বাংলাদেশ বিদ্যুৎ উন্নয়ন বোর্ড
সবার সাথে সবার আগে

শেখ হাসিনার উদ্যোগ
ঘরে ঘরে বিদ্যুৎ

Annual Report
2021-22

Bangladesh Power Development Board

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Bangladesh Power Development Board (BPDB)

An Organisation of Excellence

Vision

To deliver uninterrupted quality power to all.

Mission

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

Objective

- 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

Bangladesh Power Development Board (BPDB), the largest utility in the power sector, is proud to present its Annual Report for the financial year 2021-2022.

Government has a vision to achieve total generation capacity of 24,000 MW by 2021, 40,000 MW by 2030 and 60,000 MW by 2041. To achieve its vision, strategic planning has been prepared which includes diversified fuel-based sustainable generation, expansion & upgradation of transmission & distribution systems, promotion of private participation, power import from neighboring countries along with energy efficiency & conservation measures. Under the implementation of this plan, the total generation capacity is increased to 25,730 MW with captive and off-grid renewable energy in comparison to 4,942 MW in 2009. In this time span, the contribution of gas-based electricity generation is reduced to 55% from 88%, while the share of other fuel like coal, liquid fuel and renewable has been increased significantly. The peak power generation in 2009 was 4,130 MW which has been increased to 14,782 MW in 2022. In pursuance of enhanced regional cooperation, currently, we are importing 1,160 MW power from India. Apart from efforts from the public sector, collaboration between private & public-private companies has ensured investment of $28 billion in power sector in the last 13 years.

BPDB has achieved noticeable progress during FY 2021-22. BPDB, as a single buyer, has resumed its initiatives to combat increasing electricity demands by new addition of 669 MW (including IPPs) in the FY 2021-22. Distribution system loss of BPDB including bulk consumer has been decreased to 6.29% in FY 2021-22 from 6.6% of previous year. Aligning with the nationwide digitalization, BPDB has integrated Enterprise Resource Planning (ERP) software within its organizational practices to promote efficiency and to enable data driven decision making.

To reduce dependency on fossil fuels, initiatives of renewable and nuclear-based power generation have been considered to ensure clean energy penetration to the power generation. A number of solar projects have been successfully implemented that provide 259 MW power in national grid and 418 MW in off-grid basis. As per plan, renewable energy generation of capacity 3,000 MW will be added by 2030. Two nuclear power plant units will be commissioned in 2024 and 2025 with a combined capacity of 2,400 MW. Additionally, 22,000 MW capacity will be added from fossil fuel-based power plants by 2030 to meet the increasing energy demand.

BPDB has celebrated 50 years of its journey on May 31, 2022. As the vanguard organization of power sector, BPDB has devotedly implemented the government's target. BPDB also has provided a significant support to other power entities as a mother organization and relentlessly serving the nation as a front liner for last 50 years.

These achievements are direct results of our employees' efforts, organizational skills and sheer determination and assistance from the power sector, IPPs and other stakeholders.

The goal of BPDB is to serve the citizens of Bangladesh and provide them a clean, reliable, quality power at an affordable price.

To that end, BPDB will be more consistent with its work in both style and outcome.

Md Mahbubur Rahman
Chairman
Bangladesh Power Development Board

Honb'le Prime Minister Sheikh Hasina is handing over "Independence Award-2022" to State Minister for Power, Energy & Mineral Resources Mr. Nasrul Hamid, MP as Power Division achieved the award.

Hon'ble Prime Minister Sheikh Hasina inaugurated five power plants through video conferencing from Ganabhaban on September 12, 2021.

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Present Board
(November, 2022)

Md Mahbubur Rahman
Chairman

SK Aktar Hossain
Member (Finance)

Mahmudul Kobir Murad
Member (Administration)

Dhurjjati Prosad Sen
Member (P & D)

C F K Musaddek Ahmed
Member (Distribution)

Md. Nazmul Haque
Member (Company Affairs)

S M Wazed Ali Sardar
Member (Generation)

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 50 years' service, the installed capacity of the country increased to 22,482 MW (Installed capacity 25,700 MW including captive & off-grid renewable energy) at the end of the FY 2021-2022.

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 (BREB). 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. (NWPGCL)
- Power Grid Company of Bangladesh Ltd. (PGCB)
- West Zone Power Distribution Company Ltd. (WZPDCL)
- Northern Electricity Supply Company PLC (NESCO)

BPDB also formed Joint Venture with other Organization/Company as part of continuous development of power sector. The JV's 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 & CHDHK, 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 expansion plan
- Preparation of distribution expansion plan for its jurisdiction.
- Implementation of Generation & Distribution Projects as approved by the Government
- Power import from neighboring countries as a single buyer.

BPDB prepared generation expansion plan to add about 25,840 MW from 2022 to 2027 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 for its jurisdiction to keep pace with the growing demand.

During the Financial Year under report (2021-22) Chairman and Members of the Board:

Chairman

Mr. Md Mahbubur Rahman (From 31.01.2022)
Mr. Md. Belayet Hossain (From 13.02.2020 to 31.01.2022)

Member (Administration)

Mr. Md. Sayed Kutub (From 13.06.2021)

Member (Finance)

Mr. SK Aktar Hossain (From 17.02.2021)

Member (Generation)

Mr. Md. Ashraful Islam (From 11.02.2021)

Member (Distribution)

Mr. Md. Shamsul Alam (From 11.02.2021 to 03.05.2022)

Member (Planing & Development)

Mr. Md. Shamsul Alam (Addl. Charge) (From 01.09.2021 to 10.10.2021)
Mr. Dhurjjati Prasad Sen (From 11.10.2021)

Member (Company Affairs)

Mr. Md Mahbubur Rahman (From 29.11.2020 to 31.01.2022)
Mr. Md. Ashraful Islam (Addl. Charge) (From 01.02.2022 to 08.02.2022)
Ms. Dewan Samina Banu (From 08.02.2022)

HIGHLIGHTS

Power sector witnessed significant progress in power generation in the fiscal year 2021-22 During this fiscal year 669 MW new generation capacity added, which increased the total generation installed capacity to 22,482 MW and annual increment of generation capacity was 2.05%. Out of this new capacity addition, BPDB installed 385 MW (including contracted capacity of IPPs) and the remaining 284 MW was installed by APSCL. The highest peak generation was 14,782 MW and the total energy generated was 85,607 GWh (including purchase by BREB from SIPP), which was 7.18% and 6.45% 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, 34 numbers of power generation projects of capacity 13,103 MW are now under construction. The plan envisages around 25,840 MW new generation addition by 2027.

In this fiscal year, BPDB sold bulk energy of 81,606 GWh to the distribution utilities including BPDB's own distribution zones as single buyer, which was 6.92% higher than the previous year. Retail sales of BPDB's four distribution zones was 12,195 GWh, which was 6.15% higher than the previous year. Distribution system loss without 230 kV & 132 kV consumers of BPDB came down to 8.10% from 8.50% of previous year and with 230 & 132 kV consumers of BPDB came down to 6.29% from 6.66% of previous year. Collection/Import (C/I) ratio is 95.08%, that is 95.31% in previous year. Per capita generation and consumption (Grid) increased to 518 kWh & 464 kWh from 475 kWh & 422 kWh respectively of previous year.

The net loss in the FY 2021-22 increased to Taka 32.33 billion from net profit of Taka 1.29 of previous year. The net loss increased from the previous year mainly due to increased liquid fuel generation together with substantial fuel price hike in phases over the period.

KEY STATISTICS

S.N.	Particulars	Year 2020-21	Year 2021-22	% Change over the previous year
1	**Installed Capacity of Power Plants as of June (MW):**			
	a) Public Sector			
	i) BPDB	6,013	6,013	0.00
	ii) APSCL	1,444	1,428	-1.11
	iii) EGCB	957	957	0.00
	iv) RPCL	182	182	0.00
	v) NWPGCL	1,401	1,401	0.00
	v) B-R Powergen Ltd. (BRPL)	149	149	0.00
	vi) Joint Venture (BCPCL)	1,244	1,244	0.00
	b) Private Sector:			
	i) IPP/SIPP	8,141	8,556	5.10
	ii) Rental	1,089	424	-61.07
	iii) NENP (No Electricty No Payment)	0	717	-
	c) BREB (for PBS's only)	251	251	0.00
	d) Power Import	1,160	1,160	0.00
	e) System Total Installed Capacity (MW)	22,031	22,482	2.05
2	Maximum Peak Generation (MW)	13,792	14,782	7.18
3	Maximum Peak Demand (MW) (forcasted)	14,500	15,800	8.97
4	**Net Energy generation (MkWh):**			
	a) i) Public Sectors	31,916	32,047	0.41
	ii) Joint Venture	3,812	3,998	4.89
	iii) Private Sectors (IPP, SIPP, & Rental)	34,822	40,174	15.37
	iv) Power Import	8,103	7,712	-4.82
	iv) Total Generation (In account of Single Buyer)	78,653	83,931	6.71
	b) BREB (for PBS's only)	1,770	1,676	-5.34
	c) System Total Generation (MkWh)	80,423	85,607	6.45
5	Per Unit Generation Cost in Public, Private & Own (Tk/kWh)	6.61	8.84	33.74
6	a) Fuel Cost for Thermal Plants in Public Sector (MTk)	57,215	80,357	40.45
	b) Per Unit fuel Cost for thermal Plants (Tk/kWh)	1.79	2.51	39.88
7	Annual Plant Factor of Public Sector's Power Plants (%)	39.80	39.70	-0.25
8	System load factor (%)	65.10	64.82	-0.44
9	BPDB's Commercial Activities as Single Buyer :			
	a) Bulk Sales Unit to Utilities (MkWh)	76,323	81,606	6.92
	b) Bulk Billing Amount (MTk)	401,345	428,605	6.79
	c) Bulk Collection Amount (MTk)	397,608	418,075	5.15
	d) Accounts Receivables to Utilities (MTk)	82,704	89,860	8.65
10	Transmission Loss (%)	3.07	2.89	-5.86
11	Ave. Bulk Electricity Supply cost Taka/kWh	6.81	8.96	31.57
12	BPDB's Commercial Activities with in Distribution Zones :			
	a) Energy Imports for Retail Sale (MkWh)	12,309	13,015	5.73
	b) Retail Sales Unit (MkWh)	11,489	12,195	6.15
	c) Retail Billing Amount (MTk)	83,141	88,297	6.20
	d) Retail Collection Amount (MTk)	84,899	89,596	5.53
	e) Accounts Receivables to Retail Consumers (MTk)	15,466	13,517	-12.60
	f) Collection/Bill Ratio (%)	102.11	101.47	-0.63
	g) Collection/Import Ratio (%)	95.31	95.08	-0.24
	h) Distribution System loss (%) (at 33 kV)	8.50	8.10	-4.71
13	Transmission & Distribution (T & D) system Loss (%)	11.11	10.41	-6.30
14	Total Number of consumers of BPDB (Nos.)	3,451,534	3,670,816	6.35
15	Total Population in the Country (Million)	169	165	-2.45
16	Per capita generation (kWh) (grid)	475	518	9.12
17	Per capita Consumption (kWh) (grid)	422	464	9.97
18	Net profit/(loss) (MTk)	1,293	-32,327	-2,600.64

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

With a view to inspiring the young generation and countrymen, Hon'ble Prime Minister Sheikh Hasina conducted oath to uphold the ideology of Father of the Nation Bangabandhu Sheikh Mujibur Rahman on December 16, 2021. Chairman, Members and seniors officials of BPDB attended the oath taking program virtually.

On the auspicious occasion of Golden Jubilee of Victory, floral wreath was placed at the portrait of the Father of the Nation Bangabandhu Sheikh Mujibur Rahman on December 16, 2021 at the Mujib Corner, Bidyuit Bhaban, Dhaka by Chairman, BPDB along with Members of the Board and Seniors Officials.

In observance of 46th Martyrdom anniversary of Father of the Nation Bangabandhu Sheikh Mujibur Rahman, floral wreath was placed at the protrait of Bangabandhu at Bidyut Bhaban by Secretary, Power Division, Mr. Md. Habibur Rahman and Chairman and Members of BPDB.

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) Shops, shopping malls and commercial outlets remain closed after 8:00 pm (iv) consumers are encouraged to use energy efficient bulb, electric appliances, pumps, etc; (v) consumers are encouraged to keep their air-conditioner's temperature at 25 degree and so on..

Generation

Generation Capacity

Total installed capacity was 22,482 MW, which includes 10,130 MW Public, 1,244 MW JV, 8,556 MW IPP/SIPP, 424 MW Rental Power Plant, 717 MW NENP (No Electricity No Payment) Power Plant, 251 MW under BREB (for PBS) and 1,160 MW power import from India. The maximum peak generation was 14,782 MW, which was 7.18% higher than the previous year. The Generation capacity mix is shown below:

Installed Capacity by Plant & Fuel Type

By Type of Plant		By Type of Fuel	
Hydro	230 MW (1.02%)	Hydro	230 MW (1.02%)
Steam Turbine	2,968 MW (13.20%)	Gas	11,476 MW (51.05%)
Gas Turbine	1,502 MW (6.68%)	Furnace Oil	6,329 MW (28.15%)
Combined Cycle	7,963 MW (35.42%)	Diesel	1,290 MW (5.74%)
Reciprocating Engine	8,430 MW (37.50%)	Coal	1,768 MW (7.86%)
Solar PV	229 MW (1.02%)	Solar PV	229 MW (1.02%)
Power Import	1,160 MW (5.16%)	Power Import	1,160 MW (5.16%)
TOTAL	**22,482 MW (100%)**	**TOTAL**	**22,482 MW (100%)**

Energy Generation

Total net energy generation in FY 2021-22 was 85,607 MkWh, which was about 6.45% higher than previous year's net generation of 80,423 MkWh. Net energy generation in the public sector was 32,047 MkWh, 3,998 MkWh from Joint Venture and 41,850 MkWh in the private sector (including BREB). Another 7,712 MkWh 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	744	0.87%
Gas	47,136	55.06%
Furnace Oil	22,867	26.71%
Diesel	1,483	1.73%
Coal	5,342	6.24%
Renewable Energy	323	0.38%
Power Import	7,712	9.01%
Total	**85,607 (MkWh)**	**100%**

Plant Efficiency and Maintenance

The overall thermal efficiency (Net) of the public-sector and JV power plants in FY 2021-22 was 42.86%. In the previous year it was 40.70%.

List of major power plants under maintenance during FY 2021-22 is furnished below:

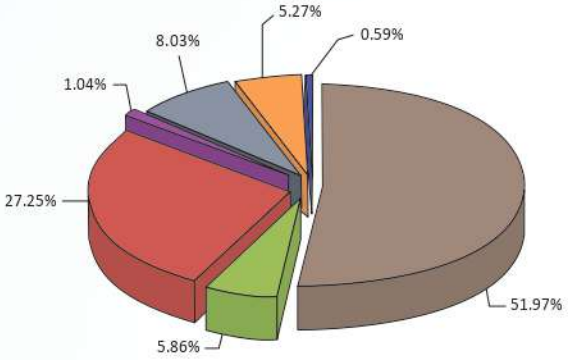
Maintenance of Power Plants in Fy 2021-22

Sl. No.	Name of Power Station	Present Capacity (MW)	Type of Maintenance (HGPI/MI/OH)	Duration of Maintenance	
				Starting Date	Completion Date
1.	210 MW Siddhirganj Thermal Power Station	210	OH	01/10/2019	Ongoing
2.	Kaptai Hydro-Unit 1	40	OH	01/01/2022	Ongoing
3.	Sylhet 20MW GTPP	20	HGPI	10/02/2022	30/04/2022
4.	Bibiyana South 383MW CCPP	383	MI	27/07/21	09/08/21
5.	Baropukuria ST Unit-2	125	OH	01/08/2021	Ongoing

Chairman BPDB Engr. Md Mahbubur Rahman visited under construction Maitree Super Thermal Power Plant at Rampal on June 4, 2022.

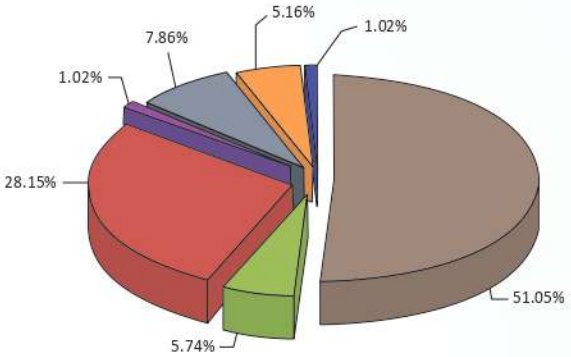
INSTALLED CAPACITY (NATIONAL) BY FUEL TYPE WITH COMPARISON

(FY 2020-21)



Total : 22,031 MW

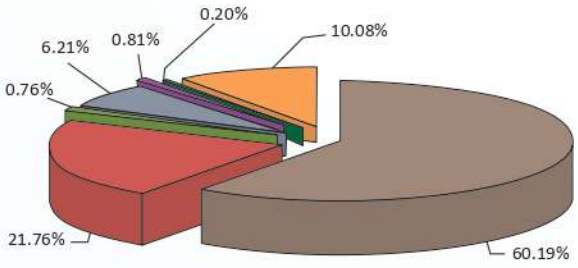
(FY 2021-22)



Total : 22,482 MW

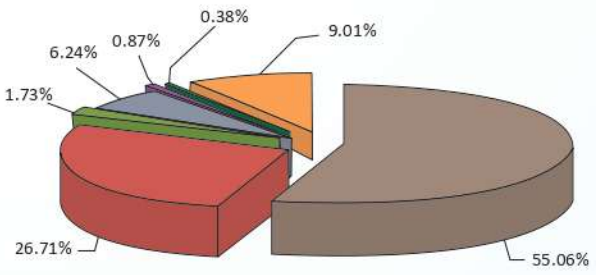
TOTAL NET GENERATION (NATIONAL) BY FUEL

(FY 2020-21)



Total Net Generation : 80,423 MkWh

(FY 2021-22)



Total Net Generation : 85,607 MkWh

TRANSMISSION

Transmission Lines

During fiscal year 2021-22, a total length of 1003.824 circuit kilometer transmission line added to the system through different projects. In the same period, transmission line length increased by 7.8% than that of previous year. The line details are as below:

Sl.	Transmission Line	Quantity (Ckt. Km.)
1	Single circuit LILO of Faridpur-Bheramara 132 kV double circuit line at Rajbari 132/33 kV Substation	4.576
2	Single circuit LILO of Khulna(S)-HVDC 230 kV double circuit line at Jhenaidah 230/132 kV Substation	7.872
3	LILO of Jhenaidah-Chuadanga 132 kV single circuit line at Jhenaidah 230/132 kV Substation	5.830
4	Hathazari-Shikalbaha 230 kV double circuit transmission line.	56.700
5	Mongla-Khulna 230 kV double circuit transmission line.	47.712
6	Four circuit transmission line from Keraniganj 230/132/33 kV substation to Kamrangirchar and Lalbag substation	12.496
7	Double circuit LILO of Jhenaidah-Jashore 132 kV double circuit line at Jhenaidah 230/132 kV Substation	1.464
8	Rampur to Agrabad 132 kV single circuit underground cable	4.540
9	400 kV Double Circuit Line from Payra BCPCL Power Station to Payra Interim 400/132/33 kV Substation of PGCB	2.400
10	Banskhali-Madunaghat 400 kV double circuit line	110.720
11	400 kV Matarbari-Madunaghat LILO to SS Power station	13.740
12	400 kV double circuit transmission line up to Rahanpur-Manaksha border	59.650
13	Payra- Gopalganj 400 kV 2nd circuit line	163.500
14	Chapainawabganj-Rahanpur 132 kV Transmission Line Circuit-1	25.876
15	LILO of Khulshi-Madunaghat 132 kV line at Sholshahar 132/33 kV substation	0.300
16	Gopalganj-Mongla 400 kV Transmission Line Circuit-1	96.700
17	LILO of Halishahar-Khulshi 132 kV Line Circuit-2 at Rampur 132/33 kV Substation.	5.360
18	Madunaghat-Kalurghat 132 kV double circuit line	14.192
19	Chapainawabganj-Rahanpur 132 kV Transmission Line Circuit-1	25.876
20	Barisal-Faridpur 230 kV double circuit line	247.620
21	Gopalganj-Mongla 400 kV Transmission Line Circuit-1	96.700
Total		**1003.82 ckt.km**

Total length of 400 kV transmission line increased to 1493.6 circuit km from the previous year of 950.14 circuit km. The total length of 230 kV transmission line increased to 4017.84 circuit km from the previous year of 3,658 circuit km. The total length of 132 kV transmission line increased to 8377.25 circuit km from the previous year of 8,227.8 circuit km.

Grid Sub-stations

During fiscal year 2021-22, transmission grid substation capacity also increased due to completion of new substations and augmentation of existing grid substation. At the end of fiscal year 2021-22, grid capacity increased by 13% at different voltage level. The details of substations capacity are as below:

A. New Subs-stations:

Sl.	Name of Sub-station	Transformer Capacity (MVA)
1	Rajbari 132/33 kV GIS Substation (2x50/75 MVA) [Commissioning of 1st & 2nd Transformer]	150
2	Amin bazar 400/230 kV Substation (3x520 MVA)	1560
3	Jhenaidah 230/132kV Substation (2x225/300 MVA) [Commissioning of 1st & 2nd Transformer]	600
4	Mirsarai 230/33 kV Substation (2x120/140 MVA)	280
5	Pyara 400/132 kV Substation (2x325 MVA)	650
6	Rampur 132/33 kV Substation (Commissioning of 1x80/120 MVA Transformer)	120
7	Sholashar 132/33 kV Substation (Commissioning of 2x80/120 MVA Transformers)	240
8	Kalurghat 132/33 kV Substation (Commissioning of 2x80/120 MVA Transformers)	240
9	Pyara 132/33 kV Substation (2x80/120 MVA)	240
Total (MVA)		**4080**

B. Augmentation of Existing Substation Capacity:

Sl.	Name of Sub-station	Augmentation Capacity (MVA)
1	Commissioning of Chuadanga 132/33 kV Substation 3rd Transformer	41
2	Commissioning of 4th Transformer at Manikganj 132/33 kV Substation (Replacement of 50 MVA Transformer with 75 MVA Transformer)	25
3	(Replacement of existing 2x64 MVA transformers with 2x80/120 MVA transformers at Madunaghat 132/33 kV substation)	112
4	Commissioning of 2nd Transformer at Bhola 230/33 kV Substation	140
5	Replacement of an existing 50/75 MVA transformer with an 80/120 MVA transformer at Barisal 132/33 kV substation)	45
6	Replacement of existing 1x50/75 MVA and 1x35/50 MVA transformers with 2x80/120 MVA transformers at Tongi 132/33 kV substation	115
Total (MVA)		**478**

C. Transmission Line Re-conductoring

Sl.	Name of Transmission Line	Quantity (Ckt. Km.)
1.	132kV Double Circuit Dohazari–Cox's Bazar Transmission Line.	175.994
2.	132kV Baroiyarhat -Hathazari Transmission Line	56.876

Transmission Summary

Sl.	Transmission Line Type	Circuit km
01	400 kV Transmission Line	1493.6
02	230 kV Transmission Line	4017.84
03	132 kV Transmission Line	8377.25
	Total Transmission Line	**13,888.69**
	Transmission Loss (%)	2.89 %

Sub-station Type	No of Sub-station	Capacity (MVA)
400 kV HVDC Sub-Station (MVA)	1	1,000
400/230 kV Sub-Station Capacity (MVA)	6	5,850
400/132 kV Sub-Station Capacity (MVA)	3	1,950
230/132 kV Sub-Station Capacity (MVA)	29	15,775
230/33 kV Sub-Station Capacity (MVA)	5	1,390
132/33 kV Sub-Station Capacity (MVA)	165	31,717
Total	**209**	**57,682**

Grid System Operation

In the FY 2021-22, total duration of power interruption in the grid network was 144 hours 56 minutes.

Interruption Of National Grid For FY 2021-22

S.N.	Type of Fault	Total Number of Faults		Total Duration	
		FY 2021	FY 2022	FY 2021 Hours/ Minutes	FY 2022 Hours/ Minutes
1	Partial Power failure due to trouble in generation	256	72	0	0
2	Partial Power failure due to trouble in grid S/S Equipment	98	96	146/29	130/46
3	Partial Power failure due to fault in transmission line	11	7	13/39	14/10
4	Partial Power failure due to the lightning on transmission line/Thunder Storm	00	00	00/00	00/00
5	Partial Grid failure	03	00	06/56	06/56
6	Total Grid failure	00	00	00/00	00/00
Total		**368**	**175**	**167/04**	**144/56**

Bulk Electricity Sales by BPDB

BPDB is functioning as a single buyer in the power market of Bangladesh. Besides its own generation, 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 purchase 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 (BREB)
- Northern Electricity Supply Company PLC (NESCO)
- BPDB's Four distribution zones

In the FY 2021-22, bulk electricity sales to the distribution utilities increased to 81,606 MkWh from 76,323 MkWh, which is 6.92% higher than the previous year. Total revenue collection also increased to Taka 4,18,075 million from Taka 3,97,608 million, which is 5.15% 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 (%)	
	2020-21	2021-22	2020-21	2021-22	2020-21	2021-22	% increase over the previous year	2020-21	2021-22
BPDB	83,141	88,297	84,899	89,596	15,466	13,517	-12.60	102.11	101.47
WZPDCL	19,791	20,411	19,750	18,810	1,861	3,391	82.24	99.80	92.16
DPDC	62,459	65,286	62,017	61,480	40,804	39,730	-2.63	99.29	94.17
DESCO	37,172	40,177	36,827	36,971	3,590	6,759	88.25	99.07	92.02
BREB/PBS's	177,372	191,884	171,750	188,800	34,372	37,773	9.89	96.83	98.39
NESCO	21,411	22,548	22,365	22,418	2,077	2,207	6.24	104.46	99.42
TOTAL	**401,345**	**428,602**	**397,608**	**418,075**	**98,170**	**103,377**	**5.30**	**99.07**	**97.54**

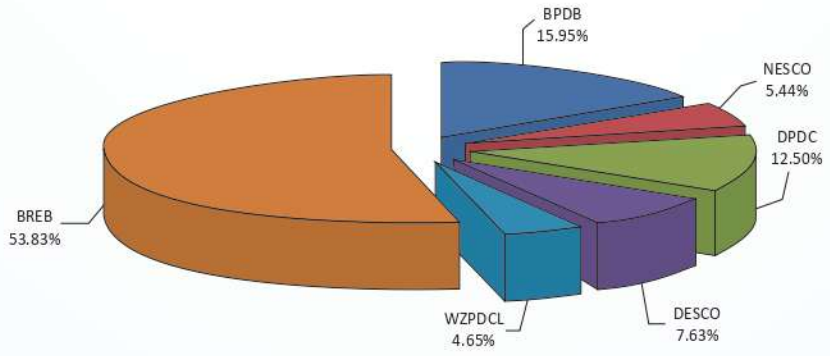
An Inter-Ministrial meeting on `Guideline for Electrical vehicle charging' held at Bijoy Hall, Bidyut Bhaban. Adviser to the Hon'ble Prime Minister Dr. Tawfiq-e-Elahi Chowdhury BB and State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid, MP were present.

Utility wise Bulk Energy Sales by BPDB as Single Buyer

In MkWh

Year	BPDB zones	NESCO	DPDC	DESCO	WZPDCL	BREB	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
2021-22	**13,015**	**4,440**	**10,199**	**6,229**	**3,796**	**43,927**	**81,606**

Utility Wise Bulk Sales (FY 2021-22)



Total Sales : 81,606 MkWh

DISTRIBUTION

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

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

Distribution Network & Commercial Summary

In the FY 2021-22, BPDB has extended about 2,297 numbers. distribution transformer with 399 MVA capacity as a part of continuous improvement of the system. BPDB covers electrification in 214 thanas/upazillas and 7,029 villages within its four distribution zones up to the end of this fiscal year. The summary of distribution networks and commercials from FY 2014-15 to FY 2021-22 is given below:

Distribution Network Summary

Particulars	Unit	2014-15	2015-16	* 2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
33/11 kV sub-station	Nos	161	183	130	132	133	137	151	156
Capacity 33/11 kV substation	MVA	3103/3980	3593/4694	2623/3390	2863/3698	3082/3978	3304/4221	3621/4628	4386/5634
33 kV Line	Km	3905	4194	3404	3418	3654	3706	3605	3824
11 kV line	Km	13806	14112	9436	9577	10742	10973	11768	13050
0.4 kV line	Km	22892	23614	16979	17071	18592	18962	20168	21991
Distribution Transformer	Nos	21059	21875	16630	19512	22020	24012	25607	27904
Capacity Distribution Transformer	MVA	3539	3674	2829	3376	3948	4499	4857	5256
Maximum Demand Served	MW	-	1973	1997	1624	1863	1876	1923	2044

Distribution Commercial Summary

Particulars	Unit	2014-15	2015-16	* 2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Energy import	MkWh	10486	12159	11024	10537	11400	11120	12309	13015
Energy sale (without bulk consumer)	MkWh	8791	9667	8063	7685	8240	8191	8825	9296
Energy sale (with bulk consumer)	MkWh	9315	10820	10002	9694	10573	10308	11489	12195
System loss (without bulk consumer)	%	11.17	10.66	10.92	9.89	9.12	8.99	8.50	8.10
System loss (with bulk consumer)	%	11.17	12.16	9.27	8.00	7.26	7.30	6.66	6.29
C.I Ratio	%	85.29	85.34	89.94	92.13	92.87	90.19	95.31	95.08
C.B Ratio	%	96.02	95.90	99.13	100.14	100.15	97.29	102.11	101.47
Consumer number	Nos	3157104	3457263	2526682	2801951	3046257	3236886	3451534	3670816
Accounts receivable	Million taka	14755	18696	13999	13440	14284	16503	15466	13517

* Due to transfer Rajshahi and Rangpur Zone to NESCO.

Customer's Service & Satisfaction

BPDB has introduced following services for customer satisfaction:

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

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- Chittagong, Comilla, Mymensingh and Sylhet. Consumers can pay their electricity bill through prescribed mobile phone operator at any time, 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 Industrial 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 Industrial 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 conveying 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. Still the accuracy of these bills cannot be guaranteed as there are several scopes of human errors. Another aspect with this system is the consumers have to pay after they use the electricity. So, they may not pay the bills in due time which creates problems for the distribution units.

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

Advantages of Pre-Paid Meters

Benefits for Customers	Benefits for Utility
• 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.	• 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. BPDB will sign a contract with Trust Axiata Digital Limited and SSLCOMMERZ very soon as the board has approved. Customers will soon be able to recharge through debit/credit cards.

The main objectives of Third-Party Vending System are:

- 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;
- 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
• Recharge automatically. • Consumers can see remotely historical data or real time data, remotely	• 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 installed 1.5 million prepaid meters out of its 3.7 million existing customers. Currently, BPDB runs three different prepayment metering systems named Unified Prepayment Metering System, STS Prepaid System and Smart Metering System. The percentages of prepaid consumers in BPDB's different zones are given below:

Sl.	Zone	Pre-paid Coverage (%) In Ratio of Total Consumer
1	Chattogram	45.61 %
2	Cumilla	30.76 %
3	Mymenshing	35.11 %
4	Sylhet	47.95 %
Total		**39.72 %**

SCADA

BPDB has engaged Consultants to implement Supervisory Control and Data Acquisition (SCADA) system in its four distribution zones (Chittagong, Sylhet, Mymensingh & Comilla) 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 supervisor's 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 eenergy 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

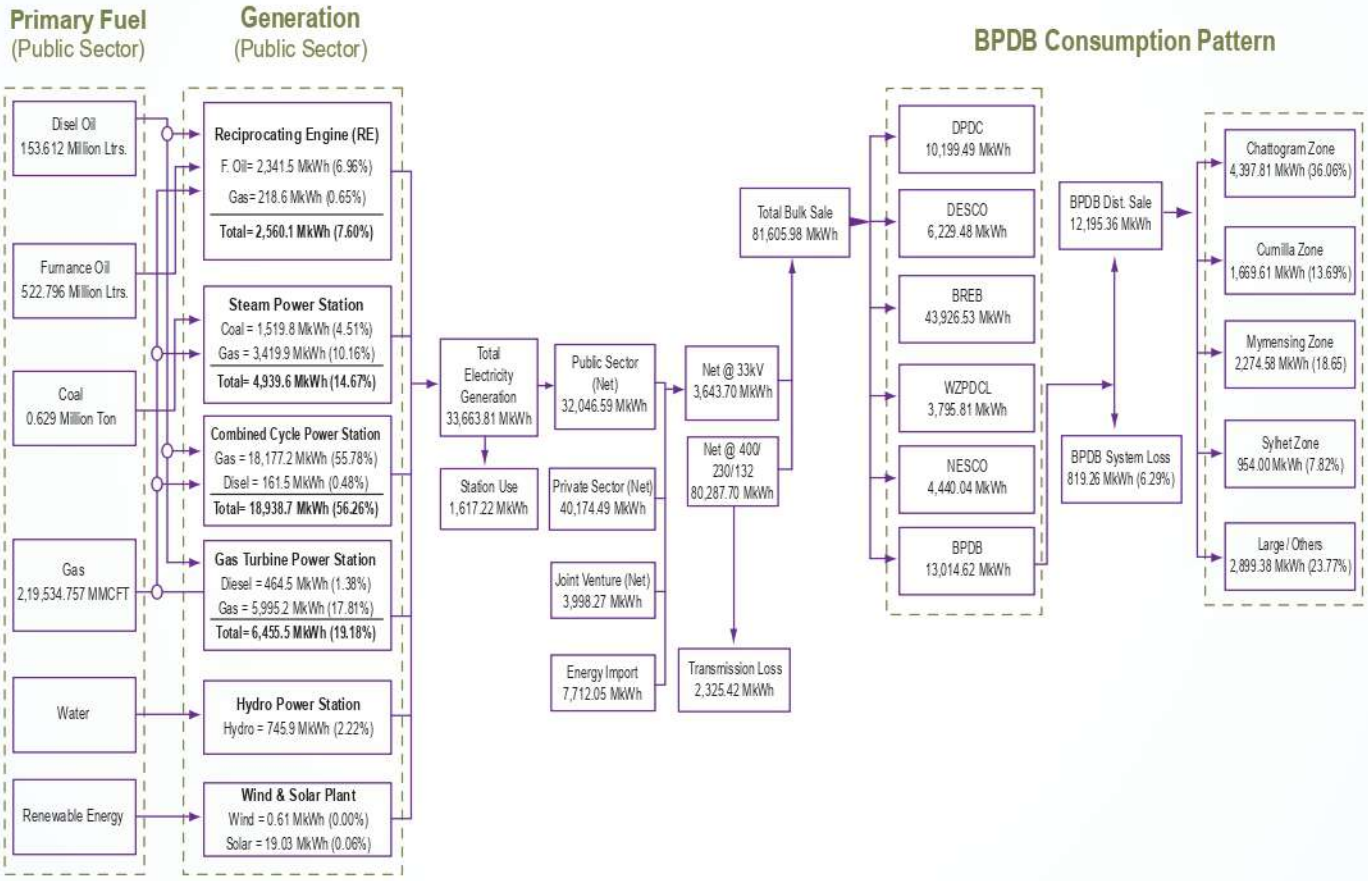
BPDB has an innovation team whose task is to compile an annual innovation work-plan of BPDB. This team arranges regular meetings and shortlists innovation ideas to be implemented in a fiscal year. BPDB has been participating in innovation show-casing every year arranged by Power Division. Since 2017, 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.
2021-22	Implementation of QR code in Postpaid Billing Software.

Engr. Md Mahbubur Rahman, Chariman BPDB presided over a meeting on implementation of Enterprise Resource Planning (ERP) in BPDB.

Receiving ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certificate from Bureau Veritas by Chairman, BPDB.

ENERGY FLOW CHART
(FY 2021-22)



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 22,512 MW. Out of this, public sector possesses 10,130 MW (45%), private sector 9,978 MW (44%), 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 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 14,782 MW on 16th April, 2022. At present, 100% of the total population has access to electricity and per capita generation is 609 kWh (including captive and renewable energy) during Fiscal year 2021-22. 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 27,400 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 plan 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. 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 June 2022 targeting about 22,754 MW generation additions from 2022 to 2027 is provided in the table below:

Year Wise Generation Projects to be Completed (From 2022 to 2027)

Year	2022 (MW)	2023 (MW)	2024 (MW)	2025 (MW)	2026 (MW)	2027 (MW)	Total
Public	901	1,382	4,438	843	2,337	1,210	**11,111**
Joint Venture	617	750	2,638	0	0	1,164	**5,169**
Private	1,226	2,969	614	138	2,335	782	**8,064**
Power import	748	748	0	0	0	0	**1,496**
Total	**3,492**	**5,849**	**7,690**	**981**	**4,672**	**3,156**	**25,840**

Under Construction & Tendering Process Projects

Under the above plan, 34 projects of capacity 13,103 MW are now under construction stage, 22 projects of capacity 2,577 MW are now in the singing process (LOI & NOA are given) and 4 projects of capacity 550 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 2022-2027.

Under Construction Projects

Sl.	Description	No. of Projects	Capacity (MW)
01.	Public Sector	11	4,055
02.	Joint Venture	4	3,793
03.	IPP	19	5,255
	Total	**34**	**13,103**

Projects under Signing Process (LOI & NOA are given)

Sl.	Type of Power Plant	Power Plant No.	Installed Capacity (MW)
01.	Public	0	0
02.	Joint Venture	2	165
03.	Private	20	2,412
	Total	**22**	**2,577**

Projects under Tendering Process

Sl.	Type of Power Plant	Power Plant No.	Installed Capacity (MW)
01.	Public	1	400
02.	Joint Venture	0	0
03.	Private	3	150
	Total	**4**	**550**

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 13,889 km (Circuit Km) transmission lines and 6,28,562 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 2023. BPDB also planned to import 500 MW power from Nepal by 2029.

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

A total of 7 generation and 10 distribution projects were undertaken in the Revised Annual Development Program (RADP) in the FY2021-22. Original Allocation, Revised Allocation & Expenditure incurred (provisional) in the FY2021-22 are shown in the following table.

(Taka in lakh)

Sub-sector	Original ADP FY (2021-22)			Revised ADP (FY 2021-22)					Expenditure incurred in FY 2021-22				
	Total	GOB (own fund)	PA	Total	Local	PA	Self-finance		Total	Local	PA	Self-finance	
							(Own fund)	(ECA)				(Own fund)	(ECA)
Generation (without own funded projects)	226527	226527	215700	55835	7101	6350	4883	37501	62671	7099	6411	10975	38185
Generation (including own funded projects)	303577	303577	215700	55946	7101	6350	4994	37501	62787	7099	6411	11091	38185
Transmission	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution	92679	92679	6478	154462	146966	0	7496	0	155549	145501	0	10048	0
TAPP	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (without own funded projects)	319206	319206	222178	210297	154067	6350	12379	37501	218220	152600	6411	21023	38185
Total (including own funded projects)	396256	396256	222178	210408	154067	6350	12490	37501	218336	152600	6411	21139	38185

Chairman BPDB Engr. Md Mahbubur Rahman inaugurating newly built IFDC 33/11 kV Sub-station (GIS), at Chattogram (Left). After that he observed the functioning of the Sub-station from Control Room (Right).

YEAR WISE COMMISSIONING STATUS OF GENERATION PROJECTS

Projects commissioned in 2010

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Shikalbaha 150 MW	150	BPDB	Gas	18 August, 2010
2.	Siddhirganj 2x120 MW GT	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 CCPP	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	31May, 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.	Katakhali 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.	Katakhali, 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.	Jamalpur 95 MW PP	95	IPP	Gas/ FO	29 November, 2016
	Sub Total (Private)	**370**			
	Total	**1,145**			

Projects Commissioned in 2017

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Bheramara 360 MW CCPP	278	NWPGCL	Gas/HSD	GT: 9 May, 2017
2.	Ashuganj 450 MW CCPP (South)	360	APSCL	Gas	11 June , 2017
3.	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 PP	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.	Upgradation of Sylhet 150 MW PP to 225 MW CCPP	87	BPDB	Gas	14 March, 2020
2.	Payra, Potuakhali 1320 Coal Fired Power Plant (1st Unit)	622	BCPCL (NWPGCL)	Imported Coal	15 May, 2020 (1st Unit) 8 December, 2020 (2nd Unit)
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

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	NWPGCL	Solar	30 March, 2021
4.	Ghorasal 416 MW CCPP (3rd Unit Repowering) GT	260	BPDB	Gas	01 April, 2021
	Sub Total (Public)	**749**			
	Private Sector				
1.	Potiya, Chittagong 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
6.	Kanchan, Narayangonj 55 MW PP	55	IPP	HFO	20 December, 2021
7.	Borodurgapur, mongla Bagerhat 100 MW Solar PP	100	IPP	Solar	29 December, 2021
	Sub Total (Private)	**730**			
	Total	**1,479**			

Projects Commissioned in 2022 (Up to June)

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Commissioning Date
	Public Sector				
1.	Ashugonj 400 MW CCPP (East) GT Unit	284	APSCL	Gas	23 June, 2022
	Sub Total (Public)	**284**			
	Private Sector				
1.	Chandpur 115 MW Power Plant	115	IPP	HFO	11 February, 2022
2.	Thakurgao 100 MW Power Plant	115	IPP	HFO	01 March, 2022
	Sub Total (Private)	**230**			
	Total	**514**			

FUTURE GENERATION PROJECTS

Projects to be Commissioned in 2022 (From July to December)

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Mirsorai, Chittagong 150 MW PP	163	BR Power Gen	HFO/Gas	September, 2022
2.	Ashugonj 400 MW CCPP (East); ST Unit	116	APSCL	Gas	September, 2022
3.	Khulna 330 MW CCPP (D/F)	336	BPDB	Gas/HSD	GT: September 2022 ST: November 2022
4.	Sirajganj 2 MW Wind based Power Plant	2	BPDB	Wind	December, 2022
	Sub Total (Public)	**617**			
	Joint Venture				
1.	BIFPCL, Rampal, Coal Fired Power Plant; U#1	617	BIFPCL	Imported Coal	December, 2023
	Sub Total (Joint Venture)	**617**			
	Private Sector				
1.	Lalmonirhat 30 MW Solar Park	30	IPP	Solar	Auguest,2022
2.	Hatia 15 MW Power Plant	5	IPP	HFO	September, 2022
3.	Chattogram 2 x 612 MW Coal Fired Power Project; Unit 1	612	IPP	Imported Coal	December, 2022
4.	Borisal 307 MW Coal Fired PP	307	IPP	Imported Coal	December, 2022
5.	Patgram, Lalmonirhat 5 MW Solar PP	5	IPP	Solar	December, 2022
6.	Gowainghat, Sylhet 5 MW Solar PP	5	IPP	Solar	December, 2022
7.	Dhormopasha, Sunamganj 32 MW Solar PP	32	IPP	Solar	December, 2022
	Sub Total (Private)	**996**			
	Import				
1.	Adani Power, Jharkhand India, 1st Unit	748	Import	Import	December, 2022
	Sub Total (Import)	**748**			
	Total	**2,978**			

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.	Ghorasal 3rd Unit Repowering ST	156	BPDB	Gas	March, 2023
2.	Barishal 1 MW Solar Power Plant	1	BPDB	Solar	March, 2023
3.	Ghorasal 4th Unit Repowering	410	BPDB	Gas	April, 2023
4.	Sayedpur 150 MW PP	162	BPDB	HSD	June, 2023
5.	Sreepur 150 MW Power Plant	163	B-R Power Gen	HFO	June, 2023
6.	Rupsa 800 MW CCPP; Unit 1	440	NWPGCL	LNG	October, 2023
7.	Sonagazi 50 MW Solar Power Plant Project	50	EGCB	Solar	December, 2023
	Sub Total (Public)	**1,382**			
	Joint Venture				
1.	BIFPCL, Rampal, Coal Fired Power Plant; U#2	617	BIFPCL	Imported Coal	June 2023
2.	Sagarkandi, Sujanagar, Pabna grid-tied 64 MW Solar PV Power Plant	65	BCRECL	Solar	December, 2023
3.	Soydabad, Sirajganj Sadar, Sirajganj 68 MW Solar Park	68	BCRECL	Solar	December, 2023
	Sub Total (Joint Venture)	**750**			
	Private Sector				
1.	Chattogram 2 x 612 MW Coal Fired Power Project (S. Alam Group); Unit 2	612	IPP	Imported Coal	March 2023
2.	Meghnaghat 583 MW CCPP (Summit Unit-2)	583	IPP	LNG/HSD	March, 2023
3.	Meghnaghat 600 MW CCPP (Unique)	584	IPP	LNG	March 2023
4.	Meghnagat 750 MW CCPP (Reliance)	718	IPP	LNG	March 2023
5.	Sundarganj, Gaibandha 200 MW Solar Park	200	IPP	Solar	March 2023
6.	Tetulia, Panchagarh 30 MW Solar Park	30	IPP	Solar	June, 2023
7.	Pabna 100 MW Solar Power Plant	100	IPP	Solar	June, 2023
8.	Bera, Pabna 3.77 MW Solar Power Plant	4	IPP	Solar	June, 2023
9.	Jamalpur 852 kW Rooftop Solar Project on 22 Gov. Buildings in Jamalpur district	1	IPP	Solar	August, 2023
10.	Cox's Bazar 60 MW Wind based Power Plant	60	IPP	Wind	December, 2023
11.	Chandpur Sadar 7 MW Solar Power Plant	7	IPP	Solar	December, 2023
12.	Dimla, Nilfamari 50 MW Solar Power Plant	50	IPP	Solar	December, 2023
13.	Debiganj, Panchagarh 20 MW Solar Park	20	IPP	Solar	December, 2023
	Sub Total (Private)	**2,969**			

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Import				
1.	Adani Power, Jharkhand India, 2nd Unit	748	Import	Import	March, 2023
Sub Total (Import)		**748**			
Total		**5,849**			

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	1128	CPGCBL	Imported Coal	January 2024 July 2024
2.	Rooppur Nuclear Power Plant (1st Unit)	1030	NPCBL	Nuclear	February 2024
3.	Rupsa 800 MW CCPP; Unit 2	440	NWPGCL	LNG	April 2024
4.	Mymenshingh 360 MW CCPP	420	RPCL	Gas/HSD	GT: June 2024 ST: December 2024
5.	Sonagazi, Feni 100 MW Solar Power Plant Project-2	100	EGCB	RPCL	June, 2024
6.	Construction of Madarganj 100 MW Solar Power Plant at Sheikh Hasina Solar Park, Jamalpur	100	RPCL	EGCB	August, 2024
7.	Rooppur Nuclear Power Plant (2nd Unit)	1030	NPCBL	Nuclear	October 2024
8.	Gazaria 50 MW Solar Power Plant Project	50	RPCL	RPCL	December, 2024
9.	Panchagarh 30 MW Solar Power Plant	30	RPCL	RPCL	December, 2024
10.	Sonagazi, Feni 100 MW Solar Power Plant Project-1 (JV of EGCB)	100	EGCB	RPCL	December, 2024
Sub Total (Public)		**4,438**			
	Joint Venture				
1.	Potuakhali 1320 Coal Fired Power Plant	1,244	RNPL	Imported Coal	March 2024 August 2024
2.	Payra, Potuakhali 1200-1320 Coal Fired Power Plant (2nd Phase)	1,244	BCPCL	Imported Coal	June 2024 December 2024
3.	Madarganj 100 MW Solar Power Plant at Kaijer Char, Madarganj, Jamalpur	100	B-R Powergen Ltd. JV	Solar	June, 2024
4.	Payra 50 MW Wind Power Plant	50	BCRECL (NWPGCL)	Wind	December, 2024
Sub Total (Joint Venture)		**2,638**			
	Private Sector				
1.	Sonagazi, Feni 30 MW Wind Power Plant	30	IPP	Wind	June, 2024
2.	Moulovibazar, Sylhet 10 MW Solar Power Plant	10	IPP	Solar	June, 2024
3.	Panchagarh 50 MW Solar Park	50	IPP	Solar	June, 2024

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
4.	Baraiyarhat, Chattogram 50 MW Solar Power Plant	50	IPP	Solar	June, 2024
5.	Mongla, Bagerhat 55 MW Wind Power Plant	55	IPP	Wind	June, 2024
6.	Krishnopur, Jibonnogor, Chuadanga 50 MW Solar Power Plant	50	IPP	Solar	June, 2024
7.	Terokhada, Khulna 50 MW (AC) grid-tied Solar PV Power Plant	50	IPP	Solar	June, 2024
8.	Netrokona 50 MW Solar Power Plant	50	IPP	Solar	June, 2024
9.	Dhamrai, Dhaka 50 MW Solar Power Plant	50	IPP	Solar	December, 2024
10.	Ishwardi, Pabna 70 MW Solar PP	70	IPP	Solar	December, 2024
11.	Muktagachha, Mymensingh 50 MW PP	50	IPP	Solar	December, 2024
12.	Narayanganj City Corporation 6 MW Waste-to-Energy Power Generation Project	6	IPP	Waste	December, 2024
13.	Gazipur City Corporation (GCC) 42.5 MW (Net)	43	IPP	Waste	December, 2024
14.	grid-connected Waste-to-Power Project Inani, Cox's Bazar 50 MW Wind Power Plant	50	IPP	Wind	December, 2024
Sub Total (Private)		**614**			
Total		**7,690**			

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.	Haripur 250 MW CCPP	243	BPDB	LNG	June 2025
2.	Raojan 400±10% MW CCPP	400	BPDB	LNG	December 2025
3.	Potuakhali 200 MW Solar PV Power Plant	200	APSCL	Solar	December 2025
Sub Total (Public)		**843**			
	Private Sector				
1.	Dhaka South City Corporation 40-45 MW Waste-to-Energy Power Generation Project	45	IPP	Waste	June, 2025
2.	Chandpur 50 MW Wind Power Plant	50	IPP	Wind	December, 2025
3.	Aminbazar (Dhaka North City Corporation) 42.50 MW (Net) Waste-to-Energy Power Generation Project	43	IPP	Waste	December, 2025
Sub Total (Private)		**138**			
Total		**981**			

Projects to be Commissioned in 2026

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Ghorasal 225 MW CCPP	225	BPDB	LNG	June, 2026
2.	Payra 1200 MW LNG based CCPP (1st Phase)	1200	NWPGCL	LNG	June, 2026
3.	Sonagazi, Feni 82.50 MW Solar Park	83	BPDB	Solar	Jun, 2026
4.	Gangachara, Rangpur 68.60 MW Solar Park	69	BPDB	Solar	Jun, 2026
5.	Rampal 260 MW Solar PP, BPDB	260	BPDB	Solar	Jun, 2026
6.	100 MW Wind Power Plant Project at Parkeybeach area, Chattogram	100	EGCB	Wind	Jun, 2026
7.	Mymenshingh 400 MW CCPP	400	BR Power Gen	LNG	Dec, 2026
	Sub Total (Public)	**2,337**			
	Private Sector				
1.	Anowara 590 MW CCPPC (United)	590	IPP	LNG	January, 2026
2.	Meghnaghat 500 MW CCPP (Unlima)	450	IPP	LNG	January, 2026
3.	Gozaria 660 MW CCPP (IDRA)	660	IPP	LNG	Dec, 2026
4.	Dhaka 635 MW Coal Fired Power Project (Orion Group)	635	IPP	Imported Coal	Dec, 2026
	Sub Total (Private)	**2,335**			
	Total	**4,672**			

Projects to be Commissioned in 2027

Sl. No.	Name of the Power Plant	Capacity (MW)	Ownership	Type of Fuel	Expected Commissioning Date
	Public Sector				
1.	Shiddirgonj 400±10% MW CCPP	550	BPDB	LNG	June 2027
2.	Gazaria 600MW LNG Based Power Plant	660	RPCL	LNG	June 2027
	Sub Total (Public)	**1,210**			
	Joint Venture				
1.	LNG based 1200 MW CCPP at Moheskhali-Phase-1	1,164	BPDB	LNG	June, 2027
	Sub Total (Joint Venture)	**1,164**			
	Private Sector				
1.	Mirsorai 660 MW CCPP (Confidence)	660	IPP	LNG	June, 2027
2.	Barishal 2 MW solar project (Phase-1)	2	BPDB	Solar	December, 2027
3.	Raypura, Narsingdi 120 MW Solar PV Power Plant	120	APSCL	Solar	December, 2027
	Sub Total (Private)	**782**			
	Total	**3,156**			

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

Bangladesh is moving forward on the path of development and progress and has been conserving a sustainable GDP growth for quite some time despite various adversities. This economic development has caused an escalation in the demand of electricity consumption; which is sure to rise more & more in imminent future. Electricity production of the country is needed to be upgraded with a view to coping with the enhanced demand and continuing economic prosperity. At present 100% of the people have access to electricity. Since the fossil fuel is depleting rapidly, the GoB has adopted important strategies to develop renewable energy as part of fuel diversification program. In line with the Renewable Energy policy, the Government is committed to facilitate both public and private sector investment in renewable energy projects to substitute indigenous non-renewable energy supplies and scale up contributions of existing renewable energy-based electricity productions. The Government has given priority on developing renewable energy resources to improve energy security and to establish a sustainable energy regime alongside of conventional energy sources. 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.

In the backdrop of present global warming situation and other environmental issues, BPDB is emphasizing on developing renewable power projects to meet the growing demand of electricity to cope with the economic development as well as mitigating environmental concern. On that note, 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 2021-2022, BPDB has taken the following steps for implementation, planning & development of renewable energy sector:

1. Utility Scale Solar PV Projects

(i) Completed Projects:

Implementation Method: IPP

- 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) On-going Projects:

(A) Implementation Method: EPC

- Barishal 1 MWp Grid Tied Solar Power Plant Project

(B) Implementation Method: IPP

- 852 kWp Grid Tied Rooftop Solar PV Projecton 22 nos. Government Building (8237.35 m2 rooftop area) at Jamalpur District.
- 32 MW (AC) Solar Park at Dharmapasha, Sunamganj by Haor Bangla-Korea Green Energy Ltd.
- 30MW (AC) Solar Park at Lalmonirhat 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.
- 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.
- 100 MW (AC) Solar park at Pabna by Shapoorji Pallonji Infrastructure Capital Company Private Limited (India).

(iii) Projects under Planning

(A) Implementation Method: EPC

- 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.
- Rampal 260 MWp Grid-tied Solar Power Plant, Rampal, Bagerhat.
- Barishal 2 MW (Phase-1) Grid-tied Solar Power Plant.
- Barishal 2 MW (Phase-2) Grid-tied Solar Power Plant.

(B) Implementation Method: IPP

- 50 MW (AC) Solar Park at Panchagarh by 8minutenergy Singapore Holdings 2, Pte.Ltd.
- 20 MW Solar projects at Deviganj, Panchagarh by Rahimafrooz Shunfeng Consortium.
- 10 MW Solar project at Moulovibazar by Symbior Solar & Holland Consortium.
- 50 MW Solar project at Dimla, Nilphamari by Scatec Solar ASA, Norway.
- 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, Banglladesh & 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.
- 64.55 MW (AC) Solar Power plant at Sagarkandi, Sujanagar, Pabna.
- Terokhada Khulna 50 MW Solar Power plant.
- Ishwardi, pabna 70 MW Solar Power plant.
- Muktaghasa, mymensing 50 MW Solar Power plant.
- Maheshkhalli 160-250 MW Solar Power plant.

2. Wind Power Projects

(i) On-going Projects

(A) Implementation Method: EPC

- 2MW (8x250 kW) Capacity Wind Power Plant on Turnkey Basis at the bank of the river Jamuna adjacent to the existing Sirajganj 150 MW Power Plant Sirajganj, Bangladesh.

(B) Implementation Method: IPP

- 60 MW Wind Power Plant at Cox's Bazar by US DK Green Energy (BD) Ltd.

(ii) Projects under Planning

(A) Implementation Method: IPP

- 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.
- 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. Solid Waste to Energy based Power Projects

(i) On-going Projects:

(A) Implementation Method: IPP

- 42.5 MW Municipal Solid Waste based Power Plant at Dhaka North City Corporation by China Machinery Engineering Corporation (CMEC).
- Narayanganj 6 MW Municipal Solid Waste based Power Plant at Narayanganj

(ii) Projects under Planning:

(A) Implementation Method: IPP

- Dhaka South City Corporation 40-45 MW Municipal Solid Waste based Power Plant.

3. Solid Waste to Energy based Power Projects

- BPDB has installed solar system of total capacity 6.91 MW of different offices and consumers. (Including 44 Nos Net Metering system of 400.14 kW capacity).

A Virtual Revenue meeting with the officials of Four Distribution Zones of BPDB.

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	Cumu. Progress (%)
		BPDB (Lakh Tk.)	GoB (Lakh Tk.)	Foreign (Lakh Tk.)	Total (Lakh Tk.)		
1.	Power Distribution System Development, Chattogram Zone (2nd Phase) (1st Revised).	11929	248131	0	260061	July, 2018 to June, 2025	30%
2.	Power Distribution System Development Project, Rangpur Zone (1st Revised).	7606	135314	0	142921	January, 2016 to June, 2023	95%
3.	Power Distribution System Development Project, Sylhet Division (2nd Revised).	18507	212947	0	231454	April, 2016 to June, 2024	60%
4.	Power Distribution System Development Project, Mymensingh Zone (1st Revised).	10014	152417	0	162432	January, 2018 to June, 2024	73%
5.	Power Distribution System Development Project, Cumilla Zone.	6581	145594	0	152176	January, 2018 to June, 2023	70%
6.	Pre-Payment Metering Project for Distribution Cumilla & Mymensingh Zones. (1st Revision).	9914	4583	2018	16516	July, 2013 to June, 2024	31%
7.	Hundred Percent Reliable and Sustainable Electrification of Hatiya Island, Nijhum Island & Kutubdia Island.	1347	37088	0	38436	July, 2020 to June 2023	60%
8.	Smart Pre-payment Metering Project in Distribution Zones of BPDB.	12078	16965	32887	61930	March, 2022 to February 2025	50%

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.	Development of Power Distribution System in Three Hilly Districts (2nd Phase)	11532	159506	0	171039
2.	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	83879

Power Purchase Agreement (PPA) was signed between BPDB and Waste to Energy Power Plant North Dhaka (Pvt.) Limited to establish 42.5 MW power plant at Aminbazar.

State Minister for Power, Energy and Mineral Resources, Mr. Nasrul Hamid, MP delivered speech as Chief Guest in a day long workshop titled `Cyber Security in Power Sector Policy and Operational Perspective'.

A contract was signed between BPDB and Consortium of GATIPSDC- Youngin to bring Kutubdia Island under national grid through 33 kV sub-marine cable.

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. Now BPDB works as a single buyer of the country. BPDB is engage in implementing the development program of the GoB in the power sector. To find and ensure optimum utilization of the alternative source of fuel for power generation is also a part of its vision. Bangladesh Power Development Board is performing business in generation of electricity as a GoB wing and distribution of electricity in areas except the areas under the distribution companies
- By the ordinance (Ordinance No-LI of 1977) Rural Electrification Board (BREB) 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 Barisal and Khulna Zone. WZPDCL is a distribution subsidiary of BPDB.
- Electricity Generation Company of Bangladesh (EGCB) has been formed as a Generation Company since 2004 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 (NWPGCL) was created in 2008 as a subsidiary company of BPDB.. NWPGCL 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 , 6.55 MW grid connected solar plant at Sirajganj and 100 MW power plant at Modhumoti, Bagerhat. NWPGCL JV with CMC, China named as BCPCL, 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.

Achievement against training program conducted during FY 2021-22 is shown below

Sl. No.	Name of Training Center/Academy	No. of Course	Total No. of Trainees
1.	Engineering Academy, Kaptai, Rangamati	81	1857
2.	Regional Training Centre, Tongi, Gazipur.	72	1373
3.	Chattogram Training Centre, Chattogram.	65	1650
4.	Rajshahi Training Centre, Rajshahi	92	2178
5.	Ghorashal Training Centre, Narsingdi	80	1909
6.	Directorate of Training & Career Development, Dhaka.	103	2639
7.	Training Academy, Cox's Bazar	68	1591
8.	On The Job Training	50	1860
9.	Training in Abroad	16	38
10.	Seminar/Workshop	49	653
11.	Training in Other organization	43	151
Total		**719**	**15899**

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, Chittagong, 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

After successful completion of Foundation Training Course by the Newly appointed assistant engineers Secretary, Power Division, Mr. Md. Habibur Rahman distributed certificates among the participants.

State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid, MP formally inaugurated the Golden Jubilee celebration programs of BPDB at Bidyut Bhaban. Among others, the program was attended by the Chairman, Members and Seniors Officials of BPDB.

On the occasion of Golden Jubilee of BPDB, State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid, MP and Chairman, BPDB attended a Meet the Press program titled "50 years of BPDB : Achievements & Challenges" jointly organized by BPDB and FERB.

In observance of International Mother Language Day, Chairman, BPDB and Members of the Board along with Senior Officials placed floral wreath at the Central Shaheed Miner, Dhaka.

Team BPDB receives Runners up Trophy of the Bangabandhu R.A. Traders Federation Cup Volleyball Competition-2021.

Chapter 4

Tables and Charts

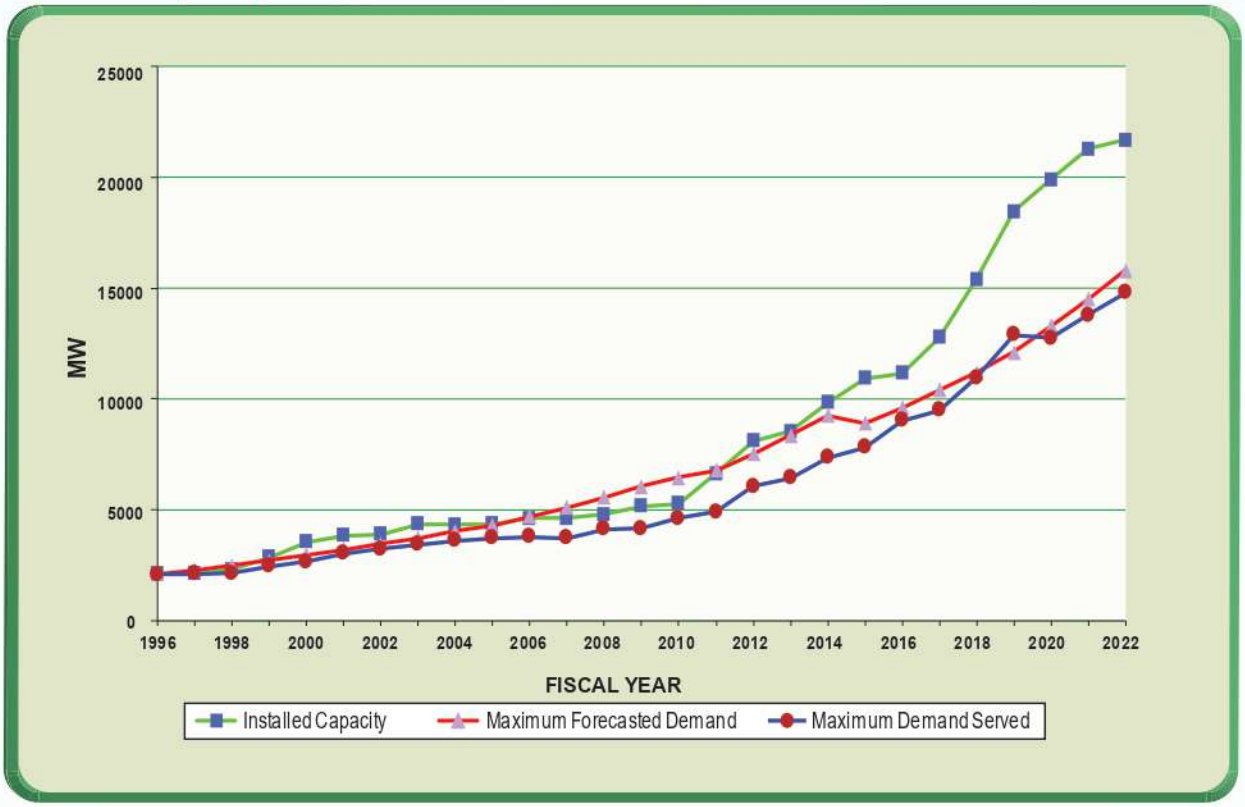
Generation Tables & Charts

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

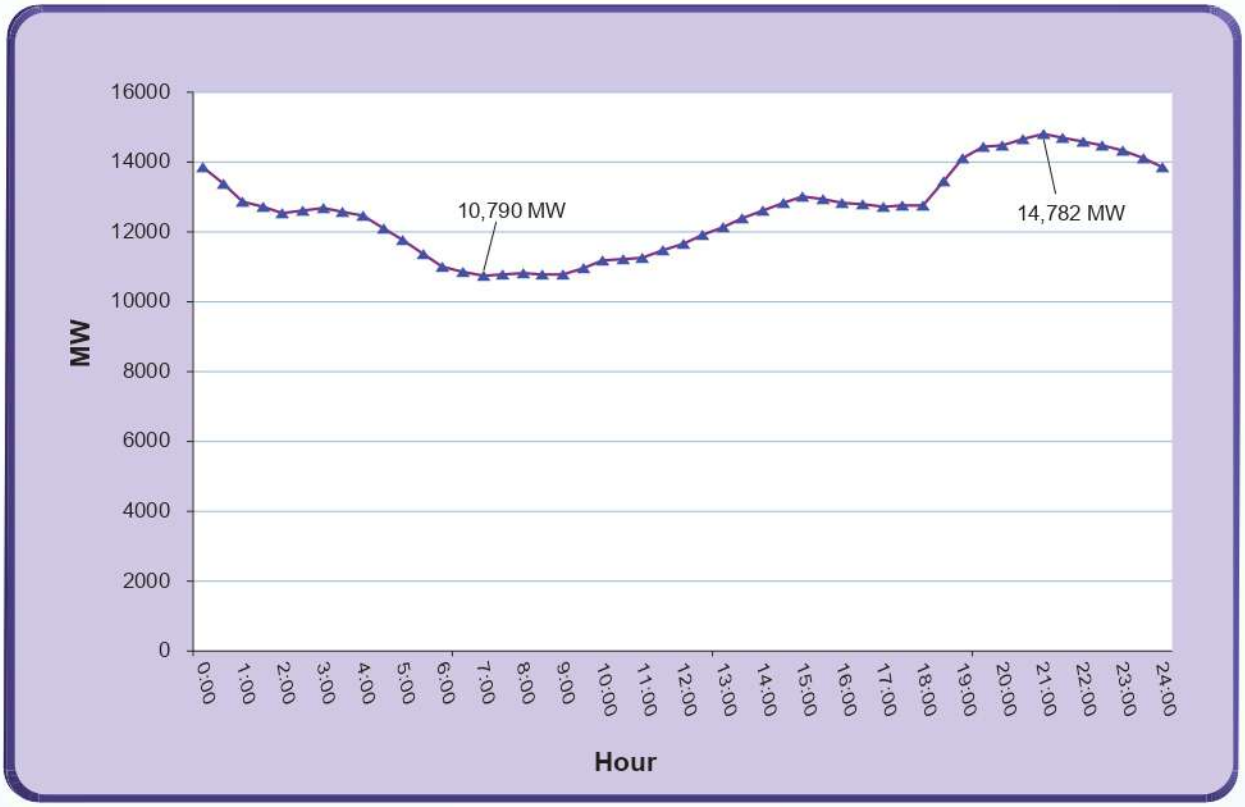
Year	Installed Capacity (MW)[1]	Present Capacity (Derated) (MW)[2]	Maximum Forecasted Demand (MW)[3]	Maximum Demand Served (MW)	Energy Not Served (MkWh)
1971-72	547	-	183	183	-
1972-73	602	412	222	222	-
1973-74	660	-	250	250	-
1974-75	667	490	266	266	-
1975-76	766	606	301	301	-
1976-77	767	571	342	342	-
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
2021-22	22,482	21,680	15,800	14,782	84

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



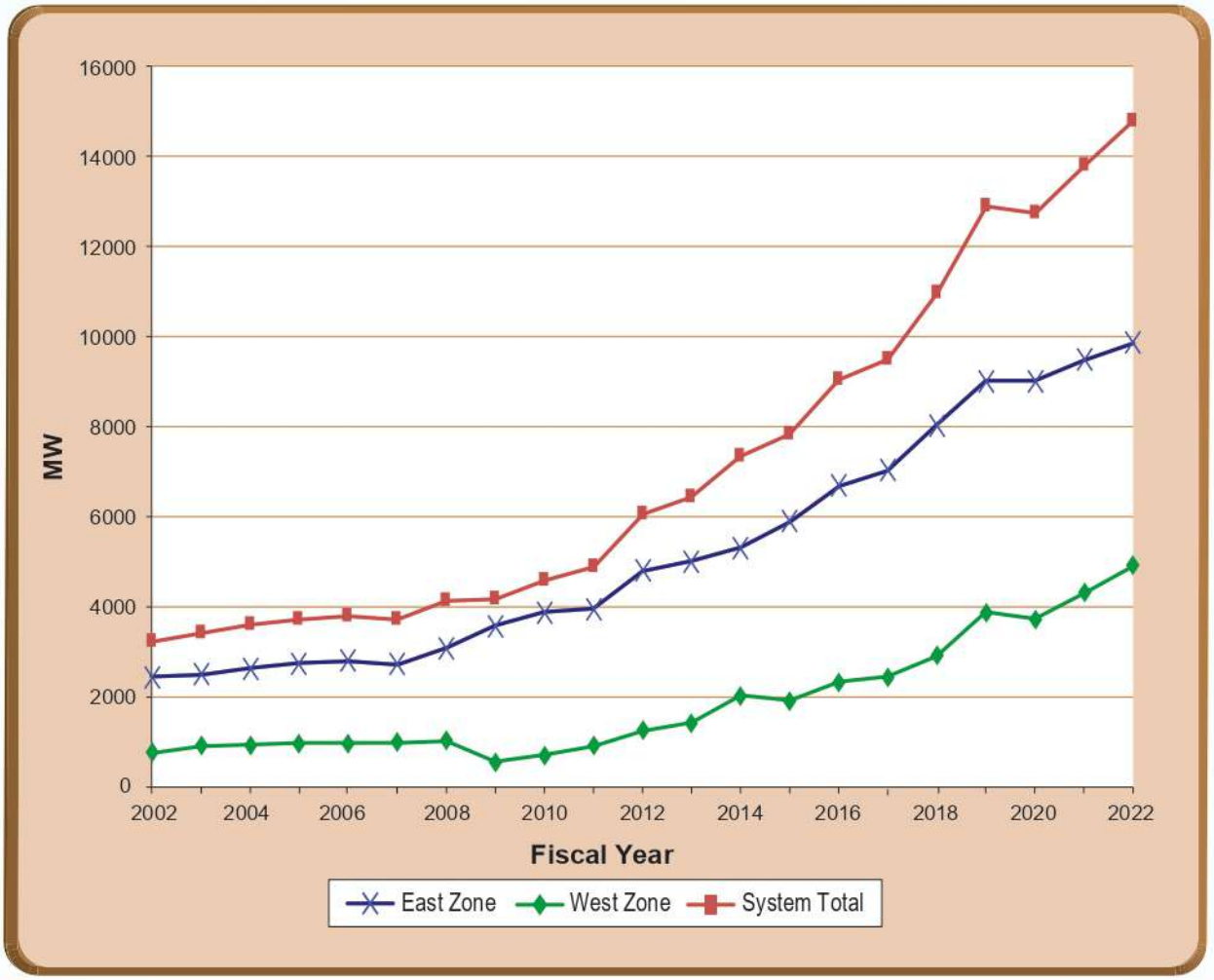
Daily Load Curve



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
2021-22	9,853	4,929	14,782	7.18

Treands of Maximum Generation (Actual)



In celebration of graduation of Bangladesh to a developing country, a day long program including a Fair and fireworks were organised at the Labony Point, Cox's Bazar. Various development activities and achievements were exhibited at the fair. Principal Secretary to the Hon'ble Prime Minister, Dr. Ahmad Kaikaus, Secretary, Power Division, Mr. Md. Habibur Rahman and Chairman, BPDB, Engr. Md Mahbubur Rahman visited the Power Division Stall at the Fair.

Plant Wise Generation (FY 2021-22)

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 Repowered CCPP Unit-3	Gas	260	4.4916	0.3%
	b) Ghorasal Repowered CCPP Unit-4	Gas	210	432.3770	29.3%
	c) Ghorasal TPP Unit-5	Gas	210	479.1115	30.9%
	d) Ghorasal TPP Unit-6	Gas	0	-1.3810	-
2	Ghorasal 365 MW CCPP Unit-7	Gas	365	1514.6635	49.9%
3	Tongi 80 MW GTPP	Gas	105	-0.0748	-
4	Haripur GTPP	Gas	32	-0.3480	-
5	210 MW Shiddirganj TPP	Gas	210	-1.0538	-
6	Siddhirganj 2x120 MW GTPP	Gas	210	116.2747	6.6%
7	Haripur 412 MW CCPP	Gas	412	1997.3706	57.7%
8	Gazipur 52 MW PP	F.Oil	52	209.5723	47.3%
9	Kodda 150 MW PP	F.Oil	149	480.5831	38.1%
10	Siddhirganj 335 MW CCPP	Gas	335	1427.2241	51.1%
11	Gazipur 100 MW PP	F.Oil	105	528.5993	58.2%
CHATTOGRAM ZONE					
12	Karnafuli Hydro	Hydro	230	743.5381	37.0%
13	Rauzan 210 MW /ST (1st)	Gas	210	365.8692	27.8%
	Rauzan 210 MW /ST (2nd)	Gas	210	194.6824	13.4%
14	Shikalbaha 150 MW Peaking PP	Gas	150	91.7600	7.2%
		Gas		0.0000	0.0%
15	Hathazari 100 MW Peaking PP	F.Oil	98	28.0441	3.4%
16	Sangu, Dohazari-kaliaish 100 MW PPP	F.Oil	102	131.8924	15.2%
17	RPCL Raozan 25 MW	F.Oil	25	85.4186	40.1%
18	Shikalbaha 225 MW PS	Gas	225	371.9485	19.7%
		HSD		0.0000	-
19	Mirsarai 150MW Ecconomic Zone	Gas	150	-2.1638	-
20	Sonagazi 1 MW Wind PP	Wind	0	-0.0036	-
21	Kutubdia 900KW Wind PP	Wind	0	0.5999	-
22	Kaptai Solar	Solar	7	9.2208	15.2%
Cumilla ZONE					
23	a) Ashuganj TPP Unit-3	Gas	150	163.8219	16.0%
	b) Ashuganj TPP Unit-4	Gas	150	-2.4462	-
	c) Ashuganj TPP Unit-5	Gas	150	190.0464	18.5%
24	Ashuganj 50 MW PP	Gas	53	194.9697	50.9%
25	Ashuganj 225 MW CCPP	Gas	221	1579.7036	83.1%
26	Ashuganj 450 MW CCPP (South)	Gas	360	2135.1124	70.2%
27	Ashuganj 450 MW CCPP (North)	Gas	360	2017.6151	66.8%
28	Chandpur 150 MW CCPP	Gas	163	726.7685	54.0%
29	Titas 50 MW Peaking PP	F.Oil	52	102.7246	23.3%
SYLHET ZONE					
30	Shahjibazar 70 MW GT, Habiganj	Gas	70	416.6655	72.3%
31	Shahjibazar 330 MW CCPP	Gas	330	1079.1941	39.3%
32	Fenchuganj C.C. (Unit #1)	Gas	97	294.0324	49.4%
33	Fenchuganj C.C. (Unit #2)	Gas	104	246.0297	34.3%
34	Sylhet 1x20 MW /GT	Gas	20	65.6370	37.7%
35	Sylhet 225 MW CCPP	Gas	231	1294.1250	66.7%
36	Bibiana III 400 MW CCPP	Gas	400	2139.3465	64.1%
37	Shahazibazar 100 MW GT	Gas	100	59.6779	7.3%
38	Bibiyana - South 383 MW CCPP	Gas	383	2522.7464	78.8%
KHULNA ZONE					
39	Khulna 225 MW (NWPGCL)	HSD	230	440.7341	22.7%
40	Bheramara GT unit-3	HSD	20	-0.1132	-
41	Bheramara 360 MW CCPP (NWPGCL)	Gas	410	1957.1065	57.3%
42	Faridpur 50 MW Peaking PP	F.Oil	54	42.8486	9.7%
43	Gopalganj 100 MW Peaking PP	F.Oil	109	18.6128	2.2%
44	Modhumoti 105 MW NWPGCL	F.Oil	105	98.8330	11.0%

Sl. No.	Name of power plant	Type of fuel	Generation Capacity Installed (MW)	Net Energy Generation (GWh)	Annual Plant factor (%)
BARISHAL ZONE					
45	Bhola 225 MW CCPP	Gas	194	633.9576	39.8%
RAJSHAHI ZONE					
46	Baghabari 71 MW /GT	Gas	71	14.9341	8.6%
	Baghabari 100 MW /GT	Gas	100	36.9595	
47	Sirajgonj 210 MW CC (NWPGCL) Unit-1	Gas	210	225.0118	12.9%
		HSD		0.0000	
48	Baghabari 50 MW Peaking RE	F.Oil	52	106.1326	23.8%
49	Bera 70 MW Peaking RE	F.Oil	71	60.1482	9.9%
50	Santahar 50 MW PP	F.Oil	50	68.3515	15.9%
51	Katakhali 50 MW PP	F.Oil	50	67.7863	15.8%
52	Chapainobabgonj Peaking Power Station 100 MW, Amnura	F.Oil	104	251.35416	28.3%
53	Sirajgonj 210 MW CC (NWPGCL) Unit-2	Gas	220	853.6262	54.6%
		HSD		155.3538	
54	Sirajgonj 210 MW CC (NWPGCL) Unit-3	Gas	220	1220.4226	66.0%
		HSD		0.0000	
55	Sirajgonj 2 MW Wind Plant	Wind	-	-0.0381	-
56	Sirajgonj 7.6 MW Solar Power Plant	Solar	6	9.7252	-
RANGPUR ZONE					
57	Barapukuria Coal based S/T (unit 1,2)	COAL	250	248.79	20.13%
58	Barapukuria Coal based S/T (unit 3)	COAL	274	1094.80	50.83%
59	Saidpur 20 MW /GT	HSD	20	1.17	0.74%
60	Rangpur 20 MW /GT	HSD	20	2.08	1.29%
	Total (Grid)		**10,296**	**32,043**	**39.69%**
	Isolated East	HSD	0	4.20	
	Isolated West	HSD	0	0.00	
	Total PUBLIC		**10,296**	**32,047**	
JOINT VENTURE					
1	Payra, Potuakhali 2*660 MW PP (U-1)	COAL	622	**2053.8585**	**40.5%**
	Payra, Potuakhali 2*660 MW PP (U-2)	COAL	622	**1944.4123**	**38.3%**
	Total Joint Venture		**1244**	**3,998.27**	**39.4%**
PRIVATE					
A. IPP					
1	Midland Power Co. Ashuganj 51 MW	GAS	51	370.7606	83%
2	Rural Power Company Ltd. (RPCL)	GAS	210	1120.2823	61%
3	Haripur Power Ltd.	GAS	360	1915.8159	61%
4	Meghnaghat Power Ltd.	GAS	450	2142.0589	54%
5	Regent Energy & Power Ltd 108 MW	GAS	108	360.8990	38%
6	United Power Co. Ltd.200 MW Exp	GAS	195	259.2364	15%
7	Summit Bibiyana - II Power Co Ltd. 341 MW	GAS	341	2310.6259	77%
8	Kushiara power Co.Ltd (163MW)CCPP Fenchuganj	GAS	163	1038.5329	73%
9	Sembcorp NWPGCL	GAS	414	2817.3837	78%
10	Summit Meghnaghat Power Co. Ltd.	GAS	305	1525.2777	57%
11	Nutan Biddyut 220MW Bhola	GAS	220	1647.3078	85%
12	Raj Lanka Power Gen. Com. Ltd. Nator 55 MW	F.Oil	52	234.7060	52%
13	Digital Power & Associates Gagnagar	F.Oil	102	440.9886	49%
14	Baraka Patenga	F.Oil	50	222.0218	51%
15	ECPV Chattogram Limited 108 MW	F.Oil	108	407.1014	43%
16	Lakdhanvi lanka- Bangla Jangalia Cumilla 52MW	F.Oil	52	217.1141	48%
17	Sinha Peoples Energy Ltd.Katpatti 52.5 MW Exp	F.Oil	51	25.2613	5.7%
18	Summit Barishal (110 MW)	F.Oil	110	63.0656	6.5%
19	Summit Narayangonj Power unit-2 Madangonj (55 MW)	F.Oil	55	288.6040	60%
20	Dhaka(Doreen) Northern Power Ltd.Manikgonj	F.Oil	55	297.6028	62%
21	Dhaka(Doreen) Southern Power Ltd.Nobabgonj	F.Oil	55	307.9415	64%
22	Powerpac Mutiara Jamalpur Power plant Ltd	F.Oil	95	14.5477	2%
23	CLC Power Co. Ltd. 108 MW Bosila Keranigonj	F.Oil	108	0.0000	-
24	Kamalaghat Banco Energy Generation	F.Oil	54	376.9750	80%
25	Kodda Gazipur 300MW Power Ltd.(unit-2 Summit)	F.Oil	300	1421.0773	54%
26	United Mymensing Power(UMPL) 200MW Generation	F.Oil	200	1052.0028	60%
27	Kodda Gazipur 149MW Power Ltd.(unit-1 Summit) ACE Alliance	F.Oil	149	809.1334	62%
28	Lobonchora Orion Power Rupsha Ltd. 105 MW	F.Oil	105	540.1933	59%

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	752.0482	43%
30	Juldha Acorn 100 MW Unit-3	F.Oil	100	586.3271	67%
31	Ashugonj 150 MW (Midland East)	F.Oil	150	858.8966	65%
32	Chandpur Power Generation Lid. 115MW	F.Oil	115	205.3529	20%
33	United Jamalpur PPL	F.Oil	115	627.9542	62%
34	Confidence CPBL- 2 Bogura	F.Oil	113	655.1523	66%
35	Baraka Shikalbaha 105MW PS	F.Oil	105	610.8982	66%
36	United Anwara 300MW PS	F.Oil	300	1677.6946	64%
37	Confidence Power Ltd. 113MW Rangpur	F.Oil	113	623.9700	63%
38	Jodiac Power	F.Oil	54	320.4723	68%
39	Karnaphuli Power Ltd.	F.Oil	110	693.9475	72%
40	Feni Lanka Power 114 MW PP	F.Oil	114	329.4527	33%
41	Bogura 113 MW PP (Confidence) Unit-1	F.Oil	113	613.3557	62%
42	HF 113 MW Power Limited	F.Oil	113	577.9998	58%
43	Julda 100 MW Unit - 2 (Acorn)	F.Oil	100	512.0836	58%
44	Manikganj 162MW P0wer Generation	F.Oil	162	1041.0831	73%
45	Orion Power Sonargaon Ltd.	F.Oil	104	638.9405	70%
46	Anlima Chattogram 116 MW	F.Oil	116	755.5543	74%
47	Tangail Polly Power 22 MW TPPGCl	F.Oil	22	149.7728	78%
48	Bhairab Power 54.5 MW	F.Oil	54	198.2786	42%
49	United Payra PP Patuakhali Imp	F.Oil	150	77.0767	6%
50	Kanchan Purbachol 55 MW Power Generation	F.Oil	55	190.0115	39%
51	Energypac Thakurgaon	F.Oil	115	192.1573	19%
52	APR Energy 300MW	HSD	300	259.7633	10%
53	Daudkandi 200MW(Bangla Trac)	HSD	200	159.3295	9%
54	Noapara100MW (Bangla Trac)	HSD	100	103.2071	12%
55	Aggreko, Aourahati 100MW	HSD	100	131.5842	15%
56	Aggreko, Brahmangaon 100MW	HSD	100	120.6112	14%
57	Paramount Baghabari BanglaTrack	HSD	200	104.9663	6%
58	Sharishabari 3 MW Engreen Solar Power Plant	Solar	3	3.9972	15%
59	20 MW Solar Teknaf	Solar	20	37.5573	21%
60	Sympa Solar Power 8 MW	Solar	8	11.9958	17%
61	50 MW HDFC Solar Power Plant	Solar	50	92.6940	21%
62	ERBL Solar 100 MW Mongla	Solar	100	100.7545	12%
63	Manikganj 35MW Spectra Solar Park Ltd.	Solar	35	52.4767	17%
	KEPZ 908 MW Solar	Solar	-	4.0137	-
	Sailo Solar Power Plant Shantahar	Solar	-	0.1322	-
	Shailla 400 KW Solar	Solar	-	0.0774	-
	Sub-Total IPP		8427	36298.16	42%
RENTAL & SIPP					
1	Bogura RPP (24MW) 15 yrs	GAS	22	167.4696	87%
2	Bogura 20 RPP (3 Yrs) Energy Prima	GAS	20	0.0000	0%
-	Ghorashal 78 MW QRPP (3 Yrs Max Power)	GAS	78	0.0000	0%
3	Tangail SIPP (22 MW) (Doreen Power Ltd.)	GAS	22	156.3513	81%
4	Feni SIPP (22 MW) (Doreen Power Ltd.)	GAS	22	161.1376	84%
5	Jangalia 33 MW (Summit Purbanchol Po. Co. Ltd.)	GAS	33	232.7299	81%
6	Ashugonj 55 MW 3Yrs Rental (Precision Energy)	GAS	55	276.5863	57%
7	Sylhet 50 MW PP (Energyprima Ltd.[Kumargao])	GAS	54	41.0707	9%
8	Sahzibazar 86 MW RPP (15 yrs)	GAS	86	619.9338	82%
9	Kumargao 10 MW Desh Combridge (15 Yrs)	GAS	10	75.3452	86%
10	Fenchugonj 51 MW Rental (15 Yrs) (Barakatullah)	GAS	51	349.6637	78%
11	Fenchugonj 50 MW Rental (Energy Prima)	GAS	44	48.4062	13%
12	Barabkundu SIPP 22 MW (Regent Power)	GAS	22	147.0819	76%
-	Malancha, EPZ, Ctg	GAS	0	193.1434	0%
13	Bhola 32 MW (Venture Energy Resources Ltd.)	GAS	33	189.5645	66%
14	Shahjahanullah Power Gen Co. Ltd.	GAS	25	119.6220	55%
15	Aggreko 95 MW Bhola	GAS	95	118.6168	14%
16	KPCL(115 MW) U-2	F.oil	115	107.4361	11%
17	Khanjahan Ali Noapara 40 MW	F.oil	40	29.8920	9%
18	Summit Power Co. Ltd Madangonj (100 MW)	F.oil	102	118.4816	13%
19	IEL, Meghnaghat 100 MW	F.oil	100	166.8927	19%
20	Shiddirganj Dutchbangla 100 MW	F.oil	100	162.2908	19%
21	Amnura 50MW Sinha Power	F.oil	50	21.4660	5%
22	Power Pac Mutiara,Keranigonj,100MW	F.oil	100	83.9476	10%

Sl. No.	Name of power plant	Type of fuel	Generation Capacity Installed (MW)	Net Energy Generation (GWh)	Annual Plant factor (%)
23	Julda Acorn Infra.service Ltd.100MW	F.oil	100	222.7973	25%
24	Katakhali (Northern) Peaking	F.oil	50	66.3949	15%
	Sub-Total RENTAL& SIPP		**1,429**	**3876**	**32%**
IMPORT					
1	Power Import (Bheramara-Bharampur Phase-1)	Import	500	1788.2012	
2	Import from Tripura (1st Phase)	Import	100	941.2416	
3	Import from Tripura (2nd Phase)	Import	60	526.1184	
4	Power Import (Bheramara-Bharampur Phase-2)	Import	300	2550.1500	
5	Sembcorp Energy India Ltd.	Import	200	1906.3417	
	Total Energy IMPORT		**1,160**	**7,712**	
	SIPP (BREB)		**251**	**1675.5740**	
	GRAND TOTAL		**22,807**	**85607**	

Hon'ble Prime Minister Sheikh Hasina inaugurated Payra 1320MW Thermal Power Plant on March 21, 2022.

An Inter-Ministrial meeting in order to ensure uninterrupted power supply during the month of Ramadan and Summer season.

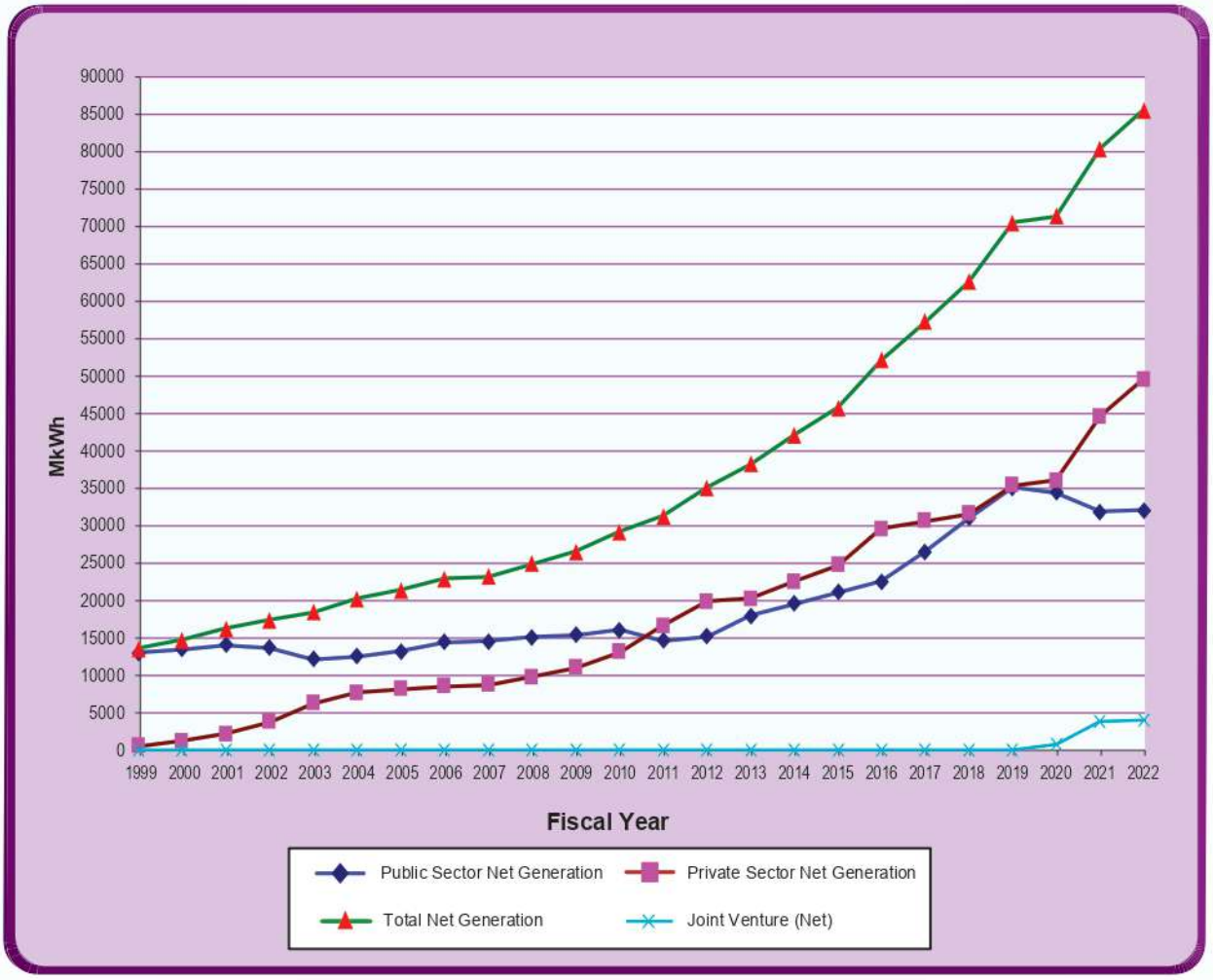
Foundation Stone of 60MW wind power project at Cox's Bazar was laid by State Minister for Power, Energy & Mineral Resources Mr. Nasrul Hamid, MP on March 31, 2022.

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 Inclu. BREB & Import (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	-
2021-22	25,591	8,072	33,664	32,047	3,998	49,562	85,607	6.45	1936.30	-

Total Net Energy Generation



Inauguration of Newly modified and beautified Bidyut Bhaban
by State Minister for Power, Energy & Mineral Resources Mr. Nasrul Hamid, MP.

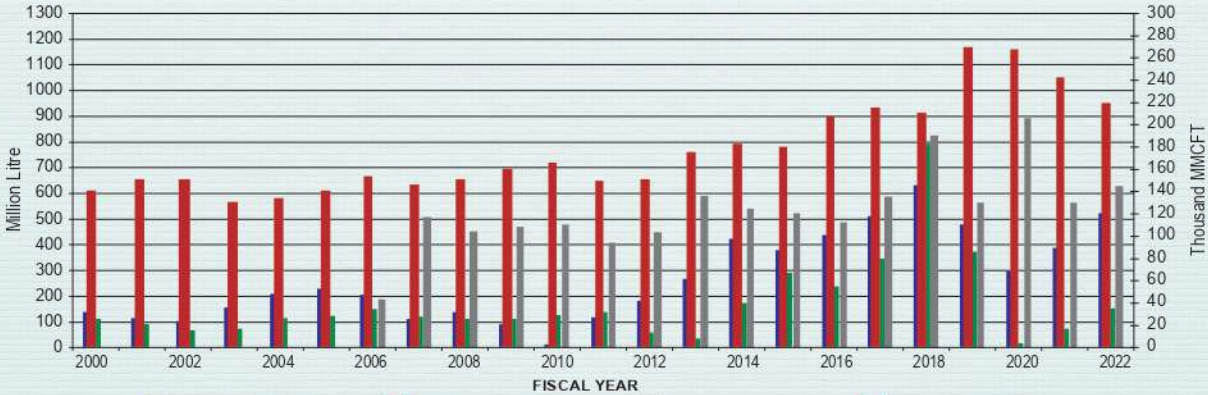
Year Wise Per Capita Generation and Consumption (Grid)

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
2021-22	85,607	165	76,667	518.33	464.20

* 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 (Milion 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
2021-22	219534.76	522.80	153.62	0.63



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

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)
2021-2022	45,577	34,780	80,357	40.45

Fuel Price

SL. No.	Fuel Type	Unit price with effect from																					
		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	01.07.19	04.07.21	08.10.21	05.11.21	05.11.21	16.12.21	14.02.22	10.03.22	25.03.22	01.06.22
1.	High speed Diesel oil (TK./ Lit)	42.71	42.71	42.71	46.00	61.00	61.00	68.00	68.00	65.00	65.00	65.00	65.00	59.74	65.00	65.00	65.00	80.00	80.00	80.00	80.00	80.00	80.00
2.	Furnace oil (TK./ Lit)	26.00	26.00	26.00	42.00	60.00	60.00	60.00	60.00	42.00	42.00	42.00	42.00	34.46	53.00	59.00	62.00	62.00	60.00	63.00	67.00	74.00	74.00
3.	Natarul Gas (TK./ 1000 Cft)	73.91	79.82	79.82	79.82	79.82	79.82	79.82	79.82	79.82	84.65	89.46	126	126	126	126	126	126	126	126	126	126	142.15
4.	Coal (US $./ M Ton)	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	130.00	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 2022)

Information about present Grid Sub-station:

i) Summary of 400 kV HVDC Sub-station

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

ii) Summary of 400/230 kV Sub-station Information

S.N.	Circle Name	PGCB		APSCL/BIFPCL	
		No.'s of Sub-station	Capacity (MVA)	No.'s of Sub-station	Capacity (MVA)
01	Cumilla	1	1040	1	650
02	Dhaka(N)	2	2600	-	-
03	Dhaka(S)	1	1040	-	-
04	Khulna	-	-	1	520
	Total	**4**	**4680**	**2**	**1170**
	Grand Total	**6 No's**		**5,850 MVA**	

iii) Summary of 400/132 kV Sub-station Information

S.N.	Circle Name	PGCB	
		No.'s of Sub-station	Capacity (MVA)
01	Dhaka(N)	1	650
02	Khulna	2	1300
	Total	**3 No.'s**	**1,950 MVA**

iv) Summary of Grid Circle wise 230/132kV Sub-station

S.N.	Circle Name	PGCB		BPDB/APSCL	
		No.'s of Sub-station	Capacity (MVA)	No.'s of Sub-station	Capacity (MVA)
01	Bogura	4	2,100	-	-
02	Chattogram	3	1,800	-	-
03	Cumilla	2	1,050	1	**300**
04	Dhaka(N)	4	1,950	1	**250**
05	Dhaka(S)	8	4,725	-	-
06	HVDC	4	2,250	-	-
07	Khulna	2	1,350	-	-
	Total	**27**	**15,225**	**2**	**550**
	Grand Total	**29 No's**		**15,775 MVA**	

v) Summary of Grid Circle wise 230/33kV Sub-station

S.N.	Circle Name	PGCB		BPDB/Private	
		No.'s of Sub-station	Capacity (MVA)	No.'s of Sub-station	Capacity (MVA)
01	Chattogram	1	280	3	910
02	Khulna	-	140	1	60
	Total	1	420	4	**970**
	Grand Total	**5 No's**		**1,390 MVA**	

vi) 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	19	3139	2	136.6	7	415
03	Cumilla	18	3346	1	116	1	35
04	Dhaka(N)	21	5438	1	126	9	2490
05	Dhaka(S)	13	2575	-	-	19	3558
06	HVDC	10	1913	-	-	-	20
07	Khulna	20	3440	-	-	-	-
Total		**125**	**24820**	**4**	**379**	**36**	**6518**
Grand Total (MVA)		**165 No's**				**31,717 MVA**	

Signing of APA between Power Division and BPDB

BPDB Chairman Engr. Md Mahbubur Rahman addressed the officials of all levels at a virtual meeting on the first day of his assumption as Chairman BPDB.

Synopsis of Transmission Lines

(As of June 2022)

A. 400kV 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	327.1	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
9	Payra PP - Payra SS	1.2	2.4	Double	Twin Finch	1113 MCM
10	Banskhali-Madunaghat	55.36	110.72	Double	LL-Quad ACSR Finch	1113 MCM
11	LILO of Matarbari-Madunaghat	3.44	13.74	Four	LL-Quad ACSR Finch	1113 MCM
12	Monakosa-Rahanpur	29.83	59.65	Double	Quad ACSR Finch	1113 MCM
13	Rampal-Gopalganj	96.7	193.4	Double	Quad ACCC Finch	1113 MCM
Total		**743.37**	**1493.6**			

* Presently Operated at 230kV

** Presently Operated at 132kV

B. 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 & AAAC	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

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
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
43	LILO of Bheramara-Khulna (S) at Jhenaidah	1.97	7.87	Four	Twin Mallard	2x795 MCM
44	Sikalbaha-Hathazari	28.35	56.7	Double	Quad Mallard	4x795 MCM
45	Mongla- Khulna(S)	23.86	47.71	Double	Twin Mallard	2x795 MCM
46	Barishal(N)-Gopalganj	74.93	149.86	Double	Twin ACCC Mallard	2x795 MCM
47	Gopalganj-Faridpur	48.88	97.76	Double	Twin ACCC Mallard	2x795 MCM
Total		**1969**	**4017.84**			

C. 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	45.3	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	3.7	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-Baroirhat	63.3	126.512	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	2.3	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	ACCC 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	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	ACCC 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

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
50	Jashore-Jhenaidah	47.5	95	Double	AAAC	804 MCM
51	Jhenaidah-Kustia	43	86	Double	ACCC AAAC	804 MCM
52	Kustia-Bheramana	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	Barishal-Bhandaria	49	49	Single	HAWK	477 MCM
62	Bhandaria-Bagerhat	40	40	Single	HAWK	477 MCM
63	Bagerhat-Mongla	28	28	Single	HAWK	477 MCM
64	Barishal-Patuakhali	38.2	38.2	Single	HAWK	477 MCM
65	Bheramara-Faridpur	105	210	Double	ACCC HAWK	477 MCM
66	Faridpur-Madaripur	65.5	131	Double	HAWK	477 MCM
67	Madaripur-Barishal(N)	49	97	Double	HAWK	477 MCM
68	Barishal(N)-Barishal	10	20	Double	ACCC HAWK	477 MCM
69	Rajshahi-Natore	37	37	Single	HAWK	477 MCM
70	Ishwardi-Baghabari	63	63	Single	HAWK	477 MCM
71	Baghabari-Shahjadpur	5	5	Single	HAWK	477 MCM
72	Ishwardi-Pabna	18	18	Single	Grosbeak	636 MCM
73	Pabna-Shahjadpur	41	41	Single	Grosbeak	636 MCM
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/ACSR Grosbeak	636 MCM
81	Tongi-Mirpur	17	17	Single	ACCC Grosbeak	636 MCM
82	Tongi-Uttara	14.5	14.5	Single	ACCC Grosbeak	636 MCM
83	Uttara-Mirpur	8.5	8.5	Single	ACCC Grosbeak	636 MCM
84	Mirpur-Aminbazar	7	14	Double	ACCC 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	XLPE	500 sq.mm
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-Narinda	5	10	Double	Cu.Cable	240 sq.mm
102	Ullon-Dhanmondi	5.5	11	Double	Cu.Cable	240 sq.mm
103	Ullon-Dhanmondi	5.5	11	Double	XLPE	500 sq.mm
104	Tongi-Kabirpur	22.5	45	Double	Grosbeak	636 MCM
105	Kabirpur-Manikganj	32	64	Double	Grosbeak	636 MCM
106	Ullon-Rampura	4	8	Double	Grosbeak	636 MCM
107	Rampura-Bashundhara	8	16	Double	Grosbeak	636 MCM
108	Bashundhara-Tongi	11	22	Double	Grosbeak	636 MCM
109	Rampura-Moghbazar	4.5	9	Double	Grosbeak	636 MCM
110	Ghorasal-Joydevpur	28	56	Double	Grosbeak	636 MCM
111	Baghabari-Shahjadpur	5.5	5.5	Single	Grosbeak	636 MCM
112	Chandpur-Chowmuhani	68	136	Double	Grosbeak	636 MCM
113	Barapukuria-Rangpur	42	84	Double	Grosbeak	636 MCM
114	Barapukuria-Saidpur	36	72	Double	ACCC AAAC	636 MCM

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
115	Madaripur-Gopalganj	45	45	Single	AAAC	804 MCM
116	Khulna (C)-Khulna(S)	9	18	Double	Twin AAAC	37/4.176 mm.
117	Khulna(S)-Satkhira	47	94	Double	AAAC	804 MCM
118	Rajshahi-Natore	40	40	Single	Grosbeak	636 MCM
119	Rampura-Gulshan	3.3	6.6	Double	XLPE	800 sq.mm
120	Sikalbaha-Bakulia	4	8	Double	Grosbeak	636 MCM
121	Juldah-Shahmirpur	6	12	Double	Grosbeak	636 MCM
122	Khulshi-Bakulia	15	30	Double	Grosbeak	636 MCM
123	Haripur-Maniknagar	13	13	Single	Grosbeak	636 MCM
124	Joydevpur-Kodda PP	8	16	Double	Grosbeak	636 MCM
125	Kodda PP-Kabirpur	10	20	Double	Grosbeak	636 MCM
126	Sikalbaha-Shahmirpur	9	18	Double	Grosbeak	636 MCM
127	Khulshi-Halishahar	13	13	Single	Grosbeak	636 MCM
128	BoguraOld-BoguraNew	1.5	3	Double	Twin AAAC	37/4.176 mm.
129	Ashuganj-Shahjibazar	53	53	Single	Grosbeak	636 MCM
130	Khulna (S) -Gallamari	4.2	8.4	Double	Grosbeak	636 MCM
131	Naogaon-Niyamatpur	46	46	Single	AAAC	804 MCM
132	Aminbazar-Savar	15.8	31.6	Double	Grosbeak	636 MCM
133	Jhenaidah-Magura	26.5	53	Double	Grosbeak	636 MCM
134	Jhenaidah-Chuadanga	39.3	39.3	Single	Grosbeak	636 MCM
135	Naogaon-Joypurhat	46.2	46.2	Single	Grosbeak	636 MCM
136	Thakurgaon-Panchagarh	45	45	Single	AAAC	636 MCM
137	Sonargaon S/S to Megnaghat Rental PP	5	10	Double	Grosbeak	636 MCM
138	Shiddhirganj to Siddhirganj Dutch Bangla PP	2.4	2.4	Single	Grosbeak	636 MCM
139	Goalpara-Khulna ©	2.4	2.4	Single	XLPE	637 MCM
140	Noapara PP to Noapara Ss	1.6	1.6	Single	Grosbeak	638 MCM
141	Daudkandi PP to Daudkandi ss	1.3	1.3	Single	Grosbeak	639 MCM
142	Gopalganj PP to Gopalganj ss	1.2	1.2	Single	Grosbeak	640 MCM
143	Shiddhirganj desh energy PP to Siddhirganj ss	2.5	2.5	Single	Grosbeak	641 MCM
144	Faridpur PP to Faridpur -Bheramara	1	1	Single	Grosbeak	642 MCM
145	Bera PP to Baghabari -Ishwardi line	4.5	4.5	Single	Grosbeak	643 MCM
146	Amnura PP to Rajshahi-Chapai	12.6	12.6	Single	Grosbeak	644 MCM
147	Madanganj-Munsiganj	4	8	Double	Grosbeak	645 MCM
148	Old Airport-Cantonment	7	13.98	Double	XLPE	800 sq.mm
149	Fenchuganj- Kulaura	25	50	Double	Grosbeak	636 MCM
150	Jamalpur- Sherpur	20	40	Double	Grosbeak	636 MCM
151	Old Airport-Sajmasjid	8.3	16.588	Double	XLPE	800 sq.mm
152	Rampura-Madertek	4.5	9	Double	XLPE	500 sq.mm
153	Cumilla(N)- Cumilla(S)	19	38	Double	Grosbeak	636 MCM
154	Goalpara-Bagerhat	45	90	Double	Grosbeak	636 MCM
155	LILO of Kabirpur-Tangail at Kaliakoir	4.3	17.12	Four	ACCC/ACSR Grosbeak	636 MCM
156	Tangail-RPCL	93.4	186.88	Double	Grosbeak	636 MCM
157	Amnura-Chapai Nawabganj	12.6	12.6	Single	Grosbeak	636 MCM
158	Kaliakoir-Dhamrai	22.7	45.46	Double	Grosbeak	636 MCM
159	Rangamati-Khagrachari	52.3	104.6	Double	Grosbeak	636 MCM
160	Chandraghona-Rangamati	27.7	55.4	Double	Grosbeak	636 MCM
161	Chhatak-Sunamganj	32.1	64.1	Double	Grosbeak	636 MCM
162	Beanibazar-Sylhet T-Connection	30	60	Double	Grosbeak	636 MCM
163	LILO of Tongi-Mirpur Single circuit at Uttara 3P	1.1	2.2	Single	XLPE	800sq
164	T-connection from Dohazari-Cox's Bazar to Matarbari	18.1	18.1	Single	Grosbeak	636 MCM
165	Feni- Baroirhat	28.4	56.9	Double	ACCC Grosbeak	636 MCM
166	Brahmanbaria-Narsingdi	54.8	109.6	Double	Grosbeak	636 MCM
167	Saidpur-Jaldhaka	30	59.902	Double	Grosbeak	636 MCM
168	RNPP-Ishurdi	7	14	Double	Grosbeak	636 MCM
169	Confedence PP - Bogura 230kV	7.9	15.7	Double	Grosbeak	637 MCM
170	LILO of Jamalpur-Sherpur at United PP	3.3	13.36	Four	Grosbeak	638 MCM
171	LILO of Goalpara-Bagerhat single circuit at Labanchora PP	6.2	12.3	Double	Grosbeak	639 MCM
172	Mymensingh-Bhaluka	43	86	Double	Grosbeak	636 MCM
173	LILO of Bogura-Palashbari at Mahasthangarh	0.7	1.36	Double	Grosbeak	636 MCM
174	Modhumati PP - Gopalganj	14.6	14.6	Single	Grosbeak	636 MCM
175	Jashore-Benapole	30.5	60.936	Double	Grosbeak	636 MCM
176	Madaripur-Shariatpur	22	44	Double	Grosbeak	636 MCM

Sl. No.	Name of Lines	Length in Route Kilometers	Length in Ckt. Kilometers	No. of Ckt.	Conductor	
					Name	Size
177	LILO of Shyampur-Haripur at Shyampur	0.2	0.792	Four	Grosbeak	636 MCM
178	Rangpur-Kurigram	40.95	40.949	Single	Grosbeak	636 MCM
179	Magura-Narail	39.486	78.972	Double	Grosbeak	636 MCM
180	LILO of Bogura-Sirajganj at Sherpur (Bogura)	0.654	2.616	Four	Grosbeak	636 MCM
181	LILO of Rajshahi-Chapai-Nawabganj-Amnura at Rajshahi (N)	0.406	1.624	Four	Grosbeak	636 MCM
182	Rampura-Aftabnagar	3.66	7.32	Double	XLPE	800sq
183	LILO of Feni-Cumilla(N) at Chowddagram	0.788	3.152	Four	Grosbeak	636 MCM
184	LILO of Faridpur-Madaripur line at Gopalganj(N)	1.53	6.12	Four	ACCC Grosbeak	636 MCM
185	LILO of Gopalanj-Madaripur line at Gopalganj(N)	10.5	42	Four	Grosbeak	636 MCM
186	Kodda - Rajendrapur	24.7	49.4	Double	ACCC Grosbeak	636 MCM
187	LILO of Rangpur-Palashbari at Confidence PP	1.47	5.88	Four	AAAC	636 MCM
188	LILO of Khulshi - Halishahar at Rampur	2.775	5.55	Four	XLPE	800sq
189	Rampur-Agrabad	4.54	9.08	Double	XLPE	800sq
190	Keraniganj-Sreenagar	15.854	31.708	Double	Grosbeak	636 MCM
191	Keraniganj-Nawabganj	27.076	54.152	Double	Grosbeak	636 MCM
192	LILO of Shyampur-Haripur at Fatullah	0.9	3.6	Double	XLPE	800sq
193	DU- Dhanmondi	2.1	4.2	Double	XLPE	500sq
194	Baghabar- SS	28.57	57.14	Double	Grosbeak	636 MCM
195	Baghabari-Bangura	24.84	49.68	Double	Grosbeak	636 MCM
196	Bakerganj-Barguna	50.22	50.22	Single	Grosbeak	636 MCM
197	Gallamari- Gopalganj	51.8	103.6	Double	Grosbeak	636 MCM
198	Gopalganj - Madaripur 2nd Ckt	45	45	Single	Grosbeak	636 MCM
199	LILI of Rangpur-Palashbari line at Mithapukur	0.55	2.2	Four	Grosbeak	636 MCM
200	Maniknagar-Kazla	2.5	5	Double	XLPE	800sq
201	Hasnabad-Keraniganj PP line re-routing at Keraniganj	2.8	11.2	Four	Grosbeak	636 MCM
202	Purbachal-Basundhara	4.731	9.462	Double	XLPE	800sq
203	Banani-Basundhara	13.293	26.586	Double	XLPE	800sq
204	LILO of Bhermara-Fardipur at Rajbari	1.144	4.576	Four	Grosbeak	636 MCM
205	S/c LILO of Jhenaidah- Chuadanga at Jhenaidah	2.915	5.83	Double	Grosbeak	636 MCM
206	Keraniganj-Lalbagh& Kamrangirchar four circuit	3.124	12.496	Four	Grosbeak	636 MCM
207	Tongi-Tongi-3 (Mill Gate)	2.612	5.224	Double	XLPE	800sq
208	LILO of Jashore-Jhenaidah d/c line at Jhenaidah	0.366	1.464	Four	Grosbeak	636 MCM
209	Manaknagar-Motijheel	2.1	4.2	Double	XLPE	800sq
210	Motijheel-Bangabhaban	0.55	1.1	Double	XLPE	800sq
211	Madanganj-Char Saidpur	3.1	6.2	Double	Mallard+XLPE	800sq
212	Kamrangirchar-Zigatola	7	14	Double	XLPE	800sq
213	Energaon-Mongla	8.92	8.92	Single	Grosbeak	636 MCM
214	Hasnabad-Postogola	2	4	Double	XLPE	800sq
215	Bashundhara-Purbachal	5.636	11.272	Double	XLPE	800sq
216	Chapai Nawabganj-Rahanpur	25.876	51.752	Single	ACCC Grosbeak	636 MCM
217	LILO of Madunaghat-Khulshi at Sholoshahar	0.15	0.3	Single	XLPE	800sq
218	Madunaghat-Kalurghat	7.096	14.192	Double	XLPE	800sq
219	Khulshi-Halishahar LILO at Rampur	2.68	5.36	Single	XLPE	800sq
Total		**4944.742**	**8377.247**			

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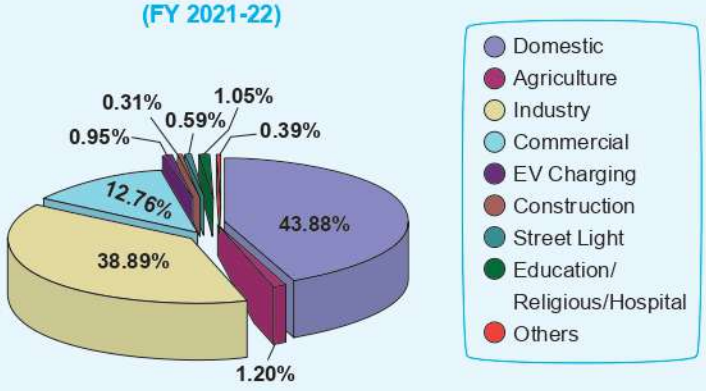
DISTRIBUTION TABLES AND CHARTS

Distribution Zone Wise Energy Import and Energy Sales Statistics of BPDB

Distribution Zone's Name	Energy Imported (MkWh)		Energy Sold (MkWh)		System loss (%)		
	2020-21	2021-22	2020-21	2021-22	2020-21	2021-22	% Change over previous year
Mymenshing	2372.60	2509.39	2145.73	2274.58	9.56	9.36	-2.14
Chattogram	4506.39	4715.51	4187.08	4397.81	7.09	6.74	-4.92
Cumilla	1759.56	1841.96	1591.24	1669.61	9.57	9.36	-2.19
Sylhet	1006.49	1048.10	900.92	954.00	10.49	8.98	-14.40
Others (132kV & Power Station)	2664.00	2899.67	2663.73	2899.38	0.010	0.010	-1.32
Total	**12309.04**	**13014.63**	**11488.70**	**12195.38**	**6.66**	**6.29**	**-5.55**

Consumption Pattern of BPDB

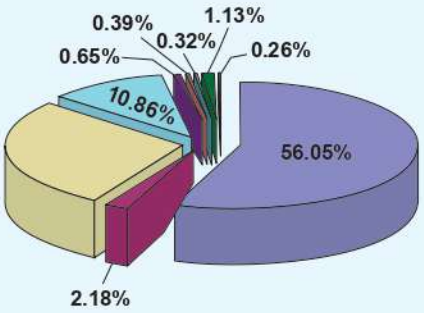
(FY 2021-22)



Total Retail Consumption : 12,195 MkWh

Consumption Pattern of the Country

(FY 2021-22)



Total Retail Consumption : 76,667 MkWh

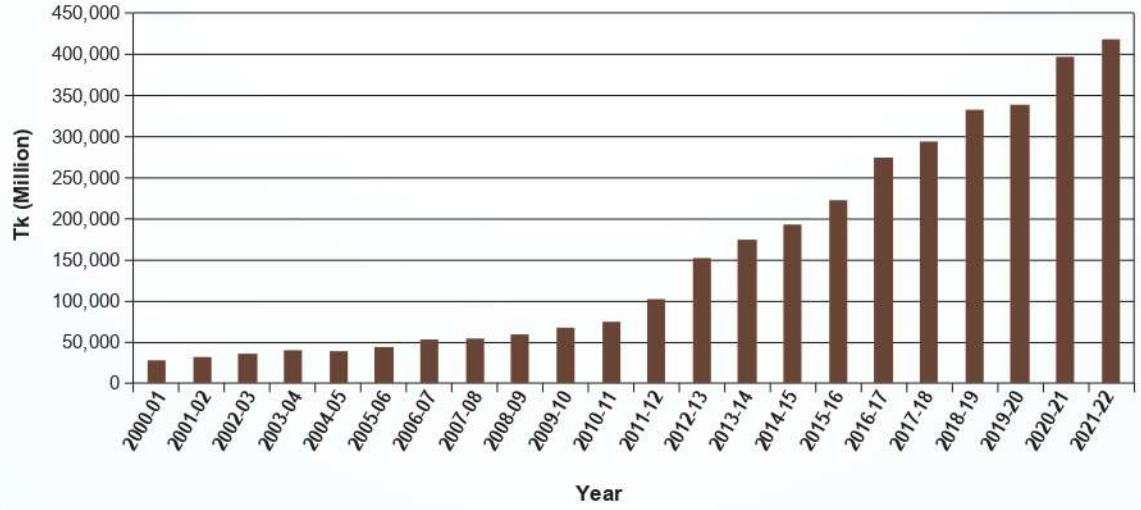
Distribution Zone Wise Billing & Collection Statistics of BPDB

Distribution Zone's Name	Billed Amount (Million Tk)		Collected Amount (Million Tk)		Accounts Receivable (Million Tk)			Coll/Bill Ratio (%)		C/I Ratio (%)	
	2020-21	2021-22	2020-21	2021-22	2020-21	2021-22	% increase over the previous year	2020-21	2021-22	2020-21	2021-22
Mymenshing	13,526	13,790	13,822	14,251	5,536	4,480	-19.08	102.19	103.34	92.42	93.67
Chattogram	30,630	31,920	31,397	32,274	3,494	3,124	-10.60	102.50	101.11	95.24	94.29
Cumilla	10,923	11,642	11,175	11,674	2,067	1,988	-3.80	102.31	100.28	92.52	90.89
Sylhet	6,328	6,663	6,793	6,997	1,878	1,548	-17.57	107.36	105.01	96.09	95.58
Others (132kV & Power Station)	21,735	24,281	21,713	24,400	2,490	2,377	-4.55	99.90	100.49	99.89	100.48
Total	**83,141**	**88,297**	**84,899**	**89,596**	**15,466**	**13,517**	**-12.60**	**102.11**	**101.47**	**95.31**	**95.08**

Revenue Collection (Utility)

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
2021-2022	418,075	5.15

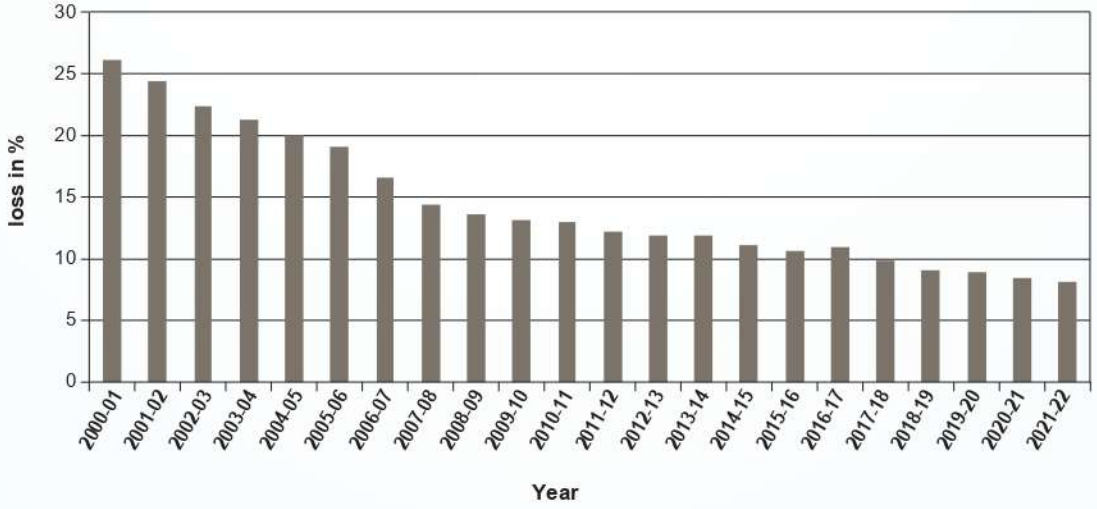
Net Revenue Collection



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	24.50
2002-03	22.35
2003-04	21.33
2004-05	20.00
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
2021-22	8.10

Distribution System Loss



Category Wise Consumer Growth

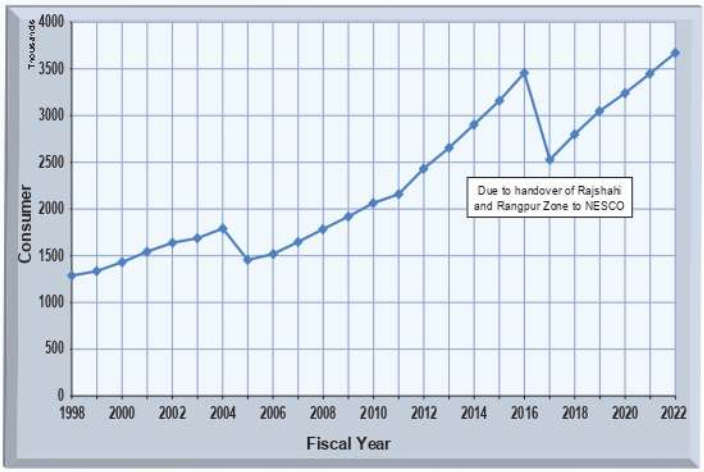
In Nos.

Year	Domestic	Agriculture	Small Industrial	Small Commercial	Large Inds. & Comm.	BREB	DPDC/ Others	DESCO	WZPDCL	NESCO	Others	Total	% Increase Over the Preceeding Year
	LT-A	LT-B	LT-C1+ LT-C2	LT-E+ LT-Tem	MT-1+MT-2+ MT-3+MT-4+ MT-5+MT-6+ EHT-1+EHT-2+ HT-1+HT-2+ HT-3+HT-4	I1	G1	I2	I3	I5	LT-D1+ LT-D2+ LT-D3		
1998-99	963,319	17,142	43,742	287,636	1,753	178	1	-	-	-	23,099	1,336,870	3.34
1999-00	1,043,977	17,872	44,793	299,896	1,806	179	1	-	-	-	24,293	1,432,817	7.18
2000-01	1,134,074	18,293	45,816	316,629	1,895	182	1	-	-	-	25,760	1,542,650	7.67
2001-02	1,221,324	17,215	46,068	331,224	2,004	199	1	-	-	-	26,720	1,644,755	6.62
2002-03	1,270,727	15,084	44,432	331,997	2,043	212	1	-	-	-	25,955	1,690,451	2.78
2003-04	1,359,724	14,284	44,018	347,635	2183+3	246	1	1	-	-	26,863	1,792,772	6.05
2004-05	1,114,679	12,484	34,472	273,957	1,870	266	1	1	1	-	21,593	1,459,324	-18.60
2005-06	1,165,265	14,911	34,574	280,079	2,013	275	1	1	1	-	21,771	1,518,891	4.08
2006-07	1,272,144	17,693	35,561	297,213	2,167	184	1	1	1	-	23,446	1,648,411	8.53
2007-08	1,385,424	21,191	37,065	312,041	2,303	185	1	1	1	-	25,083	1,783,295	8.18
2008-09	1,495,195	25,175	39,114	333,818	2,538	70	1	1	1	-	26,333	1,922,246	7.79
2009-10	1,621,596	28,724	40,903	345,605	2,694	70	1	1	1	-	27,628	2,067,223	7.54
2010-11	1,704,936	30,523	41,607	351,673	2,852	70	1	1	1	-	27,846	2,159,510	4.46
2011-12	1,947,827	36,506	43,241	372,245	3,190	70	1	1	1	-	28,973	2,432,055	12.62
2012-13	2,146,940	39,810	44,809	386,947	3,472	70	1	1	1	-	31,968	2,654,019	9.13
2013-14	2,378,278	45,042	45,792	396,776	3,788	71	1	1	1	-	31,559	2,901,309	9.32
2014-15	2,606,764	49,937	47,215	416,197	4,134	71	1	1	1	-	32,783	3,157,104	8.82
2015-16	2,868,941	54,952	48,764	444,140	4,483	82	1	1	1	-	35,899	3,457,264	9.51
2016-17	2,111,564	32,951	31,396	321,931	3,525	84	1	1	1	1	25,227	2,526,682	-26.92 ☆
2017-18	2,360,627	34,807	38,041	336,526	3,861	85	1	1	1	1	28,000	2,801,951	10.89
2018-18	2,573,705	35,727	39,129	361,479	4,228	84	1	1	1	1	31,901	3,046,257	8.72
2019-20	2,749,620	36,922	42,022	369,081	4,523	80	1	1	1	1	34,634	3,236,886	6.26
2020-21	2,935,953	36,421	44,212	391,289	4,860	81	1	1	1	1	38,714	3,451,534	6.63
2021-22	3,128,923	37,824	47,205	409,637	5,196	81	1	1	1	1	41,946	3,670,816	6.35

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 = BREB/PBS
J = Street light and water pump

☆ Due To Handover Rajshahi and Rangpur zone to NESCO.

Trends of Consumer Growth



Electrification of Thanas, 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	1,592	33,982
2020-21**	204	6,470	1,792	37,371
2021-22**	214	7,029	1,848	36,839

* Excluding DPDC, DESCO, WZPDCO & BREB

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

Total Electrified Areas & Consumer Numbers of BPDB

(As of June 2022)

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	4	8	0	8	0
3	S&D Stadium	3	3	0	5	3
4	S&D Bakalia	5	5	0	10	0
5	S& D Madarbari	3	4	0	5	0
6	S&D Sholoshahar	3	4	0	9	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	1	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
	Sandwip Electric Spply	1	14	14	19	3
14	S&D Barabkund	1	37	90	32	2
15	S&D Hathazari	1	26	40	17	24
16	S&D Mohora	2	24	39	22	20
O & M Circle, Chatta-Metro (South)						
17	Distribution Division Patya	6	78	233	62	280
	Distribution Division Cox's Bazar	1	12	20	9	94
	Ramu Electric Spply	2	60	178	16	302
18	Lama Electric Spply	2	50	330	15	82
	Chakaria Electric Spply	2	51	105	25	310
	Kutubdia Electric Spply	1	18	7	4	6
O & M Circle, Rangamati						
19	Distribution division Khagrachari	12	227	950	148	209
20	Distribution division Rangamati	8	99	258	28	35
21	Distribution division Bandarban	4	110	445	39	17
Sub Total		**85**	**867**	**2730**	**522**	**1393**
Cumilla Zone						
O & M, Cumilla						
1	S&D-1, Cumilla	3	20	97	23	76
	Burichang E/S	2	3	64	11	98
2	S&D-2 Cumilla	2	7	120	32	31
	Chauddagram E/S	1	9	71	8	153
3	S & D-3. Cumilla	2	10	72	7	149
4	S & D, Daulatganj	1	5	27	6	678
5	S & D Chandpur	1	15	25	13	4
6	S & D, B-Baria-1	3	6	77	19	851
7	S & D, B-Baria-2	2	4	21	8	430
8	S & D, Ashuganj	1	3	11	7	137
9	S & D, Sarail	1	3	17	7	615

Sl. No.	Name of Divi./ESU	Total Electrified Area				
		Thana/ Upazila	Ward	Village	Hat / Bazar	Deep, Shallow & Low Fit Pump
O & M, Noakhali						
10	S&D-Maijdee	3	14	37	25	65
	Hatiya E/S	1	6	20	16	0
11	S & D, Chaumuhini	1	12	19	8	0
12	S&D-Feni	2	18	20	5	107
	Bashurhat E/S	1	3	4	3	152
13	S&D-Laxmipur	1	12	12	4	111
	Sub Total	**28**	**150**	**714**	**202**	**3657**
Mymensingh Zone						
O & M Circle-1, Mymensingh						
1	S & D -1, Mymensingh	1	33	261	58	211
	Dapunia ESU, Mymensingh	1	18	15	6	198
	Fulbaria ESU, Mymensingh	1	23	17	8	252
2	S & D -2, Mymensingh	3	75	99	34	967
3	S & D, Trishal	1	32	80	28	872
4	S & D, Bhaluka	2	23	74	32	1062
5	S & D, Goffargaon	3	136	219	34	1488
O & M Circle-2, Mymensingh						
6	S & D -3, Mymensingh	4	20	45	42	2134
	Gouripur ESU, Mymensingh	2	20	30	20	1364
	Ishwarganj ESU, Mymensingh	2	22	35	21	634
7	S & D, Fulpur	2	103	190	48	1391
	Haluaghat ESU, Mymensingh	1	50	75	20	545
8	S & D, Netrakona	2	9	20	10	1955
9	S & D, Kishoreganj	1	25	60	23	430
10	S & D, Bajitpur	3	15	78	28	399
11	S & D, Bhairab	1	34	97	35	196
	Shimulkandi ESU, Kishoreganj	1	28	40	10	285
	Kuliarchar ESU, Kishoreganj	1	22	27	12	348
O & M Circle, Jamalpur						
12	S & D, Jamalpur	4	23	55	21	2048
13	S & D, Sharishabari	3	12	39	8	2557
14	S & D, Sherpur	1	9	28	23	1752
	Nakla ESU, Sherpur	1	9	20	10	405
	Nalitabari ESU, Sherpur	1	9	22	11	291
	Jinaigati ESU, Sherpur	1	0	42	25	443
	Sribordi ESU, Sherpur	1	9	36	9	434
O & M Circle, Tangail						
15	S & D-1, Tangail	6	30	107	28	203
16	S & D-2, Tangail	3	120	165	80	2530
17	S & D-3, Tangail	2	10	60	15	1716
18	S & D, Bhuapur	4	73	142	41	1383
19	S & D, Kalihati	2	20	77	33	1402
20	S & D, Ghatail	2	28	42	40	895
21	S & D, Shakhipur	8	29	123	55	726
	Sub Total	**71**	**1069**	**2420**	**868**	**31516**

Sl. No.	Name of Divi./ESU	Total Electrified Area				
		Thana/ Upazila	Ward	Village	Hat / Bazar	Deep, Shallow & Low Fit Pump
Sylhet Zone						
O & M Circle, Sylhet						
1	S&D-1, PDB, Sylhet	1	15	23	24	1
2	S&D-2, PDB, Sylhet	1	13	11	22	0
3	S&D-3, PDB, Sylhet	3	3	102	6	1
	Jagannathpur Electric Supply, PDB, Sunamganj	1	9	135	16	17
4	S&D-4, PDB, Sylhet	2	33	103	25	15
5	S&D-5, PDB, Sylhet	2	0	103	24	3
	Jaintapur Electric Supply, PDB, Sylhet	3	38	70	16	12
6	S&D, PDB, Sunamganj	3	31	114	34	10
	Derai Electric Supply, PDB, Sunamganj	3	15	47	10	12
7	S&D-Chatak, PDB, Sunamganj	2	189	140	17	138
O & M Circle, Moulavibazar						
8	S&D, PDB, Moulvibazar	1	9	18	5	5
9	S&D, PDB, Habiganj	3	9	32	10	59
10	S&D-Kulaura, PDB, Moulvibazar	3	63	103	25	0
	Juri ESU	2	41	164	22	0
	Sub Total	**30**	**468**	**1165**	**256**	**273**
	Total	**214**	**2554**	**7029**	**1848**	**36839**

Adviser to the Hon'ble Prime Minister Dr. Tawfiq-e-Elahi Chowdhury Bir Bikram, State Minister for Power, Energy & Mineral Resources Mr. Nasrul Hamid MP, Secretary, Power Division, Mr. Md. Habibur Rahman, Chairman, BPDB Engr Md Mahbubur Rahman and senior officials of Power Division were virtually connected to the inaugural program of five power plants inaugurated by the Hon'ble Prime Minister Sheikh Hasina through video conferencing from Ganabhaban on September 12, 2021.

3rd meeting of Bangladesh-Nepal Joint Steering Commitee on Power Sector Cooperation was held through video conferencing on September 14, 2021.

Synopsis of Distribution Lines of BPDB

(As of June 2022)

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 Kalurghat	KALURGHAT 33/11 kv S/S	23	54	78
		MURADPUR 33/11 kv S/S	18	30	51
		FIDC 33/11 kv S/S	1.5	4	0
2	S&D Patharghata	Patharghata 33/11KV	19	58	81
3	S&D Stadium	Stadium 33/11 KV	31	73	85
		Rahmatganj 33/11 KV	10	10	15
4	S&D Bakalia	33/11kV Bakalia S/S	0	65	119
		33/11kV Kolpolok S/S	19	60	101
5	S& D Madarbari	Madarbari 33/11 KV S/S	9	61	121
		Banglabazar 33/11 KV S/S	3.6	7	12
6	S&D Sholoshahar	oxyzen 33/11 KV S/S	10	31	59
		sholoshahar 33/11KV S/S	42	71	91
	O & M Circle, Chatta-Metro (West)				
7	S&D Agrabad	AGRABAD 33/11 KV S/S	39	47	85
		MONSURABAD 33/11 KV S/S	16	17	43
		BANGLABAZAR 33/11 KV S/S	0	10	25
8	S&D Halishahar	Halishahar 33/11 kv S/S	35	63	78
		Potenga 33/11 kv S/S	10	51	77
9	S&D Newmooring	Newmooring 33/11 kv S/S	19	111	137
		Anandabazar 33/11 kv S/S	10	35	60
10	S&D Pahartoli	Pahartali 33/11 kv S/S	12	115	130
		Kattali 33/11 kv S/S	19	51	57
11	S&D Rampur	Rampur 33/11 kv S/S	28	78	118
12	S&D Khulshi	Khulshi 33/11 kv S/S	1	35	46
		Jalalabad 33/11 kv S/S	29	31	48
		Arefin Nagor33/11 kv S/S	13	26	0
	O & M Circle, Chatta-Metro (North)				
13	S&D Fouzderhat	Baro-Aulia 33/11 kv S/S	42	76	47
		Fouzderhat 33/11 kv S/S	20	82	81
		Madambibirhat 33/11 kv S/S	23	0	0
	Sandwip Electric Supply	Anamnahar 33/11 kv S/S	45	77	95
		Taltoli 33/11 kv S/S	7	32	41
14	S&D Barabkundu	BARABKUNDA-33/11 kv S/S	48	137	194
15	S&D Hathazari	Kolabagan 33/11 kv S/S	3	167	259
		Foteyavad 33/11 kv S/S	6		
16	S&D Mohra	Mohora 33/11 kv S/S	26	181	239
		Ananya 33/11 kv S/S	8	21	34
		Rangunia 33/11 kv S/S	3	5	0
		Modunaghat 33/11 kv S/S	5	0	0
	O & M Circle, Chatta-Metro (South)				
17	Distribution Divivsion Patya	Patiya 33/11 kv S/S	0	65	81
		Fishharbor 33/11 kv S/S	0	40	50
		Sikalbaha 33/11 kv S/S	79	50	60
		Moizzertek 33/11 kv S/S	0	10	0
		Julda 33/11 kv S/S	25	20	30
		Shamirpur 33/11 kv S/S	28	0	0
		Dohazari33/11 kv S/S	20	75	121
		Satkania 33/11 kv S/S	15	43	84
	Distribution Divivsion Cox's Bazar	Jhilongja 33/11 kv S/S	0	71	53
		Kolatoli 33/11 kv S/S	10	77	59
		Motel Road 33/11 kv S/S	7	31	44

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)
18	Ramu Electric Supply	Ramu 33/11 kv S/S	10	56	48
		Naikhonchari 33/11 kv S/S	22	63	54
	Lama Electric Supply	Lama 33/11 kv S/S	28	58	98
		Alikadam 33/11 kv S/S	23	81	141
	Chakaria Electric Supply	Chakaria 33/11 kv S/S	65	81	129
		Aziznagor33/11 kv S/S	65	70	90
	Kutubdia Electric Supply	Kutubdia 33/11 kv S/S	0	8	16
	O & M Circle, Rangamati				
19	Distribution Division Khagrachari	Khagrachari Sadar 33/11KV	15	121	244
		Takurchari 33/11KV			
	Panchari Electric Supply	Panchari 33/11KV	25	100	165
	Dighinala Electric Supply	Dighinala 33/11KV	93	162	230
		Longudu 33/11KV			
	Matiranga Electric Supply	Matiranga 33/11KV	40	101	181
		Jaliapara 33/11KV			
	Mohalchari Electric Supply	Mohalchari 33/11KV	105	137	161
		Naniarchar 33/11KV			
	Manikchari Electric Supply	Manikchari 33/11KV	83	84	118
		Laxmichari 33/11KV			
	Ramgarh Electric Supply	Ramgarh 33/11KV	85	78	101
20	Dist. Divn. Rangamati	Vedvedi 33/11 KV	6	87	181
		Majerbosti 33/11 KV	14	94	161
		Kawkhali 33/11 KV	14	48	61
		Ghagra 33/11 KV	0	105	139
		Kaptai Academy 33/11 KV	0	62	51
		Kaptai 132/11 KV	20	80	85
		Bangalhalia 33/11 KV	20	59	81
		Marishya 33/11 KV	28	84	114
		Bilaichori 33/11 KV	35	48	51
		Jurachori 33/11 KV	25	41	61
21	Distribution Division-Bandarban	Bandarban 33/11 KV	58	110	105
		Kachinghata 33/11 KV	6	200	233
		Nilachol 33/11 KV	0	41	78
	Thanci Electric Supply	Y-Junction 33/11 KV	18	20	10
	Rowanchori Electric Supply	Boli Para/Thanci 33/11 KV	50	55	15
	Ruma Electric Supply	Rowanchori 33/11 KV	18	63	65
		Ruma 33/11 KV	24	69	43
Sub Total			**1831**	**4920**	**6598**
	Cumilla Zone				
	O & M Circle, Cumilla				
1	S & D- 1, Cumilla	Horindora	18.0	0.0	0.0
		Kotbari	19	49	101
		Kaliajuri	48	140	252
	Burichang E/S	Palpara	9	54	140
2	S & D- 2, Cumilla	Balutupa	37	140	260
	Chouddagram E/S	Chouddagram	38	55	101
3	S & D- 3, Cumilla	Jangalia	25	140	290
4	S & D , Daulatganj	Daulatgonj	35	50	175
5	S & D, Chandpur	Balur Math	1	45	140
		Puran Bazar	4	36	120
6	S & D, B. Baria-1	Datiara	0	80	140
7	S & D, B. Baria-2	Ghatura	16	59	100
8	S & D, Ashuganj	Kalabagan	11	65	130
9	S & D, Sarail	Shahbazpur	16	65	270
		Kuttapara	12	45	

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, Noakhali				
10	S&D-Maijdee	Maijdee	10	45	95
		Datterhat	20	90	201
	Hatya E/S	Hatya	0	55	35
11	S & D Chowmuhani	Chamuhani	0	120	230
12	S & D, Laxmipur	Laxmipur	35	75	180
13	S&D. Feni	Mohipal	65	85	300
		Sultanpur	15	75	
	Bosurhat E/S	Dagonbuyan	13	19	65
		Bashurhat	12	30	110
Sub Total			**458**	**1617**	**3435**
	Central Zone, Mymensingh				
	O & M Circle-1, Mymensingh				
1	S & D -1, Mymensingh	Akua	15	102	84
		Batirkal	18	34	72
	Dapunia ESU, Mymensingh	--	0	42	63
	Fulbaria ESU, Mymensingh	--	0	51	64
2	S & D -2, Mymensingh	Kewatkhali	0	251	235
		Digarkanda (bypass)	5	102	169
3	S & D, Trishal	Trishal	44	156	138
4	S & D, Bhaluka	Bhaluka	6	105	171
5	S & D, Goffargaon	Gaffargaon	68	111	185
		Maijbari	12	82	115
		Balipara	17	35	53
	O & M Circle-2, Mymensingh				
6	S & D -3, Mymensingh	Shambhuganj	11	89	155
	Gouripur ESU, Mymensingh	Gouripur	22	98	115
	Ishwarganj ESU, Mymensingh	Ishwarganj	24	70	78
7	S & D, Fulpur	Fulpur	39	115	225
	Haluaghat ESU, Mymensingh	Haluaghat	45	135	152
8	S & D, Netrakona	Netrakona	12	92	181
9	S & D, Kishoreganj	Jashodol	0	130	155
		Mollapara	11	70	85
10	S & D, Bajitpur	Sararchar	55	145	180
11	S & D, Bhairab	Bhairab	15	84	128
	Shimulkandi ESU	--	0	40	62
	Kuliarchar ESU	Kuliarchar	18	31	41
	O & M Circle, Jamaplur				
12	S & D, Jamalpur	Bojrapur	40	48	65
		Shekhervita	23	135	150
		Shahapur	5	58	119
13	S & D, Sharishabari	Sharishabari	36	118	110
14	S & D, Sherpur	Sherpur	56	130	222
	Nakla ESU, Sherpur	Nakla	12	51	93
	Nalitabari ESU, Sherpur	Nalitabari	10	50	100
	Jinaigati ESU, Sherpur	Jinaigati	27	55	110
	Sribordi ESU, Sherpur	Sribordi	27	40	105
	O & M Circle, Tangail				
13	S & D-1, Tangail	Betka	41	110	220
		Boilla	0	60	140
14	S & D-2, Tangail	Kachuadanga	11	245	621
15	S & D-3, Tangail	Elenga	11	87	180
16	S & D, Bhuapur	Bhuapur	30	210	384
17	S & D, Kalihati	Kalihati	22	107	433

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)
18	S & D, Ghatail	Ghatail	30	191	380
		Cantonment	5	0	0
19	S & D, Shakhipur	Shakhipur-bhaluka grid	35	180	383
		Shakhipur-Tangail grid	40	-	-
		Nalua-shakhipur	10	105	191
		Kutubpur	18	91	135
Sub Total			**926**	**4241**	**7047**
	Sylhet Zone				
	O & M Circle, Sylhet				
1	S & D -1	Ambarkhana	7	195	375
		Shekhghat	5	75	152
2	S & D- 2	Upshahar	23	110	258
		MC Collage	8	31	64
		Ring Feeder	6	0	0
3	S & D- 3	Boroikandi	7	117	310
		Gotatikor		90	
	Jogonnathpur E/S	Jogonnathpur	48	150	284
4	S & D- 4	Kumargaon	0	245	540
		Shajalal	0.5	100	180
5	S & D - 5	Botesshor-1	35	119	240
		Botesshor-2 (GIS)			
	Jaintapur E/S	Jaintapur	30	110	310
6	S & D Sunamgonj	Sunamgonj	65	91	195
	Derai E/S	Derai	33	100	190
7	S&D Chatak	Chatak	7	170	258
		Jawa bazar	78	87	140
	O & M Circle, Moulovibazar				
8	Dist. Div. Moulvibazar	Bajbari	34	45	60
		Shamostafa	68	73	104
9	S & D Hobigonj	Hobigonj (Old)	30	99	501
		second source	25	0	0
10	S & D Kulaura	Juri	100	75	150
		kulaura (new)	0	190	600
Sub Total			**610**	**2272**	**4911**
Total			**3824**	**13050**	**21991**

In order to establish SCADA system in four distribution zones at BPDB, a meeting between BPDB and Consultancy Firm, Hifab OY, Finland was held on September 7, 2021 at Bidyut Bhaban.

33/11 KV Substations of BPDB

(As of June 2022)

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	3×16/20	36.0
2	S&D Stadium	Stadium	2X16/20	45.00
			1X20/26	
		Rahmatganj	2X20/26	20.00
3	S&D Sholoshahar	Sholoshahar	2x16	20.00
			1x20/26	
		Oxygen	2x20/26	14.00
4	S&D Kalurghat	Kalurghat	1 x 16	30.00
			2 x 16/20	
		Muradpur	3x 16/20	38.00
		FIDC	2 x 20/26	7.00
5	S&D Bakalia	Bakalia	3x16/20	18.00
		Kolpolok	2 x 20/26	16.00
6	S&D Madarbari	Madarbari	2x16/20	20.00
		Banglabazar	2x20/26	14.00
	O & M Circle, Chatta-Metro (West)			
7	S&D Agrabad	Agrabad	2x16/20	35.00
			1x20/26	
		Monsurabad	2x20/26	25.00
8	S&D Khulshi	Jalalabad	3x20/26	57.00
			1x16/20	
		Khulshi	2x20/26	42.00
			2X16/20	
		Arefin Nagar	2x20/26	5.00
9	S&D Halishor	Haliasahar	2X16/20	28.00
		Potenga	2X16/20	14.00
10	S&D Pahartali	Pahartali	1X20/26	39.00
			2X16/20	
		Kattali	2x20/26	10.00
11	S&D Rampur	Rampur	2X20/26	42.00
			2X16/20	
12	S&D Newmooring	Anandobazar	2X20/26	8.00
		Newmooring	3X16/20	36.00
	O & M Circle, Chatta-Metro (North)			
13	S&D Fouzdarhat	Fouzderhat	2x16/20	25.00
		Baro-aulia	1x16/20	45.00
			1x20/26	
		Madambibirhat	2x20/26	5.00
14	S&D Barabkund	Barabkunda	2×16/20	25.00
	Sandwip Electric Supply	Anamnahar	2x5/6.67	4.50
		Taltoli	2x5/6.67	2.50
15	S&D Hathazari	Kolabagan	2×16/20	35.00
		Foteyabad	2×10/13.3	15.00
16	S&D Mohora	Mohora	2x16/20	24.00
		Rangunia sub-station	1x5	2.50
		Ananya	2x20/26	12.00

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
	O & M Circle, Chatta-Metro (South)			
17	Distribution Division Patiya	patiya	2x10	10.00
			1x10/13.33	
		fishharbor	2x10	14.00
		julda	2x16/20	5.00
		shikalbaha	1x16/20	10.00
			1x10/13.33	
		dohazari	1x16/20	10.00
		Satkania	2x5/6.67	9.00
		Moizzertek	2x20/26	4
18	Distribution Division Cox's Bazar	Zilongza	2x16/20	32.00
		Motel Road	1×16/20	16.0
		Kolatoli	2x10/13.33	11.00
	Chakaria ESU	chakaria	1x10	13.00
			1x10/13.33	
		Aziznagar	1x5/6.67	2.00
	Lama ESU	Lama	1x5/6.67	3.00
		Alikodom	2×5/6.67	2.5
	Ramu ESU	Ramu	1× 10/13.33	7
		Naikhonchari	1× 5/6.67	4
	Kutubdia ESU	Kutubdia	600 KVA	0.70
	O & M Circle, Rangamati			
19	Distribution division Khagrachari	Khagrachori	2×10/13.33	9
		Thakurchara	1×10/13.33	3.7
	Panchori ESU	Panchori	1×5/6.667	3
	Ramgarh ESU	Ramgarh	3×1.667	3.5
			1×5.00	
	Matiranga ESU	Jaliapara	3×1.667	1.5
		Matiranga	1×5.00	2.25
	Diginala ESU	Dhighinala	2×5.00	6.5
		Longudu	1×5.00	2.5
	Manikchori ESU	Manikchori	1×5.00	3.5
		Laxmichori	1×5.00	0.75
	Mohalchari ESU	Mohalchori	1×5.00	2.5
		Naniarchori	1×5.00	1
20	Distribution division Rangamati	Vedvedi 33/11 KV	2 x 10/13.33	8.00
		Majerbosti 33/11 KV	1 x 10/13.33	8.00
		Kawkhali 33/11 KV	1 x 5	2.00
		Ghagra 33/11 KV	1 x 5	3.00
		Kaptai Academy 33/11 KV	2 x 3	2.00
		Kaptai 132/33/11 KV	1 x 20	10.00
		Bangalhalia 33/11 KV	1 x 5	3.00
		Marishya 33/11 KV	1 x 5	3.00
		sukurchori gridside	1 x 10/13.33	4
		Bilaichori	3x 1.667	3.00
		Jurachori	3x 1.667	2
21	Distribution division Bandarban	Bandarbon	2×10/13.33	5
		Kachinghata	3×1.667	3
		Nilachol	1×10/13.33	2.5
		Y-Junction	1×5.00	0.6
		Boli Para/Thanchi	3×1.667	1.0
		Rowanchori	1×5/6.67	1.0
		Ruma	1×5/6.67	1.0
Sub Total		**82**	**2243/3814**	**1067**

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
	Cumilla Zone			
	O & M Circle, Cumilla			
1	S & D-1, Cumilla	Kotbari	3x10/13.33 1x20/26	25.00
		Kaliajori	2x10/13.33 1x16/20	26.00
	Burichang E/S	Palpara	2x5	7.50
2	S & D-2, Cumilla	Balutupa	3x10/13.33 1x16/20	23.00
		Chouddagram	3x5	8.50
	Chouddagram E/S	Jangalia	2x10/13.33 2x16/20	25.00
3	S & D-3, Cumilla	Daulatgonj	1x10/13.33 1x16/20 1x5	11.50
4	S & D Daulatgonj	Balur Math	2x10/13.33 1x16/20	21.00
5	S & D, Chandpur	Puran Bazar	1x5 1x10/13.33	11.00
6	S & D, B Baria-1	Datiara	1x10/13.33 2x16/20	23.00
7	S & D, B Baria-2	Ghatura	3x10/13.33	20.00
8	S & D Ashugonj	Kalabagan	2x10/13.33 1x16/20	27.00
9	S & D Sarail	Shabazpur	2x5	5.50
		Kuttapara	2x10/13.33	9.50
	O & M Circle, Noakhali			
10	S&D Feni	Mohipal	4x10/13.33	26.00
		Sultanpur	2x10/13.33	13.50
	Boshurhat E/S	Dagonbuyan	2x10/13.33	12.00
		Boshurhat	1x10/13.33	7.00
11	S&D-Maijdee	Maijdee	2x10/13.33 1x16/20	23.00
		Datterhat	2x10/13.33	10.50
12	S&D Chawmuhoni	Choumuhani	3x10/13.33 1x16/20	21.00
13	S & D, Laxmipur	Laxmipur	2x10/13.33	13.00
	Sub Total	**22**	**641/824**	**370**
	Central Zone, Mymensingh			
	O & M Circle-1, Mymenshingh			
1	S & D -1 (North), Mymensing	Akua	2x10/13.33 1x20/26	25.00
		Batircal	1x20/26 2x10/13.33	18.00
2	S & D -2 (South), Mymensing	Kewatkhali	4x10/13.33	28
		Digarkanda (Bypass)	1x16/20 2x10/13.33	18
3	S & D Trisal	Trisal	3x10/13.33	18
4	S & D Bhaluka	Bhaluka	3x10/13.33	19
5	S & D Goffargoan	Maijbari	2x5/6.66	8
		Goffargoan	3x10/13.33	13
		Balipara	1x5/6.66	2.50

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
	O & M Circle-2, Mymenshingh			
6	S & D -3, Mymensing	Shambuganj	3X10/13.33	18
	Gouripur ESU	Gauripur	2X10/13.33	10
	Ishwarganj ESU	Isshorgonj	2X5/6.67	7
7	S & D -Fulpur	Fulpur	3X10/13.33	18.00
	Haluaghat ESU	Haluaghat	2X5/6.67	9.00
8	S&D Netrokona	Satpai Netrokona	3x10/13.33	22.00
9	S&D Bhairab	Bhairab	5x10/13.33	32.00
		Kuliachor	1x5/6.66	5.00
			1x10/13.33	
10	S & D, Kishoreganj	Josodal	3x10/13.33	14.00
		Mollapara	2x10/13.33	14.50
11	S&D Bajitpur	Sararchar	3x10/13.33	18.00
	O & M Circle, Jamalpur			
12	S&D Sherpur	Sherpur	1x16/20	25.00
			2x10/13.33	
		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
13	S & D, Jamalpur	Bojrapur	2x10/13.33	7
		Shekhervita	2x10/13.33	17.5
		Shahapur	2x10/13.33	8.5
14	S & D, Sharishabari	Sharishabari	2x10/13.33	10
	O & M Circle,Tangail			
13	S & D-1 Tangail	Betka	3x10/13.33	24
		Boilla	2x10/13.33	13
14	S & D-2 Tangail	Kachuadanga	4x10/13.33	24
15	S & D-3 Tangail	Elenga	2x10/13.33	7
16	S & D Bhuapur	Bhuapur	3x10/13.33	18
17	S & D Ghatail	Ghatail	1x20/26.66	20.00
			2x10/13.33	
		Cantorment	2x10/13.33	5
18	S & D Khalihati	Kalihati	3x10/13.33	18.5
19	S & D Shakipur	Shakipur	3x10/13.33	19
		Kutubpur	2x5/6.67	9
		Nalua	3x5/6.67	8
Sub Total		**31**	**987/1312**	**575**
	Sylhet Zone			
	O & M Circle, Sylhet			
1	S & D-1	Ambarkhana	2x10/13.33	30.00
			2x 20/26.66	
		Shekhghat	1x 20/26.66	17.00
			2x10/13.33	
2	S & D-2	Upashahar	4x10/13.33	27.00
		MC Collage	2x10/13.33	13.00
3	S & D-3	Boroikandi	3x10/13.33	26.00
		Gotatikor	2x10/13.33	
	Jagannathpur E/S, Sunamganj	Jagannanthpur	3x5/6.67	10.00
4	S & D-4	Kumargao	2x10/13.33	21.00
		Shahjalal	2x10/13.33	

Sl. No.	Name of the Division	Name of the 33/11KV Sub-station	Capacity (MVA)	Maximum Demand (MW)
5	S & D-5	Botessore	2x10/13.33	30.00
			1x20/26	
		Botessore-2 (GIS)	2x20/26	
	Jaintapur Electric Supply Unit, Sylhet	Jaintapur	2x5/6.67	8.00
6	S & D Sunamgonj	Sunamgonj	2x10/13.33	10.00
	Derai E/S, Sunamganj	Derai	2x5/6.67	7.00
7	S & D Chatak	Jawa Bazar	2x5/6.67	5.00
		Chattak	2x10/13.33	14.50
	O & M Circle, Moulovibazar			
8	Dist. Divn. Moulovibazar	Bajbari	2x10/13.33	6.00
		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	6.50
		Kulaura	2x10/13.33	17.00
Sub Total		**21**	**515/ 685**	**272**
Total		**156**	**4386/5634**	**2283**

In observance of 46th Martyrdom anniversary of Father of the Nation Bangabandhu Sheikh Mujibur Rahman, BPDB organized a virtual discussion meeting and prayer program on August 18, 2021.

Secretary, Power Division, Mr. Md. Habibur Rahman inaugurated `Mujib Corner' at the Chairman Floor, Bidyut Bhaban on August 15, 2021.

11/.04 KV Distribution Substations of BPDB

(As of June 2022)

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	150	83	52	5	5	59.6
	Dapunia ESU	0	0	0	0	14	18	18	0	1	8.91
	Fulbaria ESU	0	0	0	0	17	24	22	0	1	11.26
2	S&D-2(S), PDB, Mymensingh	0	0	1	2	180	165	130	7	10	92.365
3	S&D, Trisal	0	0	0	0	77	173	140	1	51	68.41
4	S&D, Valuka	0	0	0	2	91	99	116	12	12	55.47
5	S&D, Goffargoan	0	0	0	0	118	208	190	4	15	90.45
	O & M Circle-2, Mymensingh										
6	S &D-3, Mymensingh	0	0	0	0	52	105	110	12	6	45.66
	Gouripur ESU	0	0	0	0	9	45	55	2	5	16.9
	Ishwarganj ESU	0	0	1	0	22	33	47	3	13	17.395
7	S & D,Fulpur	0	0	0	0	125	65	115	3	0	55.9
	Haluaghat ESU	0	0	0	0	43	51	71	0	0	28.05
8	S & D, Netrakona	0	0	0	0	99	101	60	0	0	50.95
9	S & D, Kishoreganj	0	0	0	2	121	148	112	3	0	71.8
10	S & D, Bajitpur	0	0	0	0	72	101	95	2	8	47.88
11	S & D, Bhairab	0	0	0	0	72	116	140	1	0	55.25
	Shimulkandi ESU	0	0	0	0	38	31	15	1	0	17.25
	Kuliarchar ESU	0	0	0	0	28	4	17	0	0	9.5
	O & M Circle, Jamalpur										
12	S & D, Jamalpur	0	0	0	0	104	150	110	2	0	67.1
13	S & D, Sharishabari	0	0	0	0	66	52	44	0	0	31.3
14	S & D, Sherpur	0	0	0	0	117	90	80	4	31	55.76
	Nakla ESU	0	0	0	0	38	30	34	0	0	18.9
	Nalitabari ESU	0	0	0	0	28	34	60	0	1	19.81
	Jinaigati ESU	0	0	0	0	46	25	71	0	1	23.61
	Sribordi ESU	0	0	0	0	29	33	35	0	0	17.35
	O & M Circle, Tangail										
15	S & D-1, Tangail	0	0	0	0	98	89	48	2	11	47.31
16	S & D-2,Tangail	0	0	0	0	80	128	70	0	0	52.6
17	S & D-3,Tangail	0	0	0	0	25	30	50	4	3	17.48
18	S & D, Bhuapur	0	0	0	0	109	112	96	0	9	59.34
19	S & D, Kalihati	0	0	0	0	80	155	230	0	4	74.04
20	S & D, Ghatail	0	0	0	0	135	148	122	2	12	75.77
21	S & D, Shakhipur	0	0	0	2	186	314	330	2	80	143.8
	Sub Total	**0**	**0**	**2**	**8**	**2469**	**2960**	**2885**	**72**	**279**	**1507.17**
	Cumilla Zone										
	O & M Circle, Cumilla										
1	S&D-1, Cumilla	0	0	0	0	116	232	28	0	2	78.22
	Burichong E/S	0	0	0	0	44	36	25	0	0	20.7
2	S & D-2, Cumilla	0	0	0	0	343	72	10	0	0	101.15
	Chauddagram E/S	0	0	0	0	54	70	30	0	0	30.5

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)
3	S & D-3, Cumilla	0	0	0	0	143	153	44	0	0	70.75
4	S & D Daulatgonj	0	0	0	0	41	152	12	0	0	41.85
5	S & D, Chandpur	0	0	0	0	53	135	35	0	2	43.77
6	S & D-1, B-Baria	0	0	0	1	147	174	28	0	1	74.66
7	S & D-2, B-Baria	0	0	0	0	171	230	53	0	0	94.05
8	S & D Ashugonj	0	5	0	0	103	163	53	0	0	66.15
9	S & D Sarial	0	3	0	0	196	149	45	0	0	84.8
	O & M Circle, Noakhali										
10	S&D-Maijdee	0	0	0	0	192	219	31	0	0	94.9
	Hatiya E/S	1	7	0	0	9	9	7	0	0	
11	S & D Chowmohani	0	0	0	0	126	126	21	0	0	58.8
12	S&D-Feni	0	0	0	0	152	230	52	0	0	89.2
13	Bashourhat E/S	0	0	0	0	44	30	34	1	0	20.45
	S&D-Laxmipur	0	0	0	0	56	59	43	0	0	30.1
	Sub Total	**1**	**15**	**0**	**1**	**1990**	**2239**	**551**	**1**	**5**	**1009.3**
	Southern Zone, Chattogram										
	O & M Circle, Chatta-Metro (East)										
1	S&D Kalurghat	0	0	0	0	360	12	0	10	25	93.15
2	S&D Patharghata	0	0	0	0	324	58	13	0	0	93.9
3	S&D Stadium	0	0	0	0	233	28	12	0	0	65.05
4	S&D Bakalia	0	0	0	0	232	57	15	0	0	70.9
5	S& D Madarbari	0	0	0	0	197	28	0	0	0	54.85
6	S&D Sholoshahar	0	0	0	0	380	0	0	0	0	95
	O & M Circle, Chatta-Metro (West)										
7	S&D Agrabad	0	0	0	0	290	75	5	0	0	88
8	S&D Halishahar	0	0	0	0	299	12	4	0	4	77.59
9	S&D Newmooring	0	0	0	0	191	36	4	11	1	55.91
10	S&D Pahartoli	0	0	0	0	334	34	11	0	43	91.83
11	S&D Rampur	0	0	0	0	261	10	5	0	4	67.79
12	S&D Khulshi	0	0	0	0	440	77	21	44	0	129.7
	O & M Circle, Chatta-Metro (North)										
13	S&D Fouzdarhat	0	0	0	0	176	27	19	3	368	55.13
	Sandwip ESU	0	0	0	0	104	18	32	2	99	33.89
14	S&D Barabkund	0	0	0	0	168	71	33	1	262	62.17
15	S&D Hathazari	0	0	0	1	254	52	16	1	0	75.85
16	S&D Mohora	0	0	0	0	177	16	19	0	0	49.35
	O & M Circle, Chatta-Metro (South)										
17	Distribution Division Patya	0	0	0	0	243	43	16	8	236	73.71
	Dohazari Electric Supply	0	0	0	0	78	18	6	0	0	23.7
	Satkania Electric Supply	0	0	0	0	62	36	2	0	0	22.9
18	Distribution Division Cox's Bazar	0	0	0	0	201	115	28	1	1	76.11
	Ramu Electric Supply	0	0	0	0	77	51	13	10	14	31.39
	Lama Electric Supply	0	0	0	0	41	23	39	10	7	19.32
	Chakaria Electric Supply	0	0	0	0	89	19	41	11	2	30.72
	Kutubdia Electric Supply	0	0	0	0	0	1	4	0	0	0.6

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, Chattogram (Rangamati)										
19	DD-Khagrachari	0	0	0	0	63	136	295	138	143	80.78
20	DD-Rangamati	0	0	1	1	92	192	210	92	125	88.865
21	DD-Bandarban	0	0	0	0	46	88	148	56	59	47.29
	Sub Total	**0**	**0**	**1**	**2**	**5412**	**1333**	**1011**	**398**	**1393**	**1755.445**
	Sylhet Zone										
	O & M Circle, Sylhet										
1	S&D-1	0	0	0	0	330	315	105	1	0	156.05
2	S&D-2	0	0	0	0	443	51	28	0	3	123.78
3	S&D-3	0	0	0	0	210	110	60	4	5	80.75
	Jagannathpur Electric Supply	0	0	0	0	92	87	109	1	73	52.08
4	S&D-4	0	0	0	0	218	78	40	2	0	74.2
5	S&D-5	0	0	0	0	122	58	31	0	0	45.2
	Jaintapur Electric Supply	0	0	0	0	98	147	118	5	27	66.22
6	S&D-Chatak	0	0	0	0	287	113	75	0	0	101.85
7	S&D,PDB, Sunamganj	0	0	0	0	112	48	66	5	20	44.65
	Derai Electric Supply, PDB, Sunamganj	0	0	0	0	48	65	48	8	37	30.57
	O & M Circle, Moulovibazar										
8	S&D, PDB, Moulvibazar	0	0	0	0	192	30	10	0	0	55
9	S&D, PDB, Habiganj	0	0	0	0	206	82	16	0	0	69.5
10	S&D, PDB-Kulaura	0	0	0	0	139	88	67	2	29	59.44
	Juri Electrric Supply	0	0	0	0	78	16	16	0	2	24.32
	Sub Total	**0**	**0**	**0**	**0**	**2575**	**1288**	**789**	**28**	**196**	**983.61**
	Total	**1**	**15**	**3**	**11**	**12446**	**7820**	**5236**	**499**	**1873**	**5255.525**

An agreement was signed with consultant Md. Feroz Mia on 19 October, 2021 at Wapda Bhavan to prepare the revised organizational structure of BPDB. On this occasion, Member Administration Md. Sayeed Kutub and Member Finance Sk. Aktar Hossain were present.

Synopsis of Chattogram P.C. Pole Manufacturing Plant

Details	FY'2000	FY'2001	FY'2002	FY'2003	FY'2004	FY'2005	FY'2006	FY'2007	FY'2008	FY'2009	FY'2010	FY'2011	FY'2012	FY'2013	FY'2014	FY'2015	FY'2016	FY'2017	FY'2018	FY'2019	FY'2020	FY'2021	FY'2022
1. Nos. of poles manufactured																							
i) 33 kV poles a) 15 x 220	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	1983
b) 15 x 190	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	421
ii) 11 kV poles 12 x 190	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	4605
iii) 0.4 kV poles 9 x 140	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	4172
2. Cost per no. of pole (Tk.)																							
i) 33 kV poles a) 15 x 220	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	53381	53381
b) 15 x 190	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	47478	47478
ii) 11 kV poles 12 x 190	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	30406	30406
iii) 0.4 kV poles 9 x 140	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	12903	12903
3. Production Capacity (Nos.)																							
i) 33 kV poles a) 15 x 220	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	3000	3000
b) 15 x 190	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	1000	1000
ii) 11 kV poles 12 x 190	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	10000	10000
iii) 0.4 kV poles 9 x 140	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	6000	6000
4. Use of production capacity (%)	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	55.90

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	FY'2000	FY'2001	FY'2002	FY'2003	FY'2004	FY'2005	FY'2006	FY'2007	FY'2008	FY'2009	FY'2010	FY'2011	FY'2012	FY'2013	FY'2014	FY'2015	FY'2016	FY'2017	FY'2018	FY'2019	FY'2020	FY'2021	FY'2022
1. Nos. of poles manufactured																							
i) 33 kV poles 22.5x230	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----
15x230	17	39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----
ii) 11 kV poles 12x230	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	5252
11x230	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	0
iii) 0.4 kV poles 9 M	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	13834
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	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	13,802	14,197	14,197	14,197	14,197	15,783	15,783	17,328	24,486	21,574	21,574	21,574	21,574	21,574	22,512	22,512	29,384	29,384	29,384	29,384	29,384	29384	29384
11 M	12,385	12,652	12,652	12,652	12,652	13,910	13,910	15,313	21,066	18,560	18,560	18,560	18,560	18,560	19,579	19,579	25,555	25,555	25,555	25,555	25,555	25555	25555
iii) 0.4 kV poles 9 M	6,072	6,262	6,262	6,262	6,262	6,694	6,694	7,074	9,558	8,421	8,421	8,421	8,421	8,421	9,065	9,065	11,832	11,832	11,832	11,832	11,832	118325	11832
3. Production Capacity (Nos)																							
i) 33 kV poles 22.5 M	--	25	25	25	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----
15 M	300	300	340	200	200	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----
ii) 11 kV poles 12 M	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	12000	14000
11 M	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	0
iii) 0.4 kV poles 9 M	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	8000	16000
4. Use of production capacity (%)	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	63.62

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

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. BPDB also import power from abroad. In the FY 2021-2022, 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 2021-22		FY 2020-21		Increase/ (Decrease)
	Amount (Crore Tk.)	Cost (Tk/kWh)	Amount (Crore Tk.)	Cost (Tk/kWh)	
i. BPDB's Generation	8,014.66	5.02	6,743.88	4.43	18.84%
ii. Purchase from IPP	49,213.31	11.55	27,737.36	8.02	77.43%
iii. Purchase from Rental	2,789.43	9.80	3,328.24	7.47	(16.19)%
iv. Purchase from Public Plant	7,013.75	4.75	6,917.03	4.29	1.40%
v. Purchase from India	4,673.21	6.11	4,712.91	5.80	(0.84)%
vi. Interest on budgetary support	1,294.80	0.15	1,294.80	0.16	0.00%
vii. Provision for Power Sector Development fund	1,224.09	0.15	1,144.73	0.15	6.93%
Total	**74,223.25**	**8.84**	**51,878.96**	**6.61**	**43.07%**
Energy Sales	**42,859.05**		**40,141.08**		**6.77%**

It shows that BPDB's own generation cost, Energy purchase from IPP and Public Plants increased by 18.84%, 77.43% and 1.40% respectively. Energy purchase from rental, purchase from India has decreased by 16.19% and 0.84% respectively compared to FY 2020-2021. Chart-1 shows the comparative generation picture.

Cost of Electricity Generation and Purchase

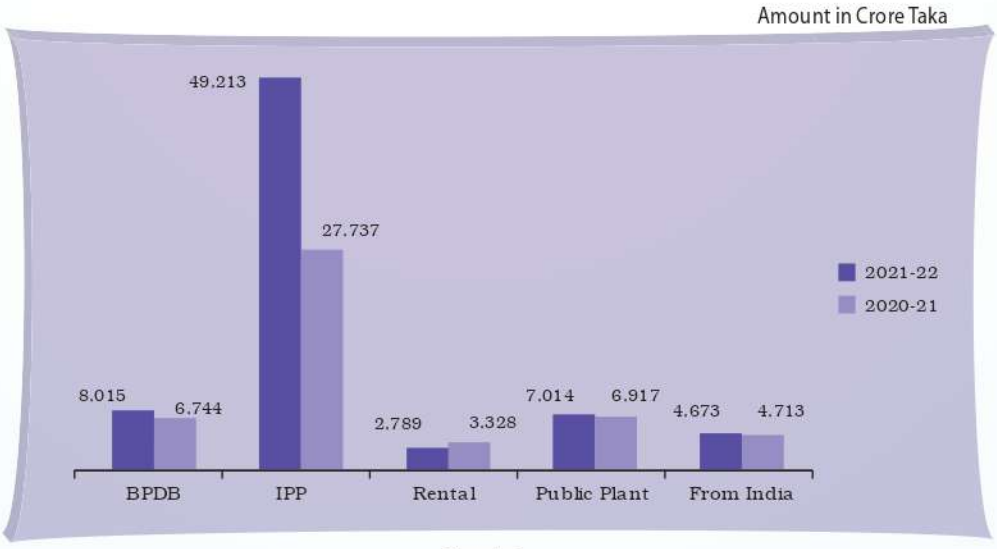


Chart-1

During the financial year 2021-2022 amount of sales to BPDB's own consumers, DPDC, DESCO, WZPDCL, NESCO & BREB and the collected amount against sales are given bellow:

Table-B

Particulars	FY 2021-2022			FY 2020-2021	Increase / (Decrease)
	Sales (Crore Tk.)	Collection (Crore Tk.)	(% of collection on sales)	(% of collection on sales)	
PDB's own consumer	8,830.12	9,004.43	101.97%	101.84%	0.13%
DPDC	6,528.61	6,575.51	100.72%	97.28%	3.44%
DESCO	4,017.68	3,934.58	97.93%	96.92%	1.02%
WZPDCL	2,041.07	2,005.04	98.23%	100.26%	(2.03)%
BREB	19,186.81	18,895.99	98.48%	96.79%	1.69%
NESCO	2,254.77	2,271.47	100.74%	114.45%	(13.71)%
Total	**42,859.05**	**42,687.03**	**99.60%**	**99.04%**	**0.56%**

During the financial year 2021-2022 sales to BPDB's own consumer, DPDC, DESCO, WZPDCL, BREB and NESCO Taka 8,830.12 Crore 6,528.61 Crore, 4,017.68 Crore, 2,041.07 Crore, 19,186.81 Crore and 2,254.77 Crore respectively against which amount collected is 9,004.43 Crore, 6,575.51 Crore (excluding Taka 2,500 Crore transferred to investment in shares as per Government decision), 3,934.58 Crore, 2,005.04 Crore, 18,895.99 Crore and 2,271.47 Crore which is 101.97%, 100.72%, 97.93%, 98.23%, 98.48% and 100.74% of billed amount respectively.

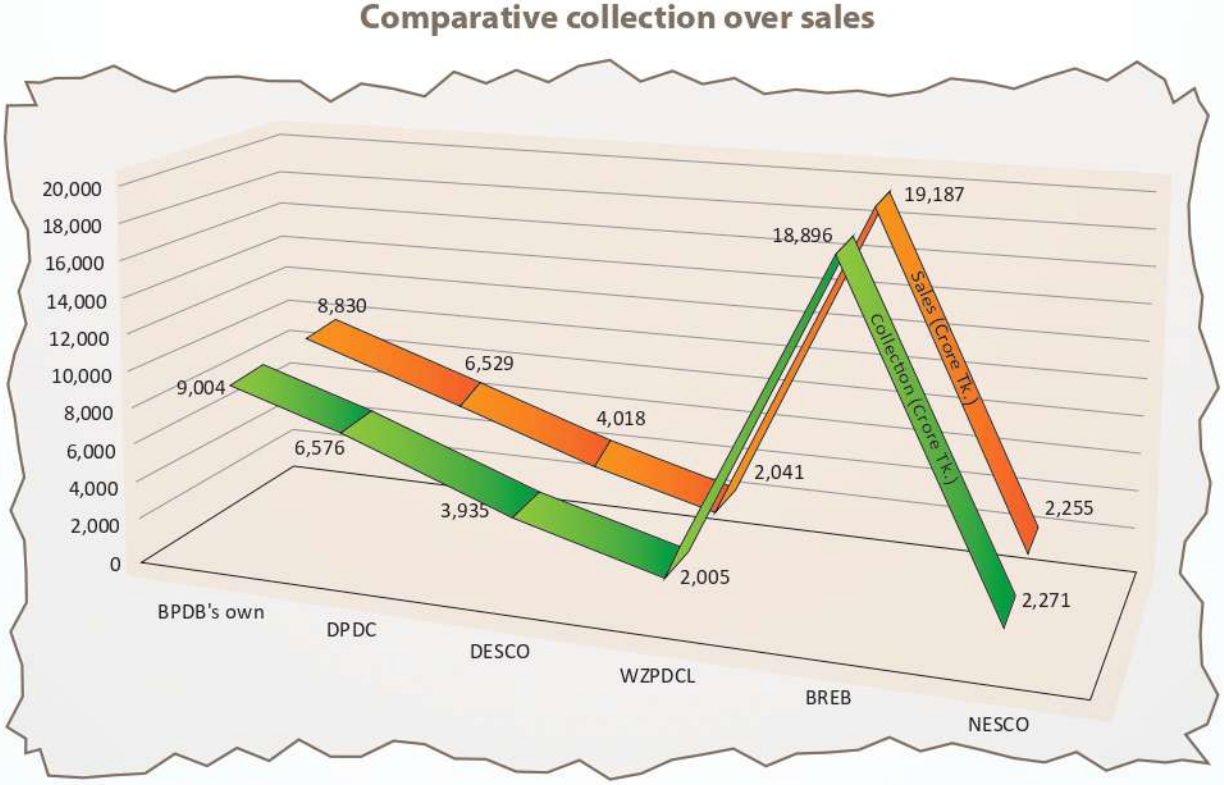


Chart-2

COMPARATIVE STATEMENT OF BUDGET AND ACHIVEMENT FOR THE YEAR 2021-2022

Amount in Lac Taka

Particulars	Budget 21-22	Achievement	Performance Over Budget	Favorable/ Adverse
OPERATING REVENUE				
ENERGY SALES	4,343,278.01	4,285,905.15	(57,372.86)	A
OTHER OPERATING INCOME	83,932.25	146,274.23	62,341.98	F
	4,427,210.26	**4,432,179.38**	**4,969.12**	**F**
OPERATING EXPENSES				
FUEL COST - GAS	152,545.00	134,129.01	18,415.99	F
DIESEL/FURNACE OIL USED FOR ELECTRICITY GENERATION	252,354.00	140,451.73	111,902.27	F
COAL USED FOR ELECTRICITY GENERATION	60,495.00	74,376.93	(13,881.93)	A
ELECTRICITY PURCHASE FROM IPP	3,507,879.00	4,921,331.47	(1,413,452.47)	A
ELECTRICITY PURCHASE FROM RENTAL	183,025.00	278,942.97	(95,917.97)	A
ELECTRICITY PURCHASE FROM INDIA	464,182.00	467,320.67	(3,138.67)	A
ELECTRICITY PURCHASE FROM PUBLIC PLANT	1,552,584.00	701,374.64	851,209.36	F
DEPRECIATION	239,418.00	239,886.70	(468.70)	A
REPAIR & MAINTENANCE EXPENSES	116,200.00	63,251.07	52,948.93	F
PERSONNEL EXPENSES	129,799.63	128,195.97	1,603.66	F
OFFICE & ADMINISTRATIVE EXPENSES	50,659.70	11,697.61	38,962.09	F
TRANSMISSION EXPENSES FOR WHEELING CHARGE	32,714.44	24,742.40	7,972.04	F
TOTAL OPERATING EXPENSES	**6,741,855.77**	**7,185,701.16**	**(443,845.39)**	**A**
OPERATING INCOME / (LOSS)	**(2,314,645.51)**	**(2,753,521.78)**	**(438,876.27)**	**A**
NON - OPERATING EXPENSES:				
ASSETS INSURANCE FUND	700.00	700.00	-	F
INTEREST ON LOANS	228,007.61	203,595.26	24,412.35	F
POWER SECTOR DEVELOPMENT FUND	123,714.00	122,408.96	1,305.05	F
LOSS/(GAIN) DUE TO EXCHANGE RATE FLUCTUATION	65.03	55,427.01	(55,361.98)	A
NET NON-OPERATING EXPENSES	**352,486.64**	**382,131.22**	**(29,644.58)**	**A**
SUBSIDY FROM GOVT.	**2,487,668.00**	**2,965,842.63**	**478,174.63**	**F**
Tax	**9,557.07**	**153,463.77**	**(143,906.70)**	**A**
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	**(189,021.22)**	**(323,274.14)**	**(134,252.92)**	**A**

From the above statement it is found that, the actual net loss for the FY 2021-2022 is 323,274.14 Lac Taka against the revised budgeted net loss of 189,021.22 Lac Taka which is more than budget provision by 134,252.92 Lac Taka. In analysis of the revised budget and actual expenditure it is observed that the govt. orders/decisions for controlling the cost have been reflected in BPDB's operation.

Utility Plant in Service acquired through project completion amounting to Taka 5,998.68 Crore has been transferred to assets in operation during the FY 2021-2022. 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.

Category Wise Total Expenses

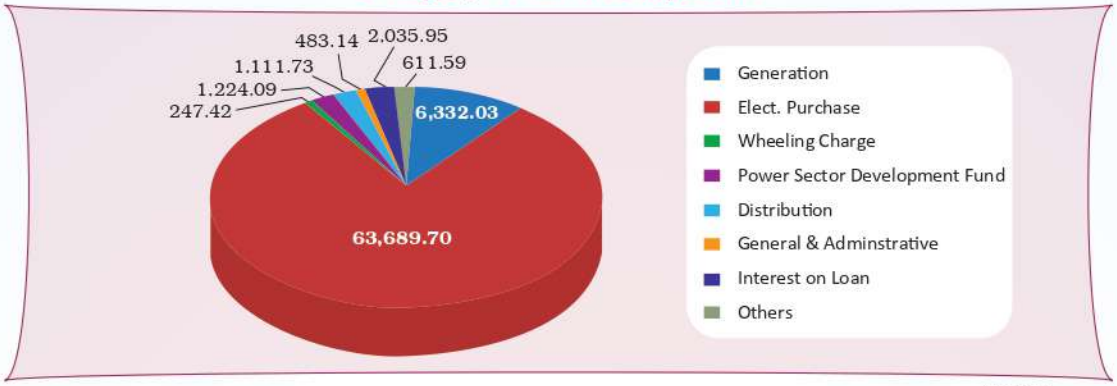


Chart-3

BPDB's Own Generation and Electricity Purchase

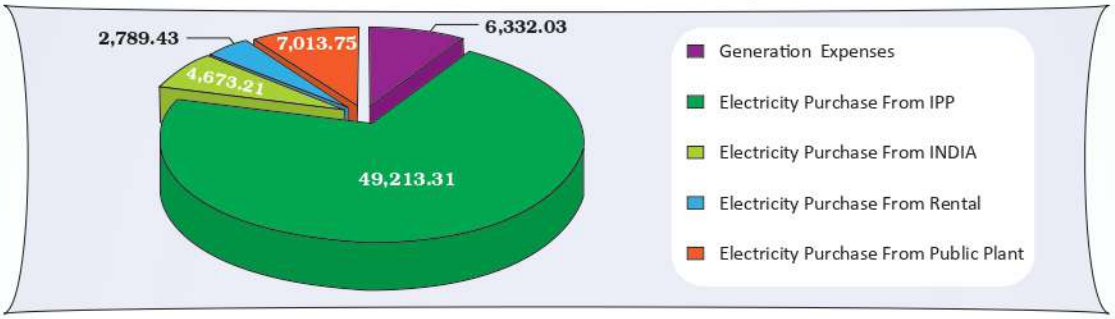


Chart-4

Member Finance Sk Aktar Hossain visited Shahjibazar Power Plant.

A virtual webinar on 'Electricity Demand in Bangladesh: Installed and Supply Capacity' organized by FERB on 28 August,2021.

STATEMENT OF FINANCIAL POSITION

AS AT JUNE 30, 2022

Amount in BDT

PARTICULARS	30-Jun-22	30-Jun-21
Assets		
Non-current assets		
Property, plant and equipment (PPE), net	682,621,773,285	641,607,645,188
Capital work in progress	149,548,829,709	176,979,505,645
Investments in associated company	71,928,879,320	47,559,532,226
Other long term investments	500,080,000	80,000
Total non-current assets	**904,599,562,313**	**866,146,763,059**
Current Assets		
Inventories	37,183,789,187.25	38,106,078,138
Receivable against Govt. subsidy	222,838,362,614.00	54,254,500,000
Trade receivables, net	95,685,699,970.82	112,797,006,159
Other receivables	7,975,119,214.85	4,914,399,969
Advances, deposits and prepayments	74,484,408,762.88	65,710,278,824
Short term investments	31,910,170,871.62	44,528,854,604
Cash and cash equivalents	38,654,885,826.23	39,249,068,911
Total current assets	**508,732,436,448**	**359,560,186,605**
Total assets	**1,413,331,998,761**	**1,225,706,949,664**
Equity and liabilities		
Equity		
Authorised Capital	400,000,000,000	400,000,000,000.00
Paid up Share Capital	229,757,190,920	220,667,242,642
Govt. Equity against DESCO's Share	-	3,328,924,865
Retained earnings	(653,669,854,639)	(589,436,617,405)
Revaluation reserve	467,354,806,728	467,354,806,728
Grants	7,450,883,148	7,436,755,860
Funds and other reserves	8,240,131,594	7,804,301,560
Total equity	**59,133,157,751**	**117,155,414,250**
Liabilities		
Non-current liabilities		
Long term loans and borrowings	671,839,386,353	685,679,499,827
Deferred tax	33,951,459,253	-
Long term employee benefit obligaton	23,765,448,267	23,849,809,551
Consumers' security deposits	5,824,389,475	5,595,729,415
Total non-current liabilities	**735,380,683,349**	**715,125,038,792**
Current liabilities		
Current obligations on long term loans and borrowings	288,196,982,496	270,182,677,980
Payables to Power Sector Development Fund	6,266,929,207	12,792,859,707
Trade and other payables	306,320,637,479	103,889,686,235
Other current liabilities	16,319,196,697	3,759,178,869
Clearing accounts	1,714,411,781	2,802,093,831
Total current liabilities	**618,818,157,661**	**393,426,496,622**
Total liabilities	**1,354,198,841,010**	**1,108,551,535,414**
Total equity and liabilities	**1,413,331,998,761**	**1,225,706,949,664**

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, 2022

Amount in BDT

PARTICULARS	July 2021 to June 2022	July 2020 to June 2021
OPERATING REVENUE		
Sale of electricity (net of VAT)	428,590,515,189	401,410,762,791
Other operating revenue	1,340,127,276	1,159,047,688
Total operating revenue	**429,930,642,465**	**402,569,810,479**
Subsidy from Government	296,584,262,614	117,779,100,000
Net revenue	**726,514,905,079**	**520,348,910,479**
Cost of sales	(714,932,370,968)	(499,386,520,146)
Gross profit/(loss)	**11,582,534,111**	**20,962,390,332**
OPERATING EXPENSES		
Distribution expenses	(11,117,283,610)	(11,816,655,224)
General and administrative expenses	(4,831,357,152)	(4,663,658,973)
Total operating expenses	**(15,948,640,761)**	**(16,480,314,197)**
Other operating income	6,067,923,115	5,514,693,309
Operating profit/(loss)	**1,701,816,465**	**9,996,769,444**
NON-OPERATING INCOME/(EXPENSES)		
Finance costs	(20,359,525,570)	(18,993,264,369)
Exchange Fluctuation Gain /(Loss)	(6,115,875,263)	(7,492,306)
Interest Income (net of source tax)	4,072,931,791	5,612,624,604
Dividend Income (net of source tax)	2,134,002,355	2,730,822,728
Gain on sale of share (net of source tax)	573,173,925	1,953,293,933
Total non-operating income/(expenses)	**(19,695,292,763)**	**(8,704,015,411)**
Profit/(Loss) before tax	**(17,993,476,298)**	**1,292,754,034**
INCOME TAX EXPENSE		
Current Tax	(6,377,176,264)	-
Deferred Tax	(7,956,761,693)	-
Total Income Tax expense	**(14,333,937,957)**	**-**
Profit /(Loss) for the year	**(32,327,414,256)**	**1,292,754,034**
Other Comprehensive income	-	-
TOTAL COMPREHENSIVE INCOME /(LOSS)	**(32,327,414,256)**	**1,292,754,034**

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF CHANGES IN EQUITY

FOR THE YEAR ENDED 30 JUNE 2022

Amount in BDT

Particulars	Paid up Capital	Revaluation reserve	Govt. Equity against DESCO's Share	Grants	Liquidity Damage Reserve	Deposit Work Fund	Assets Insurance Fund	Maintenance & Development Fund	Retained Earnings	Total Equity
Balance as at 30 June 2021	220,667,242,642	467,354,806,728	3,328,924,865	7,436,755,860	72,053,500	7,202,248,060	530,000,000	-	(589,436,617,405)	**117,155,414,250**
Govt. Contribution during the year	9,089,948,278	-	-	-	-	-	-	-	-	**9,089,948,278**
Created during the year	-	-	-	-	-	-	70,000,000	-	-	**70,000,000**
Amount deposited during the year	-	-	-	-	-	373,460,812	-	-	-	**373,460,812**
Amount Refunded/ Adjustment	-	-	-	-	-	(7,630,778)	-	-	-	**(7,630,778)**
Transfer to DPDC	-	-	(3,328,924,865)	-	-	-	-	-	-	**(3,328,924,865)**
Prior year adjustment for deferred tax recognition	-	-	-	-	-	-	-	-	(25,994,697,560)	**(25,994,697,560)**
Prior year adjustment for expenses (Note-39)	-	-	-	14,127,288	-	-	-	-	(5,911,125,418)	**(5,896,998,129)**
Total Comprehensive Income	-	-	-	-	-	-	-	-	(32,327,414,256)	**(32,327,414,256)**
--	-	-	-	-	-	-	-	-	-	-
--	-	-	-	-	-	-	-	-	-	-
Balance as at 30 June 2022	**229,757,190,920**	**467,354,806,728**	**-**	**7,450,883,148**	**72,053,500**	**7,568,078,094**	**600,000,000**	**-**	**(653,669,854,639)**	**59,133,157,751**

FOR THE YEAR ENDED 30 JUNE 2021

Amount in BDT

Particulars	Paid up Capital	Revaluation reserve	Govt. Equity against DESCO's Share	Grants	Liquidity Damage Reserve	Deposit Work Fund	Assets Insurance Fund	Maintenance & Development Fund	Retained Earnings	Total Equity
Balance as at 30 June 2020	213,289,275,677	467,354,806,728	3,328,924,865	7,436,755,860	72,053,500	6,169,206,259	460,000,000	102,515,319,007	(620,462,024,366)	**180,164,317,530**
Govt. Contribution during the year	7,459,575,965	-	-	-	-	-	-	-	-	**7,459,575,965**
Refund to GOB during the year	(81,609,000.00)	-	-	-	-	-	-	-	-	**(81,609,000)**
Amount deposited during the year	-	-	-	-	-	1,033,041,801	-	-	-	**1,033,041,801**
Created during the year	-	-	-	-	-	-	70,000,000	-	-	**70,000,000**
Debited during the year (For seperation of books of accounts as per BERC guideline)	-	-	-	-	-	-	-	(102,515,319,007)	-	**(102,515,319,007)**
Total Comprehensive Income	-	-	-	-	-	-	-	-	1,292,754,034	**1,292,754,034**
Prior year adjustment for expenses (Note-39)	-	-	-	-	-	-	-	-	29,732,652,927	**29,732,652,927**
--	-	-	-	-	-	-	-	-	-	-
Balance as at 30 June 2021	**220,667,242,642**	**467,354,806,728**	**3,328,924,865**	**7,436,755,860**	**72,053,500**	**7,202,248,060**	**530,000,000**	**-**	**(589,436,617,405)**	**117,155,414,250**

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED JUNE 30, 2022

	PARTICULARS	Amount in BDT	
		July 2021 to June 2022	July 2021 to June 2022
A	**CASH FLOW FROM OPERATING ACTIVITIES**		
	Cash received from customers (other than advance payment)	422,041,948,653	398,709,276,478
	Advance payment received from bulk customers	12,507,739,093	-
	Cash received as Subsidy from Government	128,000,400,000	89,448,000,000
	Cash received from other operating income	6,080,474,712	5,525,944,939
	Cash paid to operating expenses	(519,670,906,100)	(412,789,832,472)
	Deposit to Govt. as surplus fund calculated by Govt.	(7,000,000,000)	(20,000,000,000)
	Income tax deducted at source	(7,389,615,186)	(1,395,169,278)
		34,570,041,173	**59,498,219,666**
B	**CASH FLOW FROM INVESTING ACTIVITIES**		
	Capital expenditure against PPE in cash	(3,461,027,565)	(4,408,044,195)
	Capital work in progress paid in cash	(28,867,400,927)	(38,216,464,503)
	Cash Investment in associated company	(1,500,000,000)	(3,000,000,000)
	Proceeds from sale of PGCB's shares	733,500,000	2,535,000,000
	Investment in savings certificates	(500,000,000)	-
	Consumers security deposit received	229,500,061	664,779,648
	Consumers security refunded	(840,000)	(383,053,164)
	Employees contribution to GPF	1,397,510,836	1,539,753,697
	GPF refunded to employee	(1,070,489,404)	(1,228,964,290)
	Profit on GPF credited to employee account	640,218,416	792,357,319
	Profit on GPF refunded to employee	(1,126,438,358)	(1,291,418,974)
	Dividend income	2,667,502,943	3,413,528,410
	Interest received on bank account	1,286,763,067	2,838,562,843
	Interest on advance to employee	23,170,430	26,964,734
	Interest received against FDR	3,241,936,626	3,339,254,874
	Investment in FDR	(5,074,888,910)	(14,485,197,429)
	Investment in FDR en-cashed	17,700,727,570	20,632,584,779
		(13,680,255,216)	**(27,230,356,251)**
C	**CASH FLOW FROM FINANCING ACTIVITIES**		
	Government loan drawn during the year	6,106,178,990	4,973,050,643
	Repayment of Govt. Loan-Principal	(7,975,119,966)	(3,446,497,732)
	DSL-Govt. Loan-Interest	(2,087,981,962)	(2,503,725,126)
	Foreign Loan drawn during the year	4,985,413,583	16,297,521,255
	Repayment of Foreign Loan	(29,963,817,062)	(14,475,587,212)
	DSL-Foreign Loan-Interest	(4,030,721,160)	(4,685,242,469)
	Loan from PSDF	1,568,309,032	38,800,898,912
	DSL-PSDF Loan-Interest	(1,554,982,032)	-
	Refund loan to Government	(762,755,472)	(54,406,000)
	DSL (Principal due)-PGCB,APSCL & WZPDCL (Except Cash) A/R Other	3,338,294,205	776,091,889
	DSL (Interest)-Note-PGCB,APSCL & WZPDCL (Except Cash) A/R Other	2,766,359,355	399,507,206
	Deposit work fund received	365,830,034	1,033,041,801
	Power sector development fund separation	-	(102,515,319,007)
	Capital contribution from GOB	9,089,948,278	7,459,575,965
	Refund equity to GOB	(3,328,924,865)	(81,609,000)
		(21,483,969,042)	(58,022,698,876)
	NET CASH INCREASE/(DECREASE) DURING THE YEAR	**(594,183,085)**	**(25,754,835,461)**
	CASH AND CASH EQUIVALENT-BEGINNING	**39,249,068,911**	**65,003,904,372**
	CASH AND CASH EQUIVALENT-ENDING	**38,654,885,826**	**39,249,068,911**

STATEMENT OF FINANCIAL POSITION (GENERATION & BULK)

AS AT JUNE 30, 2022

Amount in BDT

PROPERTY & ASSETS	AS AT 30-06-2022	AS AT 30-06-2021
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	727,056,050,323	691,142,586,265
LESS : ACCUMULATED DEPRECIATION	245,386,065,029	226,979,005,446
WRITTEN DOWN VALUE	**481,669,985,294**	**464,163,580,819**
PROJECT IN PROGRESS	92,955,911,723	108,261,819,859
INVESTMENT IN SHARES	32,212,670,417	30,873,543,133
TOTAL NON-CURRENT ASSETS	**606,838,567,434**	**603,298,943,811**
CURRENT ASSETS		
INVESTMENT	20,460,741,340	29,839,693,880
CASH IN HAND & AT BANK	27,374,056,556	29,059,584,773
ACCOUNTS RECEIVABLE - TRADE	76,347,501,686	93,536,715,416
ACCOUNTS RECEIVABLE - BULK	39,369,477,643	38,163,790,511
ACCOUNTS RECEIVABLE - OTHERS	10,337,673,840	14,288,786,732
ACCOUNTS RECEIVABLE - GOVERNMENT SUBSIDY	222,838,362,614	54,254,500,000
DEPOSIT TO GOVT. AS SURPLUS FUND CALCULATED BY GOVT.	47,000,000,000	40,000,000,000
ADVANCE TO CONTRACTORS & SUPPLIERS	8,954,008,873	3,323,389,062
ADVANCE TO EMPLOYEES	1,437,501,239	1,270,414,742
STOCK & STORES	31,948,107,737	33,082,774,260
SECURITY DEPOSIT TO OTHER UTILITIES	669,147,448	622,339,178
INCOME TAX DEDUCTION AT SOURCE	5,987,392,516	5,987,392,516
TOTAL CURRENT ASSETS	**492,723,971,492**	**343,429,381,070**
TOTAL PROPERTY & ASSETS	**1,099,562,738,926**	**946,728,324,881**

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF FINANCIAL POSITION (GENERATION & BULK)

AS AT JUNE 30, 2022

Amount in BDT

EQUITY & LIABILITIES	AS AT 30-06-2022	AS AT 30-06-2021
EQUITY & RESERVE		
PAID UP CAPITAL	157,039,217,658	156,682,608,215
RETAINED EARNINGS	(577,504,937,191)	(522,374,698,788)
APPRAISAL SURPLUS	281,709,455,417	281,709,455,417
GRANTS	5,101,939,930	5,087,812,642
LIQUIDITY DAMAGE RESERVE	72,053,500	72,053,500
ASSETS INSURANCE FUND	465,000,000	409,000,000
	(133,117,270,685)	**(78,413,769,014)**
NON-CURRENT LIABILITIES		
BUDGETARY SUPPORT FROM GOVT.	431,601,200,000	431,601,200,000
GOVERNMENT LOAN	50,834,414,914	54,208,582,454
FOREIGN LOAN	115,540,131,803	122,376,678,196
LOAN FROM POWER SECTOR DEVELOPMENT FUND	29,629,324,419	38,800,898,912
DEFERRED TAX	25,054,581,381	-
GPF & CPF	6,779,128,627	6,212,528,967
GRATUITY & PENSION FUND	8,623,466,885	9,609,362,447
	668,062,248,029	**662,809,250,976**
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	304,664,774,987	102,686,123,602
PAYABLE TO POWER SECTOR DEVELOPMENT FUND	6,266,929,207	12,792,859,707
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	1,114,602,077	1,103,741,941
CURRENT PORTION OF LONG TERM LIABILITIES	22,029,329,870	13,407,201,625
DEBT SERVICING LIABILITIES (PRINCIPAL)	48,142,096,718	57,771,285,202
REIMBURSABLE PROJECT AID	516,533,039	516,533,039
DEBT SERVICING LIABILITIES (INTEREST)	55,165,378,646	52,024,802,843
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	108,493,165,760	95,545,129,760
OTHER LIABILITIES	13,639,304,093	1,106,474,929
	560,032,114,398	**336,954,152,648**
CLEARING ACCOUNTS	4,585,447,182	25,378,690,269
TOTAL EQUITY & LIABILITIES	**1,099,562,538,926**	**946,728,324,881**

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, 2022

Amount in BDT

PARTICULARS	FY 2021-2022	FY 2020-2021
OPERATING REVENUE		
ENERGY SALES (BULK)	417,086,854,345	391,876,410,773
OTHER OPERATING INCOME	11,973,993,348	13,134,420,191
	429,060,847,693	**405,010,830,965**
OPERATING EXPENSES		
FUEL EXPENSES	34,895,765,958	29,947,744,619
PERSONNEL EXPENSES	5,689,165,232	5,536,084,123
OFFICE EXPENSES	347,973,821	341,578,059
REPAIR & MAINTENANCE EXPENSES	4,545,343,344	5,926,533,806
DEPRECIATION	17,842,011,920	16,792,950,243
TOTAL OWN GENERATION EXPENSES	**63,320,260,275**	**58,544,890,849**
ELECTRICITY PURCHASE FROM IPP	492,133,147,384	277,373,564,998
ELECTRICITY PURCHASE FROM INDIA	46,732,066,500	47,129,144,480
ELECTRICITY PURCHASE FROM RENTAL	27,894,297,072	33,282,381,364
ELECTRICITY PURCHASE FROM PUBLIC PLANT	70,137,464,414	69,170,328,105
GENERAL & ADMINISTRATIVE EXPENSES	3,614,784,239	3,642,693,899
TOTAL OPERATING EXPENSES	**703,832,019,883**	**489,143,003,695**
OPERATING INCOME / (LOSS)	**(274,771,172,191)**	**(84,132,172,730)**
FINANCING & OTHER CHARGES	6,569,718,565	5,085,983,112
INTEREST ON BUDGETARY SUPPORT FROM GOVT.	12,948,036,000	12,948,036,000
LOSS / (GAIN) DUE TO EXCHANGE RATE FLUCTUATION	6,585,825,808	109,260,587
ASSETS INSURANCE FUND	56,000,000	56,000,000
PROVISION FOR MAINTANANCE & DEVELOPMENT FUND	12,240,895,500	11,447,270,614
GAIN ON SALE OF SHARES	(573,173,925)	(2,073,599,682)
SUBSIDY FROM GOVT.	(296,584,262,614)	(117,779,100,000)
INCOME / (LOSS) BEFORE TAX	**(16,014,211,525)**	**6,073,976,639**
CURRENT TAX (TDS)	7,361,548,000	1,169,516,374
DEFERRED TAX	6,208,742,762	-
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	**(29,584,502,286)**	**4,904,460,265**
RETAINED EARNINGS		
BALANCE AS AT JULY 01, 2021	(522,374,698,788)	(545,054,114,966)
PREVIOUS YEAR'S ADJUSTMENT	(6,699,897,497)	17,774,955,912
PRIOR YEAR ADJUSTMENT FOR DEFERRED TAX RECOGNITION	(18,845,838,620)	-
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	(29,584,502,286)	4,904,460,265
BALANCE AS AT JUNE 30, 2022	**(577,504,937,191)**	**(522,374,698,788)**

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF FINANCIAL POSITION (DISTRIBUTION)

AS AT JUNE 30, 2022

Amount in BDT

PROPERTY & ASSETS	AS AT 30-06-2022	AS AT 30-06-2021
NON-CURRENT ASSETS		
UTILITY PLANT IN SERVICE	292,008,731,202	262,919,397,365
LESS : ACCUMULATED DEPRECIATION	91,056,943,211	85,475,332,995
WRITTEN DOWN VALUE	**200,951,787,991**	**177,444,064,369**
PROJECT IN PROGRESS	56,592,717,986	68,717,685,786
INVESTMENT IN SHARES	39,716,208,902	16,685,989,093
TOTAL NON-CURRENT ASSETS	**297,260,714,880**	**262,847,739,248**
CURRENT ASSETS		
INVESTMENT	11,949,509,532	14,689,240,725
CASH IN HAND & AT BANK	11,280,829,270	10,189,484,138
ACCOUNTS RECEIVABLE - TRADE	20,574,305,870	20,496,398,329
ACCOUNTS RECEIVABLE - OTHERS	6,371,297,447	3,479,468,726
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	978,205,539	943,284,546
STOCK & STORES	5,235,681,449	5,023,303,877
SECURITY DEPOSIT TO OTHER UTILITIES	19,159,557	4,461,770
INCOME TAX DEDUCTION AT SOURCE	330,252,188	330,252,188
TOTAL CURRENT ASSETS	**55,878,022,602**	**54,294,676,048**
TOTAL PROPERTY & ASSETS	**353,138,737,481**	**317,142,415,297**

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

Share Transfer from DPDC to BPDB.

STATEMENT OF FINANCIAL POSITION (DISTRIBUTION)

AS AT JUNE 30, 2022

Amount in BDT

EQUITY & LIABILITIES	AS AT 30-06-2022	AS AT 30-06-2021
EQUITY & RESERVE		
PAID UP CAPITAL	72,717,973,262	63,984,634,427
RETAINED EARNINGS	(76,164,917,447)	(67,061,918,616)
APPRAISAL SURPLUS	185,645,351,311	185,645,351,311
GOVT. EQUITY AGAINST DESCO'S SHARE	-	3,328,924,865
GRANTS	2,348,943,218	2,348,943,218
DEPOSIT WORK FUND	7,568,078,094	7,202,248,060
ASSETS INSURANCE FUND	135,000,000	121,000,000
	192,250,428,438	**195,569,183,265**
NON-CURRENT LIABILITIES		
GOVERNMENT LOAN	35,326,047,243	29,955,914,659
FOREIGN LOAN	8,908,267,975	8,736,225,607
DEFERRED TAX	8,896,877,872	-
SECURITY DEPOSIT (CONSUMERS)	5,824,389,475	5,595,729,414
GPF & CPF	4,346,921,976	4,105,695,366
GRATUITY & PENSION FUND	4,015,930,779	3,922,222,770
	67,318,435,321	**52,315,787,816**
CURRENT LIABILITIES		
ACCOUNTS PAYABLE	1,655,862,491	1,203,562,632
ACCOUNTS PAYABLE TO BPDB GENERATION & BULK	39,369,477,643	38,163,790,511
SECURITY DEPOSIT (CONTRACTORS & SUPPLIERS)	574,394,938	573,199,273
CURRENT PORTION OF LONG TERM LIABILITIES	1,139,075,075	1,403,135,950
DEBT SERVICING LIABILITIES (PRINCIPAL)	29,591,531,280	28,069,565,189
REIMBURSABLE PROJECT AID	507,754,421	507,754,421
DEBT SERVICING LIABILITIES (INTEREST)	22,612,117,686	20,937,269,951
OTHER LIABILITIES	990,895,589	975,762,726
	96,441,109,124	**91,834,040,653**
CLEARING ACCOUNTS	(2,871,035,401)	(22,576,596,437)
TOTAL EQUITY & LIABILITIES	**353,138,937,481**	**317,142,415,297**

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME (DISTRIBUTION)

FOR THE YEAR ENDED JUNE 30, 2022

Amount in BDT

PARTICULARS	AS AT 30-06-2022	AS AT 30-06-2021
OPERATING REVENUE		
ENERGY SALES (RETAIL)	88,301,182,087	83,129,393,101
OTHER OPERATING INCOME	2,653,430,110	3,157,631,666
	90,954,612,197	**86,287,024,768**
OPERATING EXPENSES		
POWER PURCHESE COST AS PER BST	76,797,521,243	73,595,041,084
TRANSMISSION EXPENSES FOR WHEELING CHARGE	2,474,239,824	2,438,939,736
TOTAL ENERGY IMPORT COST	**79,271,761,066**	**76,033,980,820**
PERSONNEL EXPENSES	3,995,168,537	3,868,629,862
OFFICE EXPENSES	372,770,796	342,528,170
REPAIR & MAINTENANCE EXPENSES	1,247,736,612	1,149,530,807
DEPRECIATION	5,501,607,665	6,455,966,386
PROVISION FOR BAD DEBTS	-	-
TOTAL DISTRIBUTION EXPENSES	**11,117,283,610**	**11,816,655,224**
GENERAL & ADMINISTRATIVE EXPENSES	1,146,572,913	950,965,074
TOTAL OPERATING EXPENSES	**91,535,617,589**	88,801,601,119
OPERATING INCOME / (LOSS)	**(581,005,392)**	**(2,514,576,351)**
FINANCING & OTHER CHARGES	841,771,005	959,245,258
LOSS / (GAIN) DUE TO EXCHANGE RATE FLUCTUATION	(469,950,545)	(101,768,281)
ASSETS INSURANCE FUND	14,000,000	14,000,000
INCOME / (LOSS) BEFORE TAX	**(966,825,853)**	**(3,386,053,327)**
CURRENT TAX	28,067,186	225,652,904
DEFERRED TAX	1,748,018,931	-
COMPREHENSIVE INCOME / (LOSS)	**(2,742,911,970)**	**(3,611,706,231)**
RETAINED EARNINGS		
BALANCE AS AT JULY 01, 2021	(67,061,918,616)	(75,407,909,400)
PREVIOUS YEAR'S ADJUSTMENT	788,772,079	11,957,697,015
PRIOR YEAR ADJUSTMENT FOR DEFERRED TAX RECOGNITION	(7,148,858,941)	-
COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR	(2,742,911,970)	(3,611,706,231)
BALANCE AS AT JUNE 30, 2022	**(76,164,917,447)**	**(67,061,918,616)**

K. M. ALAM & CO.
Chartered Accountants

DEWAN NAZRUL ISLAM & CO.
Chartered Accountants

INCOME STATEMENT AND BALANCE SHEET RATIOS

Name of Ratio	Formula	30-Jun-22		30-Jun-21	
		Calculations	Result	Calculations	Result
Operating Income Ratio	Operating Income	1,701,816,464.79	0.23%	9,996,769,444.05	1.92%
	Total operating revenue	726,514,905,079.12		520,348,910,478.67	
Rate of Return on Asset	Operating Income	1,701,816,464.79	0.25%	9,996,769,444.05	1.56%
	Operating Average fixed Assets	682,621,773,284.66		641,607,645,187.62	
Operating Expenses Ratio	Operating Expenses	15,948,640,761.34	2.20%	16,480,314,197.28	120.74%
	Operating revenue	726,514,905,079.12		520,348,910,478.67	
Current Ratio	Total Current Assets	598,132,262,335.65	0.97:1	425,120,791,883.61	1.08:1
	Total Current Liabilities	618,818,157,660.79		393,426,496,621.87	
Quick Ratio	Total Current Assets - Inventory	598,132,262,335.65-37,183,789,187.25	0.91:1	425,120,791,883.61-38,106,078,137.52	0.98:1
	Total Current Liabilities	618,818,157,660.79		393,426,496,621.87	
Debt-Equity Ratio	Total Long Term Debt	671,839,386,353.22	11.36:1	685,679,499,826.59	5.85:1
	Total Equity Capital	59,133,157,751.18		117,155,414,249.71	

Note: Current Assets Include PSDF current assets.The value of 2020-2021 has been restated with restructured financial statements.

CONSOLIDATED SCHEDULE OF EXPENSES

Amount in BDT

Head of Accounts	Generation Expenses	Distribution Expenses	Gen. & Admn. Expenses	Total Expenses FY 2021-2022	Total Expenses FY 2020-2021
Fuel Consumption for Generation					
Natural Gas	13,412,900,737	-	-	13,412,900,737	14,930,410,030
Liquid fuel	14,045,172,592	-	-	14,045,172,592	7,794,026,985
Coal	7,437,692,629	-	-	7,437,692,629	7,223,307,604
Sub-Total	**34,895,765,958**	**-**	**-**	**34,895,765,958**	**29,947,744,619**
Personnel Expenses	5,689,165,232	3,995,168,537	3,135,263,653	12,819,597,423	12,448,762,756
Office & Other Expenses	347,973,821	372,770,796	449,016,593	1,169,761,210	1,086,767,856
Repairs & Maintenance	4,545,343,344	1,247,736,612	532,026,692	6,325,106,648	7,606,645,185
Depreciation	17,842,011,920	5,501,607,665	645,050,214	23,988,669,798	23,865,284,631
Bad debts	-	-	-	-	-
Wheeling Charge	-	2,474,239,824	-	2,474,239,824	2,438,939,736
Sub-Total	**28,424,494,317**	**13,591,523,433**	**4,761,357,152**	**46,777,374,902**	**47,446,400,164**
Electricity Purchase				-	-
From IPP & SIPP.	492,133,147,384	-	-	492,133,147,384	277,373,564,998
From Rental Plant	27,894,297,072	-	-	27,894,297,072	33,282,381,364
From Public Plant	70,137,464,414	-	-	70,137,464,414	69,170,328,105
From India	46,732,066,500	-	-	46,732,066,500	47,129,144,480
Sub-Total	**636,896,975,370**	**-**	**-**	**636,896,975,370**	**426,955,418,947**
Financing & other charges	6,569,718,565	841,771,005	-	7,411,489,570	6,045,228,369
Interest on Budgetary Support	12,948,036,000	-	-	12,948,036,000	12,948,036,000
Power Sector Dev. Expenses	12,240,895,500	-	-	12,240,895,500	11,447,270,614
Provision for Assets Ins.	56,000,000	14,000,000	-	70,000,000	70,000,000
Exchange Rate Fluctuation	6,585,825,808	(469,950,545)	-	6,115,875,263	7,492,306
Sub-Total	**38,400,475,873**	**385,820,461**	**-**	**38,786,296,334**	**30,518,027,289**
Grand Total	**738,617,711,517**	**13,977,343,894**	**4,761,357,152**	**757,356,412,563**	**534,867,591,019**

DETAILS OF PERSONNEL EXPENSES

Amount in BDT

Head of Accounts	Generation Expenses	Distribution Expenses	General & Administrative Expenses	Total
Pay of Officers	471,017,459	247,930,731	417,560,490	**1,136,508,681**
Pay of Staff	903,577,245	708,579,742	334,022,042	**1,946,179,029**
Allowances of Officers	321,572,510	111,590,531	205,093,500	**638,256,541**
Allowances of Staff	661,610,040	435,179,613	212,099,821	**1,308,889,474**
Leave Encashment	57,375,828	32,720,355	37,750,767	**127,846,950**
Overtime Allowances (Single Rate)	154,062,698	110,994,972	50,325,986	**315,383,655**
Overtime Allowances (Double Rate)	598,071,883	435,994,982	121,209,363	**1,155,276,228**
House Rent Expenses	-	-	-	**-**
Medical Expenses	16,717,067	11,168,767	9,806,974	**37,692,808**
Bonus for Officers	106,427,410	58,909,977	93,048,220	**258,385,607**
Bonus for Staff	214,845,432	165,069,640	77,537,012	**457,452,084**
Bangla Nobo Barsho Allowance (For Officers)	7,887,776	4,368,281	6,961,390	**19,217,447**
Bangla Nobo Barsho Allowance (For Staff)	14,769,202	11,416,158	5,632,456	**31,817,816**
Employees Electricity Rebate	151,775,628	116,144,758	71,155,223	**339,075,608**
Interest as Subsidy on Employees House Building Loan	211,612	-	126,746	**338,358**
Workmen Compensation	-	-	-	**-**
Gratuity	-	-	-	**-**
Income Tax of Officers & Staff	-	-	-	**-**
Employees Other Benefit & Welfare Expenses	13,025,367	5,864,134	16,159,000	**35,048,501**
Reimbursement for Treatment of Accident (on duty) affected Employee	-	79,000	3,036,162	**3,115,162**
Board's Contribution to CPF	-	-	2,394,540	**2,394,540**
Board's Contribution to Pension Fund	1,408,925,961	1,019,131,587	981,906,118	**3,409,963,666**
Leave Encashment on Retirement	97,247,692	94,223,057	87,937,461	**279,408,210**
L. Salary & Pension Cont. for Trans. Govt. Employees	-	-	-	**-**
Honorarium Punishment/Reward Scheme	192,661,614	151,110,519	124,403,851	**468,175,984**
Honorarium Others	10,865,142	5,721,103	22,619,770	**39,206,015**
Wages for Hired Labour	286,517,667	268,970,630	90,960,664	**646,448,960**
Computerization of Commercial Operation	-	-	150,993,094	**150,993,094**
Service charge for collection of Electricity Bill by Mobile Phone Co.	-	-	12,523,003	**12,523,003**
Contract out- Commercial Operation activities	-	-	-	**-**
Interest on GPF/CPF	-	-	-	**-**
Total Personnel Expenses	**5,689,165,232**	**3,995,168,537**	**3,135,263,653**	**12,819,597,423**

DETAILS OF OFFICE AND OTHER EXPENSES

Amount in BDT

Head of Accounts	Generation	Distribution	General & Administrative	Total
Traveling Expenses/ Allowances(For Official)	55,590,422	79,830,326	58,822,957	**194,243,705**
Traveling Expenses (For Training)	9,218,090	2,421,278	8,954,335	**20,593,703**
Conveyance Charge	964,986	4,724,705	4,741,032	**10,430,723**
Washing Expenses	237,460	254,229	485,518	**977,207**
Representation & Entertainment	596,128	-	8,969,594	**9,565,722**
Stationary & Printing	15,138,868	64,104,468	48,464,360	**127,707,696**
Taxes, Licence & Fees	45,985,640	15,930,778	62,223,404	**124,139,821**
Office Rent	-	5,326,951	3,406,680	**8,733,631**
Water Charges	14,946,413	843,065	10,964,251	**26,753,729**
Electric Charges (Own use)	148,450,110	126,511,314	55,403,920	**330,365,344**
Electricity Rebate - Freedom fighters	73,531	3,278,253	-	**3,351,784**
Uniforms & Liveries	14,787,945	14,731,460	2,202,244	**31,721,649**
Post & Telegram	1,024,712	1,966,396	1,350,757	**4,341,865**
Telephone,Telex & Fax	5,888,653	11,824,296	5,719,060	**23,432,010**
Advertising & Promotion	26,411,557	35,682,844	60,042,540	**122,136,941**
Audit Fee	-	-	2,387,867	**2,387,867**
Legal Expenses (Lawyer's Fees & Court Fees)	272,780	4,847,300	8,113,136	**13,233,216**
Books & Periodicals	731,447	409,813	871,078	**2,012,337**
Donation & Contributions	6,776,579	-	2,244,016	**9,020,595**
Donation to sick Employees from Benevolent Fund	37,500	-	-	**37,500**
Training & Education	841,000	83,320	103,649,845	**104,574,165**
Training & Education- Foreign	-	-	-	**-**
Allocation of Gen. Admn. Exp.	-	-	-	**-**
Miscellaneous Expenses	-	-	-	**-**
Total Office & Other Expenses	**347,973,821**	**372,770,796**	**449,016,593**	**1,169,761,210**

BPDB Chairman and Board members with awardees at BPDB's Integrity Award and APA Implementation awards ceremony.

DETAILS OF REPAIR AND MAINTENANCE EXPENSES

Amount in BDT

Head of Accounts	Generation	Distribution	General & Administrative	Total
Petrol, Diesel & Lubricants Used for Transport	37,371,865	125,533,165	69,067,716	**231,972,746**
CNG Used for Vehicle	4,495,755	3,235,057	5,545,348	**13,276,160**
Petrol, Diesel & Lubricants Used for Other Equipment	156,943,100	-	-	**156,943,100**
Store & Spares Used	284,431,308	98,329,498	22,395,084	**405,155,890**
Store & Spares Used - Foreign	-	-	-	**-**
Store & Spares Used - Received from Other Stores	-	-	-	**-**
Custom Duties & Sale Tax	554,683,590	108,853,403	23,652	**663,560,645**
Vat	146,215,193	21,058	70,865	**146,307,116**
Vat - For Assets Manufacturing by BPDB	-	-	-	**-**
Demurrage & Warfront	-	-	-	**-**
Hire of Equipment	-	-	-	**-**
Freight & Handling	24,049,907	85,602,599	124,481	**109,776,988**
Insurance (For Goods & Property)	-	-	-	**-**
Insurance For Vehicle & other	2,151,613	774,887	1,102,947	**4,029,447**
Group Insurance Premium	-	-	32,688,360	**32,688,360**
Bank Charge & Commission	1,895,595	63,040,874	13,783,607	**78,720,076**
CDBL & Related Charges	-	-	3,141,671	**3,141,671**
Recruitment Expenses	-	-	17,931,796	**17,931,796**
Contractor's Fees	-	-	-	**-**
Offfice Maintenance	-	-	570,802	**570,802**
Store Maintenance	-	-	-	**-**
Consultant's Fee - Local	849,110	11,618,780	60,577,528	**73,045,418**
Consultant's Expenses - Foreign	944,354,226	53,551,354	21,947,366	**1,019,852,946**
Land & Land Rights	-	-	-	**-**
Structure & Improvement	67,555,647	84,523,951	190,698,104	**342,777,702**
Boiler Plant equipment	23,256,492	99,530	-	**23,356,022**
Engine & Engine Driven Generators	21,020,286	-	-	**21,020,286**
Generator	54,928,850	299,928	-	**55,228,778**
Prime Movers	22,513,590	-	-	**22,513,590**
Accessory Electric Equipment	45,258,609	38,572,363	196,150	**84,027,122**
Reservoir, Dams & Waterways	7,862,965	-	371,787	**8,234,752**
Water Wheels and Turbines	-	-	-	**-**
Roads, Rail Roads & Bridges	-	-	-	**-**
Fuel Holders, Producers & Accessories	-	-	-	**-**
Station Equipment	2,063,620,847	3,377,630	198,700	**2,067,197,177**
Towers and Fixtures	-	4,000	-	**4,000**
Poles & Fixtures	-	6,000	-	**6,000**
Overhead Conduct & Devices	30,525,867	477,974,019	5,393,219	**513,893,105**
Underground Conductors	-	-	-	**-**
Line Transformers	-	-	-	**-**
Transformer Manufacturing	-	97,661	-	**97,661**
Street Lighting and Signal Systems	-	-	-	**-**
Meter	46,528	-	-	**46,528**
Transportation Equipment	30,605,713	83,919,044	75,052,411	**189,577,168**
Heavy & Other Power Operated Equipment's	3,140,169	-	-	**3,140,169**
Office furniture & Equipment	1,180,971	5,625,113	7,727,733	**14,533,817**
Office Equipment (Computer, Monitor & Others)	415,649	19,270	111,375	**546,294**
Communication Equipments	3,500	-	-	**3,500**
Tools, Shop and Garage Equipments	-	2,162,654	1,476,148	**3,638,802**
Laboratory Equipment	-	-	-	**-**
Stores Equipment	15,966,399	494,774	1,291,859	**17,753,032**
Fire Fighting Equipment	-	-	537,982	**537,982**
Renewable Energy Promotion (Solar Power)	-	-	-	**-**
Miscellaneous Equipment	-	-	-	**-**
Total Repair & Maintenance	**4,545,343,344**	**1,247,736,612**	**532,026,692**	**6,325,106,648**

COMPARISION OF ELECTRICITY PURCHASE FROM IPP AND SIPP WITH PREVIOUS YEAR

Particulars	FY 2021-2022			FY 2020-2021		
	Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
RPC LTD. Mymensingh (210 MW)	1,106,935,572	4,130,993,792	3.73	1,150,056,632	3,840,313,302	3.34
BPDB RPCL PowerGen Ltd.	480,557,237	9,535,028,277	19.84	-	-	1.68
Haripur Power Ltd.	1,919,174,000	3,267,873,587	1.70	2,315,379,010	3,878,445,190	2.74
Meghnaghat Power Ltd.	2,140,792,000	5,709,336,569	2.67	2,276,324,250	6,238,656,026	2.87
Doreen Power Generation & System Ltd.-Feni	161,137,638	467,524,474	2.90	160,004,772	459,479,489	2.86
Doreen Power Generation & System Ltd.- Tangail	156,351,263	462,019,663	2.96	151,198,828	432,331,158	2.94
Regent Power Ltd.	147,081,880	453,755,759	3.09	157,765,152	463,450,991	3.65
Summit Purbachal Power Ltd.-Jangalia	232,729,909	945,539,654	4.06	258,257,635	941,362,032	4.20
Summit Meghnaghat Power Ltd.	1,524,542,505	6,428,574,957	4.22	1,559,093,909	6,547,648,630	3.16
Midland Power Company Ltd.	370,760,585	1,021,219,011	2.75	294,124,026	930,353,155	12.35
Raj Lanka Power Limited	234,706,041	3,656,894,613	15.58	146,308,138	1,806,686,667	11.88
Baraka Patenga Power Limited	232,871,760	3,620,246,651	15.55	198,921,600	2,363,521,802	11.48
Digital Power & Associates Ltd.	440,988,642	7,478,876,342	16.96	325,564,002	3,736,039,993	2.92
Regent Energy & Power Ltd.	360,724,103	1,472,507,201	4.08	591,450,096	1,726,171,586	3.27
United Power Generation & Distribution	193,143,360	642,881,762	3.33	205,400,640	671,909,952	15.93
RPCL 52MW Gazipur	209,417,122	3,793,092,964	18.11	112,666,731	1,794,318,893	13.62
RPCL 25MW Rawjan	80,466,131	1,502,164,876	18.67	68,409,238	932,009,423	13.99
Lakdhanvi Bangla Power Ltd.	217,114,112	3,654,069,728	16.83	159,349,441	2,229,819,012	13.50
ECPV Power Ltd.	407,101,368	7,158,148,504	17.58	190,254,480	2,569,220,856	38.65
Sinha People Energy Ltd.	25,438,560	497,991,030	19.58	21,026,448	812,740,081	10.57
ACE Alliance Power Ltd. (149MW) (Summit Gazipur)	809,133,408	13,339,615,719	16.49	791,750,046	8,370,704,611	22.02
United Ashugang Energy Ltd.	259,236,429	2,895,092,642	11.17	145,638,508	3,206,663,461	2.46
Summit Bibiyana II Power Company Ltd.	2,310,625,924	5,996,723,144	2.60	2,455,887,148	6,030,061,928	14.49
Summit Barishal Power Ltd.	62,791,776	2,313,583,188	36.85	218,608,608	3,167,467,899	11.44
Summit Narayangonj Power Unit II Ltd.	288,604,038	4,990,935,236	17.29	259,501,715	2,969,690,929	11.28
Doreen Southern Power Limited	311,143,774	5,040,225,092	16.20	237,896,381	2,684,321,524	11.39
Doreen Northern Power Limited	297,602,757	4,903,100,529	16.48	231,844,112	2,641,124,870	11.28
Power Pac Motiara - Jamalpur	13,945,632	307,097,193	22.02	289,737,408	3,268,082,838	3.45
Shahjanullah Power Generation Co. Ltd.	119,664,201	413,061,164	3.45	102,686,146	354,266,198	16.11
Engreen Solar	3,997,213	65,644,538	16.42	3,944,220	63,523,756	2.99
Kushiara Power Company Ltd.	1,038,532,925	3,185,653,217	3.07	1,065,571,452	3,184,203,020	11.47
M/S Banco Energy Generation Ltd.	376,975,008	5,969,027,473	15.83	309,349,044	3,548,402,788	105.72
Bangla Track Power Company Ltd.	159,163,968	6,736,713,233	42.33	39,585,792	4,185,097,685	31.38
Bangla Track Power Company Ltd. (Unit-2)	102,068,064	3,703,225,481	36.28	122,851,008	3,855,255,637	64.13
Aggreko Energy Solution Ltd. - Aorahati (100MW)	131,526,563	4,417,000,846	33.58	37,076,045	2,377,751,737	76.01
Aggreko Energy Solution Ltd. - Bhahmangoan (100MW)	120,485,001	4,245,841,612	35.24	28,478,637	2,164,581,074	88.90
APR Energy 300MW	259,472,196	10,835,439,637	41.76	72,053,121	6,405,636,446	-

Particulars	FY 2021-2022			FY 2020-2021		
	Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
United Mymensingh Power Ltd. (200MW)	1,052,002,800	17,447,304,343	16.58	1,019,821,200	11,669,327,634	11.44
Technaf Solartech Energy Ltd. (20MW)	37,555,078	452,146,681	12.04	33,438,191	394,598,682	11.80
Acron Infracture Service Ltd. (Unit-3)	586,327,094	8,847,932,285	15.09	610,561,267	6,065,069,101	9.93
Sembcorp NWPC Ltd. - Sirajgonj (282MW)	2,817,383,745	9,132,705,810	3.24	2,945,236,563	9,029,761,730	3.07
Paramount BTrac Energy Ltd. - Sirajgonj	104,571,634	5,791,953,269	55.39	21,514,556	3,887,016,999	180.67
Orion Power Rupsha Ltd. - Khulna (105MW)	540,193,296	9,038,681,251	16.73	361,167,408	4,586,519,321	12.70
Desh Energy Chandpur Power Company Ltd.	752,048,193	12,934,344,889	17.20	535,499,933	7,266,737,367	13.57
Midland East Power Company Ltd.	858,896,611	13,304,285,799	15.49	410,347,432	5,106,156,835	12.44
Baraka Shikalbaha Power Ltd. (105MW)	610,898,228	9,816,459,440	16.07	159,651,421	2,774,600,010	17.38
Confidence Power Ltd. - Rangpur (113MW)	623,970,029	10,001,094,642	16.03	494,399,990	5,671,576,724	11.47
Confidence Power Ltd. (Unit-1) - Bogra	613,355,712	10,097,178,928	16.46	468,193,056	5,469,183,763	11.68
Confidence Power Ltd. (Unit-2) - Bogra	655,152,288	10,851,170,802	16.56	447,810,720	5,606,954,875	12.52
United Jamalpur 200MW	627,954,216	10,830,596,553	17.25	538,471,740	6,669,811,635	12.39
Sympa Solar Power Limited	11,994,460	135,093,706	11.26	11,268,182	124,366,922	11.04
RPCL - Gazipur (105MW)	535,752,588	8,934,646,402	16.68	372,311,616	4,561,729,240	12.25
United - Anawara (300MW)	1,677,406,561	27,943,395,632	16.66	1,195,998,078	13,588,011,751	11.36
Zodiac Power Ctg. Ltd.	320,369,811	5,029,347,420	15.70	276,762,524	3,085,394,329	11.15
Karnaphuli Power Ltd.	693,947,514	10,738,505,984	15.47	85,058,900	2,177,111,311	25.60
Lanka Power Limited - Feni	329,452,681	5,721,652,913	17.37	193,243,406	2,993,516,085	15.49
HF Power Company Limited	577,999,758	8,906,890,033	15.41	551,060,311	5,951,666,116	10.80
Bangladsh -China Power Company (Pvt.) Ltd. 1320MW	3,998,490,350	55,395,607,066	13.85	3,811,921,991	32,764,848,584	8.60
Manikgonj Power Generations Limited (162MW)	1,041,083,049	16,458,006,350	15.81	344,555,626	4,667,375,064	13.55
HDFC SinPower Ltd. (50MW)	92,430,240	1,358,708,897	14.70	61,439,464	883,676,770	14.38
Anlima Energy Limited (116MW)	755,550,326	11,468,258,410	15.18	123,670,544	1,768,065,136	14.30
United Payra (150MW)	76,919,436	2,502,197,530	32.53	33,419,172	1,077,171,595	32.23
Spectra Solar Park	52,473,009	627,377,593	11.96	20,066,259	207,814,734	10.36
Tangail Palli Power Generation Ltd. (22MW)	149,421,480	2,365,086,053	15.83	71,669,647	890,544,548	12.43
Nutan Bidyut (Bangladesh) Ltd. (220MW)	1,653,494,918	4,973,733,765	3.01	160,931,128	284,039,503	1.76
Bhairab Power Limited (54.50MW)	198,278,640	3,361,477,855	16.95	70,305,840	877,217,319	12.48
Acron Infrastructure Services Ltd. Unit-2	512,083,584	8,055,322,054	15.73	687,711,168	7,359,103,192	10.70
Orion Power Sonargaon Ltd.	638,940,480	8,427,320,532	13.19	451,901,664	5,095,211,408	11.28
Chandpur Power Generation Lttd. (115MW)	205,345,603	3,713,184,400	18.08	-	-	10.91
EPV Thakurgoan Limited (115MW)	191,362,182	3,406,841,241	17.80	-	-	-
Kamchan Purbachal Power Generation Limited (55MW)	190,009,188	3,183,850,656	16.76	-	-	-
KEPZ 9.8 MW Solar	4,013,712	51,897,296	12.93	-	-	-
Energon Renewables (BD) Limited 100MW - Mongla	95,298,710	1,154,337,981	12.11	-	-	-
Summit Gazipur II Power Ltd. - Kodda (300MW)	1,421,077,329	24,417,833,567	17.18	1,280,252,848	13,968,072,079	-
TOTAL IPP & SIPP	**42,610,507,198**	**492,133,147,384**	**11.55**	**34,603,676,263**	**277,373,564,998**	**8.02**

COMPARISION OF ELECTRICITY PURCHASE FROM PUBLIC PLANTS WITH PREVIOUS YEAR

Particulars	FY 2021-2022			FY 2020-2021		
	Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
APSCL (Except New 573 MW)	347,574,918	2,516,021,467	7.24	711,938,656	3,725,662,841	5.23
APSCL (New 50 MW)	194,969,682	417,729,941	2.14	184,795,542	439,275,908	2.38
APSCL (225 MW)	1,579,703,499	5,245,040,830	3.32	1,574,330,675	5,139,666,301	3.26
APSCL (450 MW) South	2,135,112,449	8,036,514,579	3.76	1,955,572,989	7,571,323,434	3.87
APSCL (450 MW) North	2,017,615,091	5,960,985,814	2.95	2,088,923,729	5,900,126,978	2.82
SBU HARIPUR	-	-	-	-	247,733,903	-
EGCB Ltd.(210X2)MW	116,096,664	1,631,192,273	14.05	563,946,120	2,694,566,404	4.78
EGCB Ltd.(412)MW	1,981,733,402	4,954,975,092	2.50	1,803,485,796	5,421,654,625	3.01
EGCB Ltd.(360)MW	1,419,204,804	5,958,406,989	4.20	1,039,616,357	3,656,399,175	3.52
North West Power Gen (NWPGCL)-Sirajgonj	224,720,935	2,148,277,482	9.56	216,329,490	2,382,001,459	11.01
North West Power Gen (NWPGCL)-Sirajgonj (Unit - 2)	1,008,745,563	7,522,171,723	7.46	1,135,656,573	4,351,973,695	3.83
North West Power Gen (NWPGCL)-Sirajgonj (Unit - 3)	1,220,422,550	4,748,113,291	3.89	1,447,005,461	4,890,841,676	3.38
North West Power Gen (NWPGCL)-Khulna	437,277,714	11,138,939,273	25.47	279,080,308	7,770,389,923	27.84
North West Power Gen (NWPGCL)-Bheramara	1,966,292,933	6,934,357,044	3.53	2,706,234,738	7,636,097,844	2.82
North West Power Gen (NWPGCL)-Madhumati	98,005,392	2,787,875,557	28.45	11,607,408	1,485,423,700	127.97
North West Power Gen (NWPGCL)-6.55MW Solar PV	9,725,161	136,863,059	14.07	-	-	-
BPDB RPCL PowerGen Ltd.	-	-	-	387,788,703	5,857,190,239	15.10
Total Public Co. (Code No. 616)	**14,757,200,755**	**70,137,464,414**	**4.75**	**16,106,312,544**	**69,170,328,105**	**4.29**

COMPARISION OF ELECTRICITY PURCHASE FROM INDIA WITH PREVIOUS YEAR

Particulars	FY 2021-2022			FY 2020-2021		
	Unit kWh	Amount in Tk.	Cost/kWh	Unit kWh	Amount in Tk.	Cost/kWh
NVVN Ltd. - India 250 MW	1,793,326,113	5,794,486,872	3.23	1,753,307,564	5,479,226,567	3.13
NVVN Ltd. - India 160 MW (Tripura)	941,241,612	7,484,684,395	7.95	1,028,817,960	7,420,242,117	7.21
NVVN Ltd. - India 300 MW	2,548,677,500	15,199,300,879		2,539,050,000	14,200,174,815	5.59
Power Grid Corporation of India - 250MW	-	886,126,987	-	-	993,616,464	-
Power Grid Corporation of India - 160MW	-	140,021,274	-	-	179,663,490	-
PTC India Ltd. 200 MW	454,768,420	3,388,272,957	-	1,023,539,479	6,950,960,102	6.79
Sembcrop Energy India Ltd. 250MW	1,906,341,720	13,839,173,137	-	1,784,173,570	11,905,260,924	6.67
Total Import	**7,644,355,365**	**46,732,066,500**	**6.11**	**8,128,888,573**	**47,129,144,480**	**5.80**

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

Particulars	FY 2021-2022			FY 2020-2021		
	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
BARAKA POWER CO. LTD.	349,663,734	1,120,522,242	3.20	-	-	
SHAHJIBAZAR POWER CO. LTD.	619,933,776	2,194,442,394	3.54	605,484,672	2,039,822,897	3.37
DESH CAMBRIDGE, KUMERGOAN	75,345,178	273,009,147	3.62	61,412,951	235,977,144	3.84
ENERGYPRIMA, FENCHUGONJ	48,318,547	146,415,205	3.03	208,743,147	681,674,489	-
ENERGYPRIMA, BOGRA	-	-	-	27,878,796	96,666,127	3.27
ENERGYPRIMA, KUMARGAON	41,095,560	119,125,405	-	-	-	3.47
VENTURE ENERGY, BHOLA	189,564,498	672,491,504	3.55	199,537,974	796,370,803	3.99
SUMMIT NARAYANGONJ POWER LTD.	109,319,891	2,100,228,103	19.21	353,336,328	3,436,136,533	9.72
MAX POWER LTD.-GHORASAL	-	-	-	102,449,279	811,772,815	7.92
KPCL -UNIT-2	107,420,657	2,138,624,001	19.91	433,646,409	4,998,784,772	11.53
KHANJAHAN ALI POWER LTD.	29,896,435	586,325,265	19.61	92,282,785	1,363,243,262	14.77
IELCONSOURTIUM & ASSOCIATES	-	-	-	270,990,720	3,813,956,693	14.07
PRECISION ENERGY LTD.	276,586,308	1,257,886,706	4.55	208,806,744	1,091,909,673	-
ORION POWER MEGHNAGHAT LTD.	165,454,808	3,425,588,809	20.70	-	-	5.23
DUTCH BANGLA POWER & ASSOCIATES LTD.	161,026,042	3,250,631,030	20.19	366,362,581	4,588,701,719	12.53
ACRON INFRASTRUCTURE SERVICE LTD.	222,839,580	4,110,168,523	18.44	189,942,210	3,132,864,948	16.49
AMNURA(SINHA POWER GENERATION)	20,839,351	274,117,988	13.15	32,172,109	108,212,126	6.66
POWER PAC MUTIARA KERANIGONJ	91,903,200	2,515,217,918	27.37	217,866,024	1,792,998,493	8.23
NORTHERN POWER	66,336,489	1,696,707,045	25.58	21,344,414	224,115,126	10.50
AGGREKO INTERNATIONAL LTD.-BHOLA (95 MW)	103,561,853	1,327,286,944	12.82	559,103,805	2,310,334,606	4.13
GBB POWER LTD.	167,469,576	685,508,842	4.09	167,490,216	656,939,574	-
TOTAL RENTAL & QUICK RENTAL	**2,846,575,482**	**27,894,297,072**	**9.80**	**4,456,007,093**	**33,282,381,364**	**7.47**

Power Purchase agreement signing ceremony between BPDB & Five Rental Power Plants.

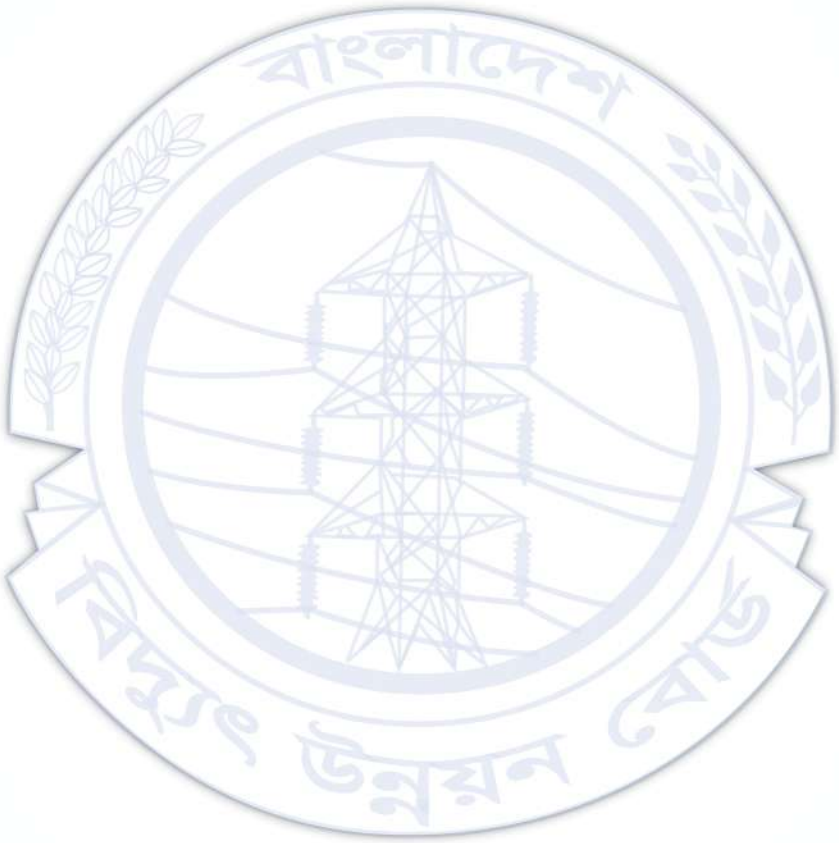
GENERATION COST (BPDB'S OWN POWER PLANT) FOR THE YEAR 2021-2022

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	37%	743,538,106	-	-	318,129,308	0.43	1,688,812,529	2.27	2,006,941,837	2.70
	Total Water	**230**	**37%**	**743,538,106**	**-**	**-**	**318,129,308**	**0.43**	**1,688,812,529**	**2.27**	**2,006,941,837**	**2.70**
2	Wind Base Power Station, Sonagazi 900KW	1	0%	(3,558)	-	-		-	11,259,815	-	11,259,815	-
	Wind Base Power Station, Kutubdia 900KW	1	8%	599,901	-	-	-	-	2,531,607	4.22	2,531,607	4.22
	Wind Base Power Station, Sirajgonj 2 MW	2	0%	(38,108)	-	-	-	-	12,487,695	-	12,487,695	-
	Total Wind	**4**	**2%**	**558,235**	**-**	**-**	**-**	**-**	**26,279,117**	**47.08**	**26,279,117**	**47.08**
3	7.4 MW Solar PV Power Plant at Kaptai	7	14%	9,220,827	-	-	100	0.00	143,521,677	15.56	143,521,777	15.56
	Total Solar	**7**	**14%**	9,220,827	-	-	100	0.00	143,521,677	15.56	143,521,777	15.56
4	Baghabari Power Station	171	3%	51,893,680	84,406,702	1.63	32,611,689	0.63	740,430,875	14.27	857,449,266	16.52
5	Ghorashal Power Station (Unit 1&2)	-	0%	-	-	-	-	-	448,226,236	-	448,226,236	-
6	Ghorashal Power Station (Unit 3)	260	0%	4,491,600	12,698,840	2.83	645,528	0.14	3,049,452,254	678.92	3,062,796,623	681.89
7	Ghorashal Power Station (Unit 4)	240	27%	432,377,000	603,489,331	1.40	43,392,503	0.10	817,678,737	1.89	1,464,560,571	3.39
8	Ghorashal Power Station (Unit 5&6)	190	29%	477,730,490	722,566,154	1.51	117,605,231	0.25	555,107,764	1.16	1,395,279,150	2.92
9	Ghorashal Power Station (Unit 7)	365	47%	1,514,663,501	1,416,146,970	0.93	50,471,425	0.03	3,345,842,408	2.21	4,812,460,804	3.18
10	Chittagong Power Station, Rawzan	360	18%	560,551,576	1,016,601,430	1.81	155,068,904	0.28	1,536,749,368	2.74	2,708,419,702	4.83
11	Shikalbaha Power Station (Dual Fuel)	150	7%	91,759,968	139,713,783	1.52	37,376,770	0.41	614,952,173	6.70	792,042,727	8.63
12	Kumergoan GT Power Sylhet	20	37%	65,637,000	123,130,918	1.88	6,859,689	0.10	106,441,192	1.62	236,431,800	3.60
13	Sylhet 225 MW Peaking Power Plant	231	64%	1,294,125,009	1,283,831,627	0.99	59,442,877	0.05	1,541,553,767	1.19	2,884,828,271	2.23
14	Fenchuganj 2x 90 MW Ccpp (1st & 2nd Unit)	201	31%	540,062,078	750,436,240	1.39	249,899,411	0.46	686,341,355	1.27	1,686,677,007	3.12
15	Shahjibazar Power Station	70	68%	416,665,550	697,209,000	1.67	89,803,635	0.22	480,448,151	1.15	1,267,460,786	3.04
16	Tongi Power Station	105	0%	(74,765)	-	-	-	-	390,026,306	-	390,026,306	-
17	Siddirgonj Power Station	115	0%	(1,053,808)	-	-	-	-	985,270,541	-	985,270,541	-
18	Chadpur CC Power Plant	163	51%	726,768,536	929,218,805	1.28	241,314,765	0.33	887,459,854	1.22	2,057,993,424	2.83
19	Bhola 225 MW CCPP	195	37%	633,957,607	768,427,187	1.21	105,567,757	0.17	2,537,243,750	4.00	3,411,238,694	5.38
20	Shahjibazar 330 CCPP	330	37%	1,079,194,056	1,259,063,061	1.17	502,623,138	0.47	3,458,705,974	3.20	5,220,392,173	4.84
21	Bibiyana-3 400MW	400	61%	2,139,346,500	1,885,911,190	0.88	70,995,256	0.03	883,564,547	0.41	2,840,470,994	1.33
22	Shahjibazar 100 P/S	100	7%	59,677,856	39,729,757	0.67	6,380,884	0.11	489,684,563	8.21	535,795,204	8.98
23	Bibiyana - South	383	75%	2,522,746,430	2,250,916,915	0.89	1,059,449	0.00	2,427,282,431	0.96	4,679,258,795	1.85
24	Shikalbaha 225 MW Shamipur (Dual Fuel)	225	38%	371,948,514	358,487,018	0.96	65,484,467	0.18	2,746,040,364	7.38	3,170,011,848	8.52
	Total Gas	**4,274**	**35%**	**12,982,468,378**	**14,341,984,929**	**1.10**	**1,836,603,378**	**0.14**	**28,728,502,615**	**2.21**	**44,907,090,922**	**3.46**
25	Barapukuria Power Station	220	13%	248,793,827	1,928,663,436	7.75	65,771,638	0.26	1,425,714,742	5.73	3,420,149,816	13.75
26	Barapukuria Power Station	274	46%	1,094,796,315	5,616,454,266	5.13	129,641,031	0.12	3,150,674,377	2.88	8,896,769,673	8.13
	Total Coal	**494**	**31%**	**1,343,590,142**	**7,545,117,701**	**5.62**	**195,412,669**	**0.15**	**4,576,389,119**	**3.41**	**12,316,919,489**	**9.17**
27	Khulna Power Station	-	0%	-	-	-	6,710,692	-	285,512,662	-	292,223,354	-
28	Baghabari 50 Peaking Power Plant	50	24%	106,132,634	1,672,339,853	15.76	45,962,113	0.43	326,243,581	3.07	2,044,545,547	19.26
29	Bera Peacking Power Plant	71	10%	60,148,245	913,342,823	15.18	46,030,553	0.77	399,089,828	6.64	1,358,463,204	22.59
30	Hathazari Peacking Power Plant	98	3%	28,044,085	313,674,702	11.19	20,353,803	0.73	554,245,700	19.76	888,274,206	31.67
31	Dohazari Peacking Power Plant	102	15%	131,892,360	1,850,600,272	14.03	106,981,217	0.81	659,230,727	5.00	2,616,812,217	19.84
32	Faridpur Peacking Power Plant	50	10%	42,848,640	521,167,915	12.16	29,375,686	0.69	346,241,596	8.08	896,785,197	20.93
33	Gopalgonj Peaking Power Plant	100	2%	18,612,822	264,045,762	14.19	13,679,038	0.73	680,693,959	36.57	958,418,759	51.49
34	Daudkandi Peacking Power Plant	52	23%	102,724,595	1,501,478,693	14.62	43,858,332	0.43	363,856,552	3.54	1,909,193,576	18.59
35	Shantahar 50MW Power Plant	50	16%	68,351,477	967,779,042	14.16	39,293,914	0.57	330,606,734	4.84	1,337,679,690	19.57
36	Katakhali 50MW Power Plant	50	15%	67,786,253	915,041,588	13.50	47,615,040	0.70	348,330,299	5.14	1,310,986,927	19.34
37	Chapainobabgonj Peaking PP 100 MW Amnura	100	29%	251,354,160	3,840,812,606	15.28	214,865,532	0.85	1,732,666,345	6.89	5,788,344,484	23.03
	Total HFO	**723**	**11%**	**877,895,271**	**12,760,283,257**	**14.54**	**614,725,921**	**0.70**	**6,026,717,982**	**6.86**	**19,401,727,160**	**22.10**
36	Bheramara Power Station	-	0%	(113,167)	889,017	(7.86)	-	-	260,280,274	-	261,169,291	-
37	Barishal Gas Turbine Power Station	-	0%	(188,971)	-	-	-	-	153,662,885	-	153,662,885	-
38	Bhola Diesel Power Station	-	-	-	-	-	-	-	17,310,213	-	17,310,213	-
39	Sayedpur Gas Turbine Power Station	20	1%	1,171,640	59,809,384	51.05	18,554,274	15.84	136,015,038	116.09	214,378,695	182.97
42	Rangpur Gas Turbine Power Station	20	1%	2,082,840	67,475,544	32.40	55,074,439	26.44	114,730,628	55.08	237,280,611	113.92
43	Kutubdia Diesel Generator	-	0%	-	15,375,556	-	-	-	27,608,944	-	42,984,500	-
44	Sandip Diesel Generator	-	0%	-	-	-	-	-	12,736	-	12,736	-
45	Hatiya Diesel Generator	2	22%	4,204,217	104,157,614	24.77	13,347,781	3.17	12,402,534	2.95	129,907,929	30.90
46	DGD, Dhaka	-	-	-	672,956	-	-	-	45,501,184	-	46,174,140	-
	Total Diesel	**275**	**0%**	**7,156,559**	**248,380,071**	**34.71**	**86,976,494**	**12.15**	**767,524,436**	**107.25**	**1,102,881,001**	**154.11**
	SBU Haripur	**20**	**0%**	**(347,975)**	**-**	**-**	**-**	**-**	**241,227,585**	**-**	**241,227,585**	**-**
	Grand Total (BPDB Own)	**6,027**	**30%**	**15,964,079,543**	**34,895,765,958**	**2.19**	**3,051,847,870**	**0.19**	**42,198,975,061**	**2.64**	**80,146,588,889**	**5.02**

Illumination on BPDB's Golden Jubilee celebration

Bidyut Bhaban

WAPDA Building


বাংলাদেশ
বিদ্যুৎ উন্নয়ন বোর্ড

Primary Grid System of Bangladesh

As on **June 2022**

Directorate of System Planning, BPDB

Legend :

- 400 KV LINE
- 230 KV LINE
- 132 KV LINE
- Existing Power Station
- Existing Grid Sub-Station
- Existing HVDC Grid Sub-Station

N

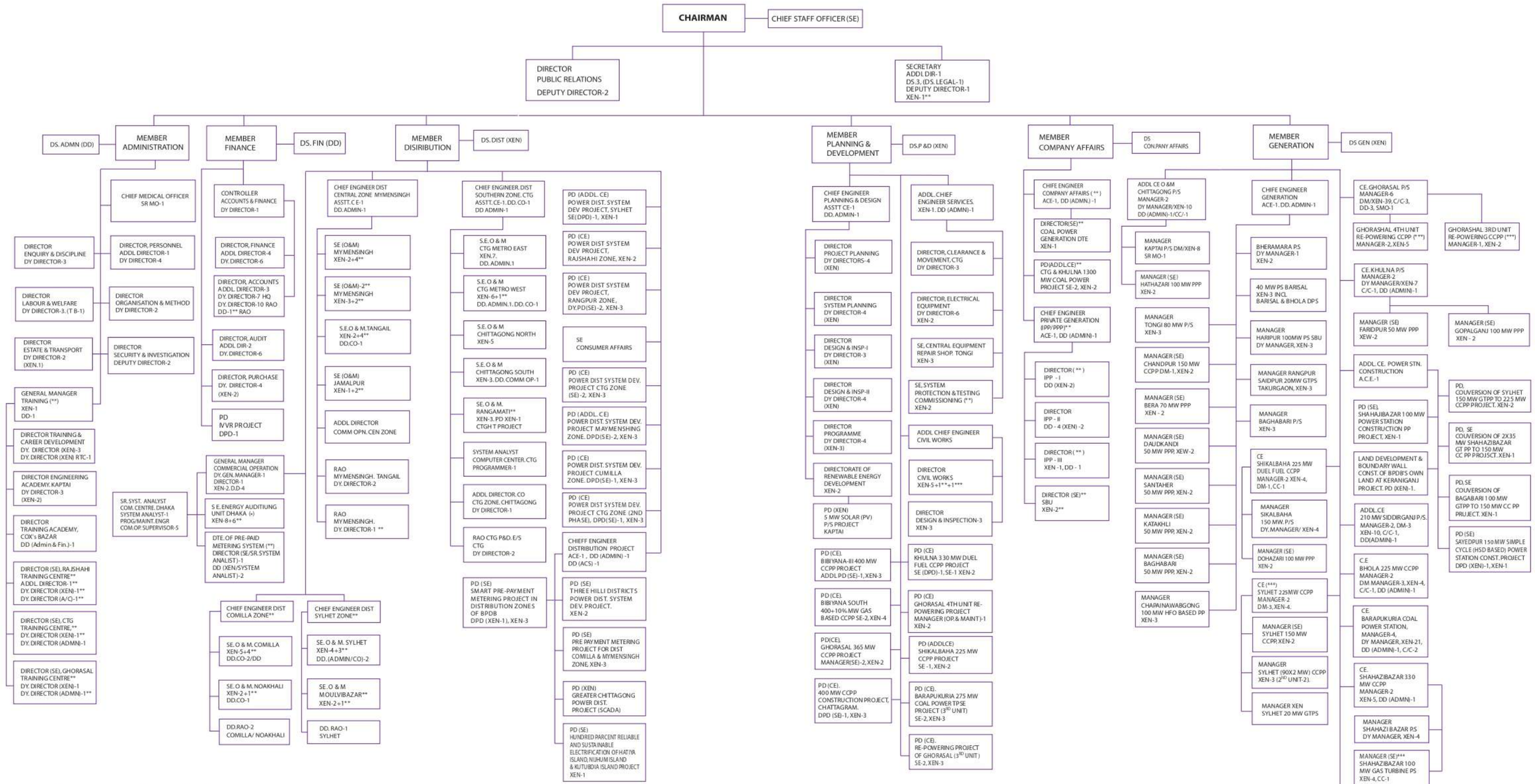
SCALE 0 10 20 30 40 50 100 KM

Tetulia
8 MW Solar
Panchagorh
164 MVA
Thakurgaon
191 MVA
Thakurgaon
115 MW HFO
Jaldhaka
150 MVA
20 MW G.T
Lalmonirhat
223 MVA
Saidpur
207 MVA
Rangpur
281 MVA
20 MW G.T
Kurigram
150 MVA
Purbasadipur
191 MVA
2 X 125 MW COAL
275 MW COAL
Barapukuria
750 MVA (230 KV)
157 MVA (132 KV)
Mithapukur
150MVA
Palashbari
232 MVA
Adani Power, India
Joypurhat
164 MVA
Santaher
50 MW
Mahahtanghar
240 MVA
Bogura Old
390 MVA
Bogura New
750 MVA
Rahanpur
Niamatpur
182 MVA
Naogaon
225 MVA
Ch. Nawabganj
211 MVA
Amnura
150 MVA
50 MW QR
104 MW
20 MW (Rental)
22 MW (Rental)
11.3 MW IPP
Sherpur (Bogura)
150 MVA
52 MW IPP
Natore
240 MVA
Rajshahi North
540 MVA
Rajshahi
230 MVA
Katakhali
50 MW QR
50 MW RE
Sirajganj
241 MVA
210 MW CCPP
220 MW CCPP
220 MW CCPP
414 MW CCPP
Ullapara
11 MW
Bhangura
150 MVA
Pabna
232 MVA
Rooppur
82 MVA
BERA 71
MW PEAK
2X500 MW
HVDC
Ishwardi
675 MVA (230 KV)
150 MVA (132 KV)
Baharampur, India
Bheramara
20 MW G.T
410 MW CCPP
Bheramara Grid
143 MVA
Shahajadpur
250 MVA
Bachabari
225 MVA
17.1 MW
32 MW PEAK
200 MW IPP
Chunadanga
191 MVA
Kushtia
240 MVA
Rajbari
150 MVA
Faridpur
281 MVA
54 MW
PEAKING
Jhenaidah
230/132
600 MVA
Jhenaidah
240 MVA
Magura
82 MVA
Narail
150 MVA
Gopalganj
100 MW PEAKING
100 MW PEAKING
Jashore
323.3 MVA
40 MW
100 MW
Noapara
143 MVA
Gopalganj (N)
650 MVA (400 KV)
240 MVA (132 KV)
Benapole
150 MVA
40 MW QR
105 MW RENTAL
100 MW HSD
Kh. Central
192 MVA
115 MW KPCL
230 MW NWPGCL
Kh. South
450 MVA
Gallamari
82 MVA
Rupsa
105 MW
Bagerhat
157 MVA
105 MW
Satkhira
202 MVA
Rampal
520 MVA
Bhandaria
82 MVA
Bagerhat
100 MW Solar
Mongla
82 MVA
Sherpur
225 MVA
Jamalpur
232 MVA
95 MW IPP
115 MW IPP
200 MW HFO
Shorisha Bari
3 MW SOLAR
Netrokona
157 MVA
Mymensingh
380 MVA
RPCL
210 MW CC
50 MW SOLAR
Bhaluka
240 MVA
Tangail
356 MVA
22 MW IPP
Kishoreganj
207.8 MVA
Rajendrapur
360 MVA
Joydevpur
245 MVA
Kodda p/s
Kodda Grid 132/33 KV
Kallakoir
650 MVA (400/132 KV)
1040 MVA (400/230 KV)
Kabirpur
360 MVA
Ashuganj
300 MVA (230 KV)
Basundhara
225 MVA
Narsingdi
Dhamrai
150 MVA
Tongi
105 MW G.T
300 MW IPP
Savar
225 MVA
Amin Bazar
675 MVA
Manikganj
150 MVA
Bhulta
1040 MVA (400 KV)
240 MVA (132 KV)
Uttara
Mirpur
270 MVA
Kamrangirchar
Kallyanpur
Ullon
Rampura
600 MVA
Natida
Dhanmondi
Matuail
Siddhiganj
Manikganj p/s
55 MW IPP
102 MW IPP
162 MW IPP
35 MW IPP
Maniknagar
Kamalapur
Shyampur
Haripur 240 MVA
2X32 MW G.T
360 MW IPP
412 MW CC
Hasnabad
55 MW IPP
Keraniganj
900 MVA
Sonargaon
150 MVA
Madanganj p/s
55 MW IPP
Munshiganj
600 MVA
240 MVA
Meghanghat
150 MVA
Sitalakheya
102 MW IPP
51 MW IPP
450 MW CC IPP
305 MW CC IPP
100 MW IPP
52 MW HFO
200 MW HSD
52 MW
Cumilla North
450 MVA
Cumilla South
300 MVA
Chandpur
150 MW CC
200 MW IPP
115 MW IPP
Kachua
150 MVA
225 MVA
Chauddagram
150 MW
114 MW IPP
22 MW SPP
11 MW SPP
Ramganj
150 MVA
54 MW IPP
45 MW SPP
33 MW SPP
Feni
240 MVA
Chowmuhoni
380 MVA
113 MW IPP
Shariatpur
240 MVA
Madaripur
101 MVA
Barishal (N)
600 MVA (230 KV)
285 MVA (132 KV)
Barishal
150 MVA
110 MW HFO
Patuakhali
191 MVA
150 MW HFO
Barguna
150 MVA
200 MVA
Bhola
194 MW CC
95 MW
33 MW
220 MW IPP
240 MVA (132 kv)
650 MVA(230/132kv)
Payra
1224 MW
Suryamaninagor, India
Khagrachori
78 MVA
Rangamati
82 MVA
Baroirhat
150 MVA
BSRM
280 MVA
GPH
AKSPL
380 MVA
Mirershorai
280 MVA (230/33)
25 MW GT
2X210 MW S.T
2X40 MW HYDRO
3X50 MW HYDRO
7 MW SOLAR
20 MVA
Raujan
Kaptai
Hathazari
600 MVA (230 KV)
195 MVA (132 KV)
95 MW Peak
Chandraghona
82 MVA
Baroaulia
240 MVA
Madunaghat
240 MVA
Kalurghat
240 MVA
Kulsi
240 MVA
Bakulia
203 MVA
Agrabad
240 MVA
Rampur
120 MVA
Halishahar
190 MVA
Shikalbaha
600 MVA
54 MW G.T
108 MW G.T
110 MW G.T
105 MW
Juldah
82 MVA
100 MW
100 MW
100 MW
Dohazari
150 MVA
102 MW PEAK
Sharmipur
128 MVA
Anowara
300 MW IPP
Sikalbaha
225 MW IPP
Bashkhali
Mararbari
82 MVA
Cox's Bazar
157 MVA
Teknaf
20 MW SOLAR
Bay of Bengal
Chhatak
81 MVA
Sunamganj
78 MVA
Sylhet
285 MVA
20 MW GT
231 MW CCPP
10 MW IPP
25 MW IPP
Beanibazar
150 MVA
Kulaura
82 MVA
341 MW IPP
400 MW CCPP
383 MW CCPP
Fenchunganj P/S
Bibiyana
1040 MVA (400 KV)
97 MW CCPP
51 MW IPP
104 MW CCPP
44 MW IPP
163 MW IPP
Fenchunganj
600 MVA
11 MW REB
2 X 35 MW G.T
86 MW
50 MW
330 MW CC
100 MW
236 MVA
Shahjibazar
Sreemangal
122 MVA
70 MW Q.R
B. Baria
261 MVA
Ghorashal
250 MVA
Haripur 240 MVA
2X32 MW G.T
360 MW IPP
412 MW CC
Sonargaon
150 MVA
Meghanghat
150 MVA
Cumilla North
450 MVA
Chandpur
150 MW CC
200 MW IPP
115 MW IPP
Kachua
150 MVA
225 MVA
Cumilla South
300 MVA
Chauddagram
150 MW
Feni
240 MVA
Chowmuhoni
380 MVA
Ramganj
150 MVA
Shariatpur
240 MVA
Madaripur
101 MVA
Barishal
150 MVA
Barishal (N)
600 MVA (230 KV)
285 MVA (132 KV)
Baroirhat
150 MVA
BSRM
280 MVA
AKSPL
380 MVA
Mirershorai
280 MVA (230/33)
Rangamati
82 MVA
Khagrachori
78 MVA
Raujan
Kaptai
20 MVA
Chandraghona
82 MVA
Hathazari
600 MVA (230 KV)
195 MVA (132 KV)
Baroaulia
240 MVA
Madunaghat
240 MVA
Kalurghat
240 MVA
Bakulia
203 MVA
Agrabad
240 MVA
Halishahar
190 MVA
Shikalbaha
600 MVA
Dohazari
150 MVA
Sharmipur
128 MVA
Juldah
82 MVA
Anowara
Sikalbaha
Bashkhali
Mararbari
82 MVA
Cox's Bazar
157 MVA
Teknaf
20 MW SOLAR
Bay of Bengal

ORGANISATION CHART OF BANGLADESH POWER DEVELOPMENT BOARD

(SHOWING POSITION DOWN TO XEN / DD AND EQUIVALENT)

As on June, 2022



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-105+14**, SR.SYSTEM ANALYST-1+1**,
SECRETARY/DIRECTOR (NON TECH)-13+1**, ADDL.DIRECTOR-13+1**,
XEN/DD/DS/DM-341+55** DD (NON TECH)-114+9**, SYSTEM ANALYST-2+1**
PRO/M.E/COMPUTER OPERATION SUPERVISOR-6, CC-11, SMO-4

TOTAL SANCTIONED STRENGTH- 19,161

(*) 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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