



বাংলাদেশ বিদ্যুৎ উন্নয়ন বোর্ড  
সবার সাথে সবার আগে



# *Annual Report* 2021-22



**Bangladesh Power Development Board**



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# *Annual Report* 2021-22



**Bangladesh Power Development Board**



## 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



Hon'ble 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**  
(October, 2022)



**Md Mahbubur Rahman**  
Chairman



**SK Aktar Hossain**  
Member (Finance)



**Md. Sayed Kutub**  
Member (Administration)



**Ms. Dewan Samina Banu**  
Member (Company Affairs)



**Md. Ashraful Islam**  
Member (Generation)



**Md. Shamsul Alam**  
Member (Distribution)



**Dhurjjati Prosad Sen**  
Member (P & D)

## About BPDB

Bangladesh Power Development Board (BPDB) is a statutory body established on May 31, 1972 by Presidential Order No. 59 after bifurcation of erstwhile Bangladesh Water and Power Development Authority. BPDB had started its operation with generation capacity of only 500 MW. In its 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. (NWPGL)
- 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 (Planning & 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    | <b>Installed Capacity of Power Plants as of June (MW):</b>  |              |              |                                 |
|      | <b>a) Public Sector</b>                                     |              |              |                                 |
|      | i) BPDB   | 6,013        | 6,013        | 0.00                            |
|      | ii) APSCCL  | 1,444        | 1,428        | -1.11                           |
|      | iii) EGCB   | 957          | 957          | 0.00                            |
|      | iv) RPCL  | 182          | 182          | 0.00                            |
|      | v) NWPGL  | 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>b) Private Sector:</b>                                   |              |              |                                 |
|      | i) IPP/SIPP   | 8,141        | 8,556        | 5.10                            |
|      | ii) Rental  | 1,089        | 424          | -61.07                          |
|      | iii) NENP (No Electricity No Payment)                       | 0            | 717          | -                               |
|      | <b>c) BREB (for PBS's only)</b>                             | 251          | 251          | 0.00                            |
|      | <b>d) Power Import</b>                                      | 1,160        | 1,160        | 0.00                            |
|      | <b>e) System Total Installed Capacity (MW)</b>              | 22,031       | 22,482       | 2.05                            |
| 2    | Maximum Peak Generation (MW)                                | 13,792       | 14,782       | 7.18                            |
| 3    | Maximum Peak Demand (MW) (forecasted)                       | 14,500       | 15,800       | 8.97                            |
| 4    | <b>Net Energy generation (MkWh):</b>                        |              |              |                                 |
|      | 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 Demand is shown as per Power System Master Plan 2016.



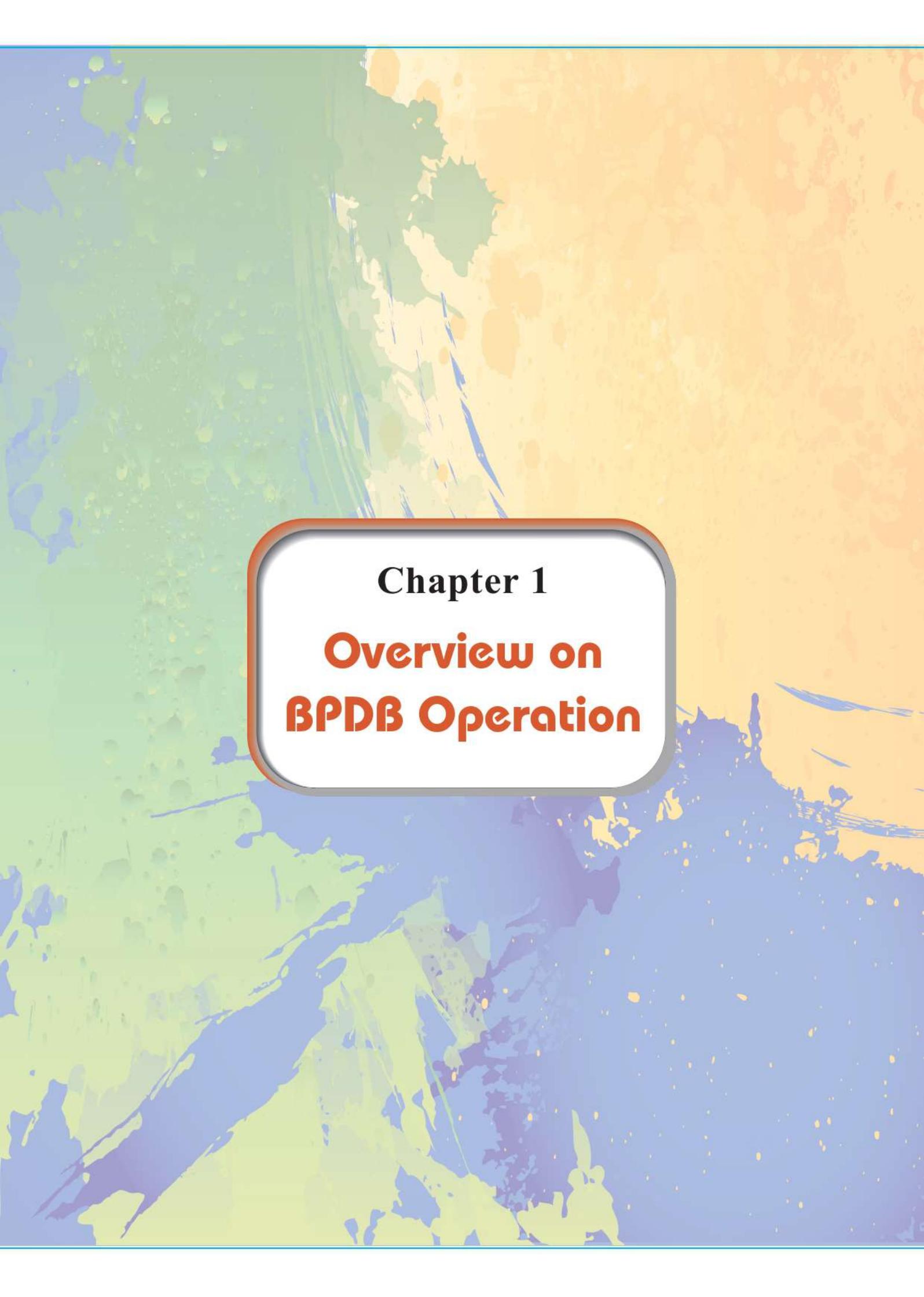
With a view to inspiring the young generation and countrymen, Hon'ble Prime Minister Sheikh Hasina conducted oath to uphold the ideology of Father of the Nation Bangabandhu Sheikh Mujibur Rahman on December 16, 2021. Chairman, Members and seniors officials of BPDB attended the oath taking program virtually.



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, Bidyut 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%)        |
| <b>TOTAL</b>         | <b>22,482 MW (100%)</b> | <b>TOTAL</b>    | <b>22,482 MW (100%)</b> |

## Energy Generation

Total net energy generation in FY 2021-22 was 85,607 M kWh, which was about 6.45% higher than previous year's net generation of 80,423 M kWh. Net energy generation in the public sector was 32,047 M kWh, 3,998 M kWh from Joint Venture and 41,850 M kWh in the private sector (including BREB). Another 7,712 M kWh 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%       |
| <b>Total</b>     | <b>85,607 (M kWh)</b> | <b>100%</b> |

## 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 CAPP                | 383                   | MI                               | 27/07/21                | 09/08/21        |
| 5.      | Baropukuria ST Unit-2                    | 125                   | OH                               | 01/08/2021              | Ongoing         |

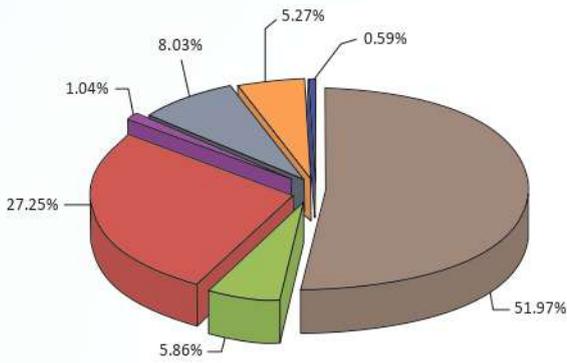


Chairman BPDB Engr. Md Mahbubur Rahman visited under construction Maitree Super Thermal Power Plant at Rampal on June 4, 2022.

## INSTALLED CAPACITY (NATIONAL) BY FUEL TYPE WITH COMPARISON

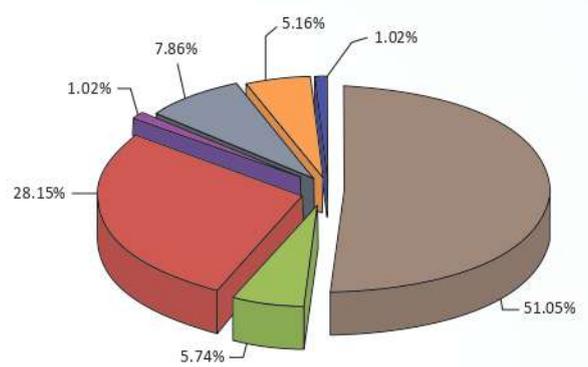


(FY 2020-21)



Total : 22,031 MW

(FY 2021-22)

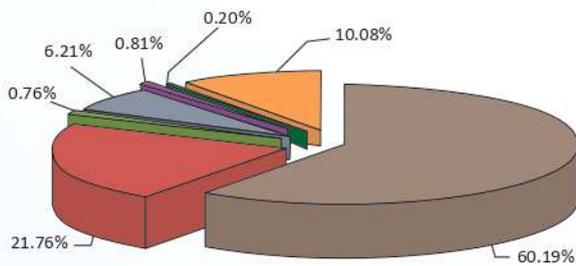


Total : 22,482 MW

## TOTAL NET GENERATION (NATIONAL) BY FUEL

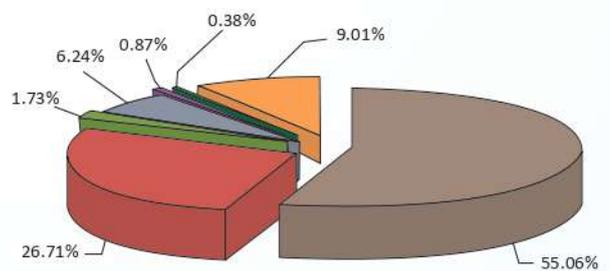


(FY 2020-21)



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                |
| <b>Total</b> |  | <b>1003.82 ckt.km</b> |

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)<br>[Commissioning of 1st & 2nd Transformer] | 150                        |
| 2                  | Amin bazar 400/230 kV Substation (3x520 MVA)   | 1560                       |
| 3                  | Jhenaidah 230/132kV Substation (2x225/300 MVA)<br>[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<br>(Commissioning of 1x80/120 MVA Transformer)                 | 120                        |
| 7                  | Sholashar 132/33 kV Substation<br>(Commissioning of 2x80/120 MVA Transformers)             | 240                        |
| 8                  | Kalurghat 132/33 kV Substation<br>(Commissioning of 2x80/120 MVA Transformers)             | 240                        |
| 9                  | Pyara 132/33 kV Substation (2x80/120 MVA)  | 240                        |
| <b>Total (MVA)</b> |  | <b>4080</b>                |

### 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<br>(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                         |
| <b>Total (MVA)</b> |   | <b>478</b>                  |

### 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          |
|     | <b>Total Transmission Line</b> | <b>13,888.69</b> |
|     | 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         |
| <b>Total</b>                          | <b>209</b>        | <b>57,682</b>  |

## 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<br>Hours/ Minutes | FY 2022<br>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                     |
|      | <b>Total</b>  | <b>368</b>             | <b>175</b> | <b>167/04</b>             | <b>144/56</b>             |

## 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        |
| <b>TOTAL</b>    | <b>401,345</b>             | <b>428,602</b> | <b>397,608</b>                | <b>418,075</b> | <b>98,170</b>                    | <b>103,377</b> | <b>5.30</b>                       | <b>99.07</b>        | <b>97.54</b> |



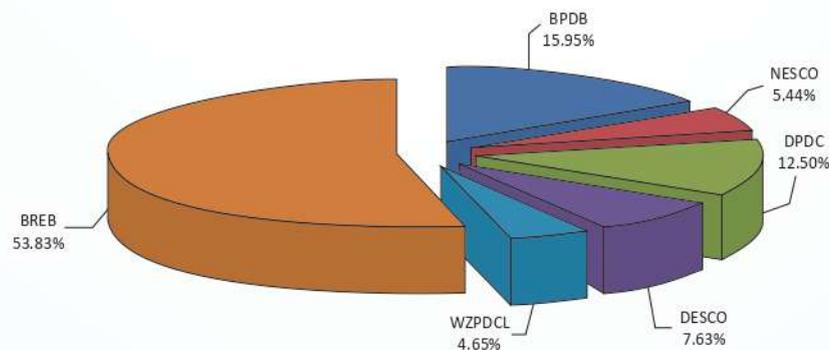
An Inter-Ministrial meeting on 'Guideline for Electrical vehicle charging' held at Bijoy Hall, Bidyut Bhaban. Adviser to the Hon'ble Prime Minister Dr. Tawfiq-e-Elahi Chowdhury BB and State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid, MP were present.

## 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        |
| <b>2021-22</b> | <b>13,015</b> | <b>4,440</b> | <b>10,199</b> | <b>6,229</b> | <b>3,796</b> | <b>43,927</b> | <b>81,606</b> |

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

### Computerized Billing system

BPDB has brought 100% consumers under computerized billing system in its four distribution zones namely Chattogram, Cumilla, Mymensingh and Sylhet. BPDB prepare their postpaid consumer bill through nine computer centers. Each computerized bill shows present month's billing amount along with previous month's payment and arrear status for consumers' acknowledgement. It improves billing system, revenue collection, decreases system loss and ensures better service to the consumers than the previous manual one. BPDB prepares approximately 21 lakhs post-paid customers bill monthly. These bills are prepared by nine computer centers of BPDB.

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

### Easy Bill pay

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

### 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:

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

### Smart Metering System

Smart Metering System provides utilities with the ability to monitor and control the meters at consumer end remotely. Now BPDB is focusing on installing smart meters to ensure better quality service to consumer. Smart meters have benefits for both consumer and utility. The main advantages of smart meters are as follows:

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

### 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 (%)<br>In Ratio of Total Consumer |
|--------------|------------|---|
| 1            | Chattogram | 45.61 %   |
| 2            | Cumilla    | 30.76 %   |
| 3            | Mymensingh | 35.11 %   |
| 4            | Sylhet     | 47.95 %   |
| <b>Total</b> |            | <b>39.72 %</b>                                      |

## 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 energy efficient lamps.
- o Industries operating in two shifts are being requested not to operate during peak hours.
- o Holiday staggering for industries has been implemented, which contributes about 200 MW load shifting.
- o Load Management Committee has been formed in every distribution zone/circle/division to monitor the proper load distribution during irrigation.

## Enterprise Resource Planning (ERP)

Power Division has taken proactive programs to carry forward the Vision 2021 of the government, utilizing the benefit of information and communication technology. In line with the concept of corporate management, Power Division is implementing Enterprise Resource Planning (ERP) software in all its utilities. As a nodal organization of the sector, Bangladesh Power Development Board has crafted its strategies to implement ERP software in all its offices including projects.

By this time, BPDB has introduced Enterprise Resource Planning (ERP) software in its business process. At present, four modules of ERP namely Human Resources & Payroll, Procurement, Fixed Asset and Financial Management modules are introduced. For successful and sustainable implementation of ERP, BPDB has formed module based Virtual ERP Cell. BPDB has taken initiatives to expand the scope of ERP software with the passage of time and need. With this new technology, it is expected that in the coming days BPDB will be able to deliver better services to its stakeholders.

## Innovation of BPDB

BPDB has an innovation team whose task is to compile an annual innovation work-plan of BPDB. This team arranges regular meetings and shortlists innovation ideas to be implemented in a fiscal year. BPDB has been participating in innovation show-casing every year arranged by Power Division. Since 2017, every year, new ideas and innovations are implemented in BPDB. Some of the innovations of BPDB in the past years are as below:

| Year    | Innovation List  |
|---------|--|
| 2017-18 | Up-gradation of Online New Connection Software for quick electricity connection to the customers.          |
| 2018-19 | Pension Management System for employees who are in PRL.<br>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.  |

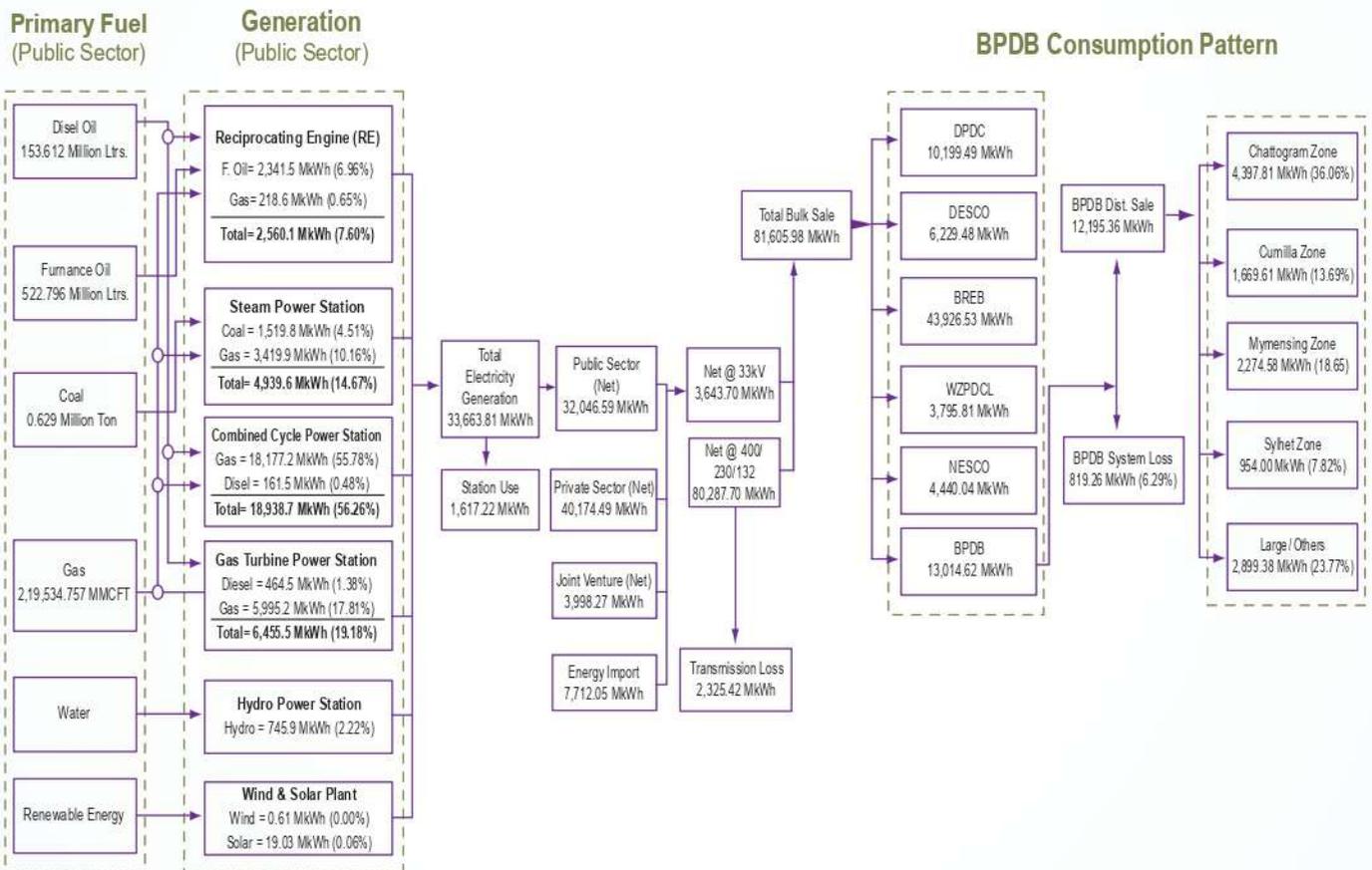


*Engr. Md Mahbubur Rahman, Chariman BPDB presided over a meeting on implementation of Enterprise Resource Planning (ERP) in BPDB.*

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

### 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         |
|     | <b>Total</b>  | <b>34</b>       | <b>13,103</b> |

### 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                   |
|     | <b>Total</b>        | <b>22</b>       | <b>2,577</b>            |

### 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                     |
|     | <b>Total</b>        | <b>4</b>        | <b>550</b>              |

### 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<br>FY (2021-22) |                   |        | Revised ADP<br>(FY 2021-22) |        |      |              |       | Expenditure incurred in<br>FY 2021-22 |        |      |              |       |
|---|------------------------------|-------------------|--------|-----------------------------|--------|------|--------------|-------|---------------------------------------|--------|------|--------------|-------|
|   | Total                        | GOB (own<br>fund) | PA     | Total                       | Local  | PA   | Self-finance |       | Total                                 | Local  | PA   | Self-finance |       |
|   |                              |                   |        |                             |        |      | (Own fund)   | (ECA) |                                       |        |      | (Own fund)   | (ECA) |
| Generation (without<br>own funded projects)   | 226527                       | 226527            | 215700 | 55835                       | 7101   | 6350 | 4883         | 37501 | 62671                                 | 7099   | 6411 | 10975        | 38185 |
| Generation (including<br>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<br>own funded projects)        | 319206                       | 319206            | 222178 | 210297                      | 154067 | 6350 | 12379        | 37501 | 218220                                | 152600 | 6411 | 21023        | 38185 |
| Total (including<br>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 |
|----------------------------|-------------------------------------|---------------|---------------|--------------|--------------------|
| <b>Public Sector</b>       |                                     |               |               |              |                    |
| 1.                         | Shikalbaha 150 MW                   | 150           | BPDB          | Gas          | 18 August, 2010    |
| 2.                         | Siddhirganj 2x120 MW GT             | 105           | EGCB          | Gas          | 14 October, 2010   |
| <b>Sub Total (Public)</b>  |                                     | <b>255</b>    |               |              |                    |
| <b>Private Sector</b>      |                                     |               |               |              |                    |
| 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  |
| <b>Sub Total (Private)</b> |                                     | <b>520</b>    |               |              |                    |
| <b>Total</b>               |                                     | <b>775</b>    |               |              |                    |

### Projects commissioned in 2011

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

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

### Projects commissioned in 2012

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

### Projects commissioned in 2013

| Sl. No.                    | Name of the Power Plant   | Capacity (MW) | Ownership | Type of Fuel | Commissioning Date |
|----------------------------|---------------------------|---------------|-----------|--------------|--------------------|
| <b>Public Sector</b>       |                           |               |           |              |                    |
| 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     |
| <b>Sub Total (Public)</b>  |                           | <b>587</b>    |           |              |                    |
| <b>Private Sector</b>      |                           |               |           |              |                    |
| 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   |
| <b>Sub Total (Private)</b> |                           | <b>576</b>    |           |              |                    |
| <b>Total</b>               |                           | <b>1163</b>   |           |              |                    |

### Projects commissioned in 2014

| Sl. No.                    | Name of the Power Plant                                     | Capacity (MW) | Ownership | Type of Fuel | Commissioning Date |
|----------------------------|---|---------------|-----------|--------------|--------------------|
| <b>Public Sector</b>       |   |               |           |              |                    |
| 1.                         | Sirajganj 150 MW PP Conversion                              | 68            | NWPGCL    | Gas/HSD      | 14 July, 2014      |
| <b>Sub Total (Public)</b>  |   | <b>68</b>     |           |              |                    |
| <b>Private Sector</b>      |   |               |           |              |                    |
| 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  |
| <b>Sub Total (Private)</b> |   | <b>567</b>    |           |              |                    |
| <b>Total</b>               |   | <b>635</b>    |           |              |                    |

## Projects Commissioned in 2015

| Sl. No.                    | Name of the Power Plant                     | Capacity (MW) | Ownership     | Type of Fuel | Commissioning Date |
|----------------------------|---|---------------|---------------|--------------|--------------------|
| <b>Public Sector</b>       |   |               |               |              |                    |
| 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  |
| <b>Sub Total (Public)</b>  |   | <b>560</b>    |               |              |                    |
| <b>Private Sector</b>      |   |               |               |              |                    |
| 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  |
| <b>Sub Total (Private)</b> |   | <b>797</b>    |               |              |                    |
| <b>Total</b>               |   | <b>1,357</b>  |               |              |                    |

## Projects Commissioned in 2016

| Sl. No.                    | Name of the Power Plant                | Capacity (MW) | Ownership | Type of Fuel | Commissioning Date                           |
|----------------------------|--|---------------|-----------|--------------|--|
| <b>Public Sector</b>       |  |               |           |              |  |
| 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<br>ST: 20 December, 2016 |
| <b>Sub Total (Public)</b>  |  | <b>775</b>    |           |              |  |
| <b>Private Sector</b>      |  |               |           |              |  |
| 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                            |
| <b>Sub Total (Private)</b> |  | <b>370</b>    |           |              |  |
| <b>Total</b>               |  | <b>1,145</b>  |           |              |  |

## Projects Commissioned in 2017

| Sl. No.                    | Name of the Power Plant      | Capacity (MW) | Ownership | Type of Fuel | Commissioning Date |
|----------------------------|------------------------------|---------------|-----------|--------------|--------------------|
| <b>Public Sector</b>       |                              |               |           |              |                    |
| 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   |
| <b>Sub Total (Public)</b>  |                              | <b>967</b>    |           |              |                    |
| <b>Private Sector</b>      |                              |               |           |              |                    |
| 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    |
| <b>Sub Total (Private)</b> |                              | <b>220</b>    |           |              |                    |
| <b>Total</b>               |                              | <b>1,187</b>  |           |              |                    |

## Projects Commissioned in 2018

| Sl. No.                   | Name of the Power Plant          | Capacity (MW) | Ownership | Type of Fuel | Commissioning Date |
|---------------------------|----------------------------------|---------------|-----------|--------------|--------------------|
| <b>Public Sector</b>      |                                  |               |           |              |                    |
| *                         | 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 |
| <b>Sub Total (Public)</b> |                                  | <b>1,349</b>  |           |              |                    |
| <b>Private Sector</b>     |                                  |               |           |              |                    |
| 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, Keraniganj 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    |
| <b>Sub Total (Private)</b> |                                    | <b>2,914</b>  |           |              |                      |
| <b>Total</b>               |                                    | <b>4,381</b>  |           |              |                      |

### Projects Commissioned in 2019

| Sl. No.                   | Name of the Power Plant                    | Capacity (MW) | Ownership | Type of Fuel | Commissioning Date                              |
|---------------------------|--|---------------|-----------|--------------|---|
| <b>Public Sector</b>      |  |               |           |              |   |
| 1.                        | Sirajganj 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<br>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                           |
| <b>Sub Total (Public)</b> |  | <b>814</b>    |           |              |   |
| <b>Private Sector</b>     |  |               |           |              |   |
| 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  |
| <b>Sub Total (Private)</b> |                                    | <b>1,590</b>  |           |              |                    |
| <b>Total</b>               |                                    | <b>2,404</b>  |           |              |                    |

### Projects Commissioned in 2020

| Sl. No.                    | Name of the Power Plant                                  | Capacity (MW) | Ownership     | Type of Fuel  | Commissioning Date   |
|----------------------------|--|---------------|---------------|---------------|--|
| <b>Public Sector</b>       |  |               |               |               |  |
| 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 (NWPGL) | Imported Coal | 15 May, 2020 (1 <sup>st</sup> Unit)<br>8 December, 2020 (2 <sup>nd</sup> Unit) |
| <b>Sub Total (Public)</b>  |  | <b>709</b>    |               |               |  |
| <b>Private Sector</b>      |  |               |               |               |  |
| 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  |
| <b>Sub Total (Private)</b> |  | <b>438</b>    |               |               |  |
| <b>Total</b>               |  | <b>1,771</b>  |               |               |  |

## Projects Commissioned in 2021

| Sl. No.                    | Name of the Power Plant                       | Capacity (MW) | Ownership | Type of Fuel | Commissioning Date |
|----------------------------|---|---------------|-----------|--------------|--------------------|
| <b>Public Sector</b>       |   |               |           |              |                    |
| 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     |
| <b>Sub Total (Public)</b>  |   | <b>749</b>    |           |              |                    |
| <b>Private Sector</b>      |   |               |           |              |                    |
| 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  |
| <b>Sub Total (Private)</b> |   | <b>730</b>    |           |              |                    |
| <b>Total</b>               |   | <b>1,479</b>  |           |              |                    |

## Projects Commissioned in 2022 (Up to June)

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

## 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             |
|----------------------------------|--|---------------|--------------|---------------|---|
| <b>Public Sector</b>             |  |               |              |               |   |
| 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<br>ST: November 2022 |
| 4.                               | Sirajganj 2 MW Wind based Power Plant                  | 2             | BPDB         | Wind          | December, 2022                          |
| <b>Sub Total (Public)</b>        |  | <b>617</b>    |              |               |   |
| <b>Joint Venture</b>             |  |               |              |               |   |
| 1.                               | BIFPCL, Rampal, Coal Fired Power Plant; U#1            | 617           | BIFPCL       | Imported Coal | December, 2023                          |
| <b>Sub Total (Joint Venture)</b> |  | <b>617</b>    |              |               |   |
| <b>Private Sector</b>            |  |               |              |               |   |
| 1.                               | Lalmonirhat 30 MW Solar Park                           | 30            | IPP          | Solar         | August, 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                          |
| <b>Sub Total (Private)</b>       |  | <b>996</b>    |              |               |   |
| <b>Import</b>                    |  |               |              |               |   |
| 1.                               | Adani Power, Jharkhand India, 1st Unit                 | 748           | Import       | Import        | December, 2022                          |
| <b>Sub Total (Import)</b>        |  | <b>748</b>    |              |               |   |
| <b>Total</b>                     |  | <b>2,978</b>  |              |               |   |

## Projects to be Commissioned in 2023

| Sl. No.                          | Name of the Power Plant   | Capacity (MW) | Ownership     | Type of Fuel  | Expected Commissioning Date |
|----------------------------------|---|---------------|---------------|---------------|-----------------------------|
| <b>Public Sector</b>             |   |               |               |               |                             |
| 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              |
| <b>Sub Total (Public)</b>        |   | <b>1,382</b>  |               |               |                             |
| <b>Joint Venture</b>             |   |               |               |               |                             |
| 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              |
| <b>Sub Total (Joint Venture)</b> |   | <b>750</b>    |               |               |                             |
| <b>Private Sector</b>            |   |               |               |               |                             |
| 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.                               | Jalalpur 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              |
| <b>Sub Total (Private)</b>       |   | <b>2,969</b>  |               |               |                             |

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

### Projects to be Commissioned in 2024

| Sl. No.                          | Name of the Power Plant  | Capacity (MW) | Ownership            | Type of Fuel  | Expected Commissioning Date        |
|----------------------------------|--|---------------|----------------------|---------------|------------------------------------|
| <b>Public Sector</b>             |  |               |                      |               |                                    |
| 1.                               | Matarbari 1200 MW USCPP  | 1128          | CPGCB                | Imported Coal | January 2024<br>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.                               | Mymensingh 360 MW CCPP   | 420           | RPCL                 | Gas/HSD       | GT: June 2024<br>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                     |
| <b>Sub Total (Public)</b>        |  | <b>4,438</b>  |                      |               |                                    |
| <b>Joint Venture</b>             |  |               |                      |               |                                    |
| 1.                               | Potuakhali 1320 Coal Fired Power Plant   | 1,244         | RNPL                 | Imported Coal | March 2024<br>August 2024          |
| 2.                               | Payra, Potuakhali 1200-1320 Coal Fired Power Plant (2nd Phase)                           | 1,244         | BCPCL                | Imported Coal | June 2024<br>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                     |
| <b>Sub Total (Joint Venture)</b> |  | <b>2,638</b>  |                      |               |                                    |
| <b>Private Sector</b>            |  |               |                      |               |                                    |
| 1.                               | Sonagazi, Feni 30 MW Wind Power Plant  | 30            | IPP                  | Wind          | June, 2024                         |
| 2.                               | Moulvibazar, 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              |
| <b>Sub Total (Private)</b> |   | <b>614</b>    |           |              |                             |
| <b>Total</b>               |   | <b>7,690</b>  |           |              |                             |

### Projects to be Commissioned in 2025

| Sl. No.                    | Name of the Power Plant  | Capacity (MW) | Ownership | Type of Fuel | Expected Commissioning Date |
|----------------------------|--|---------------|-----------|--------------|-----------------------------|
| <b>Public Sector</b>       |  |               |           |              |                             |
| 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           | APSC      | Solar        | December 2025               |
| <b>Sub Total (Public)</b>  |  | <b>843</b>    |           |              |                             |
| <b>Private Sector</b>      |  |               |           |              |                             |
| 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              |
| <b>Sub Total (Private)</b> |  | <b>138</b>    |           |              |                             |
| <b>Total</b>               |  | <b>981</b>    |           |              |                             |

## Projects to be Commissioned in 2026

| Sl. No.                    | Name of the Power Plant   | Capacity (MW) | Ownership    | Type of Fuel  | Expected Commissioning Date |
|----------------------------|---|---------------|--------------|---------------|-----------------------------|
| <b>Public Sector</b>       |   |               |              |               |                             |
| 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.                         | Mymensingh 400 MW CCPP  | 400           | BR Power Gen | LNG           | Dec, 2026                   |
| <b>Sub Total (Public)</b>  |   | <b>2,337</b>  |              |               |                             |
| <b>Private Sector</b>      |   |               |              |               |                             |
| 1.                         | Anowara 590 MW CCPP (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                   |
| <b>Sub Total (Private)</b> |   | <b>2,335</b>  |              |               |                             |
| <b>Total</b>               |   | <b>4,672</b>  |              |               |                             |

## Projects to be Commissioned in 2027

| Sl. No.                          | Name of the Power Plant                         | Capacity (MW) | Ownership | Type of Fuel | Expected Commissioning Date |
|----------------------------------|---|---------------|-----------|--------------|-----------------------------|
| <b>Public Sector</b>             |   |               |           |              |                             |
| 1.                               | Shiddirgonj 400±10% MW CCPP                     | 550           | BPDB      | LNG          | June 2027                   |
| 2.                               | Gazaria 600MW LNG Based Power Plant             | 660           | RPCL      | LNG          | June 2027                   |
| <b>Sub Total (Public)</b>        |   | <b>1,210</b>  |           |              |                             |
| <b>Joint Venture</b>             |   |               |           |              |                             |
| 1.                               | LNG based 1200 MW CCPP at Moheshkhali-Phase-1   | 1,164         | BPDB      | LNG          | June, 2027                  |
| <b>Sub Total (Joint Venture)</b> |   | <b>1,164</b>  |           |              |                             |
| <b>Private Sector</b>            |   |               |           |              |                             |
| 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.                               | Rayapura, Narsingdi 120 MW Solar PV Power Plant | 120           | APSCL     | Solar        | December, 2027              |
| <b>Sub Total (Private)</b>       |   | <b>782</b>    |           |              |                             |
| <b>Total</b>                     |   | <b>3,156</b>  |           |              |                             |

## 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 Project on 22 nos. Government Building (8237.35 m<sup>2</sup> 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, Bangladesh & S.M.E. Electrical Private Limited, Singapore.
- ✧ 50 MW Grid Tied Solar Power Plant near Bariahaat 132/33 kV grid substation.
- ✧ 50 MW Grid Tied Solar Power Plant near Chuadanga 132/33 kV grid substation
- ✧ 50 MW Grid Tied Solar Power Plant near Netrokona 132/33 kV grid Substation.
- ✧ 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        | Cumulative 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            |



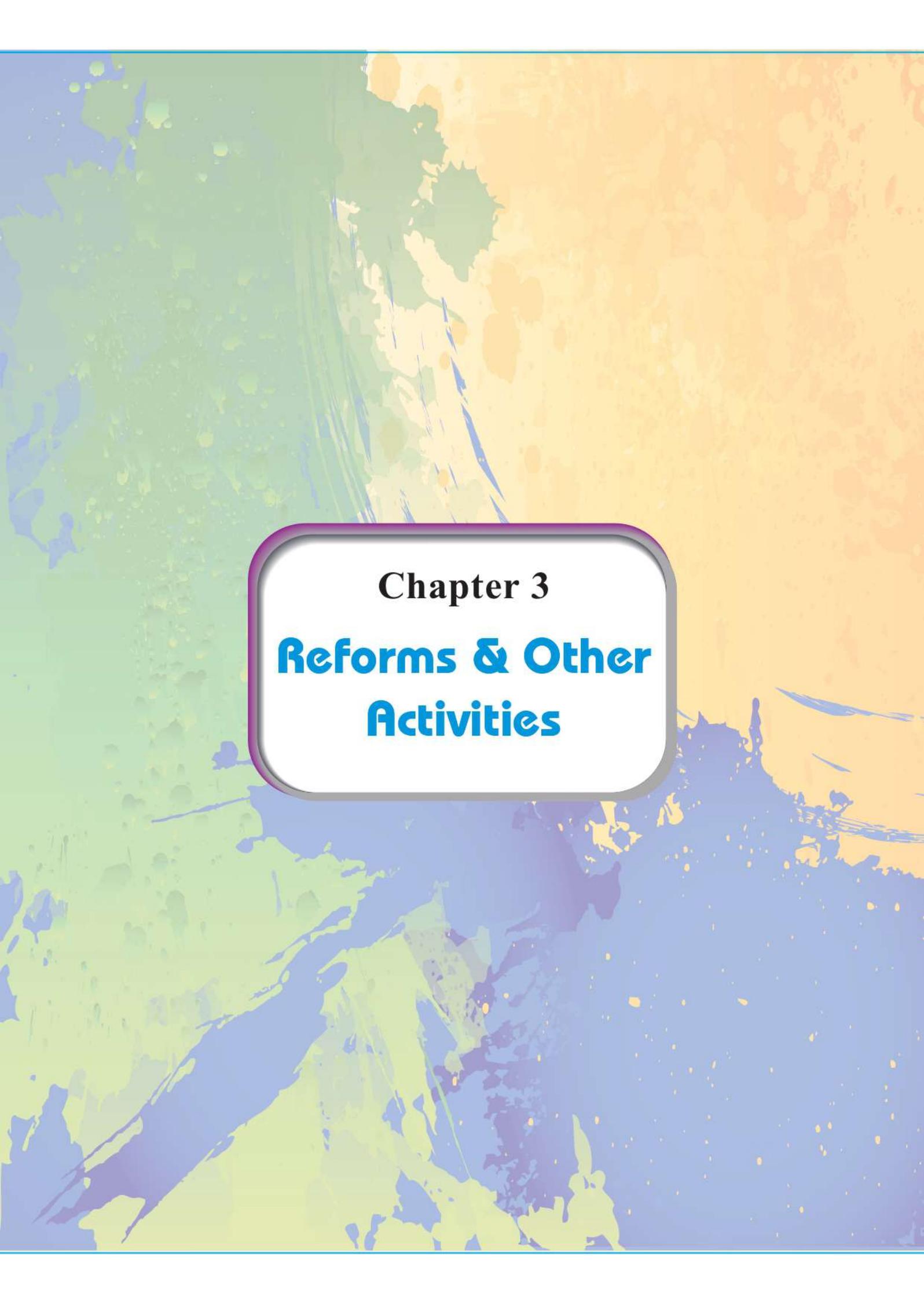
Power Purchase Agreement (PPA) was signed between BPDB and Waste to Energy Power Plant North Dhaka (Pvt.) Limited to establish 42.5 MW power plant at Aminbazar.



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 (NWPGL) was created in 2008 as a subsidiary company of BPDB.. NWPGL has implemented 225 MW Combined Cycle Power Plant at Sirajganj (1st unit) , 225 MW Combined Cycle Power Plant at Sirajganj (2nd unit), 225 MW Combined Cycle Power Plant at Sirajganj (3rd unit) , 225 MW Combined Cycle Power Plant at Khulna , 410 MW Combined Cycle Power Plant at Bheramara , 6.55 MW grid connected solar plant at Sirajganj and 100 MW power plant at Modhumoti, Bagerhat. NWPGL JV with CMC, China named as BCPL, which is implemented 2x660 MW coal-based power plant (1st phase) at Paira, Potuakhali.
- ❑ BPDB is in the process of indentifying Strategic Business Unit (SBU) for its generation and distribution sectors as a new reform initiative. Functional and financial performance of the SBUs will be operated like components of a corporate body and will be evaluated separately under the legal frame work of existing BPDB structure.

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

## HRD Activities

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

BPDB has been implementing all its training programs through Directorate of Training & Career Development. Training Academy at Kaptai, four regional training centers and two specialized training center for power plants are providing training courses for technical and non-technical manpower of power sector entities. Regional Training Centers of BPDB are located at Tongi, Rajshahi, 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

### 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                   |
| <b>Total</b> |  | <b>719</b>    | <b>15899</b>          |



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**

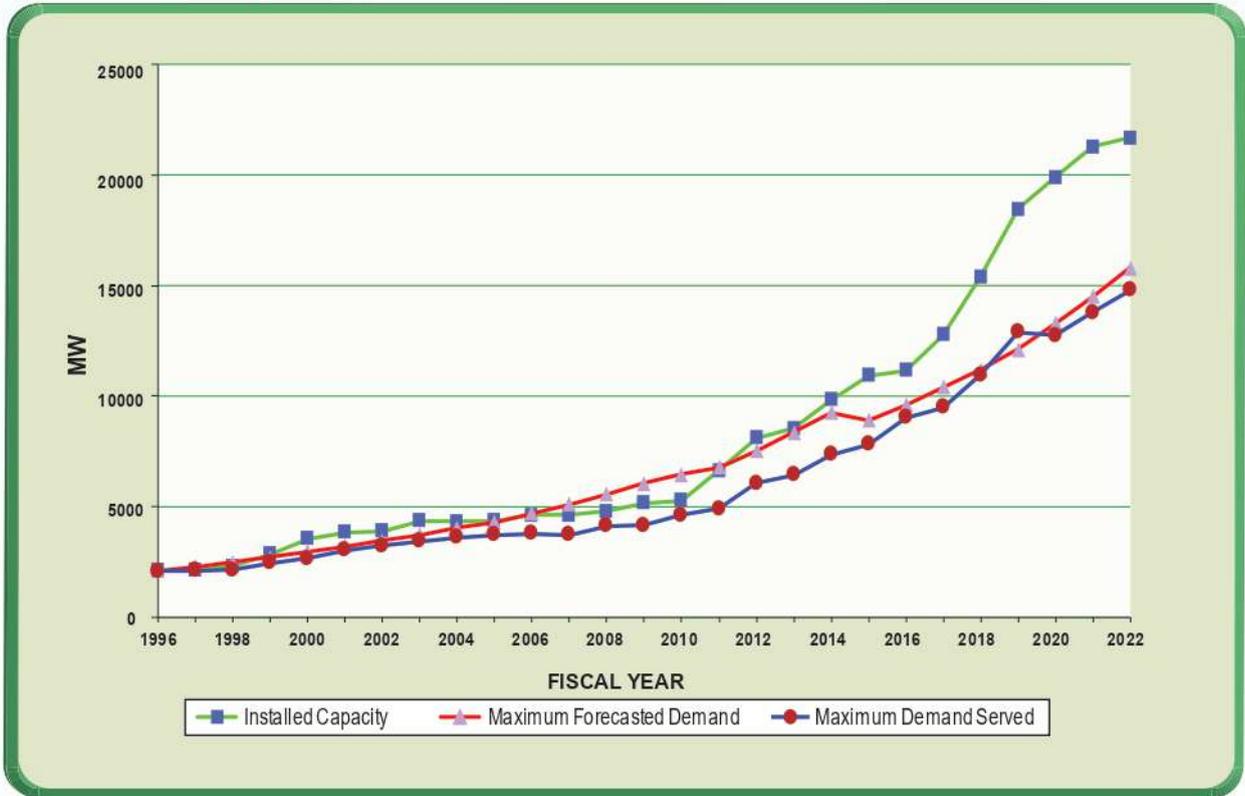
## Generation Tables & Charts

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

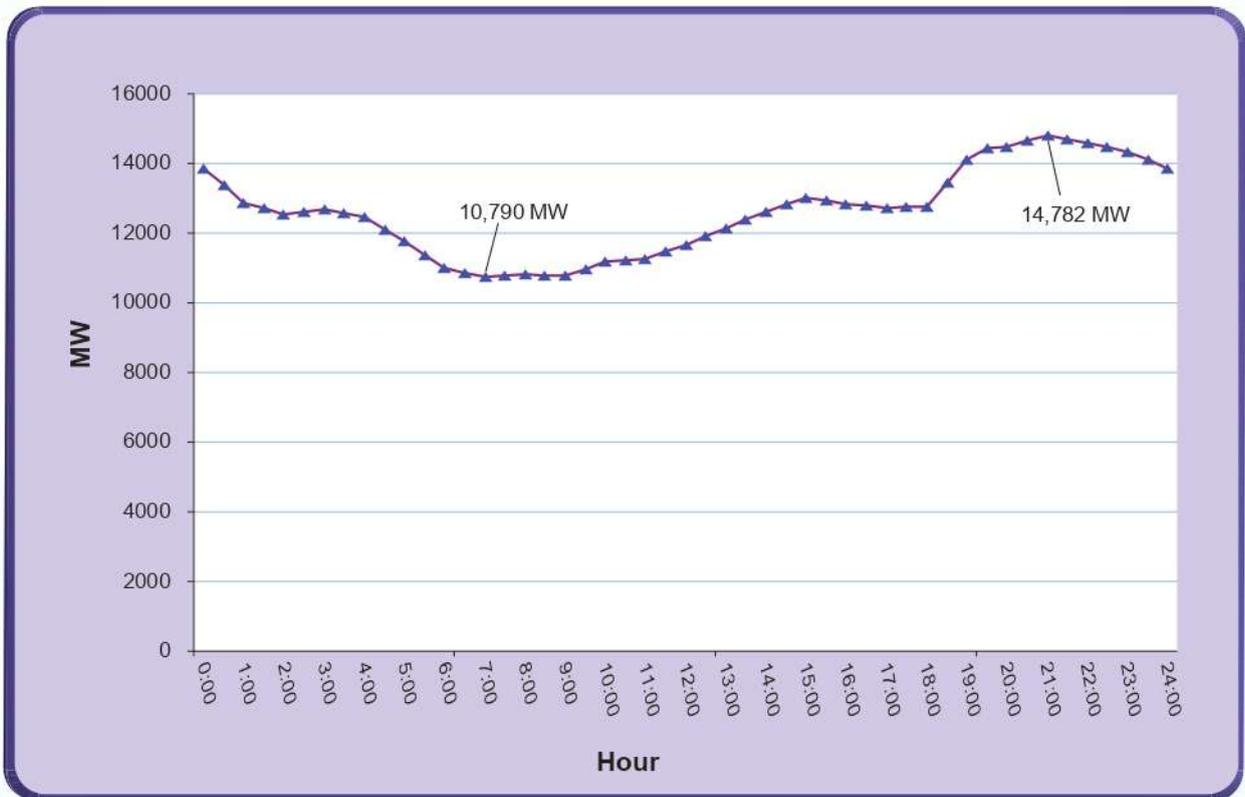
| Year    | Installed Capacity (MW) <sup>1</sup> | Present Capacity (Derated) (MW) <sup>2</sup> | Maximum Forecasted Demand (MW) <sup>3</sup> | Maximum Demand Served (MW) | Energy Not Served (MkWh) |
|---------|--------------------------------------|--|---|----------------------------|--------------------------|
| 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                               |

### Trends 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 (%) |
|------------------------|-------------------------------------|--------------|------------------------------------|-----------------------------|-------------------------|
| <b>PUBLIC</b>          |                                     |              |                                    |                             |                         |
| <b>DHAKA ZONE</b>      |                                     |              |                                    |                             |                         |
| 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%                   |
| <b>CHATTOGRAM ZONE</b> |                                     |              |                                    |                             |                         |
| 12                     | Kamafuli 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 Economic 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%                   |
| <b>Cumilla ZONE</b>    |                                     |              |                                    |                             |                         |
| 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%                   |
| <b>SYLHET ZONE</b>     |                                     |              |                                    |                             |                         |
| 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%                   |
| <b>KHULNA ZONE</b>     |                                     |              |                                    |                             |                         |
| 39                     | Khulna 225 MW (NWPGL)               | HSD          | 230                                | 440.7341                    | 22.7%                   |
| 40                     | Bheramara GT unit-3                 | HSD          | 20                                 | -0.1132                     | -                       |
| 41                     | Bheramara 360 MW CCPP (NWPGL)       | 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 NWPGL              | 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 (%) |
|----------------------|--|--------------|------------------------------------|-----------------------------|-------------------------|
| <b>BARISHAL ZONE</b> |  |              |                                    |                             |                         |
| 45                   | Bhola 225 MW CCGP  | Gas          | 194                                | 633.9576                    | 39.8%                   |
| <b>RAJSHAHI ZONE</b> |  |              |                                    |                             |                         |
| 46                   | Baghabari 71 MW /GT<br>Baghabari 100 MW /GT                | Gas          | 71                                 | 14.9341                     | 8.6%                    |
|                      |  | Gas          | 100                                | 36.9595                     |                         |
| 47                   | Sirajgonj 210 MW CC (NWPGL) 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 (NWPGL) Unit-2                         | Gas          | 220                                | 853.6262                    | 54.6%                   |
|                      |  | HSD          |                                    | 155.3538                    |                         |
| 54                   | Sirajgonj 210 MW CC (NWPGL) 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                      | -                       |
| <b>RANGPUR ZONE</b>  |  |              |                                    |                             |                         |
| 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%                   |
|                      | <b>Total (Grid)</b>  |              | <b>10,296</b>                      | <b>32,043</b>               | <b>39.69%</b>           |
|                      | Isolated East  | HSD          | 0                                  | 4.20                        |                         |
|                      | Isolated West  | HSD          | 0                                  | 0.00                        |                         |
|                      | <b>Total PUBLIC</b>  |              | <b>10,296</b>                      | <b>32,047</b>               |                         |
| <b>JOINT VENTURE</b> |  |              |                                    |                             |                         |
| 1                    | Payra, Potuakhali 2*660 MW PP (U-1)                        | COAL         | 622                                | <b>2053.8585</b>            | <b>40.5%</b>            |
|                      | Payra, Potuakhali 2*660 MW PP (U-2)                        | COAL         | 622                                | <b>1944.4123</b>            | <b>38.3%</b>            |
|                      | <b>Total Joint Venture</b>                                 |              | <b>1244</b>                        | <b>3,998.27</b>             | <b>39.4%</b>            |
| <b>PRIVATE</b>       |  |              |                                    |                             |                         |
| <b>A. IPP</b>        |  |              |                                    |                             |                         |
| 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 NWPGL   | GAS          | 414                                | 2817.3837                   | 78%                     |
| 10                   | Summit Meghnaghat Power Co. Ltd.                           | GAS          | 305                                | 1525.2777                   | 57%                     |
| 11                   | Nutan Biddyt 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      | Kamaphuli 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 Power 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 TPPGCI                | 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                      | -                       |
|         | <b>Sub-Total IPP</b>                            |              | <b>8427</b>                        | <b>36298.16</b>             | <b>42%</b>              |
|         | <b>RENTAL &amp; SIPP</b>                        |              |                                    |                             |                         |
| 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 ( Energypima 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                                | Katakali (Northern) Peaking                | F.oil        | 50                                 | 66.3949                     | 15%                     |
| <b>Sub-Total RENTAL&amp; SIPP</b> |  |              | <b>1,429</b>                       | <b>3876</b>                 | <b>32%</b>              |
| <b>IMPORT</b>                     |  |              |                                    |                             |                         |
| 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                   |                         |
| <b>Total Energy IMPORT</b>        |  |              | <b>1,160</b>                       | <b>7,712</b>                |                         |
| <b>SIPP (BREB)</b>                |  |              | <b>251</b>                         | <b>1675.5740</b>            |                         |
| <b>GRAND TOTAL</b>                |  |              | <b>22,807</b>                      | <b>85607</b>                |                         |



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.

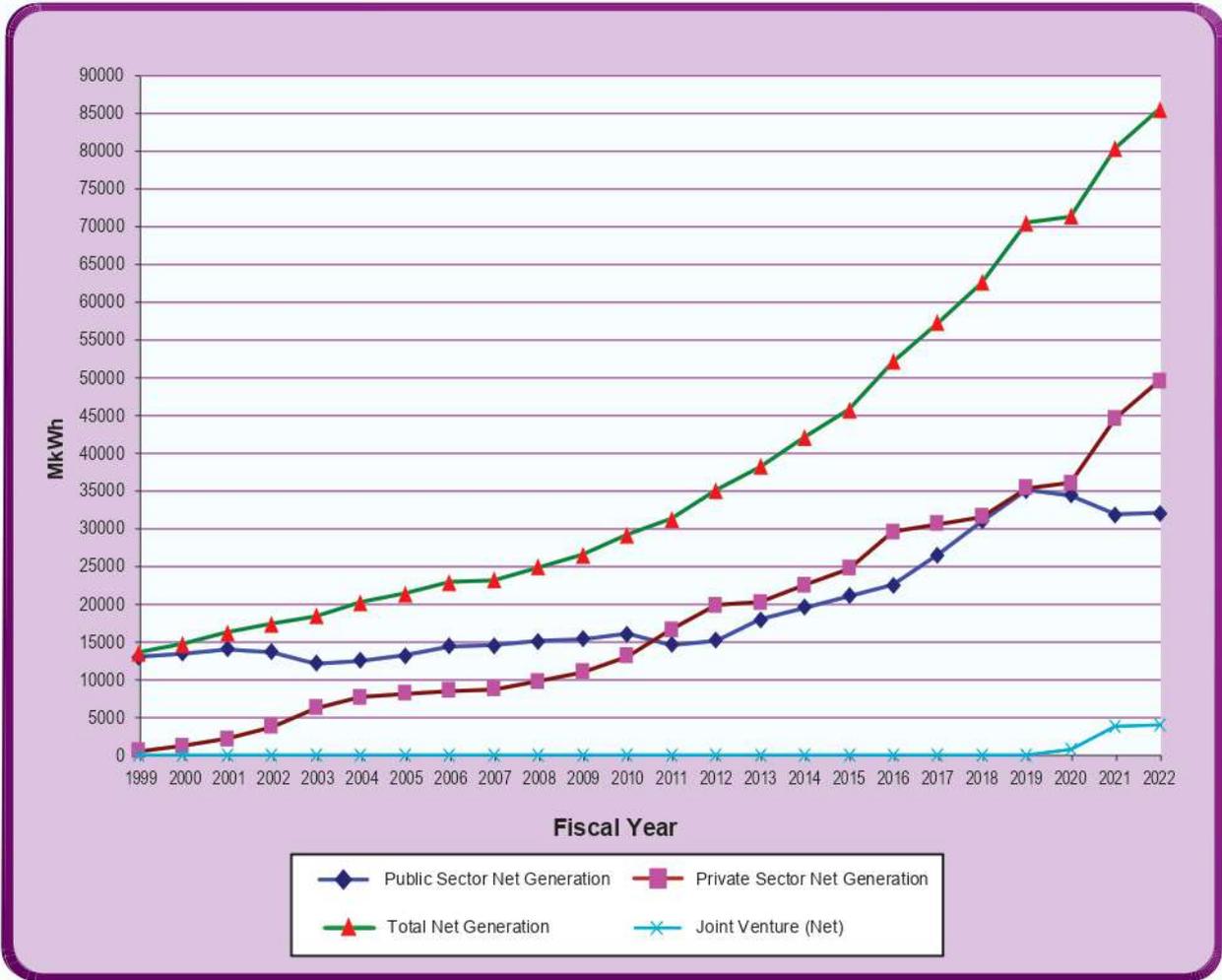


## Year Wise Energy Generation (National)

In MkwH

| Year    | Gross Energy Generation of Public Sector |           |              | Net Generation of Public Sector | Joint Venture (Net) | Total Private Generation Inclu. BREQ & 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                             | 2,344.72   | -            |
| 2006-07 | 12,964                                   | 2,531     | 15,495       | 14,539                          | -                   | 8,729   | 23,268                 | 1.26                             | 1,950.25   | -            |
| 2007-08 | 13,397                                   | 2,758     | 16,155       | 15,167                          | -                   | 9,779   | 24,946                 | 7.21                             | 2,462.08   | -            |
| 2008-09 | 13,627                                   | 2,803     | 16,431       | 15,449                          | -                   | 11,084  | 26,533                 | 6.36                             | 2,548.99   | -            |
| 2009-10 | 14,735                                   | 2,329     | 17,064       | 16,072                          | -                   | 13,175  | 29,247                 | 10.23                            | 3,831.43   | -            |
| 2010-11 | 12,845                                   | 2,680     | 15,525       | 14,673                          | -                   | 16,682  | 31,355                 | 7.21                             | 3,574.00   | -            |
| 2011-12 | 13,316                                   | 2,758     | 16,074       | 15,201                          | -                   | 19,917  | 35,118                 | 12.00                            | 4,445.42   | -            |
| 2012-13 | 15,078                                   | 3,929     | 19,008       | 17,994                          | -                   | 20,235  | 38,229                 | 8.86                             | 4,695.49   | -            |
| 2013-14 | 15,726                                   | 4,943     | 20,669       | 19,645                          | -                   | 22,550  | 42,195                 | 10.37                            | 3,138.37   | -            |
| 2014-15 | 16,950                                   | 5,214     | 22,163       | 21,103                          | -                   | 24,733  | 45,836                 | 8.63                             | 3,043.08   | -            |
| 2015-16 | 17,542                                   | 6,179     | 23,721       | 22,585                          | -                   | 29,608  | 52,193                 | 13.87                            | 2,859.60   | -            |
| 2016-17 | 21,343                                   | 6,594     | 27,938       | 26,597                          | -                   | 30,679  | 57,276                 | 9.74                             | 2,398.56   | -            |
| 2017-18 | 24,231                                   | 8,276     | 32,507       | 31,082                          | -                   | 31,595  | 62,677                 | 9.43                             | 2,721.00   | -            |
| 2018-19 | 26,755                                   | 9,963     | 36,718       | 35,107                          | -                   | 35,426  | 70,533                 | 12.53                            | 2,179.00   | -            |
| 2019-20 | 26,094                                   | 10,980    | 37,074       | 34,415                          | 901                 | 36,102  | 71,418                 | 1.25                             | 2,119.86   | -            |
| 2020-21 | 25,104                                   | 8,386     | 33,490       | 31,916                          | 3,812               | 44,695  | 80,423                 | 12.61                            | 1,899.54   | -            |
| 2021-22 | 25,591                                   | 8,072     | 33,664       | 32,047                          | 3,998               | 49,562  | 85,607                 | 6.45                             | 1,936.30   | -            |

## 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)

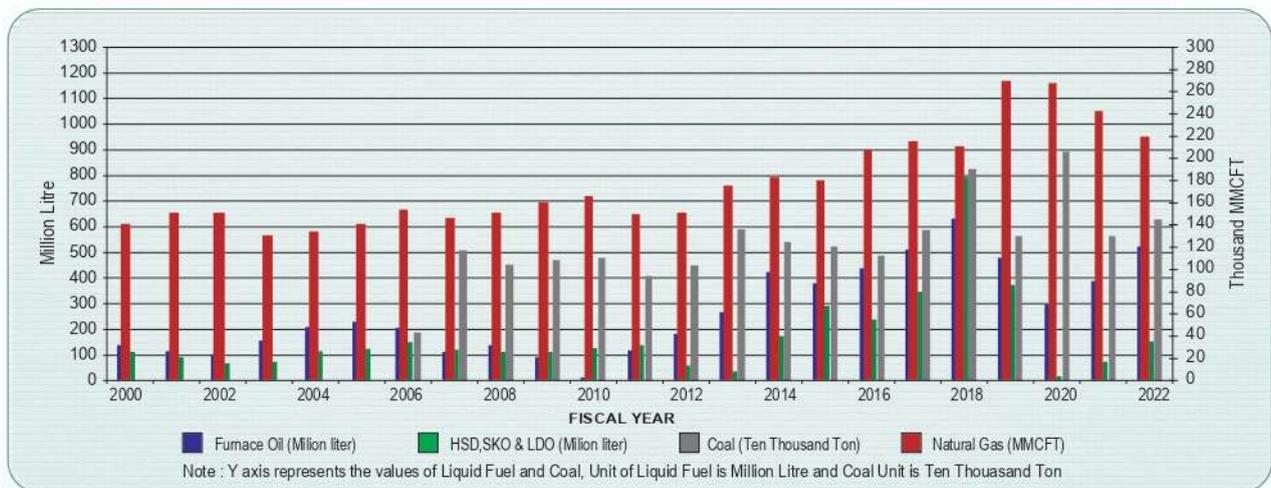
| Year    | Total Net Generation (GWh) | Total Population (In million) * | Total Sale (MkWh) | Per Capita Generation (kWh) | Per Capita Consumption (kWh) |
|---------|----------------------------|---------------------------------|-------------------|-----------------------------|------------------------------|
| 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<br>in MMCFT | Liquid Fuel in Million liter |                | Coal<br>(Million Ton) |
|---------|-------------------------|------------------------------|----------------|-----------------------|
|         |                         | Furnace oil                  | HSD, SKO & LDO |                       |
| 1975-76 | 8841.12                 | 81.91                        | 0.39           | -                     |
| 1976-77 | 10850.48                | 75.05                        | 67.97          | -                     |
| 1977-78 | 13081.39                | 80.77                        | 103.35         | -                     |
| 1978-79 | 14589.55                | 128.41                       | 84.50          | -                     |
| 1979-80 | 15940.70                | 103.63                       | 134.58         | -                     |
| 1980-81 | 18904.42                | 68.66                        | 209.44         | -                     |
| 1981-82 | 22251.24                | 77.47                        | 229.56         | -                     |
| 1982-83 | 27697.51                | 120.06                       | 113.20         | -                     |
| 1983-84 | 30298.69                | 175.55                       | 86.63          | -                     |
| 1984-85 | 38116.27                | 201.16                       | 94.23          | -                     |
| 1985-86 | 39809.78                | 283.49                       | 142.51         | -                     |
| 1986-87 | 51773.82                | 199.03                       | 94.35          | -                     |
| 1987-88 | 59220.57                | 231.51                       | 52.00          | -                     |
| 1988-89 | 62291.95                | 122.68                       | 103.58         | -                     |
| 1989-90 | 72461.50                | 53.50                        | 78.02          | -                     |
| 1990-91 | 78258.10                | 17.73                        | 40.64          | -                     |
| 1991-92 | 83803.43                | 68.87                        | 75.78          | -                     |
| 1992-93 | 88117.25                | 127.27                       | 94.21          | -                     |
| 1993-94 | 92064.05                | 122.70                       | 113.79         | -                     |
| 1994-95 | 103907.60               | 118.42                       | 216.80         | -                     |
| 1995-96 | 106592.75               | 75.58                        | 200.49         | -                     |
| 1996-97 | 107240.03               | 124.48                       | 304.13         | -                     |
| 1997-98 | 120376.26               | 108.47                       | 320.11         | -                     |
| 1998-99 | 136802.00               | 53.14                        | 245.05         | -                     |
| 1999-00 | 141330.13               | 137.35                       | 110.49         | -                     |
| 2000-01 | 151312.47               | 114.02                       | 92.01          | -                     |
| 2001-02 | 151577.35               | 102.10                       | 66.00          | -                     |
| 2002-03 | 131180.00               | 154.20                       | 74.08          | -                     |
| 2003-04 | 134482.37               | 209.17                       | 114.32         | -                     |
| 2004-05 | 141021.85               | 229.86                       | 123.75         | -                     |
| 2005-06 | 153920.65               | 204.85                       | 149.61         | 0.19                  |
| 2006-07 | 146261.67               | 111.84                       | 119.19         | 0.51                  |
| 2007-08 | 150991.54               | 137.11                       | 111.52         | 0.45                  |
| 2008-09 | 1,61,007.68             | 90.26                        | 112.81         | 0.47                  |
| 2009-10 | 1,66,557.42             | 9.74                         | 124.69         | 0.48                  |
| 2010-11 | 150031.41               | 118.78                       | 137.66         | 0.41                  |
| 2011-12 | 151047.84               | 182.48                       | 59.89          | 0.45                  |
| 2012-13 | 175944.51               | 266.11                       | 34.97          | 0.59                  |
| 2013-14 | 183522.79               | 424.72                       | 175.00         | 0.54                  |
| 2014-15 | 180765.64               | 378.13                       | 291.06         | 0.52                  |
| 2015-16 | 207838.44               | 439.33                       | 238.22         | 0.49                  |
| 2016-17 | 215894.52               | 512.56                       | 347.98         | 0.59                  |
| 2017-18 | 211341.98               | 615.35                       | 795.34         | 0.82                  |
| 2018-19 | 269829.08               | 480.06                       | 372.50         | 0.57                  |
| 2019-20 | 267767.94               | 301.09                       | 11.93          | 0.89                  |
| 2020-21 | 243082.20               | 389.07                       | 74.00          | 0.56                  |
| 2021-22 | 219534.76               | 522.80                       | 153.62         | 0.63                  |



## 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    | 59.74    | 65.00    | 65.00    | 65.00    | 80.00    | 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    | 34.46    | 53.00    | 59.00    | 62.00    | 62.00    | 60.00    | 63.00    | 67.00    | 74.00    | 74.00    |          |
| 3.      | Natural Gas (TK./ 1000 Cft)     | 73.91                       | 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   |          |

## 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                 |                | APSC/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            |
| <b>Total</b>       |             | <b>4</b>             | <b>4680</b>    | <b>2</b>             | <b>1170</b>    |
| <b>Grand Total</b> |             | <b>6 No's</b>        |                | <b>5,850 MVA</b>     |                |

##### 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             |
| <b>Total</b> |             | <b>3 No.'s</b>       | <b>1,950 MVA</b> |

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

| S.N.               | Circle Name | PGCB                 |                | BPDB/APSC            |                |
|--------------------|-------------|----------------------|----------------|----------------------|----------------|
|                    |             | 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                    | <b>300</b>     |
| 04                 | Dhaka(N)    | 4                    | 1,950          | 1                    | <b>250</b>     |
| 05                 | Dhaka(S)    | 8                    | 4,725          | -                    | -              |
| 06                 | HVDC        | 4                    | 2,250          | -                    | -              |
| 07                 | Khulna      | 2                    | 1,350          | -                    | -              |
| <b>Total</b>       |             | <b>27</b>            | <b>15,225</b>  | <b>2</b>             | <b>550</b>     |
| <b>Grand Total</b> |             | <b>29 No's</b>       |                | <b>15,775 MVA</b>    |                |

##### 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             |
| <b>Total</b>       |             | <b>1</b>             | <b>420</b>     | <b>4</b>             | <b>970</b>     |
| <b>Grand Total</b> |             | <b>5 No's</b>        |                | <b>1,390 MVA</b>     |                |

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           | -               | -              | -                    | -              |
| <b>Total</b>             |             | <b>125</b>    | <b>24820</b>   | <b>4</b>        | <b>379</b>     | <b>36</b>            | <b>6518</b>    |
| <b>Grand Total (MVA)</b> |             |               |                | <b>165 No's</b> |                | <b>31,717 MVA</b>    |                |



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 |
| <b>Total</b> |   | <b>743.37</b>              | <b>1493.6</b>             |             |                    |          |

\* 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 |
| <b>Total</b> |   | <b>1969</b>                | <b>4017.84</b>            |             |                   |           |

### 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-Chowmuhan           | 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-Moghbar           | 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 Shiddhirganj 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 Shiddhirganj 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 Gopalganj-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 - Haliashahar 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          | LIL 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   |
| <b>Total</b> |  | <b>4944.742</b>            | <b>8377.247</b>           |             |               |         |



A virtual review meeting of Implementation progress of Development Projects of Power Sector.

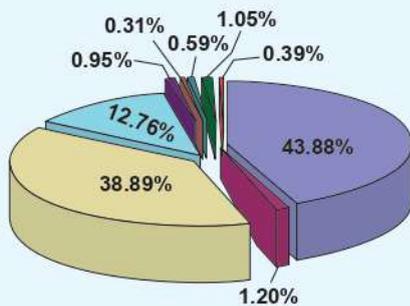
## DISTRIBUTION TABLES AND CHARTS

### 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 |
| Mymensingh                     | 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                       |
| <b>Total</b>                   | <b>12309.04</b>        | <b>13014.63</b> | <b>11488.70</b>    | <b>12195.38</b> | <b>6.66</b>     | <b>6.29</b> | <b>-5.55</b>                |

### Consumption Pattern of BPDB

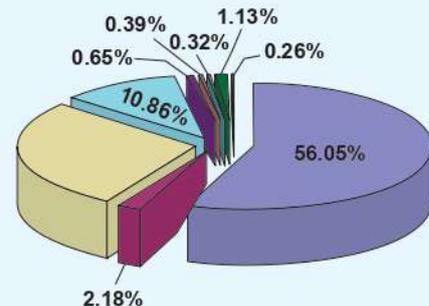
(FY 2021-22)



Total Retail Consumption : 12,195 MkWh

### Consumption Pattern of the Country

(FY 2021-22)



Total Retail Consumption : 76,667 MkWh

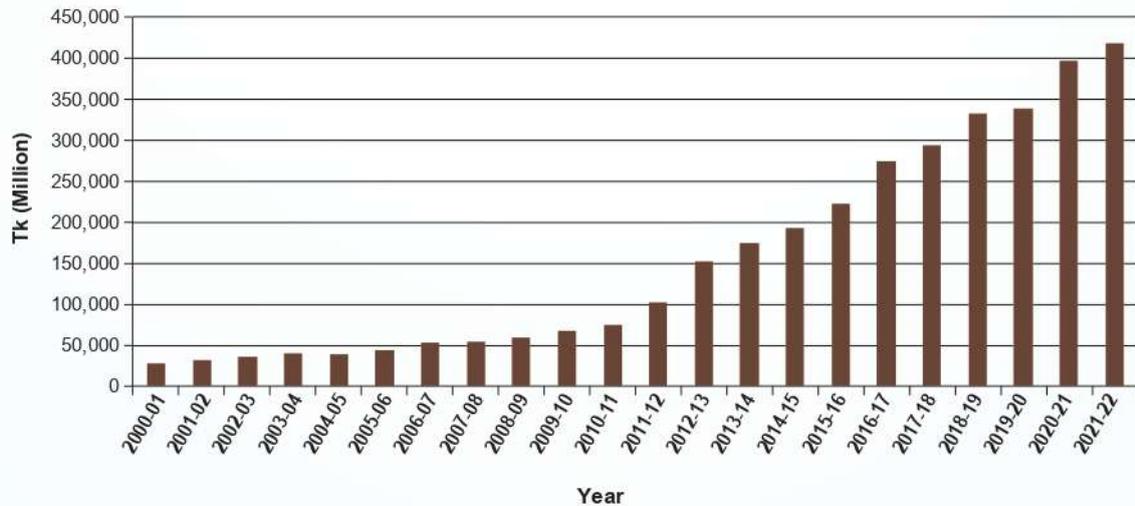
### Distribution Zone Wise Billing & Collection Statistics of BPDB

| 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      |
| Mymensingh                     | 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       |
| <b>Total</b>                   | <b>83,141</b>              | <b>88,297</b> | <b>84,899</b>                 | <b>89,596</b> | <b>15,466</b>                    | <b>13,517</b> | <b>-12.60</b>                     | <b>102.11</b>       | <b>101.47</b> | <b>95.31</b>  | <b>95.08</b> |

## 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                        |

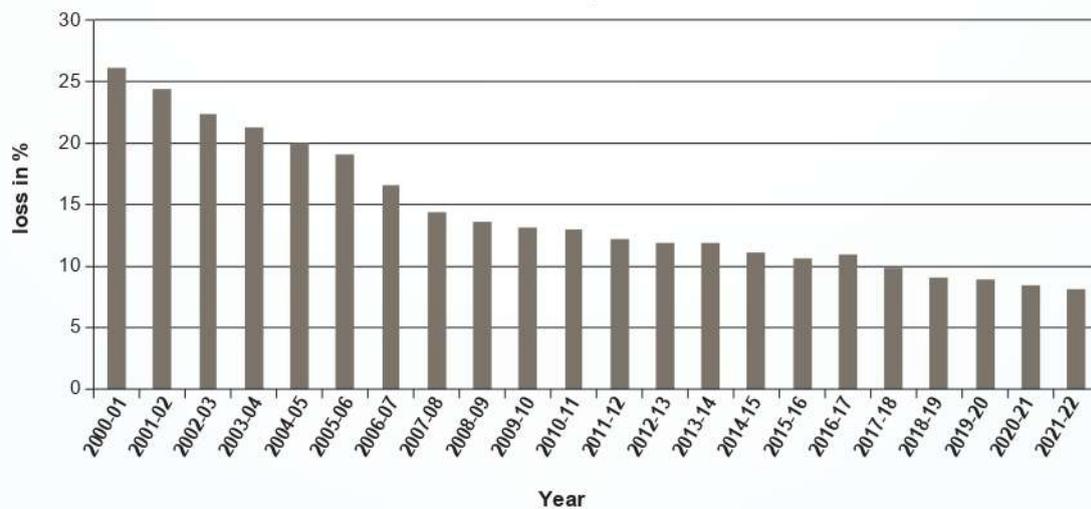
## Net Revenue Collection



### 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 Preceding 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 <sup>☆</sup>                |
| 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

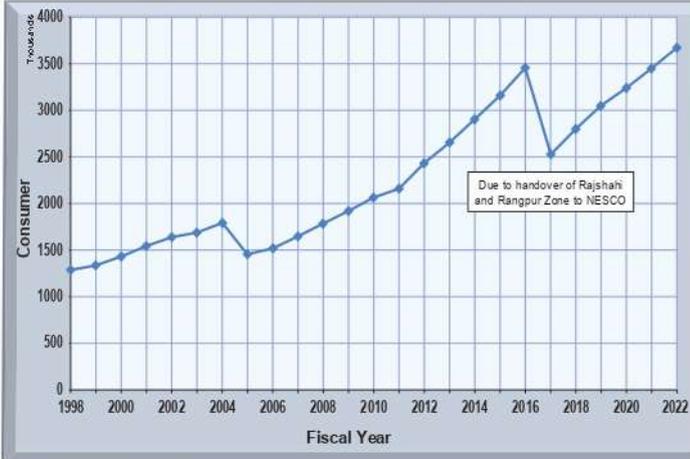
**H** = High voltage general purpose

**I** = BREB/PBS

**J** = Street light and water pump

☆ Due To Handover Rajshahi and Rangpur zone to NESCO.

## Trends of Consumer Growth



Distribution line constructed in Sajek Valley



## 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/<br>Upazila      | Ward       | Village     | Hat / Bazar | Deep,<br>Shallow &<br>Low Fit Pump |
| <b>Southern Zone, Chattogram</b>              |                                   |                        |            |             |             |                                    |
| <b>O &amp; M Circle, Chatta-Metro (East)</b>  |                                   |                        |            |             |             |                                    |
| 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                                  |
| <b>O &amp; M Circle, Chatta-Metro (West)</b>  |                                   |                        |            |             |             |                                    |
| 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                                  |
| <b>O &amp; M Circle, Chatta-Metro (North)</b> |                                   |                        |            |             |             |                                    |
| 13  | S&D Fouzdarhat                    | 1                      | 4          | 20          | 14          | 0                                  |
|   | Sandwip Electric Sply             | 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                                 |
| <b>O &amp; M Circle, Chatta-Metro (South)</b> |                                   |                        |            |             |             |                                    |
| 17  | Distribution Division Patya       | 6                      | 78         | 233         | 62          | 280                                |
|   | Distribution Division Cox's Bazar | 1                      | 12         | 20          | 9           | 94                                 |
|   | Ramu Electric Sply                | 2                      | 60         | 178         | 16          | 302                                |
| 18  | Lama Electric Sply                | 2                      | 50         | 330         | 15          | 82                                 |
|   | Chakaria Electric Sply            | 2                      | 51         | 105         | 25          | 310                                |
|   | Kutubdia Electric Sply            | 1                      | 18         | 7           | 4           | 6                                  |
| <b>O &amp; M Circle, Rangamati</b>            |                                   |                        |            |             |             |                                    |
| 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                                 |
| <b>Sub Total</b>                              |                                   | <b>85</b>              | <b>867</b> | <b>2730</b> | <b>522</b>  | <b>1393</b>                        |
| <b>Cumilla Zone</b>                           |                                   |                        |            |             |             |                                    |
| <b>O &amp; M, Cumilla</b>                     |                                   |                        |            |             |             |                                    |
| 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/<br>Upazila      | Ward        | Village     | Hat / Bazar | Deep,<br>Shallow &<br>Low Fit Pump |
| <b>O &amp; M, Noakhali</b>            |                              |                        |             |             |             |                                    |
| 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                                |
| <b>Sub Total</b>                      |                              | <b>28</b>              | <b>150</b>  | <b>714</b>  | <b>202</b>  | <b>3657</b>                        |
| <b>Mymensingh Zone</b>                |                              |                        |             |             |             |                                    |
| <b>O &amp; M Circle-1, Mymensingh</b> |                              |                        |             |             |             |                                    |
| 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                               |
| <b>O &amp; M Circle-2, Mymensingh</b> |                              |                        |             |             |             |                                    |
| 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                                |
| <b>O &amp; M Circle, Jamalpur</b>     |                              |                        |             |             |             |                                    |
| 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                                |
| <b>O &amp; M Circle, Tangail</b>      |                              |                        |             |             |             |                                    |
| 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                                |
| <b>Sub Total</b>                      |                              | <b>71</b>              | <b>1069</b> | <b>2420</b> | <b>868</b>  | <b>31516</b>                       |

| Sl. No.                               | Name of Divi./ESU                            | Total Electrified Area |             |             |             |                                    |
|---------------------------------------|--|------------------------|-------------|-------------|-------------|------------------------------------|
|                                       |  | Thana/<br>Upazila      | Ward        | Village     | Hat / Bazar | Deep,<br>Shallow &<br>Low Fit Pump |
| <b>Sylhet Zone</b>                    |  |                        |             |             |             |                                    |
| <b>O &amp; M Circle, Sylhet</b>       |  |                        |             |             |             |                                    |
| 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                                |
| <b>O &amp; M Circle, Moulavibazar</b> |  |                        |             |             |             |                                    |
| 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                                  |
| <b>Sub Total</b>                      |  | <b>30</b>              | <b>468</b>  | <b>1165</b> | <b>256</b>  | <b>273</b>                         |
| <b>Total</b>                          |  | <b>214</b>             | <b>2554</b> | <b>7029</b> | <b>1848</b> | <b>36839</b>                       |



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 Committee 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) |
|---|-------------------------------|----------------------------|--------------------------|--------------------------|---------------------------|
| <b>Southern Zone, Chattogram</b>              |                               |                            |                          |                          |                           |
| <b>O &amp; M Circle, Chatta-Metro (East)</b>  |                               |                            |                          |                          |                           |
| 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                        |
| <b>O &amp; M Circle, Chatta-Metro (West)</b>  |                               |                            |                          |                          |                           |
| 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 Nagor 33/11 kv S/S  | 13                       | 26                       | 0                         |
| <b>O &amp; M Circle, Chatta-Metro (North)</b> |                               |                            |                          |                          |                           |
| 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                         |
| <b>O &amp; M Circle, Chatta-Metro (South)</b> |                               |                            |                          |                          |                           |
| 17  | Distribution Divivision 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                         |
|   |                               | Dohazari 33/11 kv S/S      | 20                       | 75                       | 121                       |
| Distribution Divivision Cox's Bazar           |                               | Satkania 33/11 kv S/S      | 15                       | 43                       | 84                        |
|   |                               | Jhilonjia 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                       |
|                                    |                                   | Aziznagar 33/11 kv S/S    | 65                       | 70                       | 90                        |
| Kutubdia Electric Supply           | Kutubdia 33/11 kv S/S             | 0                         | 8                        | 16                       |                           |
| <b>O &amp; M Circle, Rangamati</b> |                                   |                           |                          |                          |                           |
| 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                        |
| <b>Sub Total</b>                   |                                   |                           | <b>1831</b>              | <b>4920</b>              | <b>6598</b>               |
| <b>Cumilla Zone</b>                |                                   |                           |                          |                          |                           |
| <b>O &amp; M Circle, Cumilla</b>   |                                   |                           |                          |                          |                           |
| 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                        |
| 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) |     |
|---------------------------------------|-----------------------|----------------------------|--------------------------|--------------------------|---------------------------|-----|
| <b>O &amp; M Circle, Noakhali</b>     |                       |                            |                          |                          |                           |     |
| 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                       |                           |     |
|                                       |                       | Dagonbuyan                 | 13                       | 19                       | 65                        |     |
|                                       | Bosurhat E/S          | Bashurhat                  | 12                       | 30                       | 110                       |     |
| <b>Sub Total</b>                      |                       |                            | <b>458</b>               | <b>1617</b>              | <b>3435</b>               |     |
| <b>Central Zone, Mymensingh</b>       |                       |                            |                          |                          |                           |     |
| <b>O &amp; M Circle-1, Mymensingh</b> |                       |                            |                          |                          |                           |     |
| 1                                     | S & D -1, Mymensingh  | Akua                       | 15                       | 102                      | 84                        |     |
|                                       |                       | Batirkal                   | 18                       | 34                       | 72                        |     |
|                                       |                       | Dapunia ESU, Mymensingh    | --                       | 42                       | 63                        |     |
|                                       |                       | Fulbaria ESU, Mymensingh   | --                       | 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                        |     |
| <b>O &amp; M Circle-2, Mymensingh</b> |                       |                            |                          |                          |                           |     |
| 6                                     | S & D -3, Mymensingh  | Shambhuganj                | 11                       | 89                       | 155                       |     |
|                                       |                       | Gouripur ESU, Mymensingh   | 22                       | 98                       | 115                       |     |
|                                       |                       | Ishwarganj ESU, Mymensingh | 24                       | 70                       | 78                        |     |
| 7                                     | S & D, Fulpur         | Fulpur                     | 39                       | 115                      | 225                       |     |
|                                       |                       | Haluaghat ESU, Mymensingh  | 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            | --                       | 40                       | 62                        |     |
|                                       |                       | Kuliarchar ESU             | 18                       | 31                       | 41                        |     |
| <b>O &amp; M Circle, Jamaplur</b>     |                       |                            |                          |                          |                           |     |
| 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 |
| <b>O &amp; M Circle, Tangail</b>      |                       |                            |                          |                          |                           |     |
| 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     | Elena                      | 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                       |
| <b>Sub Total</b>                     |                              |                        | <b>926</b>               | <b>4241</b>              | <b>7047</b>               |
| <b>Sylhet Zone</b>                   |                              |                        |                          |                          |                           |
| <b>O &amp; M Circle, Sylhet</b>      |                              |                        |                          |                          |                           |
| 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<br>Derai E/S | Sunamgonj              | 65                       | 91                       | 195                       |
|                                      |                              | Derai                  | 33                       | 100                      | 190                       |
| 7                                    | S&D Chatak                   | Chatak                 | 7                        | 170                      | 258                       |
|                                      |                              | Jawa bazar             | 78                       | 87                       | 140                       |
| <b>O &amp; M Circle, Moulvibazar</b> |                              |                        |                          |                          |                           |
| 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                       |
| <b>Sub Total</b>                     |                              |                        | <b>610</b>               | <b>2272</b>              | <b>4911</b>               |
| <b>Total</b>                         |                              |                        | <b>3824</b>              | <b>13050</b>             | <b>21991</b>              |



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) |
|---|-------------------------|---------------------------------|---------------------|---------------------|
| <b>Southern Zone, Chattogram</b>              |                         |                                 |                     |                     |
| <b>O &amp; M Circle, Chatta-Metro (East)</b>  |                         |                                 |                     |                     |
| 1   | S&D Patharghata         | Patharghata                     | 3x16/20             | 36.0                |
| 2   | S&D Stadium             | Stadium                         | 2X16/20<br>1X20/26  | 45.00               |
|   |                         | Rahmatganj                      | 2X20/26             | 20.00               |
| 3   | S&D Sholoshahar         | Sholoshahar                     | 2x16<br>1x20/26     | 20.00               |
|   |                         | Oxygen                          | 2x20/26             | 14.00               |
| 4   | S&D Kalurghat           | Kalurghat                       | 1 x 16<br>2 x 16/20 | 30.00               |
|   |                         | 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               |
| <b>O &amp; M Circle, Chatta-Metro (West)</b>  |                         |                                 |                     |                     |
| 7   | S&D Agrabad             | Agrabad                         | 2x16/20<br>1x20/26  | 35.00               |
|   |                         | Monsurabad                      | 2x20/26             | 25.00               |
| 8   | S&D Khulshi             | Jalalabad                       | 3x20/26<br>1x16/20  | 57.00               |
|   |                         | Khulshi                         | 2x20/26<br>2X16/20  | 42.00               |
|   |                         | 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<br>2X16/20  | 39.00               |
|   |                         | Kattali                         | 2x20/26             | 10.00               |
| 11  | S&D Rampur              | Rampur                          | 2X20/26<br>2X16/20  | 42.00               |
|   |                         | Anandobazar                     | 2X20/26             | 8.00                |
| 12  | S&D Newmooring          | Newmooring                      | 3X16/20             | 36.00               |
|   |                         |                                 |                     |                     |
| <b>O &amp; M Circle, Chatta-Metro (North)</b> |                         |                                 |                     |                     |
| 13  | S&D Fouzdarhat          | Fouzderhat                      | 2x16/20             | 25.00               |
|   |                         | Baro-aulia                      | 1x16/20<br>1x20/26  | 45.00               |
|   |                         | Madambibirhat                   | 2x20/26             | 5.00                |
| 14  | S&D Barabkund           | Barabkunda                      | 2x16/20             | 25.00               |
|   | Sandwip Electric Supply | Anamnahar                       | 2x5/6.67            | 4.50                |
|   |                         | Taltoli                         | 2x5/6.67            | 2.50                |
| 15  | S&D Hathazari           | Kolabagan                       | 2x16/20             | 35.00               |
|   |                         | Foteyabad                       | 2x10/13.3           | 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) |            |   |
|---|-----------------------------------|---------------------------------|---------------------------------|---------------------|------------|---|
| <b>O &amp; M Circle, Chatta-Metro (South)</b> |                                   |                                 |                                 |                     |            |   |
| 17  | Distribution Division Patiya      | patiya                          | 2x10<br>1x10/13.33              | 10.00               |            |   |
|   |                                   | fishharbor                      | 2x10                            | 14.00               |            |   |
|   |                                   | julda                           | 2x16/20                         | 5.00                |            |   |
|   |                                   | shikalbaha                      | 1x16/20<br>1x10/13.33           | 10.00               |            |   |
|   |                                   | 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                      | 1x16/20                         | 16.0                |            |   |
|   |                                   | Kolatoli                        | 2x10/13.33                      | 11.00               |            |   |
|   | Chakaria ESU                      | chakaria                        | 1x10<br>1x10/13.33              | 13.00               |            |   |
|   |                                   | Aziznagar                       | 1x5/6.67                        | 2.00                |            |   |
|   | Lama ESU                          | Lama                            | 1x5/6.67                        | 3.00                |            |   |
|   |                                   | Alikodom                        | 2x5/6.67                        | 2.5                 |            |   |
|   | Ramu ESU                          | Ramu                            | 1x 10/13.33                     | 7                   |            |   |
|   |                                   | Naikhonchari                    | 1x 5/6.67                       | 4                   |            |   |
|   | Kutubdia ESU                      | Kutubdia                        | 600 KVA                         | 0.70                |            |   |
| <b>O &amp; M Circle, Rangamati</b>            |                                   |                                 |                                 |                     |            |   |
| 19  | Distribution division Khagrachari | Khagrachori                     | 2x10/13.33                      | 9                   |            |   |
|   |                                   | Thakurchara                     | 1x10/13.33                      | 3.7                 |            |   |
|   | Panchori ESU                      | Panchori                        | 1x5/6.667                       | 3                   |            |   |
|   |                                   | Ramgarh ESU                     | Ramgarh                         | 3x1.667<br>1x5.00   | 3.5        |   |
|   | Matiranga ESU                     | Jaliapara                       | 3x1.667                         | 1.5                 |            |   |
|   |                                   | Matiranga                       | 1x5.00                          | 2.25                |            |   |
|   | Diginala ESU                      | Dhiginala                       | 2x5.00                          | 6.5                 |            |   |
|   |                                   | Longudu                         | 1x5.00                          | 2.5                 |            |   |
|   | Manikchori ESU                    | Manikchori                      | 1x5.00                          | 3.5                 |            |   |
|   |                                   | Laxmichori                      | 1x5.00                          | 0.75                |            |   |
|   | Mohalchari ESU                    | Mohalchori                      | 1x5.00                          | 2.5                 |            |   |
|   |                                   | Naniarchori                     | 1x5.00                          | 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 | Bandarban           | 2x10/13.33 | 5 |
|   |                                   |                                 |                                 | Kachinghata         | 3x1.667    | 3 |
|   | Nilachol                          | 1x10/13.33                      |                                 | 2.5                 |            |   |
|   | Y-Junction                        | 1x5.00                          |                                 | 0.6                 |            |   |
|   | Boli Para/Thanchi                 | 3x1.667                         |                                 | 1.0                 |            |   |
|   | Rowanchori                        | 1x5/6.67                        |                                 | 1.0                 |            |   |
|   | Ruma                              | 1x5/6.67                        |                                 | 1.0                 |            |   |
| <b>Sub Total</b>                              |                                   | <b>82</b>                       | <b>2243/3814</b>                | <b>1067</b>         |            |   |



| Sl. No.                               | Name of the Division        | Name of the 33/11KV Sub-station | Capacity (MVA)        | Maximum Demand (MW) |
|---------------------------------------|-----------------------------|---------------------------------|-----------------------|---------------------|
| <b>Cumilla Zone</b>                   |                             |                                 |                       |                     |
| <b>O &amp; M Circle, Cumilla</b>      |                             |                                 |                       |                     |
| 1                                     | S & D-1, Cumilla            | Kotbari                         | 3x10/13.33<br>1x20/26 | 25.00               |
|                                       |                             | Kaliajori                       | 2x10/13.33<br>1x16/20 | 26.00               |
|                                       | Burichang E/S               | Palpara                         | 2x5                   | 7.50                |
| 2                                     | S & D-2, Cumilla            | Balutupa                        | 3x10/13.33<br>1x16/20 | 23.00               |
|                                       |                             | Chouddagram                     | 3x5                   | 8.50                |
|                                       | Chouddagram E/S             | Jangalia                        | 2x10/13.33<br>2x16/20 | 25.00               |
| 3                                     | S & D-3, Cumilla            | Daulatgonj                      | 1x10/13.33            | 11.50               |
|                                       |                             |                                 | 1x16/20               |                     |
|                                       |                             |                                 | 1x5                   |                     |
| 4                                     | S & D Daulatgonj            | Balur Math                      | 2x10/13.33            | 21.00               |
|                                       |                             |                                 | 1x16/20               |                     |
| 5                                     | S & D, Chandpur             | Puran Bazar                     | 1x5                   | 11.00               |
|                                       |                             |                                 | 1x10/13.33            |                     |
| 6                                     | S & D, B Baria-1            | Datiara                         | 1x10/13.33            | 23.00               |
|                                       |                             |                                 | 2x16/20               |                     |
| 7                                     | S & D, B Baria-2            | Ghatara                         | 3x10/13.33            | 20.00               |
|                                       |                             |                                 | 2x10/13.33            |                     |
| 8                                     | S & D Ashugonj              | Kalabagan                       | 1x16/20               | 27.00               |
|                                       |                             |                                 | 2x5                   |                     |
| 9                                     | S & D Sarail                | Shabazpur                       | 2x5                   | 5.50                |
|                                       |                             | Kuttapara                       | 2x10/13.33            | 9.50                |
| <b>O &amp; M Circle, Noakhali</b>     |                             |                                 |                       |                     |
| 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            | 23.00               |
|                                       |                             |                                 | 1x16/20               |                     |
|                                       |                             | Datterhat                       | 2x10/13.33            | 10.50               |
| 12                                    | S&D Chawmuhoni              | Choumuhani                      | 3x10/13.33            | 21.00               |
|                                       |                             |                                 | 1x16/20               |                     |
| 13                                    | S & D, Laxmipur             | Laxmipur                        | 2x10/13.33            | 13.00               |
| <b>Sub Total</b>                      |                             | <b>22</b>                       | <b>641/824</b>        | <b>370</b>          |
| <b>Central Zone, Mymensingh</b>       |                             |                                 |                       |                     |
| <b>O &amp; M Circle-1, Mymensingh</b> |                             |                                 |                       |                     |
| 1                                     | S & D -1 (North), Mymensing | Akua                            | 2x10/13.33            | 25.00               |
|                                       |                             |                                 | 1x20/26               |                     |
|                                       |                             | Batircal                        | 1x20/26<br>2x10/13.33 |                     |
| 2                                     | S & D -2 (South), Mymensing | Kewatkhali                      | 4x10/13.33            | 28                  |
|                                       |                             |                                 | Digarkanda (Bypass)   | 1x16/20             |
|                                       |                             | 2x10/13.33                      |                       |                     |
| 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          |
|                                       |                             | Balipara                        | 1x5/6.66              | 2.50                |

| Sl. No.                               | Name of the Division | Name of the 33/11KV Sub-station | Capacity (MVA)  | Maximum Demand (MW) |
|---------------------------------------|----------------------|---------------------------------|-----------------|---------------------|
| <b>O &amp; M Circle-2, Mymensingh</b> |                      |                                 |                 |                     |
| 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               |
| <b>O &amp; M Circle, Jamalpur</b>     |                      |                                 |                 |                     |
| 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                |
| 13                                    | S & D, Jamalpur      | Sribordi                        | 2 X 5/6.67      | 6.00                |
|                                       |                      | Bojrapur                        | 2x10/13.33      | 7                   |
|                                       |                      | Shekhervita                     | 2x10/13.33      | 17.5                |
| 14                                    | S & D, Sharishabari  | Shahapur                        | 2x10/13.33      | 8.5                 |
|                                       |                      | Sharishabari                    | 2x10/13.33      | 10                  |
| <b>O &amp; M Circle, Tangail</b>      |                      |                                 |                 |                     |
| 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                   |
| <b>Sub Total</b>                      |                      | <b>31</b>                       | <b>987/1312</b> | <b>575</b>          |
| <b>Sylhet Zone</b>                    |                      |                                 |                 |                     |
| <b>O &amp; M Circle, Sylhet</b>       |                      |                                 |                 |                     |
| 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            |
| 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<br>Jaintapur Electric Supply Unit, Sylhet | Botessore                         | 2x10/13.33<br>1x20/26 | 30.00               |
|                                      |   | Botessore-2 (GIS)                 | 2x20/26               |                     |
| 6                                    | S & D Sunamgonj<br>Deral E/S, Sunamganj           | Jaintapur                         | 2x5/6.67              | 8.00                |
|                                      |   | Sunamgonj                         | 2x10/13.33            | 10.00               |
| 7                                    | S & D Chatak                                      | Deral                             | 2x5/6.67              | 7.00                |
|                                      |   | Jawa Bazar                        | 2x5/6.67              | 5.00                |
|                                      |   | Chattak                           | 2x10/13.33            | 14.50               |
| <b>O &amp; M Circle, Moulvibazar</b> |   |                                   |                       |                     |
| 8                                    | Dist. Divn. Moulvibazar                           | 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               |
| <b>Sub Total</b>                     |   | <b>21</b>                         | <b>515/ 685</b>       | <b>272</b>          |
| <b>Total</b>                         |   | <b>156</b>                        | <b>4386/5634</b>      | <b>2283</b>         |



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 Comer' 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) |
| <b>Central Zone, Mymensingh</b>       |                           |                          |                |                |                |                |                |                |               |                   |                      |
| <b>O &amp; M Circle-1, Mymensingh</b> |                           |                          |                |                |                |                |                |                |               |                   |                      |
| 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                |
| <b>O &amp; M Circle-2, Mymensingh</b> |                           |                          |                |                |                |                |                |                |               |                   |                      |
| 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                  |
| <b>O &amp; M Circle, Jamalpur</b>     |                           |                          |                |                |                |                |                |                |               |                   |                      |
| 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                |
| <b>O &amp; M Circle, Tangail</b>      |                           |                          |                |                |                |                |                |                |               |                   |                      |
| 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                |
| <b>Sub Total</b>                      |                           | <b>0</b>                 | <b>0</b>       | <b>2</b>       | <b>8</b>       | <b>2469</b>    | <b>2960</b>    | <b>2885</b>    | <b>72</b>     | <b>279</b>        | <b>1507.17</b>       |
| <b>Cumilla Zone</b>                   |                           |                          |                |                |                |                |                |                |               |                   |                      |
| <b>O &amp; M Circle, Cumilla</b>      |                           |                          |                |                |                |                |                |                |               |                   |                      |
| 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                 |
| <b>O &amp; M Circle, Noakhali</b>             |                                   |                          |                |                |                |                |                |                |               |                   |                      |
| 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                 |
| <b>Sub Total</b>                              |                                   | <b>1</b>                 | <b>15</b>      | <b>0</b>       | <b>1</b>       | <b>1990</b>    | <b>2239</b>    | <b>551</b>     | <b>1</b>      | <b>5</b>          | <b>1009.3</b>        |
| <b>Southern Zone, Chattogram</b>              |                                   |                          |                |                |                |                |                |                |               |                   |                      |
| <b>O &amp; M Circle, Chatta-Metro (East)</b>  |                                   |                          |                |                |                |                |                |                |               |                   |                      |
| 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                   |
| <b>O &amp; M Circle, Chatta-Metro (West)</b>  |                                   |                          |                |                |                |                |                |                |               |                   |                      |
| 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                |
| <b>O &amp; M Circle, Chatta-Metro (North)</b> |                                   |                          |                |                |                |                |                |                |               |                   |                      |
| 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                |
| <b>O &amp; M Circle, Chatta-Metro (South)</b> |                                   |                          |                |                |                |                |                |                |               |                   |                      |
| 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) |
| <b>O&amp;M Circle, Chattogram (Rangamati)</b> |                                       |                          |                |                |                |                |                |                |               |                   |                      |
| 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                |
| <b>Sub Total</b>                              |                                       | <b>0</b>                 | <b>0</b>       | <b>1</b>       | <b>2</b>       | <b>5412</b>    | <b>1333</b>    | <b>1011</b>    | <b>398</b>    | <b>1393</b>       | <b>1755.445</b>      |
| <b>Sylhet Zone</b>                            |                                       |                          |                |                |                |                |                |                |               |                   |                      |
| <b>O &amp; M Circle, Sylhet</b>               |                                       |                          |                |                |                |                |                |                |               |                   |                      |
| 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               |
|   | S&D-3                                 | 0                        | 0              | 0              | 0              | 210            | 110            | 60             | 4             | 5                 | 80.75                |
| 3   | 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                 |
|   | S&D-5                                 | 0                        | 0              | 0              | 0              | 122            | 58             | 31             | 0             | 0                 | 45.2                 |
| 5   | 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               |
|   | S&D,PDB, Sunamganj                    | 0                        | 0              | 0              | 0              | 112            | 48             | 66             | 5             | 20                | 44.65                |
| 7   | Derai Electric Supply, PDB, Sunamganj | 0                        | 0              | 0              | 0              | 48             | 65             | 48             | 8             | 37                | 30.57                |
| <b>O &amp; M Circle, Moulvibazar</b>          |                                       |                          |                |                |                |                |                |                |               |                   |                      |
| 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                 |
|   | S&D, PDB-Kulaura                      | 0                        | 0              | 0              | 0              | 139            | 88             | 67             | 2             | 29                | 59.44                |
| 10  | Juri Electric Supply                  | 0                        | 0              | 0              | 0              | 78             | 16             | 16             | 0             | 2                 | 24.32                |
| <b>Sub Total</b>                              |                                       | <b>0</b>                 | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>2575</b>    | <b>1288</b>    | <b>789</b>     | <b>28</b>     | <b>196</b>        | <b>983.61</b>        |
| <b>Total</b>                                  |                                       | <b>1</b>                 | <b>15</b>      | <b>3</b>       | <b>11</b>      | <b>12446</b>   | <b>7820</b>    | <b>5236</b>    | <b>499</b>    | <b>1873</b>       | <b>5255.525</b>      |



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

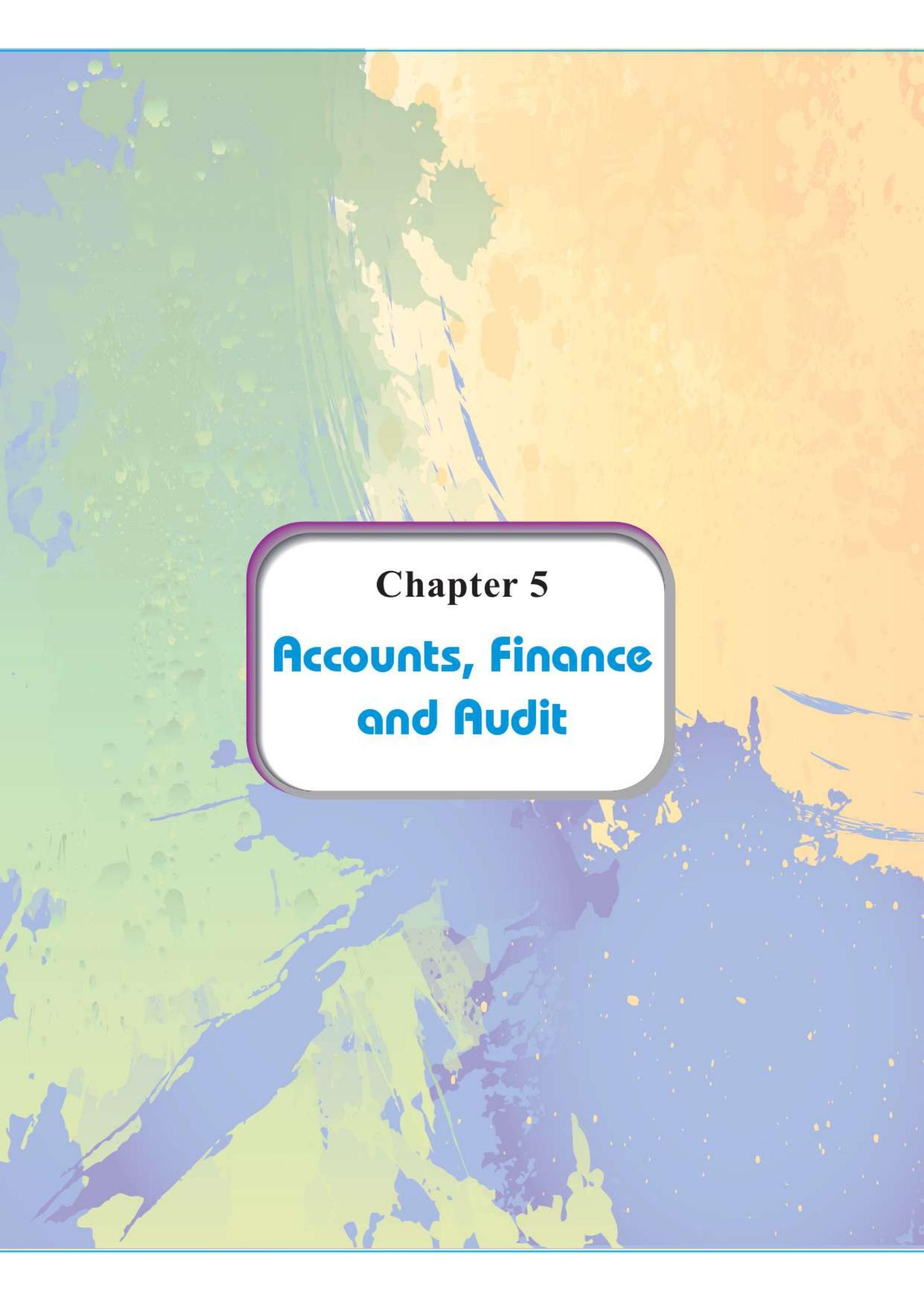
| Details                           | FY2000 | FY2001 | FY2002 | FY2003 | FY2004 | FY2005 | FY2006 | FY2007 | FY2008 | FY2009 | FY2010 | FY2011 | FY2012 | FY2013 | FY2014 | FY2015 | FY2016 | FY2017 | FY2018 | FY2019 | FY2020 | FY2021 | FY2022 |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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  | 3,372  | 1,983  |
| 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  | 1,435  | 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  | 12,310 | 4,605  |
| 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  | 9,093  | 4,172  |
| 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 | 53,381 | 53,381 |
| 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 | 47,478 | 47,478 |
| 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 | 30,406 | 30,406 |
| 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 | 12,903 | 12,903 |
| 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  | 3,000  | 3,000  |
| 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  | 1,000  | 1,000  |
| 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  | 10,000 | 10,000 |
| 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  | 6,000  | 6,000  |
| 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                           | FY2000 | FY2001 | FY2002 | FY2003 | FY2004 | FY2005 | FY2006 | FY2007 | FY2008 | FY2009 | FY2010 | FY2011 | FY2012 | FY2013 | FY2014 | FY2015 | FY2016 | FY2017 | FY2018 | FY2019  | FY2020 | FY2021 | FY2022 |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| 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 | 15,651 | 13,834 |
| 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 | 29,384 |        |
| 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 | 25,555 |        |
| 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 | 11,832 |        |
| 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 | 12,000 |        |
| 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      |        |
| 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  | 8,000  |        |
| 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 |        |

| 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.

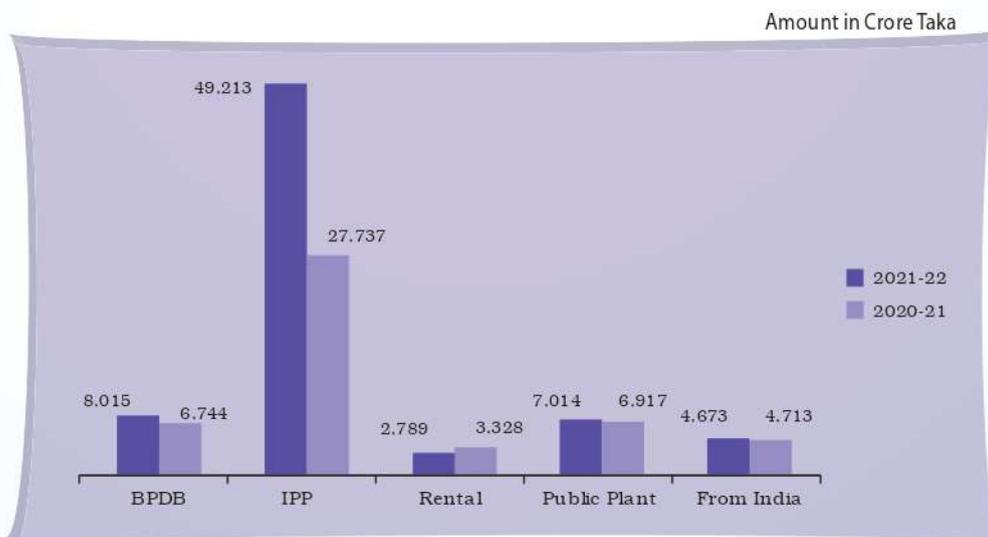
To meet the growing demand of the electricity, BPDB has given high priority in the electricity generation. Beside own generation, BPDB also purchase electricity from the Private Companies generally termed as IPP (Independent Power Producer), Rental power plant and Public power plant to meet the growing 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 (Core Tk.) | Cost (Tk/kWh) | Amount (Core 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%                |
| <b>Total</b>                                     | <b>74,223.25</b>  | <b>8.84</b>   | <b>51,878.96</b>  | <b>6.61</b>   | <b>43.07%</b>        |
| <b>Energy Sales</b>                              | <b>42,859.05</b>  |               | <b>40,141.08</b>  |               | <b>6.77%</b>         |

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**

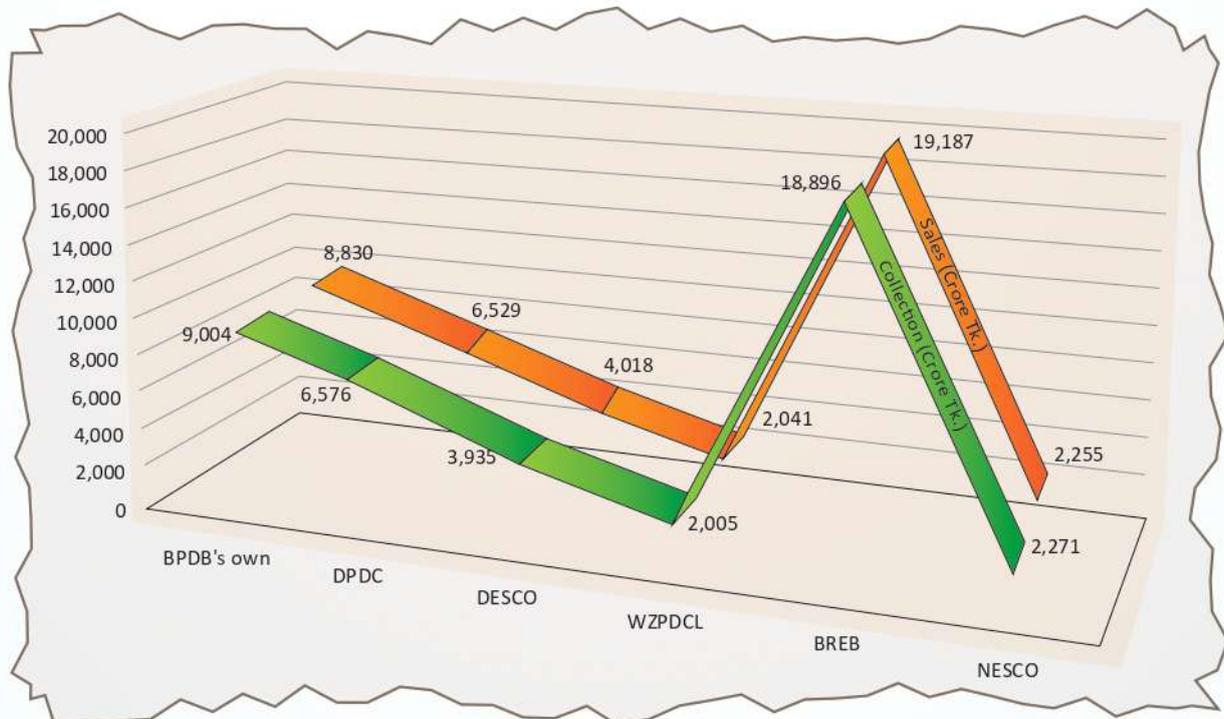
During the financial year 2021-2022 amount of sales to BPDB's own consumers, DPDC, DESCO, WZPDCL, NESCO & BREB and the collected amount against sales are given below:

**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)%              |
| <b>Total</b>       | <b>42,859.05</b>  | <b>42,687.03</b>       | <b>99.60%</b>              | <b>99.04%</b>              | <b>0.56%</b>          |

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.

### Comparative collection over sales



**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 |
|--|-----------------------|-----------------------|-------------------------|--------------------|
| <b>OPERATING REVENUE</b>                           |                       |                       |                         |                    |
| 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                  |
|  | <b>4,427,210.26</b>   | <b>4,432,179.38</b>   | <b>4,969.12</b>         | <b>F</b>           |
| <b>OPERATING EXPENSES</b>                          |                       |                       |                         |                    |
| 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                  |
| <b>TOTAL OPERATING EXPENSES</b>                    | <b>6,741,855.77</b>   | <b>7,185,701.16</b>   | <b>(443,845.39)</b>     | <b>A</b>           |
| <b>OPERATING INCOME / (LOSS)</b>                   | <b>(2,314,645.51)</b> | <b>(2,753,521.78)</b> | <b>(438,876.27)</b>     | <b>A</b>           |
| <b>NON - OPERATING EXPENSES:</b>                   |                       |                       |                         |                    |
| 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                  |
| <b>NET NON-OPERATING EXPENSES</b>                  | <b>352,486.64</b>     | <b>382,131.22</b>     | <b>(29,644.58)</b>      | <b>A</b>           |
| <b>SUBSIDY FROM GOVT.</b>                          | <b>2,487,668.00</b>   | <b>2,965,842.63</b>   | <b>478,174.63</b>       | <b>F</b>           |
| <b>Tax</b>   | <b>9,557.07</b>       | <b>153,463.77</b>     | <b>(143,906.70)</b>     | <b>A</b>           |
| <b>COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR</b>  | <b>(189,021.22)</b>   | <b>(323,274.14)</b>   | <b>(134,252.92)</b>     | <b>A</b>           |

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

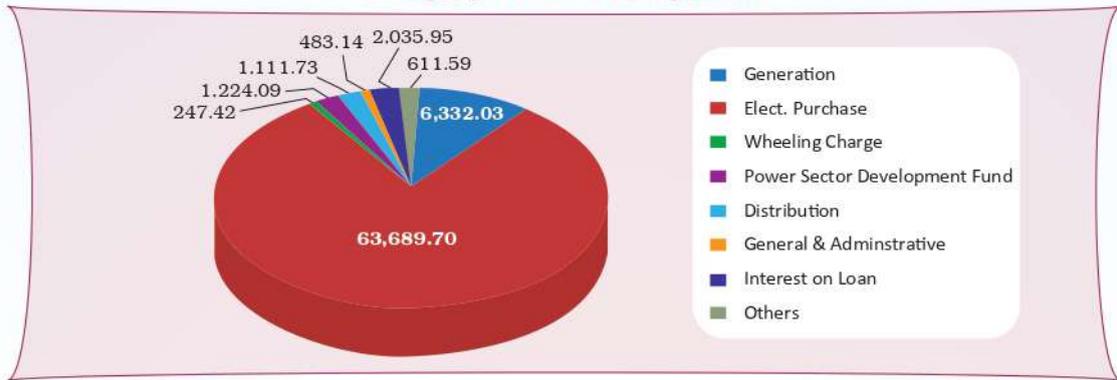


Chart-3

### BPDB's Own Generation and Electricity Purchase

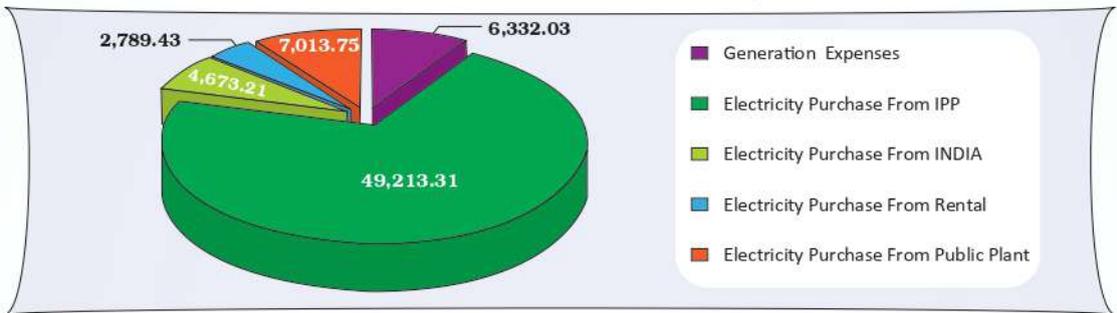


Chart-4



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                |
|---|--------------------------|--------------------------|
| <b>Assets</b>   |                          |                          |
| <b>Non-current assets</b>                             |                          |                          |
| 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                   |
| <b>Total non-current assets</b>                       | <b>904,599,562,313</b>   | <b>866,146,763,059</b>   |
| <b>Current Assets</b>                                 |                          |                          |
| 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           |
| <b>Total current assets</b>                           | <b>508,732,436,448</b>   | <b>359,560,186,605</b>   |
| <b>Total assets</b>                                   | <b>1,413,331,998,761</b> | <b>1,225,706,949,664</b> |
| <b>Equity and liabilities</b>                         |                          |                          |
| <b>Equity</b>   |                          |                          |
| <b>Authorised Capital</b>                             | 400,000,000,000          | 400,000,000,000          |
| 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            |
| <b>Total equity</b>                                   | <b>59,133,157,751</b>    | <b>117,155,414,250</b>   |
| <b>Liabilities</b>                                    |                          |                          |
| <b>Non-current liabilities</b>                        |                          |                          |
| 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            |
| <b>Total non-current liabilities</b>                  | <b>735,380,683,349</b>   | <b>715,125,038,792</b>   |
| <b>Current liabilities</b>                            |                          |                          |
| 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            |
| <b>Total current liabilities</b>                      | <b>618,818,157,661</b>   | <b>393,426,496,622</b>   |
| <b>Total liabilities</b>                              | <b>1,354,198,841,010</b> | <b>1,108,551,535,414</b> |
| <b>Total equity and liabilities</b>                   | <b>1,413,331,998,761</b> | <b>1,225,706,949,664</b> |

**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  |
|--|-------------------------|-------------------------|
| <b>OPERATING REVENUE</b>                     |                         |                         |
| 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           |
| <b>Total operating revenue</b>               | <b>429,930,642,465</b>  | <b>402,569,810,479</b>  |
| Subsidy from Government                      | 296,584,262,614         | 117,779,100,000         |
| <b>Net revenue</b>                           | <b>726,514,905,079</b>  | <b>520,348,910,479</b>  |
| Cost of sales                                | (714,932,370,968)       | (499,386,520,146)       |
| <b>Gross profit/(loss)</b>                   | <b>11,582,534,111</b>   | <b>20,962,390,332</b>   |
| <b>OPERATING EXPENSES</b>                    |                         |                         |
| Distribution expenses                        | (11,117,283,610)        | (11,816,655,224)        |
| General and administrative expenses          | (4,831,357,152)         | (4,663,658,973)         |
| <b>Total operating expenses</b>              | <b>(15,948,640,761)</b> | <b>(16,480,314,197)</b> |
| Other operating income                       | 6,067,923,115           | 5,514,693,309           |
| <b>Operating profit/(loss)</b>               | <b>1,701,816,465</b>    | <b>9,996,769,444</b>    |
| <b>NON-OPERATING INCOME/(EXPENSES)</b>       |                         |                         |
| 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           |
| <b>Total non-operating income/(expenses)</b> | <b>(19,695,292,763)</b> | <b>(8,704,015,411)</b>  |
| <b>Profit/(Loss) before tax</b>              | <b>(17,993,476,298)</b> | <b>1,292,754,034</b>    |
| <b>INCOME TAX EXPENSE</b>                    |                         |                         |
| Current Tax                                  | (6,377,176,264)         | -                       |
| Deferred Tax                                 | (7,956,761,693)         | -                       |
| <b>Total Income Tax expense</b>              | <b>(14,333,937,957)</b> | -                       |
| <b>Profit/(Loss) for the year</b>            | <b>(32,327,414,256)</b> | <b>1,292,754,034</b>    |
| Other Comprehensive income                   | -                       | -                       |
| <b>TOTAL COMPREHENSIVE INCOME /(LOSS)</b>    | <b>(32,327,414,256)</b> | <b>1,292,754,034</b>    |

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)      |
| --   | -                      | -                      | -                                  | -                    | -                        | -                    | -                     | -                              | -                        | -                     |
| --   | -                      | -                      | -                                  | -                    | -                        | -                    | -                     | -                              | -                        | -                     |
| <b>Balance as at 30 June 2022</b>                  | <b>229,757,190,920</b> | <b>467,354,806,728</b> | <b>-</b>                           | <b>7,450,883,148</b> | <b>72,053,500</b>        | <b>7,568,078,094</b> | <b>600,000,000</b>    | <b>-</b>                       | <b>(653,669,854,639)</b> | <b>59,133,157,751</b> |

## 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 separation 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         |
| --  | -                      | -                      | -                                  | -                    | -                        | -                    | -                     | -                              | -                        | -                      |
| <b>Balance as at 30 June 2021</b>   | <b>220,667,242,642</b> | <b>467,354,806,728</b> | <b>3,328,924,865</b>               | <b>7,436,755,860</b> | <b>72,053,500</b>        | <b>7,202,248,060</b> | <b>530,000,000</b>    | <b>-</b>                       | <b>(589,436,617,405)</b> | <b>117,155,414,250</b> |

**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  |
| <b>A CASH FLOW FROM OPERATING ACTIVITIES</b>                    |                         |                         |
| 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)         |
|   | <b>34,570,041,173</b>   | <b>59,498,219,666</b>   |
| <b>B CASH FLOW FROM INVESTING ACTIVITIES</b>                    |                         |                         |
| 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          |
|   | <b>(13,680,255,216)</b> | <b>(27,230,356,251)</b> |
| <b>C CASH FLOW FROM FINANCING ACTIVITIES</b>                    |                         |                         |
| 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)            |
|   | <b>(21,483,969,042)</b> | <b>(58,022,698,876)</b> |
| <b>NET CASH INCREASE/(DECREASE) DURING THE YEAR</b>             | <b>(594,183,085)</b>    | <b>(25,754,835,461)</b> |
| <b>CASH AND CASH EQUIVALENT-BEGINNING</b>                       | <b>39,249,068,911</b>   | <b>65,003,904,372</b>   |
| <b>CASH AND CASH EQUIVALENT-ENDING</b>                          | <b>38,654,885,826</b>   | <b>39,249,068,911</b>   |



## 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       |
|--|--------------------------|------------------------|
| <b>NON-CURRENT ASSETS</b>                            |                          |                        |
| UTILITY PLANT IN SERVICE                             | 727,056,050,323          | 691,142,586,265        |
| LESS : ACCUMULATED DEPRECIATION                      | 245,386,065,029          | 226,979,005,446        |
| <b>WRITTEN DOWN VALUE</b>                            | <b>481,669,985,294</b>   | <b>464,163,580,819</b> |
| PROJECT IN PROGRESS                                  | 92,955,911,723           | 108,261,819,859        |
| INVESTMENT IN SHARES                                 | 32,212,670,417           | 30,873,543,133         |
| <b>TOTAL NON-CURRENT ASSETS</b>                      | <b>606,838,567,434</b>   | <b>603,298,943,811</b> |
| <b>CURRENT ASSETS</b>                                |                          |                        |
| 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          |
| <b>TOTAL CURRENT ASSETS</b>                          | <b>492,723,971,492</b>   | <b>343,429,381,070</b> |
| <b>TOTAL PROPERTY &amp; ASSETS</b>                   | <b>1,099,562,738,926</b> | <b>946,728,324,881</b> |

**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        |
|--|--------------------------|-------------------------|
| <b>EQUITY &amp; RESERVE</b>                |                          |                         |
| 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             |
|  | <b>(133,117,270,685)</b> | <b>(78,413,769,014)</b> |
| <b>NON-CURRENT LIABILITIES</b>             |                          |                         |
| 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           |
|  | <b>668,062,248,029</b>   | <b>662,809,250,976</b>  |
| <b>CURRENT LIABILITIES</b>                 |                          |                         |
| 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           |
|  | <b>560,032,114,398</b>   | <b>336,954,152,648</b>  |
| CLEARING ACCOUNTS                          | 4,585,447,182            | 25,378,690,269          |
| <b>TOTAL EQUITY &amp; LIABILITIES</b>      | <b>1,099,562,538,926</b> | <b>946,728,324,881</b>  |



## 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             |
|--|--------------------------|--------------------------|
| <b>OPERATING REVENUE</b>                           |                          |                          |
| ENERGY SALES (BULK)                                | 417,086,854,345          | 391,876,410,773          |
| OTHER OPERATING INCOME                             | 11,973,993,348           | 13,134,420,191           |
|  | <b>429,060,847,693</b>   | <b>405,010,830,965</b>   |
| <b>OPERATING EXPENSES</b>                          |                          |                          |
| 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           |
| <b>TOTAL OWN GENERATION EXPENSES</b>               | <b>63,320,260,275</b>    | <b>58,544,890,849</b>    |
| 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            |
| <b>TOTAL OPERATING EXPENSES</b>                    | <b>703,832,019,883</b>   | <b>489,143,003,695</b>   |
| <b>OPERATING INCOME / (LOSS)</b>                   | <b>(274,771,172,191)</b> | <b>(84,132,172,730)</b>  |
| 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)        |
| <b>INCOME / (LOSS) BEFORE TAX</b>                  | <b>(16,014,211,525)</b>  | <b>6,073,976,639</b>     |
| CURRENT TAX (TDS)                                  | 7,361,548,000            | 1,169,516,374            |
| DEFERRED TAX                                       | 6,208,742,762            | -                        |
| <b>COMPREHENSIVE INCOME / (LOSS) FOR THE YEAR</b>  | <b>(29,584,502,286)</b>  | <b>4,904,460,265</b>     |
| <b>RETAINED EARNINGS</b>                           |                          |                          |
| 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            |
| <b>BALANCE AS AT JUNE 30, 2022</b>                 | <b>(577,504,937,191)</b> | <b>(522,374,698,788)</b> |

**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       |
|-------------------------------------|------------------------|------------------------|
| <b>NON-CURRENT ASSETS</b>           |                        |                        |
| UTILITY PLANT IN SERVICE            | 292,008,731,202        | 262,919,397,365        |
| LESS : ACCUMULATED DEPRECIATION     | 91,056,943,211         | 85,475,332,995         |
| <b>WRITTEN DOWN VALUE</b>           | <b>200,951,787,991</b> | <b>177,444,064,369</b> |
| PROJECT IN PROGRESS                 | 56,592,717,986         | 68,717,685,786         |
| INVESTMENT IN SHARES                | 39,716,208,902         | 16,685,989,093         |
| <b>TOTAL NON-CURRENT ASSETS</b>     | <b>297,260,714,880</b> | <b>262,847,739,248</b> |
| <b>CURRENT ASSETS</b>               |                        |                        |
| 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            |
| <b>TOTAL CURRENT ASSETS</b>         | <b>55,878,022,602</b>  | <b>54,294,676,048</b>  |
| <b>TOTAL PROPERTY &amp; ASSETS</b>  | <b>353,138,737,481</b> | <b>317,142,415,297</b> |

**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       |
|--|------------------------|------------------------|
| <b>EQUITY &amp; RESERVE</b>                |                        |                        |
| 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            |
|  | <b>192,250,428,438</b> | <b>195,569,183,265</b> |
| <b>NON-CURRENT LIABILITIES</b>             |                        |                        |
| 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          |
|  | <b>67,318,435,321</b>  | <b>52,315,787,816</b>  |
| <b>CURRENT LIABILITIES</b>                 |                        |                        |
| 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            |
|  | <b>96,441,109,124</b>  | <b>91,834,040,653</b>  |
| CLEARING ACCOUNTS                          | (2,871,035,401)        | (22,576,596,437)       |
| <b>TOTAL EQUITY &amp; LIABILITIES</b>      | <b>353,138,937,481</b> | <b>317,142,415,297</b> |

**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        |
|--|-------------------------|-------------------------|
| <b>OPERATING REVENUE</b>                           |                         |                         |
| ENERGY SALES (RETAIL)                              | 88,301,182,087          | 83,129,393,101          |
| OTHER OPERATING INCOME                             | 2,653,430,110           | 3,157,631,666           |
|  | <b>90,954,612,197</b>   | <b>86,287,024,768</b>   |
| <b>OPERATING EXPENSES</b>                          |                         |                         |
| POWER PURCHASE 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           |
| <b>TOTAL ENERGY IMPORT COST</b>                    | <b>79,271,761,066</b>   | <b>76,033,980,820</b>   |
| 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                            | -                       | -                       |
| <b>TOTAL DISTRIBUTION EXPENSES</b>                 | <b>11,117,283,610</b>   | <b>11,816,655,224</b>   |
| GENERAL & ADMINISTRATIVE EXPENSES                  | 1,146,572,913           | 950,965,074             |
| <b>TOTAL OPERATING EXPENSES</b>                    | <b>91,535,617,589</b>   | <b>88,801,601,119</b>   |
| <b>OPERATING INCOME / (LOSS)</b>                   | <b>(581,005,392)</b>    | <b>(2,514,576,351)</b>  |
| 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              |
| <b>INCOME / (LOSS) BEFORE TAX</b>                  | <b>(966,825,853)</b>    | <b>(3,386,053,327)</b>  |
| CURRENT TAX  | 28,067,186              | 225,652,904             |
| DEFERRED TAX                                       | 1,748,018,931           | -                       |
| <b>COMPREHENSIVE INCOME / (LOSS)</b>               | <b>(2,742,911,970)</b>  | <b>(3,611,706,231)</b>  |
| <b>RETAINED EARNINGS</b>                           |                         |                         |
| 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)         |
| <b>BALANCE AS AT JUNE 30, 2022</b>                 | <b>(76,164,917,447)</b> | <b>(67,061,918,616)</b> |

**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 |
|--|------------------------|-----------------------|-----------------------|-----------------------------|-----------------------------|
| <b>Fuel Consumption for Generation</b> |                        |                       |                       |                             |                             |
| 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               |
| <b>Sub-Total</b>                       | <b>34,895,765,958</b>  | -                     | -                     | <b>34,895,765,958</b>       | <b>29,947,744,619</b>       |
| 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               |
| <b>Sub-Total</b>                       | <b>28,424,494,317</b>  | <b>13,591,523,433</b> | <b>4,761,357,152</b>  | <b>46,777,374,902</b>       | <b>47,446,400,164</b>       |
| <b>Electricity Purchase</b>            |                        |                       |                       |                             |                             |
| 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              |
| <b>Sub-Total</b>                       | <b>636,896,975,370</b> | -                     | -                     | <b>636,896,975,370</b>      | <b>426,955,418,947</b>      |
| 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                   |
| <b>Sub-Total</b>                       | <b>38,400,475,873</b>  | <b>385,820,461</b>    | -                     | <b>38,786,296,334</b>       | <b>30,518,027,289</b>       |
| <b>Grand Total</b>                     | <b>738,617,711,517</b> | <b>13,977,343,894</b> | <b>4,761,357,152</b>  | <b>757,356,412,563</b>      | <b>534,867,591,019</b>      |

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

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



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                                    | -                    | -                    | -                        | -                    |
| Office 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                              | -                    | -                    | -                        | -                    |
| <b>Total Repair &amp; Maintenance</b>                | <b>4,545,343,344</b> | <b>1,247,736,612</b> | <b>532,026,692</b>       | <b>6,325,106,648</b> |



## COMPARISON 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 Infrastructure 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       |
| Bangladesh -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 Ltttd.(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.- Koddia (300MW)      | 1,421,077,329         | 24,417,833,567         | 17.18        | 1,280,252,848         | 13,968,072,079         | -           |
| <b>TOTAL IPP &amp; SIPP</b>                       | <b>42,610,507,198</b> | <b>492,133,147,384</b> | <b>11.55</b> | <b>34,603,676,263</b> | <b>277,373,564,998</b> | <b>8.02</b> |



### COMPARISON 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    |
| APSCCL (Except New 573 MW)                            | 347,574,918           | 2,516,021,467         | 7.24        | 711,938,656           | 3,725,662,841         | 5.23        |
| APSCCL (New 50 MW)                                    | 194,969,682           | 417,729,941           | 2.14        | 184,795,542           | 439,275,908           | 2.38        |
| APSCCL (225 MW)                                       | 1,579,703,499         | 5,245,040,830         | 3.32        | 1,574,330,675         | 5,139,666,301         | 3.26        |
| APSCCL (450 MW) South                                 | 2,135,112,449         | 8,036,514,579         | 3.76        | 1,955,572,989         | 7,571,323,434         | 3.87        |
| APSCCL (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 (NWPGL)-<br>Sirajgonj            | 224,720,935           | 2,148,277,482         | 9.56        | 216,329,490           | 2,382,001,459         | 11.01       |
| North West Power Gen (NWPGL)-<br>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 (NWPGL)-<br>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 (NWPGL)-<br>Khulna               | 437,277,714           | 11,138,939,273        | 25.47       | 279,080,308           | 7,770,389,923         | 27.84       |
| North West Power Gen (NWPGL)-<br>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 (NWPGL)-<br>Madhumati            | 98,005,392            | 2,787,875,557         | 28.45       | 11,607,408            | 1,485,423,700         | 127.97      |
| North West Power Gen (NWPGL)-<br>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       |
| <b>Total Public Co. (Code No. 616)</b>                | <b>14,757,200,755</b> | <b>70,137,464,414</b> | <b>4.75</b> | <b>16,106,312,544</b> | <b>69,170,328,105</b> | <b>4.29</b> |

### COMPARISON 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        |
| <b>Total Import</b>                     | <b>7,644,355,365</b> | <b>46,732,066,500</b> | <b>6.11</b> | <b>8,128,888,573</b> | <b>47,129,144,480</b> | <b>5.80</b> |

## COMPARISON 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       |
| IELCONSOURTUM & 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           | -           |
| <b>TOTAL RENTAL &amp; QUICK RENTAL</b>   | <b>2,846,575,482</b> | <b>27,894,297,072</b> | <b>9.80</b> | <b>4,456,007,093</b> | <b>33,282,381,364</b> | <b>7.47</b> |



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             |
|         | <b>Total Water</b>                        | <b>230</b>   | <b>37%</b>   | <b>743,538,106</b>    | -                     | -                | <b>318,129,308</b>   | <b>0.43</b>           | <b>1,688,812,529</b>   | <b>2.27</b>       | <b>2,006,941,837</b>        | <b>2.70</b>      |
| 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                  | -                |
|         | <b>Total Wind</b>                         | <b>4</b>     | <b>2%</b>    | <b>558,235</b>        | -                     | -                | -                    | -                     | <b>26,279,117</b>      | <b>47.08</b>      | <b>26,279,117</b>           | <b>47.08</b>     |
| 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            |
|         | <b>Total Solar</b>                        | <b>7</b>     | <b>14%</b>   | <b>9,220,827</b>      | -                     | -                | <b>100</b>           | <b>0.00</b>           | <b>143,521,677</b>     | <b>15.56</b>      | <b>143,521,777</b>          | <b>15.56</b>     |
| 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 Ccgp (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      | Bibiya-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      | Bibiya - 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             |
|         | <b>Total Gas</b>                          | <b>4,274</b> | <b>35%</b>   | <b>12,982,468,378</b> | <b>14,341,984,929</b> | <b>1.10</b>      | <b>1,836,603,378</b> | <b>0.14</b>           | <b>28,728,502,615</b>  | <b>2.21</b>       | <b>44,907,090,922</b>       | <b>3.46</b>      |
| 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              | 3,421,149,816               | 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             |
|         | <b>Total Coal</b>                         | <b>494</b>   | <b>31%</b>   | <b>1,343,590,142</b>  | <b>7,545,117,701</b>  | <b>5.62</b>      | <b>195,412,669</b>   | <b>0.15</b>           | <b>4,576,389,119</b>   | <b>3.41</b>       | <b>12,316,919,489</b>       | <b>9.17</b>      |
| 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 Peaking 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 Peaking 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 Peaking 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 Peaking 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 Peaking 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            |
|         | <b>Total HFO</b>                          | <b>723</b>   | <b>11%</b>   | <b>877,895,271</b>    | <b>12,760,283,257</b> | <b>14.54</b>     | <b>614,725,921</b>   | <b>0.70</b>           | <b>6,026,717,982</b>   | <b>6.86</b>       | <b>19,401,727,160</b>       | <b>22.10</b>     |
| 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                  | -                |
|         | <b>Total Diesel</b>                       | <b>275</b>   | <b>0%</b>    | <b>7,156,559</b>      | <b>248,380,071</b>    | <b>34.71</b>     | <b>86,976,494</b>    | <b>12.15</b>          | <b>767,524,436</b>     | <b>107.25</b>     | <b>1,102,881,001</b>        | <b>154.11</b>    |
|         | <b>SBU Haripur</b>                        | <b>20</b>    | <b>0%</b>    | <b>(347,975)</b>      | -                     | -                | -                    | -                     | <b>241,227,585</b>     | -                 | <b>241,227,585</b>          | -                |
|         | <b>Grand Total (BPDB Own)</b>             | <b>6,027</b> | <b>30%</b>   | <b>15,964,079,543</b> | <b>34,895,765,958</b> | <b>2.19</b>      | <b>3,051,847,870</b> | <b>0.19</b>           | <b>42,198,975,061</b>  | <b>2.64</b>       | <b>80,146,588,889</b>       | <b>5.02</b>      |

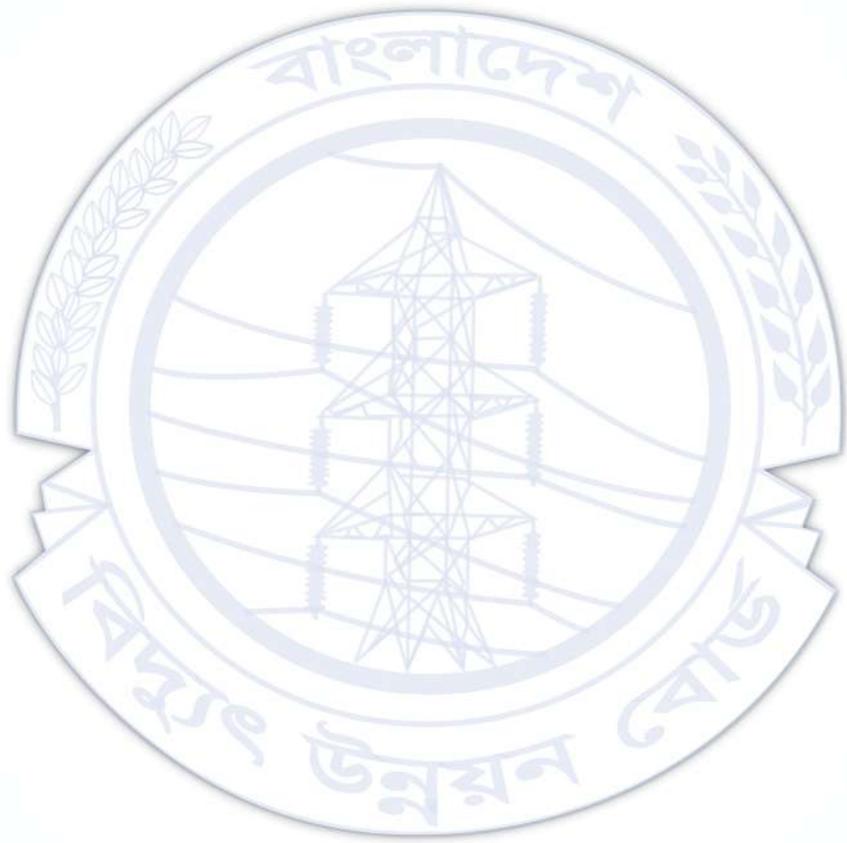
## Illumination on BPDB's Golden Jubilee celebration



*Bidyut Bhaban*



*WAPDA Building*



# Primary Grid System of Bangladesh

As on June 2022

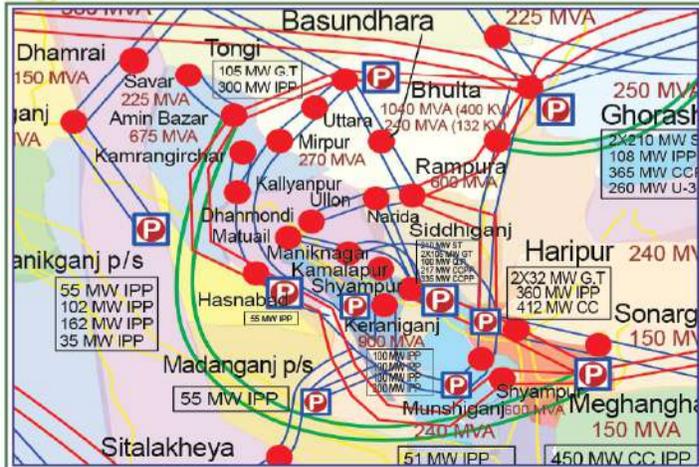
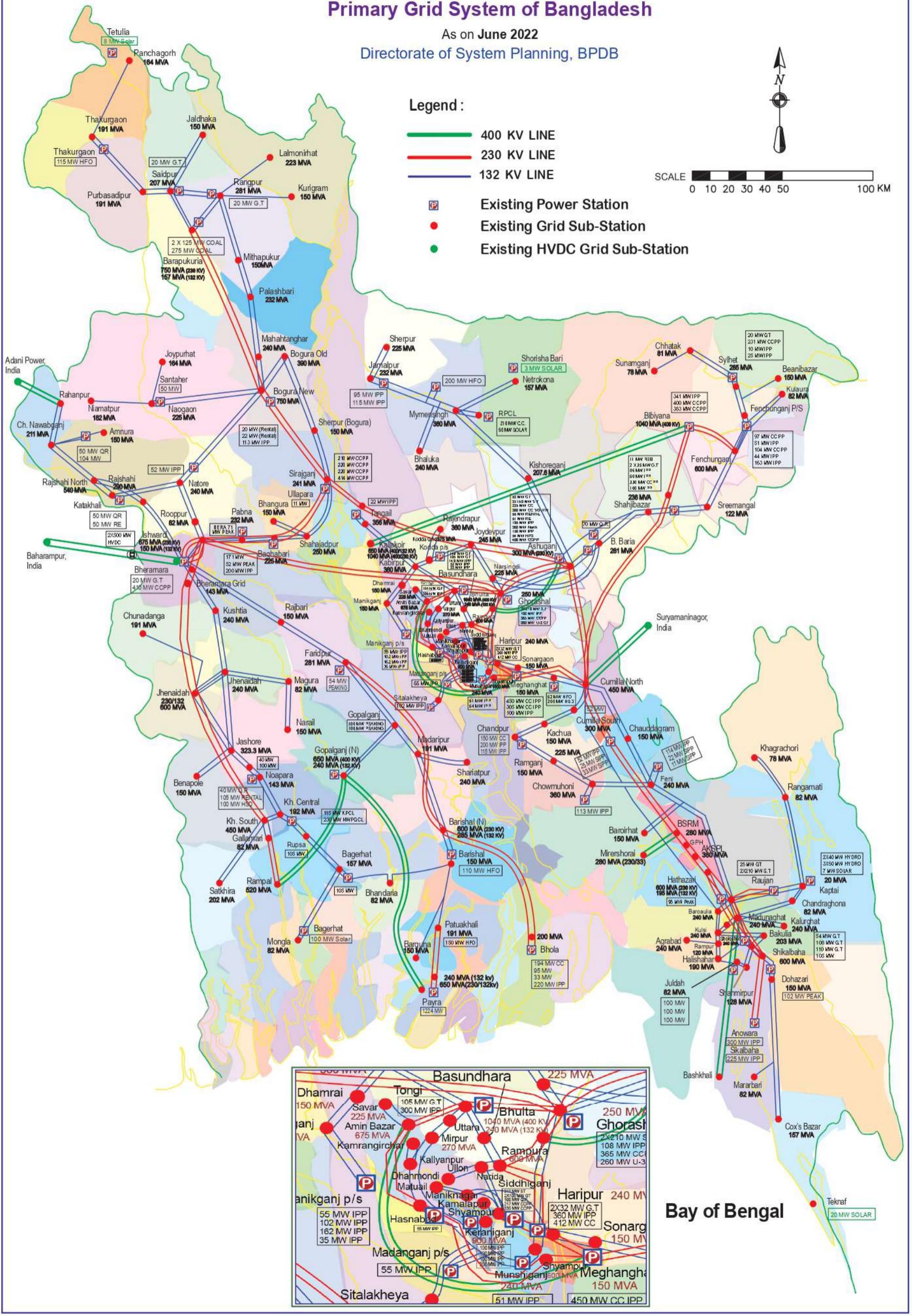
Directorate of System Planning, BPDB

## Legend :

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

- Ⓚ Existing Power Station
- Existing Grid Sub-Station
- Existing HVDC Grid Sub-Station

SCALE 0 10 20 30 40 50 100 KM



Bay of Bengal



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