	S&D-2(S), PDB, Mymensingh	5	9	7	8	185	207	129	7	10	115.105
3	S&D-3, PDB, Mymensingh	1	3	5	3	170	182	201	18	36	105.235
4	S&D, Trisal	0	0	0	0	73	172	138	1	51	67.01
5	S&D, Valuka	0	0	0	2	76	99	109	12	12	50.42
6	S&D, Goffargoan	0	0	0	0	109	203	210	4	8	89.13
O & M Circle-2, Mymensingh											
7	S&D, Fulpur	0	0	0	2	145	205	232	3	0	101.2
8	S&D, Netrokona	0	1	0	0	55	113	36	0	0	40.45
9	Dist.Div Kishorganj	0	0	0	2	85	112	121	3	0	56.5
10	S&D, Bajitpur	0	0	0	0	60	98	96	2	7	44.37
11	S&D, Bhairab	1	5	5	1	104	133	161	2	0	74.175
12	S&D, Sherpur	9	14	14	0	190	225	252	4	12	138.43
O & M Circle, Tangail											
13	S & D, Jamalpur	0	0	0	0	104	150	110	2	0	67.1
14	S&D Sharishabari	0	0	0	0	66	52	44	0	0	31.3
15	S & D Ghatail	0	0	0	0	115	121	113	2	8	64.43
16	S & D Shakhipur	0	2	0	0	141	249	271	14	61	114.46
17	S & D Bhuapur	0	1	0	0	105	104	86	0	9	56.24
18	S & D Khalihati	0	0	0	0	70	155	221	0	4	70.64
19	S & D-1 Tangail	0	1	0	0	94	83	46	2	11	45.41
20	S & D-2 Tangail	0	0	0	0	80	115	130	0	0	56
21	S & D-3 Tangail	0	0	0	0	49	64	70	4	3	32.28
Sub-Total		16	36	31	16	2249	3018	2907	84	242	1511.735
Cumilla Zone											
O & M Circle, Cumilla											
1	S&D-1, Cumilla	0	0	0	0	90	215	25	0	2	68.02
	Burichong E/S	0	0	0	0	32	28	32	0	0	16.8
2	S & D-2, Cumilla	0	0	0	0	320	60	6	0	0	92.6
	Chauddagram E/S	0	0	0	0	44	62	28	0	0	26.2
3	S & D-3, Cumilla	0	0	0	0	121	144	41	0	0	63.15
4	S & D Daulatgonj	0	0	0	0	25	145	10	0	0	36.25
5	S & D, Chandpur	0	0	0	0	35	126	33	0	2	37.27
6	S & D-1, B-Baria	0	0	0	1	122	163	25	0	1	65.91
7	S & D-2, B-Baria	0	0	0	0	135	220	50	0	0	82.75
8	S & D Ashugonj	0	5	0	0	84	154	62	0	0	60.5
9	S & D Sarial	0	3	0	0	171	141	42	0	0	76.65

Sl. No.	Name of ESU/Division	Distribution Transformer									
		11/0.4 KV									
		1000 KVA (Nos.)	500 KVA (Nos.)	315 KVA (Nos.)	300 KVA (Nos.)	250 KVA (Nos.)	200 KVA (Nos.)	100 KVA (Nos.)	50 KVA (Nos.)	Others KVA (Nos.)	Total Capacity (MVA)
O & M Circle, Noakhali											
10	DD-Noakhali	0	0	0	0	167	215	29	0	0	87.65
	Hatiya E/S	1	7	0	0	4	7	4	0	0	7.3
11	S & D Chowmuhani	0	0	0	0	108	123	20	0	0	53.6
12	S & D-Feni	0	0	0	0	135	220	50	0	0	82.75
	Bashourhat E/S	0	0	0	0	32	26	32	1	0	16.45
13	S & D-Laxmipur	0	0	0	0	40	55	40	0	0	25
Sub Total		1	15	0	1	1665	2104	529	1	5	898.85
Southern Zone, Chattogram											
O & M Circle, Chatta-Metro (East)											
1	S&D Kalurghat	0	0	0	0	341	24	6	0	0	90.65
2	S&D Pathorghata	0	0	0	0	312	59	13	0	0	91.1
3	S&D Stadium	0	0	0	0	233	28	12	0	0	65.05
4	S&D Sholoshahar	0	0	0	0	291	66	31	0	0	89.05
5	S&D Bakalia	0	0	0	0	210	57	15	0	0	65.4
6	S&D Madarbari	0	0	0	0	212	21	0	0	0	57.2
O & M Circle, Chatta-Metro (West)											
7	S&D Agrabad	0	0	0	0	284	75	5	0	0	86.5
8	S&D Halishahar	0	0	0	0	225	30	5	0	4	62.79
9	S&D Newmooring	0	0	0	0	176	34	4	11	1	51.76
10	S&D Pahartoli	0	0	0	0	312	40	10	0	0	87
11	S&D Rampur	0	0	0	0	247	15	3	0	0	65.05
12	S&D Khulshi	0	0	0	0	278	43	1	0	0	78.2
O & M Circle, Chatta-Metro (North)											
13	S&D Fouzdarhat	0	0	0	0	168	36	13	3	270	53.35
	Sandwip ESU	0	0	0	0	58	0	12	23	26	17.11
14	S&D Barabkund	0	0	0	0	158	65	33	1	230	58.15
15	S&D Hathazari	0	0	0	1	239	90	34	1	1	81.51
16	S&D Mohora	0	0	0	0	175	30	19	0	16	51.81
O&M Circle, Chattogram (South)											
17	Distribution Patiya	0	0	0	0	255	136	47	0	102	96.67
18	Distribution Coxbazar	0	0	0	0	318	200	33	0	0	122.8
O&M Circle, Chattogram (Rangamati)											
19	DD-Khagrachari	0	2	2	0	61	121	281	148	138	77.96
20	DD-Rangamati	0	0	1	0	36	107	175	69	118	52.845
21	DD-Bandarban	0	0	0	0	42	86	144	55	61	45.46
Sub Total		0	2	3	1	4631	1363	896	311	967	1547.415

Sl. No.	Name of ESU/Division	Distribution Transformer									
		11/0.4 KV									
		1000 KVA (Nos.)	500 KVA (Nos.)	315 KVA (Nos.)	300 KVA (Nos.)	250 KVA (Nos.)	200 KVA (Nos.)	100 KVA (Nos.)	50 KVA (Nos.)	Others KVA (Nos.)	Total Capacity (MVA)
Sylhet Zone											
O & M Circle, Sylhet											
1	Sales & Distribution Division-1	0	0	0	0	318	286	110	1	0	147.75
2	Sales & Distribution Division-2	0	0	0	0	427	109	31	0	3	131.68
3	Sales & Distribution Division-3	0	0	0	0	185	98	78	4	0	73.85
	Jagannathpur Electric Supply	0	0	0	0	82	85	110	2	69	49.29
4	Sales & Distribution Division-4	0	0	0	0	196	70	52	2	0	68.3
5	Sales & Distribution Division-5	0	0	0	0	104	56	31	0	0	40.3
	Jaintapur Electric Supply	0	0	0	0	85	142	115	5	23	61.63
6	Sales & Distribution Division-Chatak	0	0	0	0	168	189	48	3	6	84.81
7	Sales & Distribution Division, PDB, Sunamganj	0	0	0	0	108	47	66	5	20	43.45
	Derai Electric Supply, PDB, Sunamganj	0	0	0	0	48	65	48	8	36	30.56
O & M Circle, Moulvibazar											
8	Sales & Distribution Division, PDB, Moulvibazar	0	0	0	0	185	25	12	0	0	52.45
9	Sales & Distribution Division, PDB, Habiganj	0	0	0	0	195	72	12	0	0	64.35
10	Sales & Distribution Division-Kulaura	0	0	0	0	120	75	56	2	15	50.85
Sub Total		0	0	0	0	2221	1319	769	32	172	899.27
Total		17	53	34	18	10766	7804	5101	428	1386	4857.27



A review meeting on power situation of the country. Adviser to the Hon'ble Prime Minister for Power, Energy & Mineral Resources Affairs Dr. Tawfiq-e-Elahi Chowdhury BB and State Minister for Power, Energy & Mineral Resources Mr. Nasrul Hamid MP were present among others.

Synopsis of Chattogram P.C. Pole Manufacturing Plant

Details	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
1. Nos. of poles manufactured																							
i) 33 kV poles a) 15 x 220	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	4,208	5,299	4,168	5,355	3372
b) 15 x 190	163	298	716	676	723	564	1,256	1,901	600	582	499	1,322	1,929	1,115	1,110	1,390	3,430	1,880	2,430	2,095	447	1,939	1435
ii) 11 kV poles 12 x 190	3,334	4,397	5,471	5,913	9,697	10,185	7,055	6,680	7,884	7,678	3,075	9,698	7,379	10,000	7,784	6,387	6,565	6,831	9,261	10,735	9,401	8,350	12310
iii) 0.4 kV poles 9 x 140	3,548	3,723	6,793	6,639	12,654	9,430	7,825	9,474	7,808	7,285	2,153	4,603	4,743	1,889	5,075	7,384	7,790	4,249	4,663	7,616	6,986	7,174	9093
2. Cost per no. of pole (Tk.)																							
i) 33 kV poles a) 15 x 220	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	35,740	35,740	40,897	40,897	53,381	53,381	53,381	53,381	53,381	53,381
b) 15 x 190	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	32,353	32,353	36,374	36,374	47,478	47,478	47,478	47,478	47,478	47,478
ii) 11 kV poles 12 x 190	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	20,383	20,383	23,295	23,295	30,406	30,406	30,406	30,406	30,406	30,406
iii) 0.4 kV poles 9 x 140	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	8,629	8,629	9,885	9,885	12,903	12,903	12,903	12,903	12,903	12,903
3. Production Capacity (Nos.)																							
i) 33 kV poles a) 15 x 220	1,000	600	800	1,500	1,000	460	2,000	2,000	2,000	2,000	2,000	2,000	2,000	1,000	1,000	1,000	2,000	3,000	2,000	3,000	4,000	4,000	3,000
b) 15 x 190	500	500	700	800	600	600	2,000	2,000	2,000	2,000	2,000	2,000	2,000	1,500	1,500	1,500	3,000	3,000	1,000	1,000	1,000	1,000	1,000
ii) 11 kV poles 12 x 190	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	10,000	10,000	10,000	10,000	10,000	12,000	10,000	9,000	9,000	10,000
iii) 0.4 kV poles 9 x 140	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	7,500	7,500	7,500	5,000	4,000	5,000	6,000	6,000	6,000	6,000
4. Use of production capacity (%)																							
	84.48	99.15	138.22	71.87	120.57	95.07	86.84	95.63	85.45	82.03	34.39	80.69	75.05	70.02	75.23	80.28	97.54	69.01	102.81	128.72	105.01	114.09	131.05

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

Synopsis of Aricha P.C. Pole Manufacturing Plant

Details	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
1. Nos. of poles manufactured																							
i) 33 kV poles 22.5x230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15x230	---	17	39	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ii) 11 kV poles 12x230	240	720	1,450	3,449	4,007	3,508	2,722	1,338	2,238	1,583	929	1,429	1,630	1,381	791	1,425	2,728	3,245	701	14,868	15,814	5,975	9367
11x230	3,416	3,674	5,090	6,884	5,162	5,170	6,673	3,790	3,852	729	836	1,198	1,037	1,361	625	1,545	2,551	828	4,643	1,225	403	0	0
iii) 0.4 kV poles 9 M	3,371	4,640	6,501	12,046	14,859	12,342	10,610	8,009	9,912	4,691	3,286	3,219	4,261	6,268	3,141	5,170	7,729	7,929	10,509	10,587	12,010	15,977	15651
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	16,516	20,550	21,246	21,246	21,246	21,246	24,816	24,816	28,119	41,669	36,713	---	---	---	---	---	---	---	---	---	---	---	---
ii) 11 kV poles 12 M	10,868	13,802	14,197	14,197	14,197	15,783	15,783	17,328	24,486	21,574	21,574	21,574	21,574	21,574	21,574	22,512	22,512	29,384	29,384	29,384	29,384	29,384	29,384
11 M	9,634	12,385	12,652	12,652	12,652	13,910	13,910	15,313	21,066	18,560	18,560	18,560	18,560	18,560	18,560	19,579	19,579	25,555	25,555	25,555	25,555	25,555	25,555
iii) 0.4 kV poles 9 M	4,669	6,072	6,262	6,262	6,262	6,694	6,694	7,074	9,558	8,421	8,421	8,421	8,421	8,421	8,421	9,065	9,065	11,832	11,832	11,832	11,832	11,832	11,832
3. Production Capacity (Nos)																							
i) 33 kV poles 22.5 M	---	---	25	25	25	25	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15 M	100	300	300	340	200	200	200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ii) 11 kV poles 12 M	1,500	900	900	2,000	3,000	3,000	3,000	4,000	4,000	4,000	4,000	3,000	3,000	3,000	3,000	3,000	3,000	2,500	4,500	10,000	12,000	12,000	12,000
11 M	4,000	4,000	4,000	8,000	5,000	5,000	5,775	5,000	5,000	5,000	5,000	2,000	2,000	2,000	2,000	2,000	2,000	2,500	500	2,500	500	0	0
iii) 0.4 kV poles 9 M	4,400	4,800	4,800	9,660	11,000	11,000	11,000	11,000	11,000	11,000	11,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	10,000	7,500	7,500	8,000	8,000
4. Use of production capacity (%)																							
	70.27	90.51	130.80	111.90	120.14	105.10	100.03	65.68	80.01	35.01	25.26	58.46	69.28	90.10	70.6	81.4	130.08	120.02	105.68	133.4	141.135	108.86	125.09

5. Specification of poles	Top Dia (mm)	Bottom Dia (mm)	Wall Thickness (mm)	Pole Weight (Kg)	Design Load (Kg)	Pole Designation
i) 33 kV poles 22.5 M	230	530	55	3092.86	587	---
15 M	230	430	55	1,719.78	500	15 x 230x500
ii) 11 kV poles 12 M	230	390	55	1,249.44	512	12 x 230x512
11 M	230	375	55	1,110.46	512	11 x 230x512
iii) 0.4 kV poles 9 M	150	270	50	522.50	233	9 x 150x232



Member, Company Affairs, Engr. Md. Mahbubur Rahman and Member Distribution Engr. Md. Shamsul Alam visiting under construction Chandpur 115 MW Power Plant.



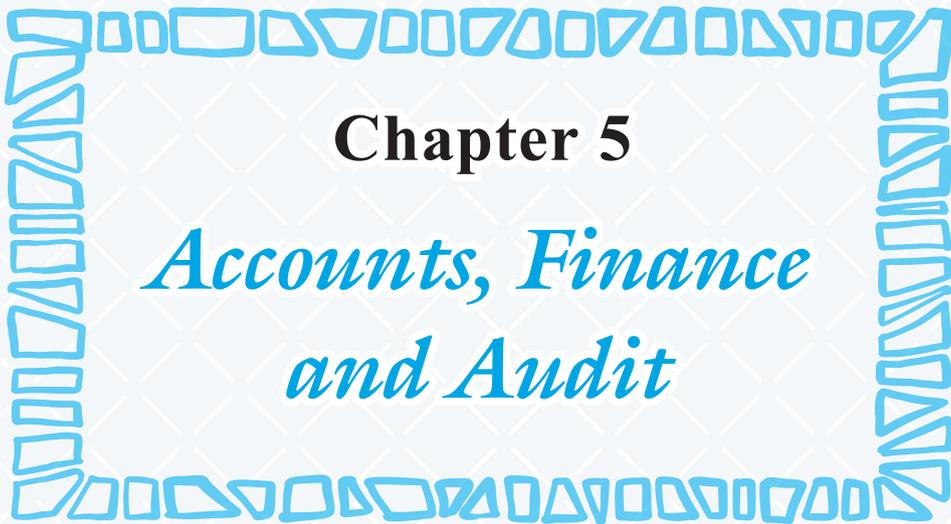
Member Finance Mr. SK Aktar Hossain is in a discussion meeting with officers of Chattogram region at Chattogram Bidyut Bhaban.



Member Administration Mr. Md. Sayed Kutub is in a meeting with officers of different directorates of BPDB at the Board Room.



Member Generation Engr. Md. Ashrafur Islam talking to the officers at the control room of Chapainawabganj 100 MW Power Plant.



Chapter 5
*Accounts, Finance
and Audit*

ACCOUNTS, FINANCE AND AUDIT

Electricity (Power) plays a vital role in the economy of a developing country in many aspects. Day to day the demand of the electricity is growing up. To meet the growing demand of the electricity, BPDB has given high priority in the electricity generation. Beside own generation, BPDB also purchase electricity from the Private Companies generally termed as IPP (Independent Power Producer), Rental power plant and Public power plant to meet the growing demand. In the FY 2020-2021, Generation cost of BPDB's own plant and Electricity purchase from other sources are shown in 'Table-A' with compare to the preceding year.

Table-A

Particulars	FY 2020-21		FY 2019-20		Increase/ (Decrease)
	Amount (Crore Tk.)	Cost (Tk/kWh)	Amount (Crore Tk.)	Cost (Tk/kWh)	
i. BPDB's Generation	6,743.88	4.43	7,464.76	4.47	(9.66)%
ii. Purchase from IPP	27,737.36	8.02	17,518.98	7.00	58.33%
iii. Purchase from Rental	3,328.24	7.47	3,216.43	8.34	3.48%
iv. Purchase from Public Plant	6,917.03	4.29	6,671.67	3.86	3.68%
v. Purchase from India	4,712.91	5.80	4,017.13	6.01	17.32%
vi. Interest on budgetary support	1,294.80	0.16	1,294.80	0.19	0.00%
vii. Provision for Power Sector Development fund	1,144.73	0.15	1,015.02	0.15	12.78%
Total	51,878.96	6.61	41,198.80	5.91	25.92%
Energy Sales	40,141.08		34,011.55		18.02%

It shows that Energy purchase from IPP, Rental, Public Plants, and purchase from India has increased by 58.33%, 3.48%, 3.68%, and 17.32% respectively. BPDB's own generation cost decreased by 9.66% compared to FY 2019-2020. Chart-1 shows the comparative generation picture.

Cost of Electricity Generation and Purchase

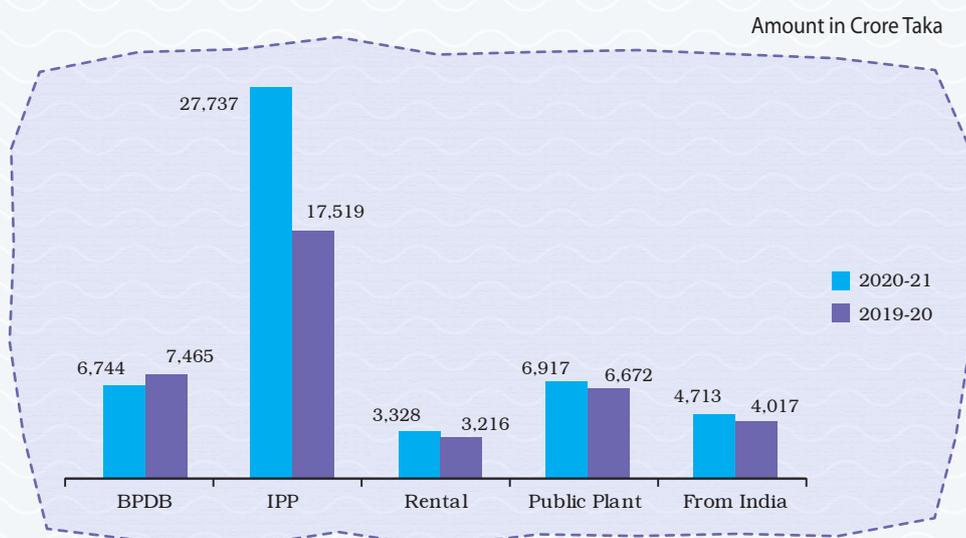


Chart-1

During the financial year 2020-2021 amount of sales to BPDB's own consumers, DPDC, DESCO, WZPDCL, NESCO & REB and the collected amount against sales are given below:

Table-B

Particulars	FY 2020-2021			FY 2019-2020	Increase / (Decrease)
	Sales (Crore Tk.)	Collection (Crore Tk.)	(% of collection on sales)	(% of collection on sales)	
PDB's own consumer	8,313	8,466	101.84%	96.64%	5.20%
DPDC	6,246	6,076	97.28%	102.20%	(4.93)%
DESCO	3,717	3,603	96.92%	102.70%	(5.79)%
WZPDCL	1,979	1,984	100.26%	101.01%	(0.75)%
REB	17,745	17,176	96.79%	100.32%	(3.53)%
NESCO	2,141	2,451	114.45%	105.88%	8.57%
Total	40,141	39,755	99.04%	100.42%	(1.38)%

During the financial year 2020-2021 sales to BPDB's own consumer, DPDC, DESCO, WZPDCL, REB and NESCO Taka 8,313 Crore 6,246 Crore, 3,717 Crore, 1,979 Crore, 17,745 Crore and 2,141 Crore respectively against which amount

collected is 8,466 Crore 6,076 Crore, 3,603 Crore, 1,984 Crore, 17,176 Crore and 2,451 Crore which is 101.84%, 97.28%, 96.92%, 100.26%, 96.79% and 114.45% of billed amount respectively.

Comparative collection over sales

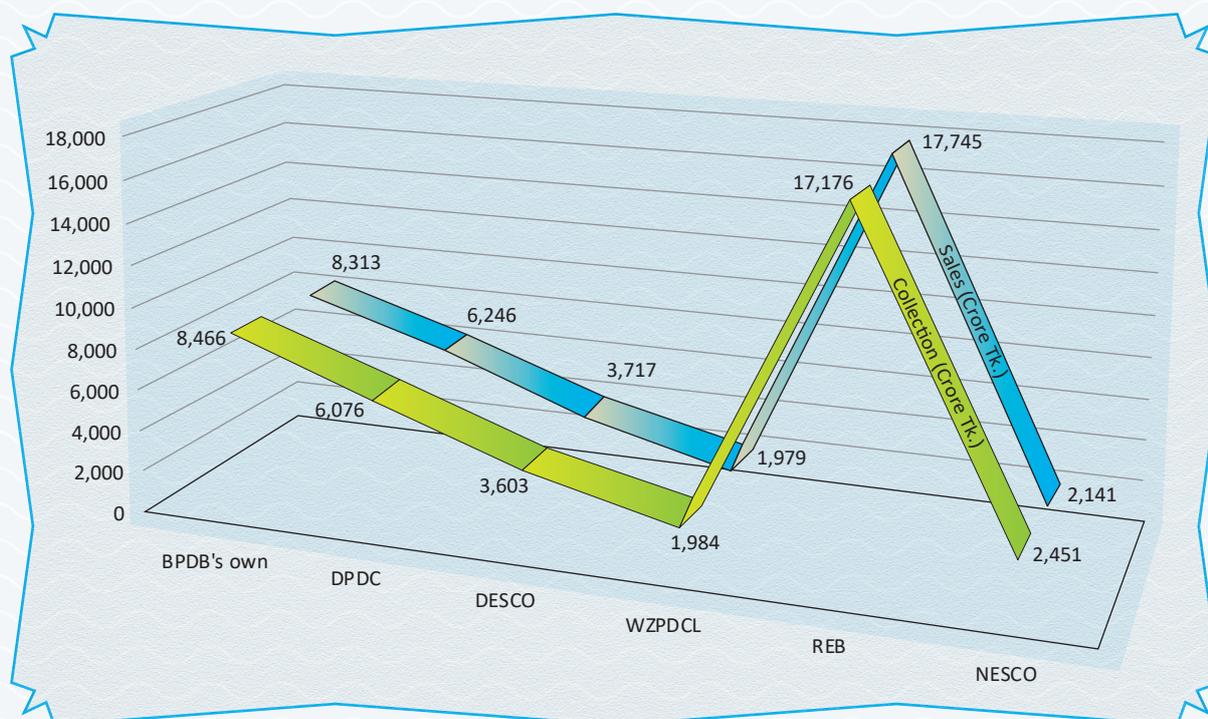


Chart-2

A comparison of the Operating income and operating expenses for FY 2020-2021 and FY 2019-2020 is shown below:

Table-C

Figures in Crore Taka

Head of Accounts	FY 2020-2021	FY 2019-2020	Amount increase/ (Decrease)	Percentage of increase/(Decrease)
Operating Revenue (1)	41,770	35,535	6,235	17.55%
Sale of Electricity	40,141	34,012	6,130	18.02%
Other Operating Revenue	1,629	1,524	105	6.91%
Operating Expenses (2)	50,434	39,887	10,547	26.44%
Fuel Cost	2,994	3,415	(421)	(12.34)%
Generation Expenses (Excluding fuel cost)	2,860	3,008	(149)	(4.94)%
Electricity purchase from IPP	27,737	17,519	10,218	58.33%
Electricity purchase from RENTAL	3,328	3,216	112	3.48%
Electricity purchase from Public Plant	6,917	6,672	245	3.68%
Electricity purchase from India	4,713	4,017	696	17.32%
Wheeling Charge to PGCB	244	232	12	5.13%
Distribution Expenses	1,182	1,354	(172)	(12.73)%
General & Administrative Expenses	459	453	6	1.30%
Operating Loss = (1-2)	(8,664)	(4,352)	(4,312)	99.08%

Table-c shows that sale of electricity has increased by 18.02% and Other Operating Revenue has increased by 6.91% respectively over FY 2019-2020. The cost of fuel for generation has decreased by 12.31% and other generation expense has also decreased by 4.94% over FY 2019-2020. The total operating expenses has increased by 26.44%. Wheeling Charge to PGCB has increased by 5.13% and Distribution Expenses has decreased by 12.73%. Operating Loss for the year 2020-2021 has decreased by 99.08%.

**COMPARATIVE STATEMENT OF BUDGET AND ACHIEVEMENT
FOR THE YEAR 2020-2021**

Amount in Lac Taka

Particulars	Budget 20-21	Achievement	Performance Over Budget	Favorable/ Adverse
OPERATING REVENUE				
ENERGY SALES	3,936,492.39	4,014,107.63	77,615.24	F
OTHER OPERATING INCOME	86,404.31	162,920.52	76,516.21	F
	4,022,896.70	4,177,028.15	154,131.45	F
OPERATING EXPENSES				
FUEL COST - GAS	180,935.65	149,304.10	31,631.55	F
DIESEL/FURNACE OIL USED FOR ELECTRICITY GENERATION	74,978.44	77,940.27	(2,961.83)	A
COAL USED FOR ELECTRICITY GENERATION	62,208.23	72,233.08	(10,024.85)	A
ELECTRICITY PURCHASE FROM IPP	2,012,780.98	2,773,735.65	(760,954.67)	A
ELECTRICITY PURCHASE FROM RENTAL	324,186.04	332,823.81	(8,637.77)	A
ELECTRICITY PURCHASE FROM INDIA	501,298.91	471,291.44	30,007.47	F
ELECTRICITY PURCHASE FROM PUBLIC PLANT	1,120,654.29	691,703.28	428,951.01	F
DEPRECIATION	237,825.08	238,652.85	(827.77)	A
REPAIR & MAINTENANCE EXPENSES	107,200.00	76,066.45	31,133.55	F
PERSONNEL EXPENSES	136,078.00	124,487.63	11,590.37	F
OFFICE & ADMINISTRATIVE EXPENSES	48,641.00	10,867.68	37,773.32	F
TRANSMISSION EXPENSES FOR WHEELING CHARGE	30,464.71	24,389.40	6,075.31	F
TOTAL OPERATING EXPENSES	4,837,251.33	5,043,495.64	(206,244.31)	A
OPERATING INCOME / (LOSS)	(814,354.63)	(866,467.49)	(52,112.86)	A
NON - OPERATING EXPENSES:				
ASSETS INSURANCE FUND	700.00	700.00	-	F
INTEREST ON LOANS	210,477.00	189,932.64	20,544.36	F
POWER SECTOR DEVELOPMENT FUND	112,849.00	114,472.71	(1,623.71)	A
GAIN / (LOSS) DUE TO EXCHANGE RATE FLUCTUATION	(7,000.00)	(6,709.38)	290.62	F
NET NON-OPERATING EXPENSES	317,026.00	298,395.97	18,630.03	F
SUBSIDY FROM GOVT.	1,118,535.00	1,177,791.00	59,256.00	F
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	(12,845.63)	12,927.54	25,773.17	F

From the above statement it is found that, the actual net profit for the FY 2020-2021 is 12,927.54 Lac Taka against the revised budgeted net loss of 12,845.63 Lac Taka which is less than budget provision by 25,773.17 Lac Taka. In analysis of the revised budget and actual expenditure it is observed that the gov. orders/decisions for controlling the cost have been reflected in BPDB's operation.

Utility Plant in Service acquired through project completion

amounting to Taka 3,965.03 Crore has been transferred to assets in operation during the FY 2020-2021. 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

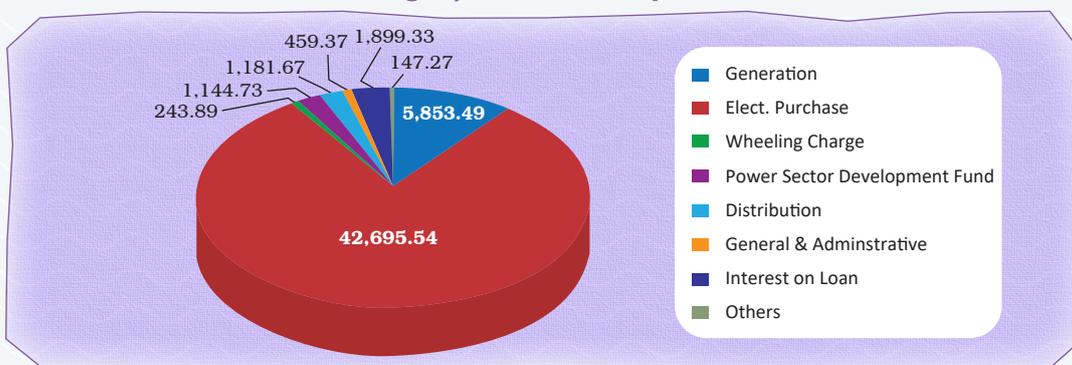


Chart-4

BPDB's Own Generation and Electricity Purchase

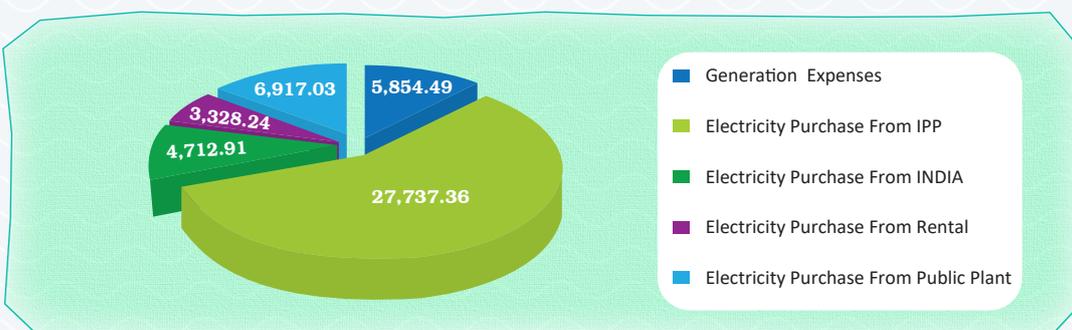


Chart-5

STATEMENT OF FINANCIAL POSITION

AS AT JUNE 30, 2021

Figures In Taka

PROPERTY & ASSETS	AS ON 30-06-2021	AS ON 30-06-2020
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	954,061,983,629	954,600,733,588
LESS : ACCUMULATED DEPRECIATION	312,454,338,441	318,153,303,811
WRITTEN DOWN VALUE	641,607,645,188	636,447,429,777
PROJECT IN PROGRESS	176,979,505,645	174,735,350,509
INVESTMENT IN SHARES	47,559,532,226	33,248,745,642
TOTAL NON-CURRENT ASSETS	866,146,683,059	844,431,525,929
CURRENT ASSETS		
INVESTMENT	44,528,934,604	78,000,518,383
CASH IN HAND & AT BANK	39,249,068,911	65,003,904,372
ACCOUNTS RECEIVABLE - TRADE	114,033,113,744	110,172,579,743
ACCOUNTS RECEIVABLE - OTHERS	72,022,755,458	29,281,550,892
LOAN/ADVANCE TO GOVERNMENT	40,000,000,000	20,000,000,000
PROVISION FOR BAD & DOUBTFUL DEBTS	(1,236,107,585)	(1,236,107,585)
ADVANCE TO CONTRACTORS & SUPPLIERS	3,698,278,396	4,932,949,576
ADVANCE TO EMPLOYEES	2,213,699,287	2,089,407,628
STOCK & STORES	38,106,078,138	38,900,457,645
SECURITY DEPOSIT TO OTHER UTILITIES	626,800,947	744,033,024
INCOME TAX DEDUCTION AT SOURCE	6,317,644,704	6,317,644,704
TOTAL CURRENT ASSETS	359,560,266,605	354,206,938,382
TOTAL PROPERTY & ASSETS	1,225,706,949,664	1,198,638,464,311

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF FINANCIAL POSITION

AS AT JUNE 30, 2021

Figures In Taka

EQUITY & LIABILITIES	AS ON 30-06-2021	AS ON 30-06-2020
AUTHORIZED CAPITAL	400,000,000,000	400,000,000,000
EQUITY & RESERVE		
PAID UP CAPITAL	220,667,242,642	213,289,275,677
RETAINED EARNINGS	(589,436,617,405)	(620,462,024,366)
APPRAISAL SURPLUS	467,354,806,728	467,354,806,728
GOVT. EQUITY AGAINST DESCO'S SHARE	3,328,924,865	3,328,924,865
GRANTS	7,436,755,860	7,436,755,860
DEPOSIT WORK FUND	7,202,248,060	6,169,206,259
LIQUIDITY DAMAGE RESERVE	72,053,500	72,053,500
ASSETS INSURANCE FUND	530,000,000	460,000,000
MAINTANANCE & DEVELOPMENT FUND	-	102,515,319,007
	117,155,414,250	180,164,317,530
NON-CURRENT LIABILITIES		
GOVERNMENT LOAN	84,164,497,112	83,935,962,425
BUDGETARY SUPPORT FROM GOVT.	431,601,200,000	431,601,200,000
FOREIGN LOAN	131,112,903,803	130,041,832,603
LOAN FROM POWER SECTOR DEVELOPMENT FUND	38,800,898,912	-
SECURITY DEPOSIT (CONSUMERS)	5,595,729,415	6,180,033,931
GRATUITY & PENSION FUND	13,531,585,217	13,533,882,565
GPF & CPF	10,318,224,334	9,512,193,795
	715,125,038,792	674,805,105,318
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	103,889,686,235	87,914,778,811
PAYABLE TO POWER SECTOR DEVELOPMENT FUND	12,792,859,707	-
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	1,676,941,215	1,616,463,236
CURRENT PORTION OF LONG TERM LIABILITIES	14,810,337,575	15,914,309,326
DEBT SERVICING LIABILITIES (PRINCIPAL)	85,840,850,391	85,080,765,199
REIMBURSABLE PROJECT AID	1,024,287,460	1,024,287,460
DEBT SERVICING LIABILITIES (INTEREST)	72,962,072,794	72,483,664,832
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	95,545,129,760	82,597,093,760
OTHER LIABILITIES	2,082,237,654	2,012,034,024
	390,624,402,791	348,643,396,649
CLEARING ACCOUNTS	2,802,093,831	(4,974,355,186)
TOTAL EQUITY AND LIABILITIES	1,225,706,949,664	1,198,638,464,311

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME

FOR THE YEAR ENDED JUNE 30, 2021

Figures In Taka

PARTICULARS	FY 2020-2021	FY 2019-2020
OPERATING REVENUE		
ENERGY SALES	401,410,762,791	340,115,516,283
OTHER OPERATING INCOME	16,292,051,858	15,238,488,936
	417,702,814,649	355,354,005,219
OPERATING EXPENSES		
GENERATION EXPENSES	58,544,890,849	64,233,922,246
ELECTRICITY PURCHASE FROM IPP	277,373,564,998	175,189,846,701
ELECTRICITY PURCHASE FROM INDIA	47,129,144,480	40,171,296,679
ELECTRICITY PURCHASE FROM RENTAL	33,282,381,364	32,164,342,577
ELECTRICITY PURCHASE FROM PUBLIC PLANT	69,170,328,105	66,716,719,282
TRANSMISSION EXPENSES FOR WHEELING CHARGE	2,438,939,736	2,319,940,994
DISTRIBUTION EXPENSES	11,816,655,224	13,540,529,860
GENERAL & ADMINISTRATIVE EXPENSES	4,593,658,973	4,534,880,470
	504,349,563,730	398,871,478,808
OPERATING INCOME / (LOSS)	(86,646,749,081)	(43,517,473,590)
FINANCING & OTHER CHARGES	6,045,228,369	7,315,787,374
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	12,948,036,000	12,948,036,000
LOSS/(GAIN) DUE TO EXCHANGE RATE FLUCTUATION	7,492,306	484,801,202
ASSETS INSURANCE FUND	70,000,000	70,000,000
SUBSIDY FROM GOVERNMENT	(117,779,100,000)	(74,394,400,000)
PROVISION FOR POWER SECTOR DEVELOPMENT FUND	11,447,270,614	10,150,170,000
GAIN ON SALE OF SHARES	(2,073,599,682)	-
INCOME / (LOSS) BEFORE TAX	2,687,923,312	(91,868,165)
INCOME TAX (TDS)	1,395,169,278	-
COMPREHENSIVE INCOME / (LOSS)	1,292,754,034	(91,868,165)
RETAINED EARNINGS		
BALANCE AS AT JULY 01, 2020	(620,462,024,366)	(579,637,444,825)
PREVIOUS YEAR'S ADJUSTMENT	29,732,652,927	(40,732,711,375)
COMPREHENSIVE INCOME / (LOSS)	1,292,754,034	(91,868,165)
BALANCE AS AT JUNE 30, 2021	(589,436,617,405)	(620,462,024,366)

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED JUNE 30, 2021

Figures In Taka

SL. No.	DESCRIPTION	AMOUNT	AMOUNT	AMOUNT
	CASH FLOW FROM OPERATING ACTIVITIES			
A	Total Receipts from BPDB Customer, REB & Others			
	Operating Revenue-Note-45 & 46	417,702,814,649		
	Accounts Receivable-Trade-Opening-Note-10	110,172,579,743		
	Accounts Receivable-Trade-Closing-Note-10	(114,033,113,744)		
	Accounts Receivable-Others -Opening-Note-11 (Except 142A,142B,142C & 142D)	25,060,881,639		
	Accounts Receivable-Others -Closing-Note-11 (Except 142A,142B,142C & 142D)	(25,289,342,680)		
	Provision for Bad Debt-Opening-Note-13	(1,236,107,585)		
	Provision for Bad Debt-Closing-Note-13	1,236,107,585		
			413,613,819,606	
B	Less Total Payment for Operating Expenses & Others			
	Operating Expenses net of Depreciation	480,484,279,099		
	Previous Year's Adjustments-Note-63(Except adjustment for PSDF & Govt. Subsidy)	(3,564,146,675)		
	Interest Charges-Note-41 & 55 (Code-675 & Interest of Loan paid in cash)	8,183,270,381		
	Income tax (TDS)-Note-62	1,395,169,278		
	Liquidity Reserve-Opening- Note-25	72,053,500		
	Liquidity Reserve-Closing - Note-25	(72,053,500)		
	Accounts Payable-Opening -Note-35	87,914,778,811		
	Accounts Payable-Closing- Note-35	(103,889,686,235)		
	Security Deposit Contractor's-Opening -Note-37	1,616,463,236		
	Security Deposit Contractor's-Closing- Note-37	(1,676,941,215)		
	Other Liabilities-Opening-Note-43	2,012,034,024		
	Other Liabilities-Closing-Note-43	(2,082,237,654)		
	Advance to Contractors-Opening - Note-14	(4,932,949,576)		
	Advance to Contractors-Closing - Note-14	3,698,278,396		
	Advance to Employees-Opening- Note-15	(2,089,407,628)		
	Advance to Employees-Closing- Note-15	2,213,699,287		
	Stock & Stores-Opening- Note-16	(38,900,457,645)		
	Stock & Stores-Closing- Note-16	38,106,078,138		
	Clearing Account-Opening- Note-44	(4,974,355,186)		
	Clearing Account-Closing- Note-44	(2,802,093,831)		
	Deposits & Prepaid-Opening- Note-17 & 18	(7,061,677,728)		
	Deposits & Prepaid-Closing -Note-17 & 18	6,944,445,652		
			460,594,542,930	
C	Reimbursable Project Aid- received-Sh-35			-
D				
E	NET CASH OUTFLOW FROM OPERATING ACTIVITIES (A-B-C-D)			(46,980,723,323)
	CASH FLOW FROM INVESTING ACTIVITIES			
	Consumers Security Deposit - Note-32 (Closing-Opening)	(584,304,517)		
	Capital Expenditure-UPIS-Note-3 (From revenue fund)	(4,408,044,195)		
	Capital Expenditure-PIP-Note-06 (Net Cash)	(39,637,044,460)		
	Employees Contribution to GPF, CPF & Pension Fund-Note-33 & 34(Closing-Opening)	803,733,191		
	Investment in Shares -Note-07 (Excluding addition to NESCO Ltd.)	(3,000,000,000)		
	Proceeds on Sale of Shares-Note-07 & 60	2,535,000,000		
	Encashment of FDR-Note-08 (Excluding transfer of FDR against PSDF)	20,632,584,779		
	Investment in FDR-Note-08	(14,485,197,429)		
F	NET CASH OUT FLOW FROM INVESTING ACTIVITIES			(38,143,272,631)
	CASH FLOW FROM FINANCING ACTIVITIES			
	Capital Contribution -Note-19	7,459,575,965		
	Grant-Note-23 (Closing- Opening)	-		
	Govt. Loan-Note-29 (Loan Drawn during the Year)	4,973,050,643		
	Foreign Loan-Note-30.Loan wise (Loan Drawn during the Year)	16,297,521,255		
	Deposit Work Fund -Note-24 (Closing- Opening)	1,033,041,801		
	DSL (Principal due)-Note-39-PGCB,APSCL & WZPDCL (Except Cash) A/R Other	776,091,889		
	DSL (Interest)-Note-41-PGCB,APSCL & WZPDCL (Except Cash) A/R Other	399,507,206		
	Repayment of Foreign Loan-Note-39	(14,475,587,212)		
	Repayment of Govt. Loan-Note-39	(3,446,497,732)		
	Refund of Govt. Loan-Note-29	(54,406,000)		
	Refund of Equity to GOB-Note-19	(81,609,000)		
	Loan/Advance to Government-Note-12	(20,000,000,000)		
	Loan From Power Sector Development Fund-Note-31	8,850,212,818		
	Fund transferred to PSDF (Bank Balance of PSDF & against provision)	(31,809,741,139)		
G	NET CASH INFLOW FROM FINANCING ACTIVITIES			(30,078,839,507)
H	NET CASH OUTFLOW (E+F+G)			(115,202,835,461)
I	CASH RECEIVED FROM GOVT. AS Subsidy			89,448,000,000
J	OPENING CASH IN HAND			65,003,904,372
K	CLOSING CASH IN HAND (H+I+J)			39,249,068,911

STATEMENT OF FINANCIAL POSITION (GENERATION & BULK)

AS AT JUNE 30, 2021

Figures In Taka

PROPERTY & ASSETS	FY 2020-2021	FY 2019-2020
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	691,142,586,265	649,953,139,193
LESS : ACCUMULATED DEPRECIATION	226,979,005,446	209,646,268,523
WRITTEN DOWN VALUE	464,163,580,819	440,306,870,670
PROJECT IN PROGRESS	108,261,819,859	119,534,752,260
INVESTMENT IN SHARES	30,873,543,133	28,334,943,451
TOTAL NON-CURRENT ASSETS	603,298,943,811	588,176,566,381
CURRENT ASSETS		
INVESTMENT	29,839,693,880	62,033,307,849
CASH IN HAND & AT BANK	29,059,584,773	51,483,453,404
ACCOUNTS RECEIVABLE - TRADE	93,536,715,416	88,145,759,658
ACCOUNTS RECEIVABLE - FROM BULK	38,163,790,511	52,591,372,994
ACCOUNTS RECEIVABLE - OTHERS	68,543,286,732	26,003,232,615
LOAN/ ADVANCE TO GOVERNMENT	40,000,000,000	20,000,000,000
ADVANCE TO CONTRACTORS & SUPPLIERS	3,323,389,062	4,558,060,242
ADVANCE TO EMPLOYEES	1,270,414,742	1,168,300,755
STOCK & STORES	33,082,774,260	33,083,684,998
SECURITY DEPOSIT TO OTHER UTILITIES	622,339,178	736,406,865
INCOME TAX DEDUCTION AT SOURCE	5,987,392,516	5,987,392,516
TOTAL CURRENT ASSETS	343,429,381,070	345,790,971,896
TOTAL PROPERTY & ASSETS	946,728,324,881	933,967,538,277

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF FINANCIAL POSITION (GENERATION & BULK)

AS AT JUNE 30, 2021

Figures In Taka

EQUITY & LIABILITIES	FY 2020-2021	FY 2019-2020
EQUITY & RESERVE		
PAID UP CAPITAL	156,682,608,215	156,149,875,093
RETAINED EARNINGS	(522,374,698,788)	(545,054,114,966)
APPRAISAL SURPLUS	281,709,455,417	281,709,455,417
GRANTS	5,087,812,642	5,087,812,642
LIQUIDITY DAMAGE RESERVE	72,053,500	72,053,500
ASSETS INSURANCE FUND	409,000,000	353,000,000
MAINTANANCE & DEVELOPMENT FUND	-	102,515,319,007
	(78,413,769,014)	833,400,693
NON-CURRENT LIABILITIES		
BUDGETARY SUPPORT FROM GOVT.	431,601,200,000	431,601,200,000
GOVERNMENT LOAN	54,208,582,454	56,574,386,553
FOREIGN LOAN	122,376,678,196	118,265,970,524
LOAN FROM POWER SECTOR DEVELOPMENT FUND	38,800,898,912	-
GPF & CPF	6,212,528,967	5,556,942,414
GRATUITY & PENSION FUND	9,609,362,447	9,427,191,611
	662,809,250,976	621,425,691,102
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	102,686,123,602	86,625,466,706
PAYABLE TO POWER SECTOR DEVELOPMENT FUND	12,792,859,707	-
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	1,103,741,941	1,129,753,124
CURRENT PORTION OF LONG TERM LIABILITIES	13,407,201,625	14,698,906,338
DEBT SERVICING LIABILITIES (PRINCIPAL)	57,771,285,202	57,812,853,604
REIMBURSABLE PROJECT AID	516,533,039	516,533,039
DEBT SERVICING LIABILITIES (INTEREST)	52,024,802,843	52,548,922,886
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	95,545,129,760	82,597,093,760
OTHER LIABILITIES	1,106,474,929	1,060,865,058
	336,954,152,648	296,990,394,516
CLEARING ACCOUNTS	25,378,690,269	14,718,051,966
TOTAL EQUITY & LIABILITIES	946,728,324,881	933,967,538,277

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME (GENERATION & BULK)

FOR THE YEAR ENDED JUNE 30, 2021

Figures In Taka

PARTICULARS	FY 2020-2021	FY 2019-2020
OPERATING REVENUE		
ENERGY SALES (BULK)	391,876,410,773	328,655,625,329
OTHER OPERATING INCOME	13,134,420,191	13,150,184,764
	405,010,830,965	341,805,810,093
OPERATING EXPENSES		
FUEL EXPENSES	29,947,744,619	34,151,740,542
PERSONNEL EXPENSES	5,536,084,123	6,942,724,213
OFFICE EXPENSES	341,578,059	394,330,104
REPAIR & MAINTENANCE EXPENSES	5,926,533,806	6,558,726,069
DEPRECIATION	16,792,950,243	16,186,401,317
TOTAL OWN GENERATION EXPENSES	58,544,890,849	64,233,922,246
ELECTRICITY PURCHASE FROM IPP	277,373,564,998	175,189,846,701
ELECTRICITY PURCHASE FROM INDIA	47,129,144,480	40,171,296,679
ELECTRICITY PURCHASE FROM RENTAL	33,282,381,364	32,164,342,577
ELECTRICITY PURCHASE FROM PUBLIC PLANT	69,170,328,105	66,716,719,282
GENERAL & ADMINISTRATIVE EXPENSES	3,642,693,899	3,608,215,484
TOTAL OPERATING EXPENSES	489,143,003,695	382,084,342,968
OPERATING INCOME / (LOSS)	(84,132,172,730)	(40,278,532,875)
FINANCING & OTHER CHARGES	5,085,983,112	6,308,480,879
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	12,948,036,000	12,948,036,000
LOSS / (GAIN) DUE TO EXCHANGE RATE FLUCTUATION	109,260,587	441,007,248
ASSETS INSURANCE FUND	56,000,000	56,000,000
PROVISION FOR MAINTANANCE & DEVELOPMENT FUND	11,447,270,614	10,150,170,000
GAIN ON SALE OF SHARES	(2,073,599,682)	-
SUBSIDY FROM GOVT.	(117,779,100,000)	(74,394,400,000)
INCOME / (LOSS) BEFORE TAX	6,073,976,639	4,212,172,998
INCOME TAX (TDS)	1,169,516,374	-
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	4,904,460,265	4,212,172,998
RETAINED EARNINGS		
BALANCE AS AT JULY 01, 2020	(545,054,114,966)	(546,244,441,064)
PREVIOUS YEAR'S ADJUSTMENT	17,774,955,912	(3,021,846,900)
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	4,904,460,265	4,212,172,998
BALANCE AS AT JUNE 30, 2021	(522,374,698,788)	(545,054,114,966)

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF FINANCIAL POSITION (DISTRIBUTION)

AS AT JUNE 30, 2021

Figures In Taka

PROPERTY & ASSETS	FY 2020-2021	FY 2019-2020
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	262,919,397,365	304,647,594,395
LESS : ACCUMULATED DEPRECIATION	85,475,332,995	108,507,035,287
WRITTEN DOWN VALUE	177,444,064,369	196,140,559,108
PROJECT IN PROGRESS	68,717,685,786	55,200,598,249
INVESTMENT IN SHARES	16,685,989,093	4,913,802,191
TOTAL NON-CURRENT ASSETS	262,847,739,248	256,254,959,548
CURRENT ASSETS		
INVESTMENT	14,689,240,725	15,967,210,535
CASH IN HAND & AT BANK	10,189,484,138	13,520,450,969
ACCOUNTS RECEIVABLE - TRADE	20,496,398,329	22,026,820,085
ACCOUNTS RECEIVABLE - OTHERS	3,479,468,726	3,278,318,278
PROVISION FOR BAD & DOUBTFUL DEBTS	(1,236,107,585)	(1,236,107,585)
ADVANCE TO CONTRACTORS & SUPPLIERS	374,889,334	374,889,334
ADVANCE TO EMPLOYEES	943,284,546	921,106,874
STOCK & STORES	5,023,303,877	5,816,772,646
SECURITY DEPOSIT TO OTHER UTILITIES	4,461,770	7,626,159
INCOME TAX DEDUCTION AT SOURCE	330,252,188	330,252,188
TOTAL CURRENT ASSETS	54,294,676,048	61,007,339,483
TOTAL PROPERTY & ASSETS	317,142,415,297	317,262,299,031

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DEWAN NAZRUL ISLAM & CO.
Chartered Accountants



Central revenue meeting of BPDB with Chairman Engr. Md. Belayet Hossain in the Chair through video conference.

STATEMENT OF FINANCIAL POSITION (DISTRIBUTION)

AS AT JUNE 30, 2021

Figures In Taka

EQUITY & LIABILITIES	FY 2020-2021	FY 2019-2020
EQUITY & RESERVE		
PAID UP CAPITAL	63,984,634,427	57,139,400,585
RETAINED EARNINGS	(67,061,918,616)	(75,407,909,400)
APPRAISAL SURPLUS	185,645,351,311	185,645,351,311
GOVT. EQUITY AGAINST DESCO'S SHARE	3,328,924,865	3,328,924,865
GRANTS	2,348,943,218	2,348,943,218
DEPOSIT WORK FUND	7,202,248,060	6,169,206,259
ASSETS INSURANCE FUND	121,000,000	107,000,000
	195,569,183,265	179,330,916,839
NON-CURRENT LIABILITIES		
GOVERNMENT LOAN	29,955,914,659	27,361,575,872
FOREIGN LOAN	8,736,225,607	11,775,862,079
SECURITY DEPOSIT (CONSUMERS)	5,595,729,414	6,180,033,931
GPF & CPF	4,105,695,366	3,955,251,381
GRATUITY & PENSION FUND	3,922,222,770	4,106,690,954
	52,315,787,816	53,379,414,217
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	1,203,562,632	1,289,312,104
ACCOUNTS PAYABLE TO BPDB GENERATION & BULK	38,163,790,511	52,591,372,994
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	573,199,273	486,710,111
CURRENT PORTION OF LONG TERM LIABILITIES	1,403,135,950	1,215,402,989
DEBT SERVICING LIABILITIES (PRINCIPAL)	28,069,565,189	27,267,911,595
REIMBURSABLE PROJECT AID	507,754,421	507,754,421
DEBT SERVICING LIABILITIES (INTEREST)	20,937,269,951	19,934,741,946
OTHER LIABILITIES	975,762,726	951,168,967
	91,834,040,653	104,244,375,126
CLEARING ACCOUNTS	(22,576,596,437)	(19,692,407,150)
TOTAL EQUITY & LIABILITIES	317,142,415,297	317,262,299,031

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
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STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME (DISTRIBUTION)

FOR THE YEAR ENDED JUNE 30, 2021

Figures In Taka

PARTICULARS	FY 2020-2021	FY 2019-2020
OPERATING REVENUE		
ENERGY SALES (RETAIL)	83,129,393,101	72,313,806,283
OTHER OPERATING INCOME	3,157,631,666	2,088,304,172
	86,287,024,768	74,402,110,454
OPERATING EXPENSES		
POWER PURCHASE COST AS PER BST	73,595,041,084	60,853,915,329
TRANSMISSION EXPENSES FOR WHEELING CHARGE	2,438,939,736	2,319,940,994
TOTAL ENERGY IMPORT COST	76,033,980,820	63,173,856,323
PERSONNEL EXPENSES	3,868,629,862	4,202,766,183
OFFICE EXPENSES	342,528,170	380,648,105
REPAIR & MAINTENANCE EXPENSES	1,149,530,807	2,637,982,847
DEPRECIATION	6,455,966,386	6,319,132,725
PROVISION FOR BAD DEBTS	-	-
TOTAL DISTRIBUTION EXPENSES	11,816,655,224	13,540,529,860
GENERAL & ADMINISTRATIVE EXPENSES	950,965,074	926,664,986
TOTAL OPERATING EXPENSES	88,801,601,119	77,641,051,169
OPERATING INCOME / (LOSS)	(2,514,576,351)	(3,238,940,715)
FINANCING & OTHER CHARGES	959,245,258	1,007,306,494
LOSS / (GAIN) DUE TO EXCHANGE RATE FLUCTUATION	(101,768,281)	43,793,954
ASSETS INSURANCE FUND	14,000,000	14,000,000
INCOME / (LOSS) BEFORE TAX	(3,386,053,327)	(4,304,041,163)
INCOME TAX (TDS)	225,652,904	-
COMPREHENSIVE INCOME / (LOSS)	(3,611,706,231)	(4,304,041,163)
RETAINED EARNINGS		
BALANCE AS AT JULY 01, 2020	(75,407,909,400)	(33,393,003,761)
PREVIOUS YEAR'S ADJUSTMENT	11,957,697,015	(37,710,864,475)
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	(3,611,706,231)	(4,304,041,163)
BALANCE AS AT JUNE 30, 2021	(67,061,918,616)	(75,407,909,400)

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

INCOME STATEMENT AND BALANCE SHEET RATIOS

Name of Ratio	Formula	30-Jun-21		30-Jun-20	
		Calculations	Result	Calculations	Result
Operating Income Ratio	Operating Income	(86,646,749,081.03)	(20.74)%	(43,517,473,589.83)	(12.25)%
	Total operating revenue	417,702,814,648.56		355,354,005,218.66	
Rate of Return on Asset	Operating Income	(86,646,749,081.03)	(9.08)%	(43,517,473,589.83)	(4.56)%
	Operating Average fixed Assets	954,061,983,629.07		954,600,733,588.08	
Operating Expenses Ratio	Operating Expenses	504,349,563,729.59	120.74%	398,871,478,808.49	112.25%
	Operating revenue	417,702,814,648.56		355,354,005,218.66	
Current Ratio	Total Current Assets	412,328,012,176.61	1.06:1	354,206,938,382.17	1.02:1
	Total Current Liabilities	390,624,402,791.36		348,643,396,649.28	
Quick Ratio	Total Current Assets - Inventory	412,328,012,176.61-38,106,078,137.52	0.96:1	354,206,938,382.17-38,900,457,644.67	0.90:1
	Total Current Liabilities	390,624,402,791.36		348,643,396,649.28	
Debt-Equity Ratio	Total Long Term Debt	715,125,038,791.92	6.10:1	645,578,995,027.08	3.58:1
	Total Equity Capital	117,155,414,250.38		180,164,317,530.27	

Note: Current Assets Include PSDF Current Assets of TAKA 52,767,745,572 (Excluding Fund Receivable From BPDB).

CONSOLIDATED SCHEDULE OF EXPENSES

Figures In Taka

Head of Accounts	Generation Expenses	Distribution Expenses	Gen. & Admn. Expenses	Total Expenses FY 2020-2021	Total Expenses FY 2019-2020
Fuel Consumption for Generation					
Natural Gas	14,930,410,030	-	-	14,930,410,030	17,461,910,978
Liquid fuel	7,794,026,985	-	-	7,794,026,985	6,547,408,197
Coal	7,223,307,604	-	-	7,223,307,604	10,142,421,367
Sub-Total	29,947,744,619	-	-	29,947,744,619	34,151,740,542
Personnel Expenses	5,536,084,123	3,868,629,862	3,044,048,771	12,448,762,756	14,206,376,320
Office & Other Expenses	341,578,059	342,528,170	402,661,627	1,086,767,856	1,175,515,203
Repairs & Maintenance	5,926,533,806	1,149,530,807	530,580,572	7,606,645,185	9,697,679,261
Depreciation	16,792,950,243	6,455,966,386	616,368,002	23,865,284,631	23,078,021,250
Bad debts	-	-	-	-	-
Wheeling Charge	-	2,438,939,736	-	2,438,939,736	2,319,940,994
Sub-Total	28,597,146,230	14,255,594,960	4,593,658,973	47,446,400,164	50,477,533,028
Electricity Purchase					
From IPP & SIPP	277,373,564,998	-	-	277,373,564,998	175,189,846,701
From Rental Plant	33,282,381,364	-	-	33,282,381,364	32,164,342,577
From Public Plant	69,170,328,105	-	-	69,170,328,105	66,716,719,282
From India	47,129,144,480	-	-	47,129,144,480	40,171,296,679
Sub-Total	426,955,418,947	-	-	426,955,418,947	314,242,205,238
Financing & other charges	5,085,983,112	959,245,258	-	6,045,228,369	7,315,787,374
Interest on Budgetary Support	12,948,036,000	-	-	12,948,036,000	12,948,036,000
Power Sector Dev. Expenses	11,447,270,614	-	-	11,447,270,614	10,150,170,000
Provision for Assets Ins.	56,000,000	14,000,000	-	70,000,000	70,000,000
Exchange Rate Fluctuation	109,260,587	(101,768,281)	-	7,492,306	484,801,202
Sub-Total	29,646,550,313	871,476,976	-	30,518,027,289	30,968,794,575
Grand Total	515,146,860,109	15,127,071,937	4,593,658,973	534,867,591,019	429,840,273,384

DETAILS OF PERSONNEL EXPENSES

Figures In Taka

Head of Accounts	Generation Expenses	Distribution Expenses	General & Administrative Expenses	Total
Pay of Officers	454,090,020	249,930,965	401,714,853	1,105,735,837
Pay of Staff	895,969,212	722,902,159	349,469,091	1,968,340,462
Allowances of Officers	311,122,576	110,789,453	200,245,072	622,157,102
Allowances of Staff	658,800,076	441,638,040	219,877,092	1,320,315,208
Leave Encashment	49,309,719	33,334,534	32,453,223	115,097,476
Overtime Allowances (Single Rate)	151,995,280	121,389,821	52,114,010	325,499,111
Overtime Allowances (Double Rate)	601,769,596	433,455,670	121,191,970	1,156,417,236
House Rent Expenses	-	-	-	-
Medical Expenses	13,872,826	5,520,993	4,974,376	24,368,195
Bonus for Officers	72,617,089	43,432,656	67,732,660	183,782,405
Bonus for Staff	151,520,673	122,000,174	62,471,534	335,992,381
Bangla Nobo Barsho Allowance (For Officers)	8,596,071	4,436,438	6,730,540	19,763,049
Bangla Nobo Barsho Allowance (For Staff)	14,043,263	11,206,819	5,685,618	30,935,700
Employees Electricity Rebate	155,126,475	120,593,046	70,520,865	346,240,385
Workmen Compensation	-	1,488,286	-	1,488,286
Gratuity	-	-	-	-
Income Tax of Officers & Staff	-	-	-	-
Employees Other Benefit & Welfare Expenses	2,794,145	2,395,478	2,210,452	7,400,075
Reimbursement for Treatment of Accident (on duty) affected Employee	-	273,015	12,514,970	12,787,985
Board's Contribution to CPF	-	-	-	-
Board's Contribution to Pension Fund	1,413,796,258	985,486,838	972,299,245	3,371,582,341
Leave Encashment on Retirement	84,930,380	93,331,243	93,827,216	272,088,839
L. Salary & Pension Cont. for Trans. Govt. Employees	-	-	-	-
Honorarium Punishment/Reward Scheme	203,704,435	117,637,789	119,774,659	441,116,883
Honorarium Others	42,265,648	8,287,348	53,897,772	104,450,768
Wages for Hired Labour	249,760,380	237,668,038	73,658,036	561,086,455
Computerization of Commercial Operation	-	1,150,086	112,862,262	114,012,348
Service charge for collection of Electricity Bill by Mobile Phone Co.	-	-	7,562,976	7,562,976
Contract out- Commercial Operation activities	-	-	-	-
Interest on GPF/CPF	-	280,974	260,279	541,253
Total Personnel Expenses	5,536,084,123	3,868,629,862	3,044,048,771	12,448,762,756



Hon'ble Prime Minister Sheikh Hasina is witnessing the handing over of a Cheque to Prime Minister's Corona and House Construction Fund by power sector entities.

DETAILS OF OFFICE AND OTHER EXPENSES

Figures In Taka

Head of Accounts	Generation	Distribution	General & Administrative	Total
Traveling Expenses/ Allowances(For Official)	29,906,896	69,994,030	33,869,377	133,770,303
Traveling Expenses (For Training)	397,855	765,546	1,166,762	2,330,163
Conveyance Charge	1,026,665	4,940,007	5,078,829	11,045,501
Washing Expenses	190,292	225,335	115,834	531,461
Representation & Entertainment	548,681	8,118	7,102,250	7,659,049
Stationary & Printing	14,901,132	60,007,880	47,241,403	122,150,414
Taxes,Licence & Fees	56,640,961	15,175,210	66,755,645	138,571,815
Office Rent	-	5,084,448	2,505,011	7,589,459
Water Charges	4,592,720	991,478	27,019,150	32,603,348
Electric Charges (Own use)	180,428,316	121,376,909	50,520,531	352,325,756
Electricity Rebate - Freedom fighters	-	4,089,874	-	4,089,874
Uniforms & Liveries	12,864,416	7,160,887	3,218,315	23,243,618
Post & Telegram	345,304	2,701,191	1,355,968	4,402,463
Telephone,Telex & Fax	7,056,734	12,226,569	5,359,279	24,642,582
Advertising & Promotion	25,342,874	32,064,065	50,873,479	108,280,418
Audit Fee	-	-	1,920,000	1,920,000
Legal Expenses (Lawyer's Fees & Court Fees)	31,850	5,317,635	6,022,442	11,371,927
Books & Periodicals	509,472	398,989	939,231	1,847,692
Donation & Contributions	6,411,112	-	1,892,490	8,303,602
Donation to sick Employees from Benevolent Fund	64,000	-	-	64,000
Training & Education	318,780	-	89,705,631	90,024,411
Training & Education- Foreign	-	-	-	-
Allocation of Gen. Admn. Exp.	-	-	-	-
Miscellaneous Expenses	-	-	-	-
Total Office & Other Expenses	341,578,059	342,528,170	402,661,627	1,086,767,856

DETAILS OF REPAIR AND MAINTENANCE EXPENSES

Figures In Taka

Head of Accounts	Generation	Distribution	General & Administrative	Total
Petrol, Diesel & Lubricants Used for Transport	30,467,454.25	112,798,639.56	62,108,021.33	205,374,115.14
CNG Used for Vehicle	4,179,337.00	5,036,827.00	4,732,927.00	13,949,091.00
Petrol, Diesel & Lubricants Used for Other Equipment	129,138,824.15	-	-	129,138,824.15
Store & Spares Used	272,028,143.83	118,058,892.00	16,885,506.00	406,972,541.83
Store & Spares Used - Foreign	-	-	-	-
Store & Spares Used - Received from Other Stores	-	-	-	-
Custom Duties & Sale Tax	807,647,708.69	68,284,382.46	-	875,932,091.15
Vat	128,610,381.09	-	-	128,610,381.09
Vat - For Assets Manufacturing by BPDB	-	-	-	-
Demurrage & Warfront	-	-	-	-
Hire of Equipment	-	-	-	-
Freight & Handling	32,161,403.98	94,429,578.65	82,985.00	126,673,967.63
Insurance (For Goods & Property)	-	-	1,346,814.00	1,346,814.00
Insurance For Vehicle & other	2,737,662.00	944,856.00	2,753,587.67	6,436,105.67
Group Insurance Premium	-	-	34,172,716.00	34,172,716.00
Bank Charge & Commission	4,770,769.71	63,947,784.86	18,097,383.18	86,815,937.75
Contractor's Fees	-	-	-	-
Office Maintenance	-	-	332,327.00	332,327.00
Store Maintenance	-	-	-	-
Consultant's Fee - Local	710,000.00	12,165,746.00	19,674,198.00	32,549,944.00
Consultant's Expenses - Foreign	277,857,138.61	5,215,316.00	43,178,945.00	326,251,399.61
Land & Land Rights	-	7,900.00	11,853,781.00	11,861,681.00
Structure & Improvement	73,446,229.00	90,080,235.00	194,982,968.00	358,509,432.00
Boiler Plant equipment	34,997,797.00	-	-	34,997,797.00
Engine & Engine Driven Generators	13,430,086.40	-	10,010.00	13,440,096.40
Generator	44,019,831.60	-	2,470.00	44,022,301.60
Prime Movers	11,161,980.00	-	-	11,161,980.00
Accessory Electric Equipment	2,513,542.00	-	479,049.00	2,992,591.00
Reservoir, Dams & Waterways	11,230,957.00	-	57,806.67	11,288,763.67
Water Wheels and Turbines	-	-	-	-
Roads, Rail Roads & Bridges	-	-	-	-
Fuel Holders, Producers & Accessories	-	8,800.00	-	8,800.00
Station Equipment	3,950,376,088.59	4,024,200.00	404,270.00	3,954,804,558.59
Towers and Fixtures	-	635,477.00	-	635,477.00
Poles & Fixtures	-	973,697.00	-	973,697.00
Overhead Conduct & Devices	34,503,838.00	481,359,441.00	9,274,041.00	525,137,320.00
Underground Conductors	-	-	-	-
Line Transformers	-	14,346.00	1,690,457.00	1,704,803.00
Transformer Manufacturing	-	71,050.00	-	71,050.00
Street Lighting and Signal Systems	-	-	-	-
Meter	-	455,115.00	26,253,950.00	26,709,065.00
Transportation Equipment	34,896,579.42	83,157,704.00	72,586,143.61	190,640,427.03
Heavy & Other Power Operated Equipment's	-	20,273.00	-	20,273.00
Office furniture & Equipment	1,125,217.00	5,086,247.00	6,177,991.00	12,389,455.00
Office Equipment (Computer, Monitor & Others)	184,752.00	990.00	66,242.00	251,984.00
Communication Equipments	-	-	-	-
Tools, Shop and Garage Equipments	-	2,359,796.00	1,359,131.00	3,718,927.00
Laboratory Equipment	-	-	-	-
Stores Equipment	24,338,085.00	393,513.00	2,016,852.00	26,748,450.00
Fire Fighting Equipment	-	-	-	-
Renewable Energy Promotion (Solar Power)	-	-	-	-
Miscellaneous Equipment	-	-	-	-
Total Repair & Maintenance	5,926,533,806.32	1,149,530,806.53	530,580,572.46	7,606,645,185.31

COMPARISON OF ELECTRICITY PURCHASE FROM IPP AND SIPP WITH PREVIOUS YEAR

Particulars	FY 2020-2021			FY 2019-2020		
	Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
RPC LTD. Mymensingh (210 MW)	1,150,056,632	3,840,313,302	3.34	1,289,580,768	4,400,973,182	3.41
Haripur Power Ltd.	2,315,379,010	3,878,445,190	1.68	2,585,723,830	4,082,364,590	1.58
Meghnaghat Power Ltd.	2,276,324,250	6,238,656,026	2.74	3,042,188,735	7,702,108,964	2.53
Doreen Power Generation & System Ltd.-Feni	160,004,772	459,479,489	2.87	141,279,396	415,324,790	2.94
Doreen Power Generation & System Ltd.- Tangail	151,198,828	432,331,158	2.86	143,404,572	418,599,224	2.92
Regent Power Ltd.	157,765,152	463,450,991	2.94	156,648,285	459,412,619	2.93
Summit Purbachal Power Ltd.-Jangalia	258,257,635	941,362,032	3.65	208,181,905	732,228,346	3.52
Summit Meghnaghat Power Ltd.	1,559,093,909	6,547,648,630	4.20	1,232,984,954	6,261,944,337	5.08
Midland Power Company Ltd.	294,124,026	930,353,155	3.16	267,912,697	875,684,572	3.27
Raj Lanka Power Limited	146,308,138	1,806,686,667	12.35	80,771,237	1,391,433,185	17.23
Baraka Patenga Power Limited	198,921,600	2,363,521,802	11.88	133,215,792	1,738,349,397	13.05
Digital Power & Associates Ltd.	325,564,002	3,736,039,993	11.48	228,469,691	2,686,001,914	11.76
Regent Energy & Power Ltd.	591,450,096	1,726,171,586	2.92	286,323,365	1,361,023,355	4.75
United Power Generation & Distribution	205,400,640	671,909,952	3.27	220,248,960	733,501,951	3.33
RPCL 52MW Gazipur	112,666,731	1,794,318,893	15.93	93,961,416	1,608,591,025	17.12
RPCL 25MW Rawjan	68,409,238	932,009,423	13.62	33,256,526	721,093,405	21.68
Lakdhanvi Bangla Power Ltd.	159,349,441	2,229,819,012	13.99	68,975,144	1,435,248,603	20.81
ECPV Power Ltd.	190,254,480	2,569,220,856	13.50	177,963,288	2,602,765,227	14.63
Sinha People Energy Ltd.	21,026,448	812,740,081	38.65	87,773,136	1,327,329,508	15.12
Aggreko Energy Solution Ltd - Bhola (95MW)	-	-	-	-	-	-
ACE Alliance Power Ltd. (149MW) (Summit Gazipur)	791,750,046	8,370,704,611	10.57	404,137,440	4,095,794,531	10.13
United Ashugang Energy Ltd.	145,638,508	3,206,663,461	22.02	342,066,540	3,482,085,887	10.18
Summit Bibiyana II Power Company Ltd.	2,455,887,148	6,030,061,928	2.46	2,533,405,256	6,195,036,994	2.45
Summit Barishal Power Ltd.	218,608,608	3,167,467,899	14.49	191,397,120	2,791,433,109	14.58
Summit Narayangonj Power Unit II Ltd.	259,501,715	2,969,690,929	11.44	96,817,909	1,397,885,741	14.44
Doreen Southern Power Limited	237,896,381	2,684,321,524	11.28	110,210,738	1,587,720,218	14.41
Doreen Northern Power Limited	231,844,112	2,641,124,870	11.39	151,070,207	1,867,971,877	12.36
Power Pac Motiara - Jamalpur	289,737,408	3,268,082,838	11.28	339,610,944	4,114,629,696	12.12
Shahjanullah Power Generation Co. Ltd.	102,686,146	354,266,198	3.45	133,358,044	460,363,566	3.45
CLC Power Company Ltd.	-	-	-	139,259,482	2,154,540,707	15.47
Engreen Solar	3,944,220	63,523,756	16.11	3,860,015	62,075,299	16.08
Kushiara Power Company Ltd.	1,065,571,452	3,184,203,020	2.99	1,148,090,686	3,328,431,877	2.90
M/S Banco Energy Generation Ltd.	309,349,044	3,548,402,788	11.47	209,990,340	2,517,495,961	11.99
Bangla Track Power Company Ltd.	39,585,792	4,185,097,685	105.72	5,992,320	3,631,805,621	606.08
Bangla Track Power Company Ltd. (Unit-2)	122,851,008	3,855,255,637	31.38	78,702,240	3,093,031,604	39.30

Particulars	FY 2020-2021			FY 2019-2020		
	Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
Aggreko Energy Solution Ltd. - Aorahati (100MW)	37,076,045	2,377,751,737	64.13	6,040,888	1,881,430,202	311.45
Aggreko Energy Solution Ltd. - Bhahmangoan (100MW)	28,478,637	2,164,581,074	76.01	4,676,090	1,844,846,730	394.53
APR Energy 300MW	72,053,121	6,405,636,446	88.90	3,448,215	5,446,696,116	1,579.57
United Mymensingh Power Ltd. (200MW)	1,019,821,200	11,669,327,634	11.44	507,801,840	6,075,281,810	11.96
Technaf Solartech Energy Ltd. (20MW)	33,438,191	394,598,682	11.80	36,027,726	423,055,479	11.74
Acron Infracture Service Ltd. (Unit-3)	610,561,267	6,065,069,101	9.93	329,174,995	3,710,075,142	11.27
Sembcorp NWPC Ltd. - Sirajgonj (282MW)	2,945,236,563	9,029,761,730	3.07	3,047,637,942	9,193,002,080	3.02
Paramount BTrac Energy Ltd. - Sirajgonj	21,514,556	3,887,016,999	180.67	3,756,087	3,546,541,105	944.21
Orion Power Rupsha Ltd. - Khulna (105MW)	361,167,408	4,586,519,321	12.70	186,785,520	3,018,423,032	16.16
Desh Energy Chandpur Power Company Ltd.	535,499,933	7,266,737,367	13.57	352,369,138	5,811,857,467	16.49
Midland East Power Company Ltd.	410,347,432	5,106,156,835	12.44	196,073,411	3,988,343,214	20.34
Baraka Shikalbaha Power Ltd. (105MW)	159,651,421	2,774,600,010	17.38	99,169,409	2,184,396,966	22.03
Confidence Power Ltd. - Rangpur	494,399,990	5,671,576,724	11.47	283,390,147	3,615,280,274	12.76
Confidence Power Ltd. (Unit-1)	468,193,056	5,469,183,763	11.68	199,459,584	2,189,153,968	10.98
Confidence Power Ltd. (Unit-2) - Bogra	447,810,720	5,606,954,875	12.52	223,190,976	3,596,109,041	16.11
United Jamalpur 200MW	538,471,740	6,669,811,635	12.39	435,503,268	5,345,969,591	12.28
Sympa Solar Power Limited	11,268,182	124,366,922	11.04	11,029,586	121,571,385	11.02
RPCL - Gazipur (105MW)	372,311,616	4,561,729,240	12.25	287,819,928	4,018,991,023	13.96
United - Anawara (300MW)	1,195,998,078	13,588,011,751	11.36	810,582,644	10,113,893,939	12.48
Zodiac Power Ctg. Ltd.	276,762,524	3,085,394,329	11.15	36,177,063	922,527,587	25.50
Karnaphuli Power Ltd.	85,058,900	2,177,111,311	25.60	40,597,792	1,563,611,789	38.51
Lanka Power Limited - Feni	193,243,406	2,993,516,085	15.49	34,679,849	1,082,818,157	31.22
HF Power Company Limited	551,060,311	5,951,666,116	10.80	115,725,246	1,559,483,281	13.48
Bangladsh -China Power Company (Pvt.) Ltd. 1320MW	3,811,921,991	32,764,848,584	8.60	831,938,472	5,215,734,878	6.27
Manikgonj Power Generations Limited (162MW)	344,555,626	4,667,375,064	13.55	-	-	-
HDFC SinPower Ltd. (50MW)	61,439,464	883,676,770	14.38	-	-	-
Anlima Energy Limited (116MW)	123,670,544	1,768,065,136	14.30	-	-	-
United Payra (150MW)	33,419,172	1,077,171,595	32.23	-	-	-
Spectra Solar Park	20,066,259	207,814,734	10.36	-	-	-
Tangail Palli Power Generation Ltd. (22MW)	71,669,647	890,544,548	12.43	-	-	-
Nutan Bidyut (Bangladesh) Ltd. (220MW)	160,931,128	284,039,503	1.76	-	-	-
Bhairab Power Limited (54.50MW)	70,305,840	877,217,319	12.48	-	-	-
Acron Infrastructure Services Ltd. Unit-2	687,711,168	7,359,103,192	10.70	186,554,976	1,003,595,519	5.38
Orion Power Sonargaon Ltd.	451,901,664	5,095,211,408	11.28	10,829,376	94,757,040	8.75
Summit Gazipur II Power Ltd. - Kodda (300MW)	1,280,252,848	13,968,072,079	10.91	365,298,295	5,888,119,002	16.12
TOTAL IPP & SIPP	34,603,676,263	277,373,564,998	8.02	25,012,571,440	175,189,846,701	7.00

COMPARISON OF ELECTRICITY PURCHASE FROM PUBLIC PLANTS WITH PREVIOUS YEAR

Particulars	FY 2020-2021			FY 2019-2020		
	Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
APSCL (Except New 573 MW)	711,938,656	3,725,662,841	5.23	871,733,180	3,992,507,875	4.58
APSCL (New 50 MW)	184,795,542	439,275,908	2.38	244,146,276	533,228,573	2.18
APSCL (225 MW)	1,574,330,675	5,139,666,301	3.26	1,480,504,353	5,104,811,743	3.45
APSCL (450 MW) South	1,955,572,989	7,571,323,434	3.87	2,350,523,007	8,671,643,247	3.69
APSCL (450 MW) North	2,088,923,729	5,900,126,978	2.82	2,458,470,544	6,666,202,866	2.71
SBU HARIPUR	-	247,733,903	-	-	278,186,638	-
EGCB Ltd. (210X2) MW	563,946,120	2,694,566,404	4.78	278,915,352	2,263,261,009	8.11
EGCB Ltd. (412) MW	1,803,485,796	5,421,654,625	3.01	2,783,382,126	6,122,051,191	2.20
EGCB Ltd. (360) MW	1,039,616,357	3,656,399,175	3.52	926,684,819	3,260,352,289	3.52
North West Power Gen (NWPGL)- Sirajgonj	216,329,490	2,382,001,459	11.01	1,251,820,331	3,962,775,220	3.17
North West Power Gen (NWPGL)- Sirajgonj (Unit - 2)	1,135,656,573	4,351,973,695	3.83	659,693,652	4,066,747,219	6.16
North West Power Gen (NWPGL)- Sirajgonj (Unit - 3)	1,447,005,461	4,890,841,676	3.38	1,246,030,415	4,356,240,963	3.50
North West Power Gen (NWPGL)- Khulna	279,080,308	7,770,389,923	27.84	6,755,128	3,602,950,417	533.37
North West Power Gen (NWPGL)- Bheramara	2,706,234,738	7,636,097,844	2.82	2,315,525,576	6,376,468,917	2.75
North West Power Gen (NWPGL)- Madhumati	11,607,408	1,485,423,700	127.97	216,337,824	3,427,103,611	15.84
BPDB RPCL PowerGen Ltd.	387,788,703	5,857,190,239	15.10	175,337,452	4,032,187,505	23.00
Total Public Co. (Code No. 616)	16,106,312,544	69,170,328,105	4.29	17,265,860,037	66,716,719,282	3.86

COMPARISON OF ELECTRICITY PURCHASE FROM INDIA WITH PREVIOUS YEAR

Particulars	FY 2020-2021			FY 2019-2020		
	Unit kWh	Amount in Tk.	Cost/kWh	Unit kWh	Amount in Tk.	Cost/kWh
NVVN Ltd. - India 250 MW	1,753,307,564	5,479,226,567	3.13	1,720,991,506	5,519,165,342	3.21
NVVN Ltd. - India 160 MW (Tripura)	1,028,817,960	7,420,242,117	7.21	1,005,185,656	7,633,343,637	7.59
Power Grid Corporation of India - 250MW	-	993,616,464	-	-	714,415,237	-
Power Grid Corporation of India - 160MW	-	179,663,490	-	-	183,742,973	-
NVVN Ltd. - India 300 MW	2,539,050,000	14,200,174,815	5.59	1,700,740,025	10,912,458,117	6.42
PTC India Ltd. 200 MW	1,023,539,479	6,950,960,102	-	902,021,075	6,199,398,155	-
Sembcrop Energy India Ltd. 250MW	1,784,173,570	11,905,260,924	6.67	1,360,269,293	9,008,773,219	6.62
Total Import	8,128,888,573	47,129,144,480	5.80	6,689,207,555	40,171,296,679	6.01

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

Particulars	FY 2020-2021			FY 2019-2020		
	Unit Kwh	Amount in Tk.	Cost/kwh	Unit Kwh	Amount in Tk.	Cost/kwh
BARKATULLAH ELECTRO DYNAMICS LTD.	353,071,710	1,101,899,564	3.12	284,768,958	952,112,505	3.34
SHAHJIBAZAR POWER CO. LTD.	605,484,672	2,039,822,897	3.37	440,516,616	1,792,127,676	4.07
DESH CAMBRIDGE, KUMERGOAN	61,412,951	235,977,144	3.84	64,287,123	236,886,291	3.68
ENERGYPRIMA, KUMERGOAN	-	-	-	136,384,360	516,341,479	3.79
ENERGYPRIMA, SHAHJIBAZAR	-	-	-	115,908,741	441,313,171	3.81
ENERGYPRIMA, FENCHUGONJ	208,743,147	681,674,489	3.27	307,712,992	1,112,358,546	3.61
ENERGYPRIMA, BOGRA	27,878,796	96,666,127	3.47	78,662,952	283,738,154	3.61
VENTURE ENERGY, BHOLA	199,537,974	796,370,803	3.99	172,416,822	684,018,417	3.97
SUMMIT NARAYANGONJ POWER LTD.	353,336,328	3,436,136,533	9.72	223,216,584	2,658,477,107	11.91
MAX POWER LTD.-GHORASAL	102,449,279	811,772,815	7.92	151,850,141	1,561,450,593	10.28
KPCL -UNIT-2	433,646,409	4,998,784,772	11.53	280,086,325	3,907,312,120	13.95
KHANJAHAN ALI POWER LTD.	92,282,785	1,363,243,262	14.77	91,546,622	1,466,836,454	16.02
IELCONSOURTUM & ASSOCIATES	270,990,720	3,813,956,693	14.07	193,301,761	2,815,677,934	14.57
ENERGIS POWER CORPORATION LTD.	-	-	-	7,500,072	122,021,384	16.27
PRECISION ENERGY LTD.	208,806,744	1,091,909,673	5.23	218,732,592	1,106,804,428	5.06
DUTCH BANGLA POWER & ASSOCIATES LTD.	366,362,581	4,588,701,719	12.53	188,221,250	2,785,839,895	14.80
ACRON INFRASTRUCTURE SERVICE LTD.	189,942,210	3,132,864,948	16.49	90,292,560	2,246,199,780	24.88
AMNURA(SINHA POWER GENERATION)	16,256,328	108,212,126	6.66	109,202,080	1,412,855,301	-
POWER PAC MUTIARA KERANIGONJ	217,866,024	1,792,998,493	8.23	52,371,672	1,923,586,409	36.73
NORTHERN POWER	21,344,414	224,115,126	10.50	69,379,654	1,351,484,542	19.48
AGGREKO INTERNATIONAL LTD.-BHOLA (95 MW)	559,103,805	2,310,334,606	4.13	445,528,501	2,207,102,989	4.95
GBB POWER LTD.	167,490,216	656,939,574	-	133,166,952	579,797,403	-
TOTAL RENTAL & QUICK RENTAL	4,456,007,093	33,282,381,364	7.47	3,855,055,330	32,164,342,577	8.34



A virtual meeting on issuance of Bond and other issues Chaired by State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid MP.

GENERATION COST (BPDB'S OWN POWER PLANT) FOR THE YEAR 2020-2021

Sl. No.	Generating Plant under Power Station	Capacity	Plant Factor	Net Generation (kWh)	Variable Cost				Fixed Cost		Total Generation Cost (Tk.)	Gen. Cost Tk/kWh
					Fuel Cost Tk	Fuel cost Tk/kWh	Variable O & M (Tk.)	Variable O & M Tk/kWh	Total Fixed Cost (Tk.)	Fixed Cost Tk/kWh		
1	2	3	4	5	6	7=(6/5)	8	9=8/5	10	11=10/5	12=6+8+10	13=12/5
1	Karnafuli Hydro Power Station	230.00	33%	654,990,772	-	-	335,988,850	0.51	1,628,688,650	2.49	1,964,677,501	3.00
	Total Water	230.00	33%	654,990,772	-	-	335,988,850	0.51	1,628,688,650	2.49	1,964,677,501	3.00
2	Wind Base Power Station, Kutubdia & Hatiya	3.80	2%	661,410	-	-	144,904	0.22	3,940,889	5.96	4,085,793	6.18
	Total Wind	3.80	2%	661,410	-	-	144,904	0.22	3,940,889	5.96	4,085,793	6.18
3	7.4 MW Solar Pv Power Plant At Kaptai	7.40	15%	9,712,274	-	-	-	-	56,235,351	5.79	56,235,351	5.79
	Total Solar	7.40	15%	9,712,274	-	-	-	-	56,235,351	5.79	56,235,351	5.79
4	Baghabari Power Station	171.00	7%	110,150,010	186,222,698	1.69	103,662,114	0.94	702,830,909	6.38	992,715,721	9.01
5	Ghorashal Power Station	630.00	24%	1,319,311,198	1,661,795,186	1.26	93,066,876	0.07	2,373,144,600	1.80	4,128,006,661	3.13
6	Ghorashal Power Station	365.00	41%	1,315,124,459	1,656,521,598	1.26	72,662,327	0.06	2,677,626,109	2.04	4,406,810,035	3.35
7	Chittagong Power Station, Rawzan	360.00	13%	403,449,100	719,068,599	1.78	168,881,059	0.42	1,211,377,183	3.00	2,099,326,841	5.20
8	Shikalbaha Power Station (Gas Generation)	150.00	49%	642,083,760	938,491,105	1.46	170,889,531	0.27	998,504,413	1.56	2,107,885,049	3.28
9	Kumergoan Gt Power Sylhet	20.00	63%	111,029,330	209,167,497	1.88	6,741,715	0.06	203,457,234	1.83	419,366,446	3.78
10	Sylhet 225 MW Peaking Power Plant	231.00	53%	1,075,523,895	1,157,567,488	1.08	275,693,308	0.26	1,736,376,854	1.61	3,169,637,650	2.95
11	Fenchuganj 2x 90 MW CCPP (1st & 2nd Unit)	201.00	36%	637,015,112	897,793,192	1.41	431,305,886	0.68	973,067,161	1.53	2,302,166,239	3.61
12	Shahjibazar Power Station	70.00	59%	361,427,444	595,653,205	1.65	160,621,677	0.44	558,977,345	1.55	1,315,252,227	3.64
13	Tongi Power Station	105.00	0%	(200,350)	-	-	3,357,916	-	228,681,818	-	232,039,734	-
14	Siddirgonj Power Station	115.00	0%	(1,287,000)	-	-	101,068,157	-	727,660,368	-	828,728,526	-
15	Chadpur CC Power Plant	163.00	42%	596,516,880	965,555,231	1.62	114,415,126	0.19	1,038,556,431	1.74	2,118,526,788	3.55
16	Bhola 225 MW CCPP	195.00	18%	315,289,459	416,039,144	1.32	336,266,779	1.07	1,294,525,449	4.11	2,046,831,372	6.49
17	Shahjibazar 330 CCPP	330.00	52%	1,505,298,191	1,751,781,934	1.16	67,126,268	0.04	2,451,123,774	1.63	4,270,031,976	2.84
18	Bibiyana-3 400MW	400.00	53%	1,839,712,000	1,610,452,038	0.88	11,074,404	0.01	2,132,751,342	1.16	3,754,277,784	2.04
19	Shahjibazar 100 P/S	100.00	5%	39,455,245	-	-	3,560,765	0.09	71,117,626	1.80	74,678,391	1.89
20	Bibiyana - South	383.00	40%	1,351,302,135	1,134,868,929	0.84	323,321	0.00	1,495,746,013	1.11	2,630,938,263	1.95
	Sbu Haripur (BPDB Book Costs)	20.00	0%	(422,461)	-	-	-	-	90,047,286	-	90,047,286	-
21	Shikalbaha 225 MW Shamipur (Dual Fuel)	225.00	52%	1,015,075,276	964,594,507	0.95	26,590,431	0.03	2,037,718,990	2.01	3,028,903,928	2.98
	Total Gas	4,234.00	34%	12,635,853,683	14,865,572,352	1.18	2,147,307,659	0.17	23,003,290,907	1.82	40,016,170,918	3.17
22	Barapukuria Power Station	220.00	4%	86,490,537	533,261,823	6.17	36,735,779	0.42	401,849,691	4.65	971,847,293	11.24
23	Barapukuria Power Station	274.00	46%	1,098,325,916	6,771,784,523	6.17	481,031,584	0.44	2,428,978,133	2.21	9,681,794,240	8.82
	Total Coal	494.00	27%	1,184,816,453	7,305,046,345	6.17	517,767,364	0.44	2,830,827,824	2.39	10,653,641,533	8.99
24	Khulna Power Station	170.00	0%	-	-	-	6,974,916	-	341,453,242	-	348,428,157	-
25	Baghabari 50 Peaking Power Plant	50.00	20%	85,489,209	913,783,993	10.69	17,183,926	0.20	310,718,902	3.63	1,241,686,821	14.52
26	Bera Peacking Power Plant	71.00	5%	31,290,740	383,722,539	12.26	34,218,134	1.09	606,731,112	19.39	1,024,671,785	32.75
27	Hathazari Peacking Power Plant	98.00	0%	(856,680)	68,955,110	-	111,838,566	-	176,238,639	-	357,032,315	-
28	Dohazari Peacking Power Plant	102.00	23%	203,257,800	1,851,253,859	9.11	328,135,719	1.61	544,502,307	2.68	2,723,891,885	13.40
29	Faridpur Peacking Power Plant	50.00	4%	15,542,880	209,097,971	13.45	27,950,018	1.80	492,836,039	31.71	729,884,028	46.96
30	Gopalgonj Peacking Power Plant	100.00	0%	4,132,618	109,671,167	26.54	10,277,626	2.49	784,213,066	189.76	904,161,859	218.79
31	Titas 50 MW Peacking Power Plant	52.00	10%	45,159,828	473,322,699	10.48	77,820,815	1.72	216,410,526	4.79	767,554,040	17.00
32	Shantahar 50MW Power Plant	50.00	10%	42,808,887	476,369,212	11.13	56,238,251	1.31	390,816,321	9.13	923,423,783	21.57
33	Katakhali 50MW Power Plant	50.00	12%	51,438,387	527,273,764	10.25	79,771,218	1.55	373,998,458	7.27	981,043,441	19.07
34	Chapainobabgonj Peaking Pp 100 MW Amnura	100.00	30%	259,431,440	2,529,013,403	9.75	109,182,513	0.42	603,953,115	2.33	3,242,149,031	12.50
	Sub. Total HFO	893.00	9%	737,695,109	7,542,463,717	10.22	859,591,701	1.17	4,841,871,727	6.56	13,243,927,145	17.95
35	Bheramara Power Station	-	-	(153,245)	33,693	-	3,090,483	-	212,175,243	-	215,299,420	-
36	Barishal Gas Turbine Power Station	-	-	(230,555)	-	-	15,382,270	-	89,741,304	-	105,123,574	-
37	Bhola Diesel Power Station (Closed)	-	-	-	-	-	1,955	-	30,156,042	-	30,157,997	-
38	Sayedpur Gas Turbine Power Station	20.00	1%	2,064,740	77,802,921	37.68	4,342,930	2.10	114,966,271	55.68	197,112,122	95.47
39	Rangpur Gas Turbine Power Station	20.00	1%	1,403,713	66,537,213	47.40	9,194,529	6.55	135,756,139	96.71	211,487,881	150.66
40	Kutubdia Diesel Generator	1.50	0%	-	11,826,541	-	3,027,769	-	137,229,521	-	152,083,831	-
41	Sandip Diesel Generator	2.64	0%	-	-	-	-	-	236,079,639	-	236,079,639	-
42	Hatiya Diesel Generator	2.20	18%	3,516,750	77,939,532	22.16	19,936,204	5.67	136,368,131	38.78	234,243,867	66.61
43	Dgd, Dhaka	-	-	-	522,305	-	70,757,188	-	47,222,384	-	118,501,877	-
	Sub. Total Diesel	46.34	2%	6,601,403	234,662,205	35.55	125,733,328	19.05	1,139,694,674	172.64	1,500,090,207	227.24
	Grand Total (Bpdb Own)	5,908.54	29%	15,230,331,104	29,947,744,619	1.97	3,986,533,806	0.26	33,504,550,022	2.20	67,438,828,447	4.43



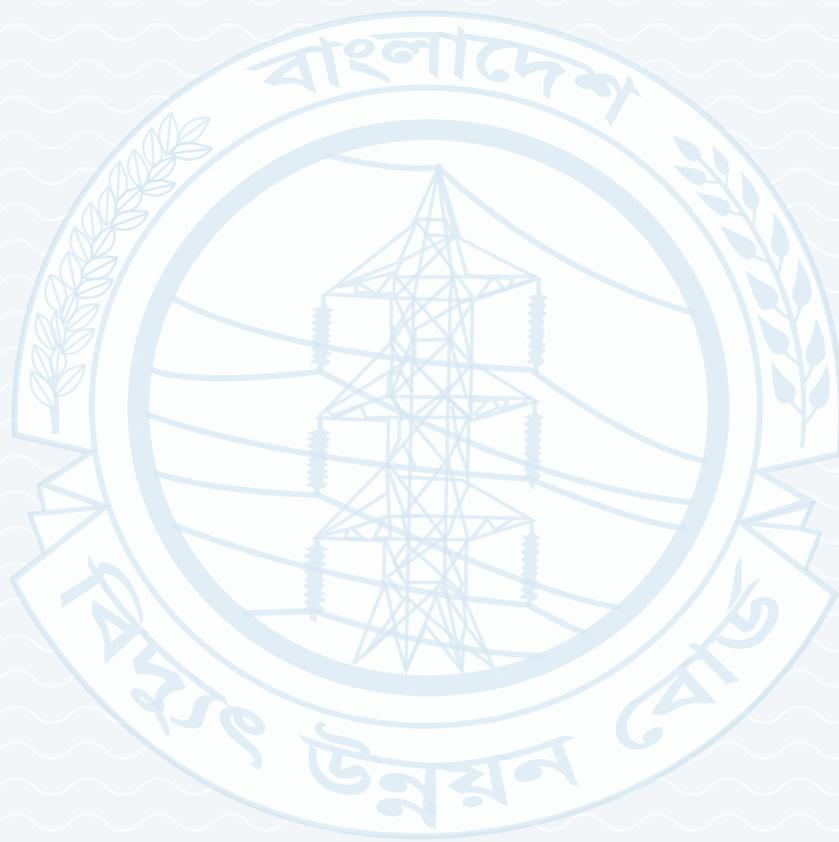
Placing of floral wreath at the portrait of Bangabandhu Sheikh Mujibur Rahman at Bidyut Bhaban on the occasion of 100 birth anniversary by power division and BPDB.



A virtual discussion meeting on the occasion of 45th death anniversary of Father of the Nation Bangabandhu Sheikh Mujibur Rahman organized by Bangabandhu Prokoushali Parishad, BPDB wing with Hon'ble State Minister for Power, Energy & Mineral Resources Mr. Nasrul Hamid MP in the Chair.



Placing of floral wreath at the Central Shahid Minar (Left) and Cox's Bazar Shahid Minar (Right) by BPDB officials on International Mother Language Day and National Martyrs Day.



Primary Grid System of Bangladesh

As on June 2021

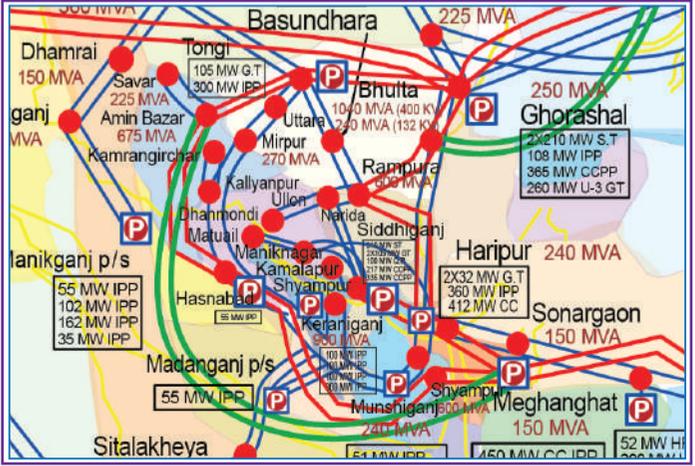
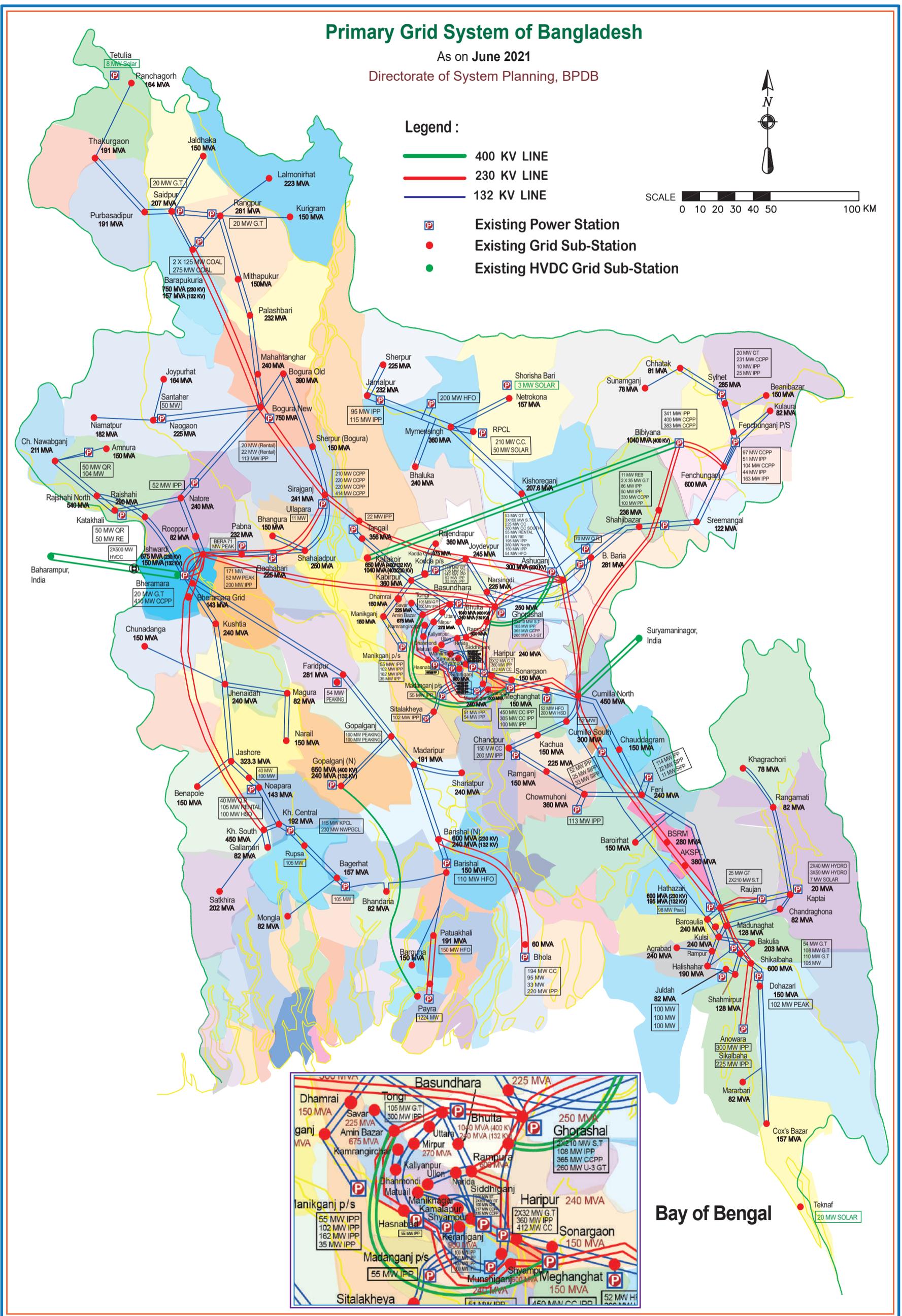
Directorate of System Planning, BPDB

Legend :

- 400 KV LINE
- 230 KV LINE
- 132 KV LINE

- P Existing Power Station
- Existing Grid Sub-Station
- Existing HVDC Grid Sub-Station

SCALE 0 10 20 30 40 50 100 KM

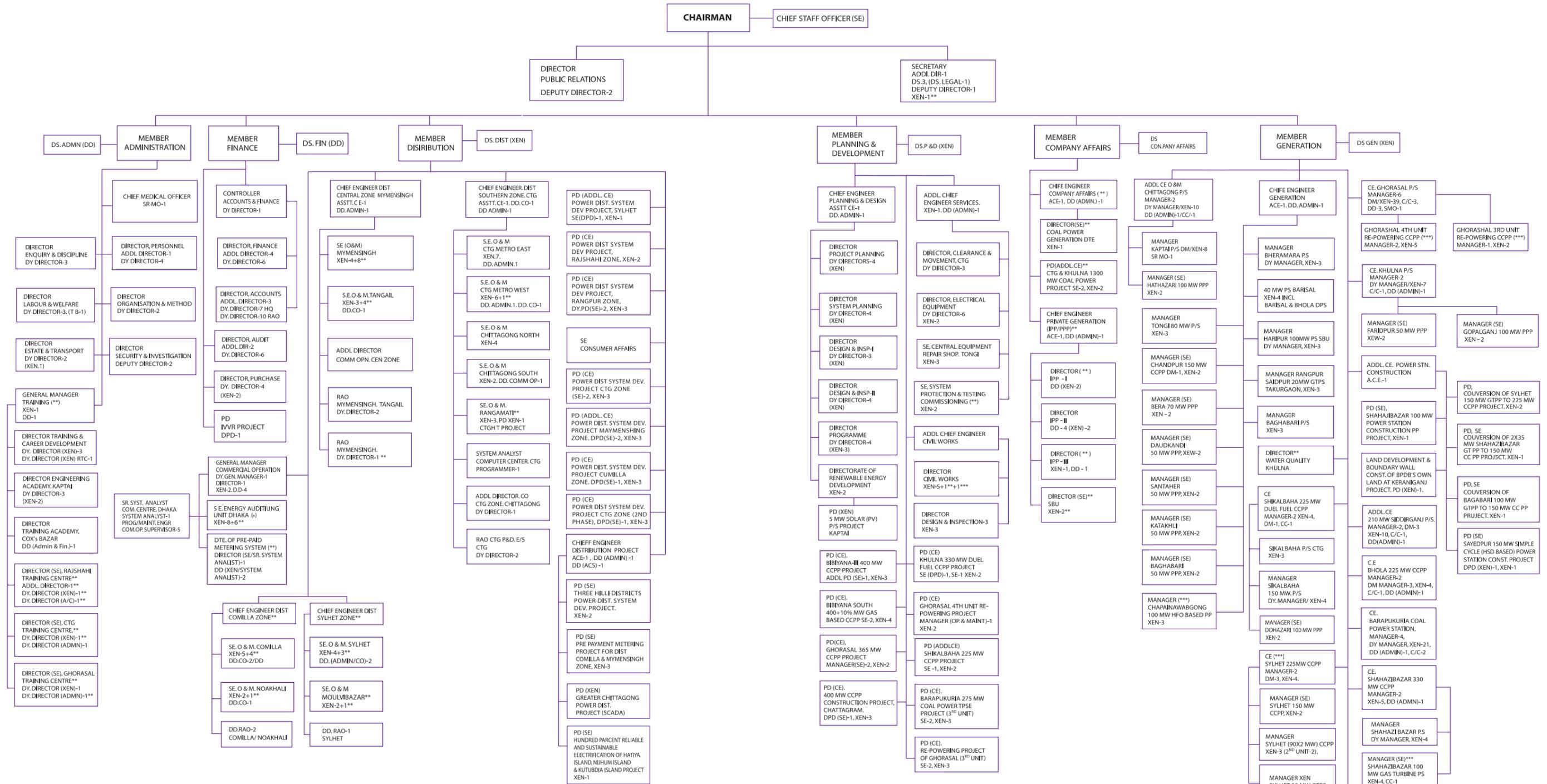


Bay of Bengal

ORGANISATION CHART OF BANGLADESH POWER DEVELOPMENT BOARD

(SHOWING POSITION DOWN TO XEN / DD AND EQUIVALENT)

As on June, 2021



SUMMARY (INCLUDING PROJECTS)

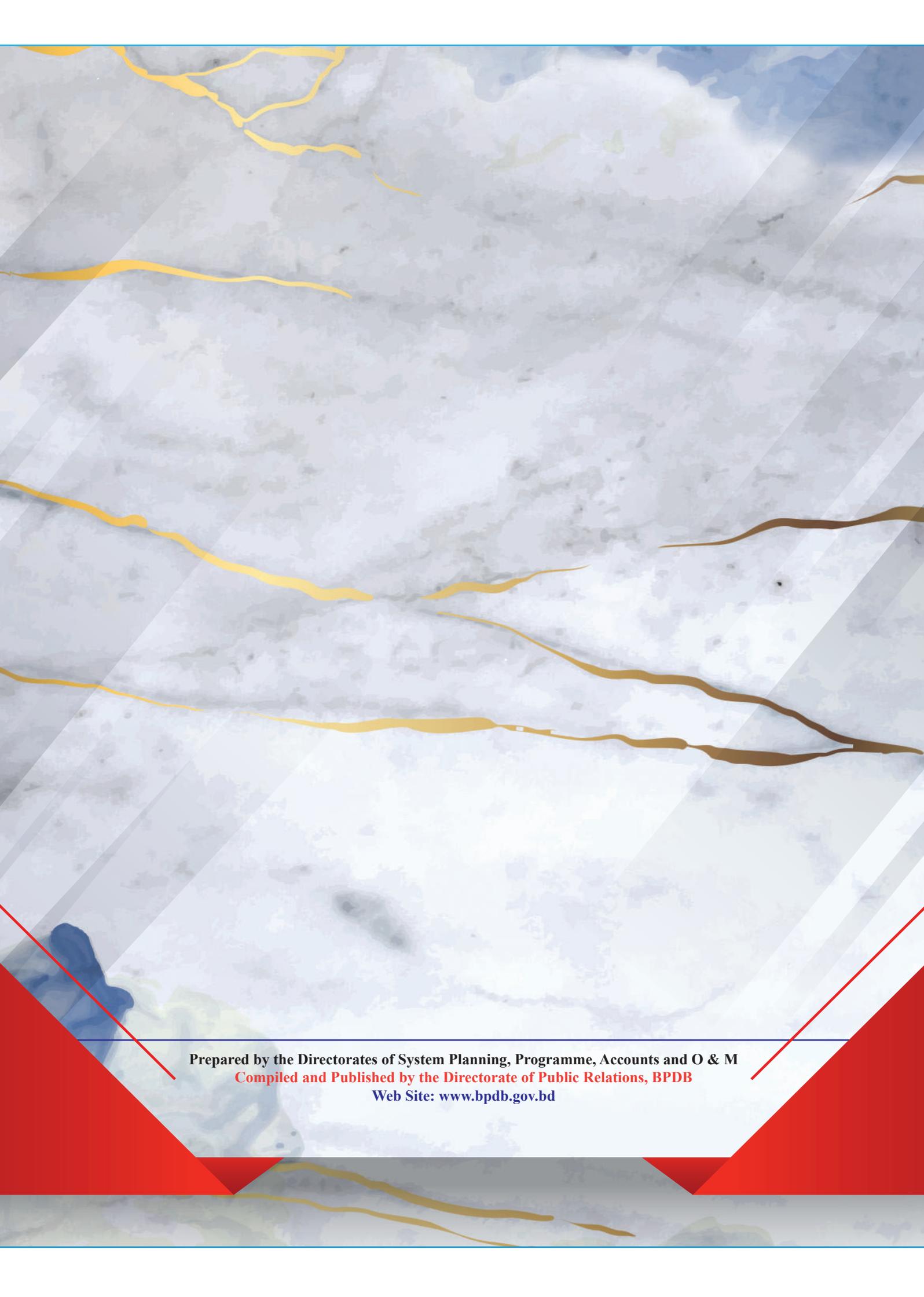
CHAIRMAN-1, MEMBER-6, CHIEF ENGINEER-25+4**, G.M/ADDL. CHIEF ENGINEER-9+2**
 CONTROLLER-1, CMO-1, MANAGER/DIRECTOR (TECH)/SE/DGM-103+14**, SR.SYSTEM ANALYST-1+1**,
 SECRETARY/DIRECTOR (NON TECH)-13+1**, ADDL.DIRECTOR-13+1**,
 XEN/DD/DS/DM-337+55** DD (NON TECH)-114+8**, SYSTEM ANALYST-2+1**
 PRO/M.E/COMPUTER OPERATION SUPERVISOR-6, CC-11, SMO-4

TOTAL SANCTIONED STRENGTH- 19,102

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

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

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



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