

**True-up for FY 2022-23,  
APR for FY 2023-24  
&  
ARR & Tariff Proposal for the  
FY 2024-25**

Submitted by:  
Department of Power  
Government of Nagaland

December, 2023

**BEFORE THE HON'BLE NAGALAND ELECTRICITY REGULATORY COMMISSION**

Filing No:

Case No:

IN THE MATTER OF:

Petition for True-up for FY 2022-23, Annual Performance Review of FY 2023-24 and Aggregate Revenue Requirement (ARR) & Tariff Proposal for FY 2024-25 of Department of Power, Govt. of Nagaland

AND IN THE MATTER OF:

Department of Power, Govt. of Nagaland, Electricity House, Kohima – 797 001, Nagaland

**PETITIONER**

PETITIONER, UNDER SECTIONS 45, 46, 61, 62 AND 64 OF THE ELECTRICITY ACT, 2003 FILES FOR INITIATION OF PROCEEDINGS BY THE HON'BLE COMMISSION FOR DECIDING ON THE MATTERS CONCERNING THE APPROVAL OF THE TRUE-UP FOR THE FY 2022-23, ANNUAL PERFORMANCE REVIEW FOR FY 2023-24 AND TARIFF PETITION OF DEPARTMENT OF POWER, GOVT. OF NAGALAND FOR FY 2024-25.

The applicant respectfully submits hereunder:

- 1) The Petitioner, the Department of Power, Govt. of Nagaland (DPN) has been allowed to function as an integrated Distribution licensee for the license area of Nagaland.
- 2) Pursuant to the enactment of the Electricity Act, 2003, DPN is required to submit its Annual Revenue Requirement (ARR) and Tariff Petitions as per the procedures outlined in section 61, 62 & 64 of EA 2003, and the governing regulations thereof.
- 3) DPN has submitted its petition for determination of Annual Revenue Requirement and tariff proposal for FY 2024-25 on the basis of the principles outlined in the MYT Tariff Regulations 2016 notified by the Hon'ble Commission.
- 4) This petition includes the True up for FY 2022-23, Review Petition for FY 2023-24 and ARR & Tariff Petition for FY 2024-25.
- 5) DPN shall further make available the additional/ supplementary data & information to the extent available with DPN as may be required by the Hon'ble Commission during its processing.

### **Prayers to the Commission**

DPN respectfully prays that the Hon'ble Commission may

- a. Examine the proposal submitted by the Petitioner for a favourable dispensation as detailed in the enclosed proposal;
- b. Consider the submissions and allow True up for FY 2022-23, revised estimate for FY 2023-24 and approve Aggregate Revenue Requirement and Retail Tariff for DPN for FY 2024-25;
- c. Approve the appropriate tariff increase as detailed in the enclosed proposal;
- d. Pass suitable orders for implementation of the tariff proposals for the FY2024-25.
- e. Approve the terms and conditions of Tariff Schedules and various other matters as and the proposed changes therein;
- f. Condone any inadvertent omissions/ errors/ shortcomings and permit DPN to add/ change/ modify / alter this filing and make further submissions as may be required at a future date;
- g. Pass such orders as the Hon'ble Commission may deem fit and proper, keeping in view the facts and circumstances of the case;

Department of Power, Govt. of Nagaland

Petitioner

Place: Kohima.

Date: .....12.2023.

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## Chapter 1: Introduction and Background

### Department of Power, Government of Nagaland

The Department of Power of The State of Nagaland is responsible for power supply in the state of Nagaland. DPN has generation capacity of 24 MW of its own. Apart from this, the entire power requirements for DPN are met through its share from Central Sector Power generation, which is wheeled through the PGCIL network of North Eastern region and power purchases from electricity traders/ other sources.

The total area of the territory is 16,527 sq. kms. The State of Nagaland is having a population of around 19.81 lacs as per 2011 census spread over towns and villages. The State of Nagaland is located on 438 kms from Guwahati. The present demand for Nagaland is being met mainly by power from various central generating stations, and Likimro Hydro Electric Project. DPN has 3,17,210 consumers with an annual energy consumption of about 433.57 MUs for the FY 2022-23. These consumers can be broadly classified into following five categories:

- Domestic
- Commercial
- Industrial both HT & LT
- Bulk
- Others -Public lighting, water works, Agricultural etc.

The Department of Power of Government of Nagaland hereinafter called "DPN", a deemed licensee under section 14 of the Electricity Act 2003, is carrying out the business of transmission, distribution and retail supply of electricity in the state of Nagaland. The Department of Power, Nagaland (DPN) has been allowed to function as an integrated distribution licensee of State of Nagaland. The Department of Power doesn't have its own generation except for 24 MW Likimro Hydro Electric Project and procures power from its allocation from central generating stations NTPC, NHPC, NEEPCO, OTPC etc. The remaining is met through short term purchase under bilateral transactions and power exchange.

All the divisions of Nagaland are electrified and any desiring consumer can avail power supply by submitting requisition in the prescribed form to the appropriate office of the Department subject to fulfilment of the requisite conditions and payment of charges.



DPN has updated the Proforma Accounts up-to FY 2022-23. The Proforma Accounts for the year has been audited. DPN has updated its Fixed Asset Register upto 31.03.2023. True-up has been done till FY 2021-22. DPN is submitting the True-up for the FY 2022-23 based on the audited accounts for the year. Hon'ble Commission may kindly allow the same.

## Filing of True up, Annual Performance Review and Annual Revenue Petition

The Nagaland Electricity Regulatory Commission (NERC), in exercise of powers conferred by sub section (1) of section 181 and clauses (zd), (ze) and (zf) of sub section (2) of section 181, read with sections 61, 62, 83 and 86, of the Electricity Act 2003 (36 of 2003) and all other powers enabling it in this behalf, has issued the NERC (Multi Year Tariff) Regulations, 2016, hereinafter referred to as "MYT Regulations".

As per the Regulations, the Distribution Licensee were required to file a Business Plan & Tariff Petition for Control Period of five financial years from April 1, 2020 to March 31, 2025, which shall comprise but not be limited to detailed category-wise sales and demand projections, power procurement plan, capital investment plan, financing plan and physical targets before the Hon'ble Commission as part of the Tariff Filing before the beginning of the Control Period.

Accordingly, the Department of Power, Nagaland had filed a Business Plan & Tariff Petition for approval of Annual Revenue Requirement for MYT Control period FY21 to FY25 and determination of retail tariff for FY21 in accordance to the principles laid down under section 61, 62 and 64 of the Electricity Act 2003, NERC MYT Regulations 2016, provisions of National Tariff Policy, NERC (Conduct of Business) regulations 2010 and other relevant regulations. The Hon'ble Commission in its order dated 20.03.2020 approved the Business Plan & Annual Revenue Requirement for FY 2020-21 to FY 2024-25 and retail tariff for FY 2020-21.

As per the multi-year framework outlined in MYT Regulations 2016, the licensee is required to file Annual Performance Review petition in the subsequent years of the Control Period along with True-up of previous year and Retail Tariff proposal for ensuing year. Accordingly, Department of Power is filing the instant petition for approval of True up for FY 2022-23, Annual Performance Review for the FY 2023-24 and retail tariff proposal for the FY 2024-25.

## Chapter 2: True up of FY 2022-23

The Hon'ble Commission in the Tariff order dated 20.03.2020 has approved ARR & Tariff for the year.

NERC determination of Tariff Regulations stipulate that the True-up for a FY is to be done on the basis of Audited Accounts. Accordingly, DPN has got its accounts audited and based on the same is filing the True-up petition for the year.

### Energy Sales

The total energy sales for the year based on actuals as against that approved by the Commission during in the Tariff Order for the year is summarized in the Table below

*Table 1: Approved and Actual Sales (MUs)*

Sl. No.	Categories	Approved in T.O. dated 2nd June 2022	2022-23 (Actual)
1	Domestic	418.09	232.32
2	Industrial	48.37	10.83
3	Bulk Supply	107.92	73.70
4	Commercial	108.15	45.42
5	Public water works & sewage	13.91	0.33
6	Public Lighting	16.95	-
7	Agriculture	0.02	0.04
8	Single Point Metered Rural		57.35
9	Single Point Metered Urban		13.58
<b>10</b>	<b>Total ( Within the State)</b>	<b>713.42</b>	<b>433.57</b>
11	Outside state sale	-	141.28
<b>12</b>	<b>Total Sale</b>	<b>713.42</b>	<b>574.85</b>

## Power Purchase Cost

DPN meets its requirement from allocations from central generating stations like NTPC, NHPC, NEEPCO & OTPC apart from own generation from Likhimro Hydro Power Project and other MHEPs. The allocation from CGS consists of a fixed share of allocation for a year, and the Govt. of India changes the variable share of allocation from the unallocated quota, time to time. Since, during the peak summer seasons the allocation of power from various sources is inadequate, therefore the DPN procures power from short-term sources i.e. power exchange, UI, banking etc.

The table below shows the actual Power Purchase cost from various sources for the year including Transmission Charges, UI charges and purchase from short term sources i.e. power exchange, UI, etc.

*Table 2: Power Purchase Cost*

Sl. No.	Source	Approved in T.O. dated 2nd June 2022	2022-23 (Actual)
<b>1</b>	Power Purchase Cost	452.96	584.91
	<b>Total</b>	<b>452.96</b>	<b>584.91</b>

It is submitted that the Hon'ble Commission may kindly consider & approve the actual power Purchase cost for the year based on the audited accounts as proposed above.

## Intra-State Transmission and Distribution (T&D) Loss

DPN has computed the actual T&D loss for the year considering actual sales & energy available within the state. The computation of T&D loss along with the Energy Balance for the year is provided in table below:

Table 3: Energy Balance

Sl. No.	Particulars	Unit	Approved in T.O. dated 2nd June 2022	2022-23 (Actual)
<b>A</b>	<b>Energy Requirement</b>			
1	Energy sales within State	MU	713.42	433.57
2	Distribution Loss %	%	20.25	42.75
3	Distribution Loss	MU	181.15	323.72
4	Energy Requirement	MU	894.57	757.29
<b>B</b>	<b>Energy Availability</b>			
5	Own Generation	MU	83.63	106.64
6	Power from ER	MU	92.49	91.83
7	ER Total Losses %	%	2.26	2.26
8	Regional Losses	MU	2.09	2.08
9	Net enrgy from Eastern Region (6-8)	MU	90.40	89.75
10	Power from NER	MU	733.81	844.95
11	Total Power Purchase (9+10)	MU	824.20	934.70
12	NER Tr. Loss %	%	2.66	7.16
13	NER Tr. Loss	MU	21.92	66.92
14	Net power available (11-13)	MU	802.28	867.79
15	UI/Deviation	MU	30.44	10.94
16	Interstate Sale/ Energy Traded	MU	0.00	141.28
17	Banking (Net)	MU	5.89	-20.94
18	Total power available at state Periphery (5+14+15-16+17)	MU	922.24	823.15
19	Intra state Tr. Loss%	%	3.00	8.00
20	Intra state Tr. Loss	MU	27.67	65.85
21	Net power available for sale in Distribution (17-19)	MU	894.57	757.29
22	<b>Surplus (21-4)</b>	<b>MU</b>	<b>0.00</b>	<b>0.00</b>

DPN submits that the Hon'ble Commission may kindly consider & approve the loss as arrived based on the actual Energy figures for the year.

## Operation and Maintenance Expenses

The summary of approved and actual Employees Expenses, A&M expenses and A&G expenses as incurred by the DPN during the year is as below:

*Table 4: O & M Expenses (in Rs Crores)*

<b>O &amp; M Expenses</b>	<b>Approved in T.O. dated 2nd June 2022</b>	<b>2022-23 (Actual)</b>
Employee Expenses	142.72	164.40
R & M Expenses	31.38	16.64
A & G Expenses	3.65	3.27
<b>Total O&amp;M Expenses</b>	<b>177.75</b>	<b>184.32</b>

The petitioner requests the Hon'ble Commission to kindly consider & approve the O&M expenses proposed above based on the audited accounts for the year.

## GFA and Depreciation

It is submitted that DPN has considered the GFA as per the audited accounts for the year. The depreciation for the FY has also been considered accordingly. The table below presents the approved and actual asset details for the year. The Hon'ble Commission is requested to approve the same:

*Table 5: Asset Addition (Rs Crores)*

<b>Particulars</b>	<b>Approved in T.O. dated 2nd June 2022</b>	<b>2022-23 (Actual)</b>
Asset Addition during FY 2022-23	100.00	39.82

The table below presents the approved and actual depreciation for the year.

*Table 6: Depreciation (Rs Crores)*

Particulars	Approved in T.O. dated 2nd June 2022	2022-23 (Actual)
Depreciation for the year	0.00	77.37

DPN humbly requests the Hon'ble Commission to approve the depreciation based on the audited accounts.

### Interest on Loan

It is submitted that the entire capital employed has been funded through in fusion of funds by Government of Nagaland through budgetary support without any external borrowings on part of the DPN. As such, the DPN has not considered interest on loan for the year.

### Interest on Working Capital

it is submitted that the entire operating expenses of the Department is provided by the Government of Nagaland without any external borrowings toward working capital. Hence, DPN does not have any working capital loan. As such, the DPN has not claimed interest on Working Capital for the year

### Provision for Bad and Doubtful Debt

The DPN has not written off any bad debt during the year , hence no claim towards bad debt is made in the petition.

### Return on Equity

It is submitted that the entire capital employed has been funded through in fusion of funds by Government of Nagaland through budgetary support. There is no paid up equity capital nor DPN is paying any return on equity to the Government of Nagaland. In view of the above, the DPN has not claimed Return on Equity for the year.

## Non-Tariff Income

The table below presents the approved and actual Non-Tariff Income for the year.

*Table 7: Non-Tariff Income (Rs Crores)*

Particulars	Approved in T.O. dated 2nd June 2022	2022-23 (Actual)
<b>Non-Tariff Income</b>	14.60	2.92

## Revenue from Tariff

The billed revenue on actual sales and prevailing tariff as approved by the Commission is given in the table below.

*Table 8: Revenue on Current Tariff (Rs Crores)*

Particulars	Approved in T.O. dated 2nd June 2022	2022-23 (Actual)
Revenue from sale of Power	432.62	335.94
<b>Total</b>	<b>432.62</b>	<b>335.94</b>

## Aggregate Revenue Requirement and Surplus/Gap

The Aggregate Revenue Requirement and revenue gap for the year is as given in the table below:

*Table 9: Aggregate Revenue Requirement and Gap for True-Up (Rs Crores)*

S. No.	Particulars	Approved in T.O. dated 2nd June 2022	2022-23 (Actual)
1	Cost of Generation	15.00	19.68
2	Power Purchase cost	452.96	584.91
3	O&M Expenses:		
a	Employee cost	142.72	164.40
b	Repairs & Maintenance expenses	31.38	16.64
c	Administration and General Expenses	3.65	3.27
4	Depreciation	0.00	77.37
5	Interest & Finance charges including interest on Consumers Security Deposit	0	0.00
6	Interest on working capital	0	0.00
7	Provision for bad debts	0	0.00
8	Return on equity	-	0.00
<b>9</b>	<b>Total Revenue Requirement (1 to 8)</b>	<b>645.71</b>	<b>866.27</b>
10	Less Non tariff income	14.60	2.92
<b>11</b>	<b>Aggregate Requirement (9 - 10)</b>	<b>631.11</b>	<b>863.36</b>
12	Revenue from retail sales	432.62	335.94
13	Revenue Subsidy from Govt.		542.00
<b>14</b>	<b>Revenue Surplus/(Gap) for the Year (12-13-11)</b>	<b>(198.49)</b>	<b>14.59</b>

It is submitted that the Gap between the Annual Revenue Requirement & Revenue from tariff is funded through Revenue Subsidy by the Government of Nagaland. Hence, there is no net Gap for the year.

**Therefore, DPN requests the Hon'ble Commission to kindly approve the above ARR & Revenue for the year as presented above.**



## Chapter 3: Review of ARR for FY 2023-24

The Nagaland Electricity Regulatory Commission had notified the Multi Year Distribution Tariff Regulations, 2016 (MYT Regulations).

DPN had filed a Business plan for the period of FY 2020-21 to FY 2024-25 along with requisite details as provided in NERC (Multi-Year Tariff) Regulations 2016. The Hon'ble Commission in the MYT Order dated 20-03-2020 had approved ARR for the Control Period of FY 2020-21 to FY 2024-25 as per the MYT Regulations 2016.

Regulation 5.2 (b) of the MYT Regulations 2016 states the following:

*“From the first year of the Control Period and onwards, the Petition shall comprise of:*

- i) Truing Up for previous years under Nagaland Electricity Regulatory Commission(Terms and Conditions for Determination of Tariff) Regulations, 2010 Annual Performance Review for current year in accordance with these Regulations;*
- ii) Revenue from the sale of power at existing tariffs and charges for the ensuing year;*
- iii) Revenue gap for the ensuing year calculated based on ARR approved in the Tariff Order or MYT Order and truing up for the previous year;*
- iv) Application for revision of tariff for the ensuing year.”*

The petitioner is hereby filing annual performance review for FY 2023-24 as per the MYT framework and request the Hon'ble Commission to consider the revision in parameters based on the revised estimates for the FY 2023-24.

### Energy sales and Connected Load

The sales for the FY 2023-24 has been estimated based on CAGR of actual sales for the FY 2017-18 to FY 2022-23. The CAGR for past five/three/two/one-year growth have been applied appropriately on the actual sales for the FY 2022-23 to arrive at the estimated sales for the FY 2023-24. The calculation of five/three/two/one-year CAGR is provided in subsequent section in this petition. The approved and estimated sales for FY 2023-24 are given in the table below:

Table 10: Energy sales for FY 2023-24 (MUs)

S. No.	Categories	Approved in T.O. dated 27th March 2023	Estimated for FY 2023-24
1	Domestic including BPL	424.56	250.16
2	Industrial	46.71	11.22
3	Bulk Supply	115.75	76.83
4	Commercial	123.27	47.69
5	Public water works & sewage	0.04	0.35
6	Public Lighting	1.22	1.13
7	Agriculture	0.02	0.04
8	Single Point Metered Rural		59.94
9	Single Point Metered Urban		14.04
10	<b>Total Sale ( Within the State)</b>		<b>461.41</b>
11	Outside State Sale	-	155.54
12	<b>Grand Total</b>	<b>711.58</b>	<b>616.94</b>

The details of estimated Post Paid & Prepaid sales are provided in the tables below:

Table 10a: Energy sales (Post-paid) for FY 2023-24 (MUs)

S. No.	Categories	Estimated for FY 2023-24
1	Domestic including BPL	217.88
2	Industrial	10.22
3	Bulk Supply	76.82
4	Commercial	36.15
5	Public water works & sewage	0.35
6	Public Lighting	1.13
7	Agriculture	0.04
8	Single Point Metered Rural	59.94
9	Single Point Metered Urban	14.04
	<b>Grand Total</b>	<b>416.58</b>

Table 10b: Energy sales (Prepaid) for FY 2023-24 (MUs)

S. No.	Categories	Estimated for FY 2023-24
1	Domestic	32.27
2	Industrial	1.00
3	Bulk Supply	0.02
4	Commercial	11.54
	<b>Grand Total</b>	<b>44.83</b>

It is submitted that the Hon'ble Commission may kindly consider and approve the revised estimates of sales for the FY 2023-24.

### Intra-state T&D Losses

As per the Tariff Order dated 20-03-2020 the T&D loss as approved by the Commission for FY 2023-24 is 23.25% ( 20.25% distribution loss & 3% intra-state transmission loss).While DPN is dedicated for reducing the intra-state T&D losses in the state and targeting to achieving the T&D trajectory set by the Hon'ble Commission it requests the Hon'ble Commission to consider the geographical & topographical condition of the state for setting reasonable loss reduction target for the FY 2023-24. DPN submits that it has been making all efforts to bring down the T&D Losses with various infrastructure improvement initiatives & Central Government schemes such as RDSS & other IT/strengthening schemes. However, achieving the loss level as approved by the Hon'ble Commission is only possible in phased manner over next few years. It is difficult to bring the losses substantially from current level in one financial year.

One of the primary reasons of stagnation in losses is the dominance of domestic category in the sales mix. In spite of an increase in overall sale, maximum increase in sales have happened in the domestic category resulting in a higher proportion of the overall sales as compared to industrial consumers where the sales have not increased proportionately leading to a reduction in overall share.

It is submitted to the Hon'ble Commission that T&D reduction is difficult because of topographical conditions apart from the fact that maximum demand is in

domestic category and the scope for addition of HT consumers is limited or negligible. As a result, the sales to such categories is generally restricted leading to stagnation of T&D losses.

In view of the above, it is submitted that the Hon'ble Commission may kindly consider the above submission while deciding the T&D loss trajectory.

The Transmission losses for the FY 2023-24 have been proposed based on the actual T&D losses & Inter-state Transmission Losses for the FY 2022-23 and estimated reduction during the financial year. The Hon'ble Commission may kindly consider & approve the same.

## Energy Requirement

The revised energy balance for FY 2023-24 is as given in the table below, the Hon'ble Commission is requested to approve the same:

Table 11: Energy Balance for FY 2023-24

Energy Available	Approved in T.O. dated 27th March 2023	Estimated for FY 2023-24
Energy Sales with the State	711.58	461.41
Distribution Loss %	20.00	37.00
Distribution Loss (MUs)	<b>177.90</b>	<b>270.98</b>
Total Energy Requirement	889.48	732.39
<b>Energy Availability</b>		
Own Generation	108.30	84.40
Power from ER	94.15	93.15
ER Total Loss (%)	2.26%	2.26%
Regional Loss (MUs)	2.13	2.11
Net Energy from ER (MU's)	92.02	<b>91.05</b>
Power from NER	873.92	840.06
Total Power purchased	965.94	<b>931.11</b>
NER Tr. Loss %	2.66%	7.16%
NER Tr. Loss	25.69	66.66
<b>Net Energy Available</b>	<b>940.25</b>	<b>864.45</b>
Add: Over Drawn/Shortterm	0.00	5.74
Add: Banking (Import)	0.00	2.76
Less: Out side state sale	131.56	155.54
Less: Banking (Export)	0.00	5.74
<b>Total Energy Available at state periphery</b>	<b>916.99</b>	<b>796.08</b>
<b>Intra State Tr. Loss (%)</b>	<b>3.00</b>	<b>8.00</b>
<b>Intra State Tr. Loss (Mus)</b>	<b>27.51</b>	<b>63.69</b>
<b>Net Energy available for Sale</b>	<b>889.48</b>	<b>732.39</b>
<b>Demand Supply (Gap) / Surplus</b>	<b>0.00</b>	<b>0.00</b>

## Power Purchase Quantum and Cost

The Petitioner submits that it procures power from various sources from:

- Central Generating Stations (CGS) such as that of NTPC, NHPC , OTPC and NEEPCO
- Other Sources such as bilateral agreement, banking arrangement, power exchange etc.

For the purpose of review of FY 2023-24 power purchase quantum, DPN has considered actual power availability from April, 23 to September, 23 from various sources and estimated availability from October 23 to March, 24.

Shortfall in power from allocations, if any, based on the estimated sales and losses for FY 2023-24 shall be procured from short term sources i.e. power exchange, other trading sources.

DPN is also required to procure power from renewable sources for meeting the RPO as per the renewable regulations. It is submitted that DPN procures power from its own generating station – Likhimro HEP to meet the Non-Solar RPO. However, with regard to Solar RPO, it is submitted that DPN does not have tied up sources of solar power as on date . However, new solar projects in the state are being developed and procurement from these sources shall help DPN meet the Solar RPO requirement. In view of the above, it is requested that the Commission may allow DPN to meet the Solar & Non-solar RPO through Non-Solar sources to the extent available. Further, gaps may be allowed to be carried forward to be met in future years when solar sources are commissioned.

The power purchase cost for FY 2023-24 is computed based on the estimated energy to be procured during the year and available sources of power from the generating stations as per the allocations.

- a. The fixed cost for each plant is computed based upon the plant wise actual fixed charges for the FY 2022-23 & estimated for the FY 2023-24.
- b. The variable charge for the thermal plants has been considered based on the actual variable charge for the FY 2022-23 and escalated based on estimated increase.

- d. The generation units available from thermal plants & hydel plants are computed considering the actual power available during the FY 2023-24 (Upto September, 23 & estimated from October, 23 to March, 24).
- e. DPN is expecting to meet its energy requirement from the allocated power, however, intermittent deficit if any in energy during the year is proposed to be met through short term power.
- f. PGCIL, CTUCIL, NRLDC and other regulatory charges are computed based upon actual expenditure for FY 2023-24 (actual up to September, 23 & estimated from October, 23 to March, 24).

Based on the actual power purchase cost up to September, 23 & estimate from October, 23 to March, 24, the revised estimation of annual power purchase units and cost is summarized in the table below:

Table 12: Estimated Power Purchase Quantum and Cost for FY 2023-24

Particulars	Approved in T.O. dated 27th March 2023		Estimated for FY 2023- 24	
	Units (in MUs)	Cost (in Rs. Cr.)	Units (in MUs)	Cost (in Rs. Cr.)
<b>Central Sectors</b>				
Farakka STPS	45.54	29.98	41.47	167.88
Kahalgaoon STPS	21.65	12.41	21.57	
Talcher STPS	26.96	9.40	30.11	
BGTPP	210.34	146.65	190.53	
Loktak HEP	35.19	13.38	16.72	8.30
DOYANG HEP	10.62	7.68	9.73	144.35
AGBPP	86.81	63.81	70.94	
AGTPP	44.60	31.10	34.50	
KHANDONG HEP	-	-	0.00	
KOPI LI HEP	0.00	0.00	27.96	
RANGANADI HEP	60.96	15.87	63.50	
KOPI LI - II HEP	-	-	9.93	
PARE HEP	26.38	13.85	24.95	
KAMENG	43.98	18.47	40.39	
Palatana	339.87	116.69	334.36	115.17
<b>Others</b>				
DEVIATION/SHORTTERM/BANKING	-	-	8.50	3.74
Free Power	15.17		16.56	
Banking	-			
<b>Total</b>	<b>968.07</b>	<b>479.29</b>	<b>941.71</b>	<b>439.44</b>
REC Purchase		<b>6.12</b>		
Other Charges				0.01
<b>Total power purchase</b>	<b>968.07</b>	<b>485.41</b>	<b>941.71</b>	<b>439.45</b>
PGCIL- Transmission Charges		111.69		97.72
NERLDC/NERPC Charges		2.55		6.18
<b>Grand Total</b>	<b>968.07</b>	<b>599.66</b>	<b>941.71</b>	<b>543.35</b>

In view of above, DPN proposes the revised total power purchase units and power purchase cost of for the FY 2023-24. The Hon'ble Commission may kindly consider the above submissions and approve the power purchase units & cost as proposed.



## Cost of Generation

DPN has it's won 24 MW Likimro HEP. The cost of generation approved by the Hon'ble Commission and revised estimates for the FY 2023-24 is provided below. Hon'ble Commission may kindly consider and approve the same.

*Table 13: Approved and Estimated Cost of Generation for FY 2023-24 (Rs Crores)*

Particulars	Approved in T.O. dated 27th March 2023	Estimated for FY 2023-24
Cost of Generation	20.06	15.64

## Operations and Maintenance Expenses

Operation & Maintenance Expenses consists of three elements viz Employee Expenses, A&G Expenses and R&M Expenses. As per the MYT Regulations, O&M expenses shall be treated as controllable parameter and shall not be revised except those attributable to directions of the Hon'ble Commission.

DPN has estimated the Employee Expenses, A&G Expenses and R&M Expenses for the FY 2023-24 based on the actual for the FY 2022-23 & estimated figures for the current year. The actual expenses for the FY 2022-23 has been escalated by applying average increase in WPI for previous three years to estimate the expenses for the FY 2023-24. The estimated figures of various heads under O&M expenses for the FY 2023-24 is provided in the table below along with the respective approved expenses:

*Table 14: Approved and Estimated O&M Expenses for FY 2023-24 (Rs Crores)*

Particulars	Approved in T.O. dated 27th March 2023	Estimated for FY 2023-24
Employee Expenses	154.38	177.37
R&M Expenses	34.61	17.96
A&G Expenses	3.25	3.53
<b>Total O&amp;M Expenses</b>	<b>192.24</b>	<b>198.86</b>

The Hon'ble Commission is requested to consider and approve the total O&M expenses as computed in the table above.

## Capital Expenditure and Capitalization

The Hon'ble Commission had approved a capital expenditure of Rs. 100.00 Crores for FY 2023-24. DPN has considered the same for estimating the tariff determinants for the financial year.

## GFA and Depreciation

DPN has considered the opening GFA for the FY 2022-23 and taken the approved GFA additions of Rs. 100.00 Crores in the MYT Order for the year to arrive at the closing GFA for the FY 2023-24. It is submitted that any variation in GFA additions shall be submitted at the time of truing-up for the year.

DPN requests the Hon'ble Commission to approve the fixed assets as proposed in the table below:

*Table 15: Approved and Estimated Assets Addition for FY 2023-24 (Rs Crores)*

Particulars	Approved in T.O. dated 27th March 2023	Estimated for FY 2023-24
Opening GFA	3,328.59	1,745.28
Asset Capitalized	100.00	100.00
Closing GFA	3,428.59	1,845.28

The petitioner submits that it has prepare the Fixed Asset Register for the FY 2022-23. Depreciation has been calculated on the basis of the opening GFA & proposed additions during the FY 2023-24 at the rate prescribed in the MYT Regulations. The approved and revised depreciation for FY 2023-24 is provided below:

*Table 16: Approved and Estimated Depreciation for FY 2023-24 (Rs Crores)*

Particulars	Approved in T.O. dated 27th March 2023	Estimated for FY 2023-24
Opening Assets at the Beginning of the year	3,328.59	1,745.28
Addition of assets during the year	100.00	100.00
Gross Fixed assets at the end of the year	3,428.59	1,845.28
<b>Depreciation for the year</b>	<b>0.00</b>	<b>80.51</b>

## Interest on Loan

It is submitted that the entire capital employed has been funded through infusion of funds by Government of Nagaland through budgetary support without any external borrowings on part of the DPN. As such, the DPN has not considered interest on loan for the FY 2023-24.

## Interest on Working Capital

As per clause 29.4 of NERC MYT Regulations 2016 the working capital of a licensee shall consist of -

- a. Operation and maintenance expenses for one month; plus
- b. Maintenance spares at one (1) per cent of the historical cost escalated at 6% from the date of commercial operation; plus
- c. Receivables equivalent to one (1) month of the expected revenue from sale of electricity at the prevailing tariffs; minus
- d. Amount held as security deposits under clause (a) and clause (b) of sub-section (1) of Section 47 of the Act from consumers except the security deposits held in the form of Bank Guarantees;

However, it is submitted that the entire operating expenses of the Department is provided by the Government of Nagaland without any external borrowings toward working capital. Hence, DPN does not have any working capital loan. As such, the DPN has not claimed interest on Working Capital for the FY 2023-24.

## Return on Equity

Regulation 26 of MYT Regulations 2016 provides for Return on Equity (RoE) as follows:

*“Return on equity shall be computed on the paid up equity capital determined in accordance with Regulation 22 relating to the Generating Company or Transmission Licensee or Distribution Licensee as the case may be and shall be allowed at the rate of 15.5% for*

*Generating Companies, including hydro generation stations above 25 MW, Transmission Licensee, and Distribution Licensee”*

It is submitted that the entire capital employed has been funded through infusion of funds by Government of Nagaland through budgetary support. There is no paid up equity capital nor DPN is paying any return on equity to the Government of Nagaland. In view of the above, the DPN has not claimed Return on Equity for the FY 2023-24.

### Provision for Bad and Doubtful Debt

Regulation 89.8 of NERC MYT Regulations, 2016 provides as follows:

*“ The Commission may allow bad debts written off as a pass through in the aggregate revenue requirement, subject to prudence check.”*

DPN proposes to claim the Bad debt after the Annual Accounts for the year are finalised and audited. Hence, the same shall be claimed at the time of True-up for the FY 2023-24. Hon’ble Commission may allow the same.

### Non-Tariff Income

DPN is not proposing any revision in the Non-Tariff Income approved for the FY 2023-24. The actual Non-Tariff Income for the year shall be submitted for true-up along with the audited accounts. Hon’ble Commission may kindly consider the same.

*Table 17: Approved and estimated Non-Tariff Income for FY 2023-24 (Rs Crores)*

Particulars	Approved in T.O. dated 27th March 2023	Estimated for FY 2023- 24
Non-Tariff Income	15.33	15.33

## Revenue on Current Tariff

The revised estimate of revenue based on the estimated sales and approved tariff for FY 2023-24 is provided in the table below:

*Table 18: Approved and Estimated Revenue on Existing Tariff for FY 2023-24 (Rs Crores)*

S. No.	Category / Slab of Consumers	Approved in T.O. dated 27th March 2023	Estimated for FY 2023-24
1	Domestic	173.41	150.08
2	Industrial	32.15	7.68
3	Bulk Supply	79.87	53.01
4	Commercial	94.19	36.81
5	Public water works & sewage	0.03	0.26
6	Public Lighting	2.44	2.32
7	Agriculture	0.01	0.01
8	Single Point Metered Rural	55.73	31.77
9	Single Point Metered Urban	18.35	7.72
10	<b>Total ( Within the State)</b>	<b>456.18</b>	<b>289.67</b>
11	Outside state sale	54.16	125.63
12	<b>Total Sale</b>	<b>510.34</b>	<b>415.30</b>

The details of estimated Post Paid & Prepaid revenue at existing Tariff is provided in the tables below:

Table 18a: Estimated Revenue on Existing Tariff (Post-paid) for FY 2023-24 (Rs Crores)

S. No.	Category / Slab of Consumers	Estimated for FY 2023-24
1	Domestic	132.49
2	Industrial	7.04
3	Bulk Supply	53.00
4	Commercial	27.35
5	Public water works & sewage	0.26
6	Public Lighting	2.32
7	Agriculture	0.01
8	Single Point Metered Rural	31.77
9	Single Point Metered Urban	7.72
10	<b>Total</b>	<b>261.97</b>

Table 18b: Estimated Revenue on Existing Tariff (Prepaid) for FY 2023-24 (Rs Crores)

S. No.	Category / Slab of Consumers	Estimated for FY 2023-24
1	Domestic	17.59
2	Industrial	0.64
3	Bulk Supply	0.01
4	Commercial	9.46
5	<b>Total Sale</b>	<b>27.70</b>

### Estimated Aggregate Revenue Requirement and Gap for FY 2023-24

Based on the revised ARR and revenue projection, the revenue deficit for FY 2023-24 at existing tariff is proposed be as below:

Table 19: Estimated Aggregate Revenue Requirement and Surplus for the FY 2023-24 (Rs Crores)

S. No.	Particulars	Approved in T.O. dated 27th March 2023		Estimated for FY 2023-24	
1	Cost of power purchase	485.41		439.45	
2	Transmission charges	114.24		103.90	
3	Total cost of power purchase (1+2)		599.65		543.35
4	Cost of Generation		20.06		15.64
5	Employee Expenses	154.38		177.37	
6	Repair & Maintenance Expenses	34.61		17.96	
7	Administration & General Expenses	3.25		3.53	
8	Total O & M Expenses (5+6+7)		192.24		198.86
9	Interest and finance charges				
10	Depreciation		0.00		80.51
11	Interest on working capital		0.00		0.00
12	Return on Equity		0.00		0.00
<b>13</b>	<b>Total Revenue Requirement (3+4+8+9+10+11+12)</b>		<b>811.95</b>		<b>838.36</b>
14	Less: Non-Tariff Income		15.33		15.33
<b>15</b>	<b>Net Revenue Requirement (13-14)</b>		<b>796.62</b>		<b>823.03</b>
16	Revenue from Sales		510.33		415.30
17	Revenue Subsidy- Govt. of Nagaland		192.24		198.86
18	Additional Subsidy- Govt. of Nagaland		94.05		208.87
<b>19</b>	<b>Revenue Surplus/(Gap) for the Year (16+17+18- 15)</b>		<b>0.00</b>		<b>0.00</b>

It is submitted that the revenue gap in the financial year is met through the Revenue Subsidy from the Government of Nagaland. Hence, there will be no net gap to carried forward to subsequent year. It is requested that the Hon'ble Commission may kindly consider & approve the same.

## **Chapter 4: Approval of the various ARR Components for FY 2024-25**

The Hon'ble Commission in the MYT Order had approved ARR for the Control Period FY 2020-21 to FY 2024-25 as per the NERC MYT Regulations, 2016.

The petitioner is hereby filing the review of ARR for FY 2024-25 and Tariff Proposal for the year based on the changes in uncontrollable parameters i.e. sales, power purchase, etc. as per the MYT framework and request the Hon'ble Commission to consider the revision in the ARR based on the actual of FY 2022-23 and estimated figures for FY 2023-24. The section below covers each parameter in detail along with justification for revision.

### **Revised Projections for Number of Consumers, Connected Load and Energy sales**

The number of consumers, connected load & energy sales for the FY 2024-25 has been projected based on CAGR of actual figures for the FY 2017-18 to FY 2022-23. The CAGR for past five/three/two/one-year growth have been applied year over year appropriately on the actual figures for the FY 2022-23 to arrive at the projected number of consumers, connected load & Energy sales for the FY 2024-25. The calculation of CAGR & revised projection of number of consumers, connected load & energy sales is provided in Tables below.



Table 20: Calculation of CAGR for Number of consumers

S. No.	Categories	FY18	FY19	FY20	FY21	FY22	FY23	CAGR for 5 Years	CAGR for 3 Years	CAGR for 1 Years
1	Domestic including BPL	1,41,026	1,49,071	1,48,759	1,70,024	1,70,024	1,70,024	3.81%	4.55%	0.00%
2	Industrial	4,690	4,729	4,729	4,254	4,254	4,254	-1.93%	-3.47%	0.00%
3	Bulk Supply	1,522	1,962	2,186	2,064	2,064	2,064	6.28%	-1.90%	0.00%
4	Commercial	22,071	22,194	23,295	18,490	18,490	18,490	-3.48%	-7.41%	0.00%
5	Public water works & sewage	38	38	38	38	38	38	0.00%	0.00%	0.00%
6	Public Lighting	621	621	621	621	621	621	0.00%	0.00%	0.00%
7	Agriculture	1	1	1	8	8	8	51.57%	100.00%	0.00%
8	Single Point Metered Rural	1,11,226	1,11,226	1,11,773	1,10,831	1,10,831	1,10,831	-0.07%	-0.28%	0.00%
9	Single Point Metered Urban	6,177	8,422	8,422	10,880	10,880	10,880	11.99%	8.91%	0.00%
10	<b>Total</b>	<b>2,87,372</b>	<b>2,98,264</b>	<b>2,99,824</b>	<b>3,17,210</b>	<b>3,17,210</b>	<b>3,17,210</b>			

Table 21: Category wise Number of Consumers considered for FY 2024-25

S. No.	Categories	22-23 (Actual)	CAGR Used	23-24 (Est.)	24-25 (Proj.)
1	Domestic including BPL	1,70,024	3.81%	1,76,503	1,83,229
2	Industrial	4,254	5.00%	4,467	4,690
3	Bulk Supply	2,064	6.28%	2,194	2,331
4	Commercial	18,490	5.00%	19,415	20,385
5	Public water works & sewage	38	0.00%	38	38
6	Public Lighting	621	0.00%	621	621
7	Agriculture	8	0.00%	8	8
8	Single Point Metered Rural	1,10,831	5.00%	1,16,373	1,22,191
9	Single Point Metered Urban	10,880	8.91%	11,850	12,905
10	<b>Total</b>	<b>3,17,210</b>		<b>3,31,467</b>	<b>3,46,399</b>

It is submitted that the Hon'ble Commission may kindly consider and approve the number of consumers as projected above.

Table 22: Calculation of CAGR for Connected load

S. No.	Categories	FY18	FY19	FY20	FY21	FY22	FY23	CAGR for 5 Years	CAGR for 3 Years	CAGR for 1 Years
1	Domestic including BPL	56,316	60,029	59,920	62,874	70,116	70,116	4.48%	5.38%	0.00%
2	Industrial	11,418	11,484	11,484	11,484	10,990	10,990	-0.76%	-1.45%	0.00%
3	Bulk Supply	31,468	36,898	39,471	42,425	48,480	48,480	9.03%	7.09%	0.00%
4	Commercial	17,266	17,434	18,519	19,749	23,137	23,137	6.03%	7.70%	0.00%
5	Public water works & sewage	750	750	750	750	750	750	0.00%	0.00%	0.00%
6	Public Lighting	8,000	8,000	8,000	8,000	8,000	8,000	0.00%	0.00%	0.00%
7	Agriculture	10	10	10	10	10	10	0.00%	0.00%	0.00%
8	Single Point Metered Rural	44,416	44,789	45,022	41,396	34,386	34,386	-4.99%	-8.59%	0.00%
9	Single Point Metered Urban	2,467	3,391	3,392	4,064	5,821	5,821	18.73%	19.72%	0.00%
10	<b>Total</b>	<b>1,72,110</b>	<b>1,82,785</b>	<b>1,86,568</b>	<b>1,90,752</b>	<b>2,01,690</b>	<b>2,01,690</b>			

Table 23: Category wise Connected Load considered for FY 2024-25

S. No.	Categories	22-23 (Actual)	CAGR Used	23-24 (Estimated)	24-25 (Projected)
1	Domestic including BPL	70,116	4.48%	73,258	76,541
2	Industrial	10,990	5.00%	11,540	12,116
3	Bulk Supply	48,480	7.09%	51,919	55,601
4	Commercial	23,137	6.03%	24,532	26,011
5	Public water works & sewage	750	0.00%	750	750
6	Public Lighting	8,000	5.00%	8,000	8,000
7	Agriculture	10	5.00%	10	10
8	Single Point Metered Rural	34,386	0.00%	36,105	37,911
9	Single Point Metered Urban	5,821	0.00%	6,112	6,418
10	<b>Total</b>	<b>2,01,690</b>		<b>2,12,225</b>	<b>2,23,358</b>

It is submitted that the Hon'ble Commission may kindly consider and approve the connected load as projected above.

Table 24: Calculation of CAGR for Energy sales

S. No.	Categories	FY18	FY19	FY20	FY21	FY22	FY23	CAGR for 5 Years	CAGR for 3 Years	CAGR for 2 Years	CAGR for 1 Years
1	Domestic including BPL	160.50	160.71	174.15	215.09	221.72	232.32	7.68%	10.08%	3.93%	4.78%
2	Industrial	9.05	9.15	10.12	10.90	11.15	10.83	3.64%	2.28%	-0.32%	-2.91%
3	Bulk Supply	59.86	60.86	70.34	67.90	94.31	73.70	4.25%	1.57%	4.19%	-21.85%
4	Commercial	29.08	29.12	35.69	32.51	29.63	45.42	9.33%	8.37%	18.20%	53.29%
5	Public water works & sewage	0.05	0.05	0.15	0.08	0.07	0.33	48.68%	31.66%	99.47%	377.15%
6	Public Lighting	0.01	0.01	0.23	1.13	1.13	-	-100.00%	-100.00%	-100.00%	-100.00%
7	Agriculture	0.00	0.00	0.01	0.01	0.01	0.04	68.85%	47.83%	85.49%	304.31%
8	Single Point Metered Rural	32.65	32.55	50.25	61.58	72.19	57.35	11.93%	4.51%	-3.49%	-20.55%
9	Single Point Metered Urban	6.14	6.14	12.27	15.14	15.20	13.58	17.22%	3.42%	-5.30%	-10.66%
10	<b>Total Sale ( Within the State)</b>	<b>297.34</b>	<b>298.58</b>	<b>353.21</b>	<b>404.34</b>	<b>445.41</b>	<b>433.57</b>				
11	Outside state	29.25	44.35	41.01	67.05	46.32	141.28	7.84%	7.07%	3.55%	-2.66%
12	<b>Total</b>	<b>326.59</b>	<b>342.93</b>	<b>394.22</b>	<b>471.39</b>	<b>491.73</b>	<b>574.85</b>				

Table 25: Category wise Energy Sales considered for FY 2024-25

S. No.	Categories	22-23 (Actual)	CAGR Used	23-24 (Estimated)	24-25 (Projected)
1	Domestic including BPL	232.32	7.68%	250.16	269.36
2	Industrial	10.83	3.64%	11.22	11.63
3	Bulk Supply	73.70	4.25%	76.83	80.10
4	Commercial	45.42	5.00%	47.69	50.07
5	Public water works & sewage	0.33	5.00%	0.35	0.37
6	Public Lighting	0.00	0.00%	1.13	1.13
7	Agriculture	0.04	5.00%	0.04	0.04
8	Single Point Metered Rural	57.35	4.51%	59.94	62.64
9	Single Point Metered Urban	13.58	3.42%	14.04	14.52
10	<b>Total Sale ( Within the State)</b>	<b>433.57</b>		<b>461.41</b>	<b>489.87</b>
11	Outside state	141.28		155.54	106.43
12	<b>Total</b>	<b>574.85</b>		<b>616.94</b>	<b>596.30</b>

Table 26: Energy Sales for FY 2024-25 (In Mus)

S. No.	Categories	Approved in MYT.O. dated 20th March 2020	Projected
1	Domestic including BPL	480.86	269.36
2	Industrial	91.77	11.63
3	Bulk Supply	129.46	80.10
4	Commercial	140.56	50.07
5	Public water works & sewage	16.83	0.37
6	Public Lighting	20.51	1.13
7	Agriculture	0.02	0.04
8	Single Point Metered Rural		62.64
9	Single Point Metered Urban		14.52
<b>10</b>	<b>Total ( Within the State)</b>	<b>880.01</b>	<b>489.87</b>
11	Outside state sale		106.43
<b>12</b>	<b>Total</b>	<b>880.01</b>	<b>596.30</b>

The details of estimated Post-paid & Pre-paid sales is provided in the tables below:

Table 26a: Energy Sales (Post-paid) for FY 2024-25 (In Mus)

S. No.	Categories	Projected
1	Domestic including BPL	237.09
2	Industrial	10.63
3	Bulk Supply	80.08
4	Commercial	38.54
5	Public water works & sewage	0.37
6	Public Lighting	1.13
7	Agriculture	0.04
8	Single Point Metered Rural	62.64
9	Single Point Metered Urban	14.52
<b>10</b>	<b>Grand Total</b>	<b>445.04</b>

Table 26b: Energy Sales (Prepaid) for FY 2024-25 (In Mus)

S. No.	Categories	Projected
1	Domestic	32.27
2	Industrial	1.00
3	Bulk Supply	0.02
4	Commercial	11.54
5	<b>Grand Total</b>	<b>44.83</b>

In view of the above submissions, it is requested that the Hon'ble Commission may kindly approve the energy sales for the FY 2024-25 as projected in the above tables.

### Energy Availability and Power Purchase Quantum

Since, DPN does not have any generation capacity of its own, except for 24 MW Likhimro HEP, it relies entirely on the allocation of power from the Central Generating Stations like NTPC, NHPC, NEEPCO & OTPC etc. The current firm and unallocated power allocation from the various Central Generating Stations have been considered while projecting the power purchase from various generating stations.

The Energy availability to DPN from various plants is considered on the below mentioned methodology:

- a. The current firm and unallocated power allocation from the various Central Generating Stations have been considered as per the allocation statement issued by Northern Regional Power Committee. Current allocation from different plants to DPN has been considered for the availability to DPN for FY 2024-25.
- b. The generation units available from each plant are computed considering the availability from the plants during the FY 2022-23 & H1 of FY 2023-24.
- c. DPN is expecting to meet its energy requirement from the allocated power, however, intermittent deficit if any in energy during the year is proposed to be met through short term power.

Based on the above assumptions and methodology, the power availability to DPN from various generating stations during FY 2024-25 is as summarized below:

Table 27: Energy Available from different plants for FY 2024-25

S. No.	Source	Name of Project	Type	Capacity	Total Avg Entitlement in %	Entitlement in MW
1	NTPC	Farakka STPS	Coal	1600.00	0.43	6.88
2		Kahalgaoon STPS	Coal	840.00	0.43	3.57
3		Talcher STPS	Coal	1000.00	0.42	4.25
4		BGTTP	Coal	750.00	4.93	12.33
5	NHPC	Loktak HEP	Hydel	105.00	6.43	6.75
6	NEEPCO	DOYANG HEP	Hydel	75.00	17.81	13.35
7		AGBPP	Gas	291.00	5.81	16.89
8		AGTTP	Gas	135.00	5.74	4.82
9		KHANDONG HEP	Hydel	50.00	6.65	3.33
10		KOPI LI HEP	Hydel	200.00	6.15	12.29
11		RANGANADI HEP	Hydel	405.00	5.34	21.61
12		KOPI LI - II HEP	Hydel	25.00	5.74	1.43
13		PARE	Hydel	110.00	5.40	5.94
14		KAMENG	Hydel	600.00	1.50	9.00
15	OTPC	Palatana	Gas	726.60	7.16	52.04
16	LHEP	Own Generation	Hydel	24.00	100.00	24.00

Based on the above entitlements and reasonable assumptions, the energy availability to DPN from various generating stations during the FY 2024-25 is as summarized below:

Table 28: Energy Available from different plants for FY 2024-25 (in MUs)

S. No.	Name of Project	Approved in MYT.O. dated 20th March 2020	Projected
	<b>Central Sectors</b>		
1	Farakka STPS	40.79	41.47
2	Kahalgaon STPS	23.52	21.57
3	Talcher STPS	29.19	30.11
4	BGTTP	69.64	190.53
5	Loktak HEP	55.04	16.72
6	DOYANG HEP	15.48	9.73
7	AGBPP	79.62	70.94
8	AGTTP	34.22	34.50
9	KHANDONG HEP	16.75	0.00
10	KOPI LI HEP	63.34	27.96
11	RANGANADI HEP	73.94	63.50
12	KOPI LI - II HEP	6.31	9.93
13	Pare HEP	41.63	24.95
14	Kameng		40.39
15	Palatana	131.09	334.36
	<b>Others</b>		
16	DEVIATION/SHORTTERM/BANKING	341.73	8.50
17	Free Power	31.19	16.56
18	Own Geheration	91.00	84.40
	<b>Total</b>	<b>1,144.48</b>	<b>1,026.12</b>

## Power Purchase from Renewable Sources/RECs

DPN is also required to procure power from renewable sources for meeting the RPO as per the renewable regulations. It is submitted that DPN procures power from its own generating station – Likhimro HEP to meet the Non-Solar RPO. However, with regard to Non-solar RPO as submitted in the APR section above, DPN does not have tied up sources of solar power as on date. However, new solar projects in the state are being developed and procurement from these sources shall help DPN meet the Solar RPO requirement. In view of the above, it is requested that the Commission may allow DPN to meet the Solar & Non-solar RPO through Non-Solar sources. Further, gaps may be allowed to be carried forward to be met in future years when solar sources/Non-solar are commissioned. The details of current status of RPO & projections for the FY 2024-25 is being submitted separately.

## Power Purchase cost

It is submitted that CERC has issued new Tariff Orders for the period of FY 2019-24 for a number of generating stations based on which the fixed and energy charges from these stations have undergone a change. Therefore, it is important to consider the revised Tariff Orders of these generating stations for projection of power purchase cost.

Also, the actual power purchase cost from other generating sources is available for FY 2022-23 and Six months of FY 2023-24. The assumptions considered for projection of power purchase cost from various generating station are detailed below:

- a. The Fixed Cost for each plant is computed based upon the % allocation of the plant capacity to DPN and corresponding annual fixed charges approved for the generating stations as per their recent tariff orders for the control period (FY 2019-24) approved by CERC. For generating plants where tariff orders are still pending, actual fixed charges for FY 2022-23 & April, 23 to September, 23 have been escalated with estimated increase (based on actual increase during the previous periods).
- b. The Energy Charges for thermal plant are computed based on actual energy charges for April, 23 to September, 23 & estimated for October, 23 to March, 2024 along with escalation at estimated increase (based on actual increase during the previous periods).



- c. In case of hydro plants, the fixed & variable charge has been computed based on actual charges for April, 23 to September, 23 & estimated for October, 23 to March, 2024 along with escalation at estimated increase ( based on actual increase during the previous periods).
- d. PGCIL, CTUIL Charges, NERLDC Charges, Reactive Energy charges are computed based on actual charges for April, 23 to September, 23 & estimated for October, 23 to March, 2024 along with escalation at estimated increase ( based on actual increase during the previous periods).

The projected power purchase cost & transmission charges are as provided in the tables below:

Table 29: Projected Power Purchase Cost for FY 2024-25 (Rs. Crores)

Plant	Approved in MYT.O. dated 20th March 2020	Projected Cost (in Rs. Cr.)
<b>Central Sectors</b>		
Farakka STPS	22.23	181.12
Kahalgaon STPS	11.59	
Talcher STPS	10.28	
BGTPP	76.88	
Loktak HEP	22.38	8.96
DOYANG HEP	10.23	155.75
AGBPP	47.96	
AGTPP	24.37	
KHANDONG HEP	4.96	
KOPILI HEP	8.81	
RANGANADI HEP	30.95	
KOPILI - II HEP	1.90	
Pare HEP	26.15	
Palatana	56.49	124.26
<b>Others</b>		
DEVIATION/SHORTTERM/BANKING	105.83	4.04
Free Power		
<b>Total</b>	<b>461.02</b>	<b>474.12</b>
Cost of REC certificates	8.74	
Other Charges		0.01
<b>Grand Total</b>	<b>469.76</b>	<b>474.13</b>

Table 30: Transmissions and Other Charges projected for FY 2024-25 (Rs. Crore)

Particulars	Approved in MYT.O. dated 20th March 2020	Projected
PGCIL Charges	51.50	105.44
NERLDC/NERPC fees and charges	0.64	6.67
<b>Total</b>	<b>52.14</b>	<b>112.11</b>

Total revised power purchase cost projected for FY 2024-25 along with approved cost is as provided in table below. The Hon'ble Commission is requested to approve the same.

Table 31: Projected Power Purchase Cost for FY 2024-25 (Rs. Crores)

Particulars	Approved in MYT.O. dated 20th March 2020	Projected
<b>Total Power Purchase Cost</b>	<b>469.76</b>	<b>474.13</b>

## T&D Losses and Energy Requirement

As per the Tariff Order dated 20-03-2020 the T&D loss as approved by the Commission for FY 2024-25 is 23% (distribution loss – 20% & Intra-state Transmission loss -3%). DPN is dedicated for reducing the intra-state T&D losses in the state, however, as discussed in the previous chapter, it is submitted that while the sales have increased in the last three years, losses remained stagnant without much improvement due to increase in the sales majorly in the LT category. DPN submits that it has been making all efforts to bring down the T&D Losses with various infrastructure improvement initiatives & Central Government schemes such as RDSS. However, achieving the loss level as approved by the Hon'ble Commission is only possible in phased manner over next few years. It is difficult to bring the losses substantially from current level in one financial year.

One of the primary reasons of stagnation in losses is the dominance of domestic category in the sales mix. In spite of an increase in overall sale, maximum increase in sales has been in the domestic category resulting in a higher proportion of the overall sales as compared to industrial consumers where the sales increased marginally leading to a reduction in overall share.

It is submitted that T&D reduction is difficult because of topographical conditions apart from the fact that maximum demand is in the domestic category and the scope for addition of HT consumers is limited or negligible. As a result, the sales to such categories is generally restricted leading to stagnation of T&D losses.

With sales mostly to LT consumers, DPN feels that further reduction in the T&D loss in the state shall be possible after implementation of its various IT/metering/strengthening schemes. DPN is making all efforts to bring down the losses to the levels of approved T&D loss trajectory.

In view of the above, it is submitted that the Hon'ble Commission may kindly consider the above submission while deciding the T&D loss trajectory.

The Transmission losses for the FY 2024-25 have been proposed based on the actual T&D losses for the FY 2022-23 & estimated for the FY 2023-24. The Hon'ble Commission may kindly consider & approve the same.

Table 32: Energy Balance for FY 2024-25

Particulars	Approved in MYT.O. dated 20th March 2020	Projected
Energy Sales within the State	<b>880.01</b>	<b>489.87</b>
Distribution Loss %	19.25	37.00%
Distribution Loss (MUs)	209.78	287.70
Total Energy Requirement	<b>1,089.79</b>	<b>777.57</b>
<b>Energy Availability</b>		
Own Generation	91.00	84.40
Power from ER	<b>93.50</b>	<b>93.15</b>
ER Total Loss (%)	2.26%	2.26%
Regional Loss (MUs)	2.11	2.11
Net Energy from ER (MU's)	91.39	91.05
Power from NER	618.25	840.06
Total Power purchased	709.63	931.11
NER Tr. Loss %	2.66%	7.16%
NER Tr. Loss	18.88	66.66
<b>Net Energy Available</b>	690.76	864.45
Add: Over Drawn/Shortterm	341.73	5.74
Add: Banking (Import)	0.00	2.76
Less: Out side state sale	0.00	106.43
Less: Banking (Export)	0.00	5.74
<b>Total Energy Available at state periphery</b>	<b>1,123.49</b>	<b>845.19</b>
<b>Intra State Tr. Loss (%)</b>	<b>3.00</b>	<b>8.00</b>
<b>Intra State Tr. Loss (Mus)</b>	<b>33.70</b>	<b>67.61</b>
<b>Net Energy available for Sale</b>	<b>1,089.79</b>	<b>777.57</b>
<b>Demand Supply (Gap) / Surplus</b>	<b>0.00</b>	<b>0.00</b>

## Cost of Generation

DPN has it's won 24 MW Likimro HEP. DPN has projected the cost of generation based on the actual cost for the April, 23 to September, 23 & estimated for October, 23 to March, 2024. Further, estimated generation for the ensuing year as discussed in previous section has been considered. The cost of generation approved by the Hon'ble Commission and revised estimates for the FY 2024-25 is provided below. Hon'ble Commission may kindly consider and approve the same.

Table 33: Approved and Projected Cost of Generation for FY 2024-25 (Rs Crores)

Particulars	Approved in MYT.O. dated 20th March 2020	Projected
Cost of Generation	21.42	16.13

## Operations and Maintenance Expenses

Operation & Maintenance Expenses consists of three elements viz. Employee Expenses, A&G Expenses and R&M Expenses. As per the MYT Regulations, O&M expenses shall be treated as controllable parameter and shall not be revised except those attributable to directions of the Commission.

Accordingly, DPN has revised employee expenses, A&G expenses & R&M for FY 2024-25 by considering the Average increase in WPI for the last 3 financial years & escalating the actual O&M for the FY 2022-23 year over year. The O&M expenses approved by the Hon'ble Commission & revised estimates for the FY 2024-25 is provided in the table below:

Table 34: Approved and Projected O&M Expenses for FY 2024-25 (Rs Crores)

Particulars	Approved in MYT.O. dated 20th March 2020	Projected
Employee Expense	159.18	191.37
R&M Expense	41.94	19.38
A&G Expense	4.58	3.81
<b>Total O&amp;M Expenses</b>	<b>205.70</b>	<b>214.56</b>

The Hon'ble Commission is requested to approve the total O&M expenses as computed in the above table for the FY 2024-25.

## GFA and Depreciation

DPN has considered the closing GFA for the FY 2023-24 as submitted in the APR section above and considered the approved additions of Rs. 100.00 Crores for the FY 2024-25 in the MYT Order to arrive at the GFA for the FY 2024-25. It is submitted that the actual GFA additions for the FY 2024-25 shall be submitted at the time of truing-up for the year. DPN requests the Hon'ble Commission to approve the projected fixed assets as detailed in the table below:

*Table 35: Approved and Projected Assets Addition for FY 2024-25 (Rs Crores)*

Particulars	Approved in MYT.O. dated 20th March 2020	Projected
Opening GFA	3,528.59	1,845.28
Asset Capitalized	100.00	100.00
Closing GFA	3,628.59	1,945.28

The petitioner submits that it has prepared the Fixed Asset Register for the FY 2022-23. Depreciation for the FY 2024-25 has been calculated on the basis of the opening GFA for the FY 2023-24, estimated additions for the FY 2023-24 & proposed additions during the FY 2024-25 at the rate prescribed in the MYT Regulations. The approved and revised depreciation for FY 2024-25 is provided below:

*Table 36: Approved and Projected Depreciation for FY 2024-25 (Rs Crores)*

Particulars	Approved in MYT.O. dated 20th March 2020	Projected
Depreciation for the year	<b>156.00</b>	<b>84.99</b>

## Interest on Loan

It is submitted that the entire capital employed has been funded through infusion of funds by Government of Nagaland through budgetary support without any external borrowings on part of the DPN. As such, the DPN has not considered interest on loan for the FY 2024-25.

## Interest on Working Capital

As per clause 29.4 of NERC MYT Regulations 2016 the working capital of a licensee shall consist of -

- a. Operation and maintenance expenses for one month; plus
- b. Maintenance spares at one (1) per cent of the historical cost escalated at 6% from the date of commercial operation; plus
- c. Receivables equivalent to one (1) month of the expected revenue from sale of electricity at the prevailing tariffs; minus
- d. Amount held as security deposits under clause (a) and clause (b) of sub-section (1) of Section 47 of the Act from consumers except the security deposits held in the form of Bank Guarantees;

However, it is submitted that the entire operating expenses of the Department is provided by the Government of Nagaland without any external borrowings toward working capital. Hence, DPN does not have any working capital loan. As such, the DPN has not claimed interest on Working Capital for the FY 2024-25.

## Return on Equity

Regulation 26 of MYT Regulations 2016 provides for Return on Equity (RoE) as follows:

*“Return on equity shall be computed on the paid up equity capital determined in accordance with Regulation 22 relatable to the Generating Company or Transmission*



*Licensee or Distribution Licensee as the case may be and shall be allowed at the rate of 15.5% for Generating Companies, including hydro generation stations above 25 MW, Transmission Licensee, and Distribution Licensee”*

It is submitted that the entire capital employed has been funded through infusion of funds by Government of Nagaland through budgetary support. There is no paid up equity capital nor DPN is paying any return on equity to the Government of Nagaland. In view of the above, the DPN has not claimed Return on Equity for the FY 2024-25.

### Provision for Bad and Doubtful Debt

Regulation 89.8 of NERC MYT Regulations, 2016 provides as follows:

*“ The Commission may allow bad debts written off as a pass through in the aggregate revenue requirement, subject to prudence check.”*

DPN proposes to claim the Bad debt after the Annual Accounts for the year are finalised and audited. Hence, the same shall be claimed at the time of True-up for the FY 2024-25. Hon’ble Commission may allow the same.

### Non-Tariff Income

DPN is proposing the non-tariff income as approved in the MYT Order dated 20<sup>th</sup> March, 2020. The actual Non-Tariff Income shall be claimed based on the audited accounts at the time of True-up for the year. The proposed Non-tariff Income for the FY 2024-25 is as shown in the below table:

*Table 37: Projected Non-Tariff Income for FY 2024-25 (Rs. Crores)*

Particulars	Approved in MYT.O. dated 20th March 2020	Projected
<b>Non-Tariff Income</b>	<b>16.10</b>	<b>16.10</b>

## Aggregate Revenue Requirement of FY 2024-25

Based on the above discussion, the revised projection for Aggregate Revenue Requirement for FY 2024-25 is as given in the table below:

Table 38: Projected Aggregate Revenue Requirement for FY 2024-25 (Rs. Crores)

S. No.	Particulars	Approved in MYT.O. dated 20th March 2020		Projected	
1	Cost of power purchase	469.76		474.13	
2	Transmission charges	52.14		112.11	
3	Total cost of power purchase (1+2)		521.90		586.24
4	Cost of Generation		21.42		16.13
5	Employee Expenses	159.18		191.37	
6	Repair & Maintenance Expenses	41.94		19.38	
7	Administration & General Expenses	4.58		3.81	
8	Total O & M Expenses (5+6+7)		205.70		214.56
9	Interest and finance charges		-		-
10	Depreciation		156.00		84.99
11	Interest on working capital		13.23		-
12	Return on Equity		-		-
<b>13</b>	<b>Total Revenue Requirement (3+4+8+9+10+11+12)</b>		<b>918.25</b>		<b>901.92</b>
14	Less: Non-Tariff Income		16.10		16.10
<b>15</b>	<b>Net Revenue Requirement (13-14)</b>		<b>902.15</b>		<b>885.82</b>

## Revenue based on Existing Tariff

Based on the revised projection of sale and the existing tariff approved by the Hon'ble Commission as per the Tariff Order for the FY 2023-24, the estimated revenue for FY 2024-25 is summarized in table below:

Table 39: Revised Projections for Revenue at Existing Tariff for FY 2024-25 (Rs Crores)

S. No.	Category / Slab of Consumers	Projected
A	Domestic	161.75
B	Industrial	7.96
C	Bulk Supply	55.27
D	Commercial	38.62
E	Public water works & sewage	0.27
F	Public Lighting	2.43
H	Agriculture	0.01
I	Single Point Metered Rural	33.20
J	Single Point Metered Urban	7.99
K	<b>Total - within the state</b>	<b>307.50</b>
L	Outside state sale	93.62
M	<b>Total Sale</b>	<b>401.12</b>

Table 39a: Revised Projections for Revenue at Existing Tariff(Post-paid) for FY 2024-25 (Rs Crores)

S. No.	Category / Slab of Consumers	Projected
1	Domestic	144.16
2	Industrial	7.32
3	Bulk Supply	55.26
4	Commercial	29.16
5	Public water works & sewage	0.27
6	Public Lighting	2.43
7	Agriculture	0.01
8	Single Point Metered Rural	33.20
9	Single Point Metered Urban	7.99
10	<b>Total</b>	<b>279.80</b>

Table 39b: Revised Projections for Revenue at Existing Tariff(Pre-paid) for FY 2024-25 (Rs Crores)

S. No.	Category / Slab of Consumers	Projected
1	Domestic	17.59
2	Industrial	0.64
3	Bulk Supply	0.01
4	Commercial	9.46
5	<b>Total Sale</b>	<b>27.70</b>

### Revenue Gap for FY 2024-25

Based on the revised ARR and revenue for FY 2024-25 at existing tariff, the expected revenue gap is summarized in table below:

Table 40: Proposed Revenue Gap on Existing Tariff for FY 2024-25 (Rs. Crore)

S. No.	Particulars	FY 2024-25
1	Net Revenue Requirement	885.82
2	Revenue from sale of energy at Existing Tariff	401.12
3	Revenue Subsidy- Govt. of Nagaland	214.56
4	<b>Revenue Surplus/(Gap) for the Year (2+3-1)</b>	<b>(270.14)</b>

**The above revenue gap pertains to the FY 2024-25 only and does not include any revenue gap for APR for FY 2023-24. The proposed treatment for coverage of the revenue gap along with carrying cost is detailed in the subsequent Chapter.**

## **Chapter 5: Revenue Gap and Basis of proposal for revision of Tariff**

There is substantial gap between cost of supply and average revenue. DPN does not propose to recover the entire Gap in cost of supply & average revenue as these may result in huge burden on the consumers. Tariff is a sensitive subject having substantial impact on social, economic and financial well-being of the public at large as well as the viability and growth of power sector. Recovery of entire Gap through tariff increase is not practicable as this would make power unaffordable to the general consumers. DPN being a Government Department funded by budgetary support from State Government, it proposes to absorb the unrecovered gap.

In view of the above, the tariff proposal for FY 2024-25 for individual categories is given below along with the comparison of existing and proposed energy charges. The table below presents the existing and proposed tariff for various categories.

Table 41: Existing and Proposed Tariff

SI No.	CATEGORY	Existing Rate Rs./kwh	Proposed Rate Rs./kwh
1	2	3	4
A	1	<b>CATEGORY 'A' DOMESTIC</b>	
		(a) 0 to 30 kwh	5.35
		(b) 31 to 100 kwh	5.80
		(c) 101 to 250 kwh	6.50
		(d) > 250 kwh	7.10
	2	<b>CATEGORY 'B' INDUSTRIAL</b>	
		(a) < 500 kwh	6.50
		(b) 501 to 5000 kwh	7.00
		(c) > 5000 kwh	7.50
	3	<b>CATEGORY 'C' BULK</b>	
			6.90
	4	<b>CATEGORY 'D' COMMERCIAL</b>	
		(a) < 60 kwh	7.40
		(b) 61 to 240 kwh	8.60
		(c) > 240 kwh	9.00
	5	<b>CATEGORY 'E' P.W.W.</b>	
			7.45
	6	<b>CATEGORY 'F' Public Light</b>	
		To be recovered from consumers *	To be recovered from consumers *
	7	<b>CATEGORY 'G' INTERSTATE</b>	
			6.30
	8	<b>CATEGORY 'H' AGRICULTURE</b>	
			3.35
	9	<b>CATEGORY 'I' TEMPORARY CONNECTION</b>	
		DLF Rs.11.00 Others Rs.14.00	DLF Rs.11.50 Others Rs. 14.70
	10	<b>Kutir Jyoti(point)</b>	
		Same as DLF	Same as DLF
	11	<b>SINGLE POINT METERED RURAL</b>	
			5.30
	12	<b>SINGLE POINT METERED URBAN</b>	
			5.50
	*	Charges for public lighting have to be recovered from the Consumers of Domestic, Commercial, Industrial and Bulk categories at the rates shown below:	
		Domestic	Rs. 10 per connection / month
		Commercial	Rs. 15 per connection / month
		Industrial	Rs. 20 per connection / month
		Bulk Supply	Rs. 25 per connection / month

The Revenue from proposed tariff at the projected energy sales for the FY 2024-25 is provided below.

*Table 42: Revenue from Proposed Tariff (Rs. Crores)*

S. No.	Category / Slab of Consumers	Projected
A	Domestic	169.86
B	Industrial	8.35
C	Bulk Supply	58.07
D	Commercial	40.45
E	Public water works & sewage	0.29
F	Public Lighting	2.43
G	Agriculture	0.02
H	Single Point Metered Rural	35.08
I	Single Point Metered Urban	8.42
K	<b>Total within the State</b>	<b>322.96</b>
L	Outside state sale	93.62
M	<b>Total Sale</b>	<b>416.58</b>

The details of estimated Post-paid & Pre-paid Revenue is provided in the tables below:

*Table 42a: Revenue from Proposed Tariff (Post-paid) (Rs. Crores)*

S. No.	Category / Slab of Consumers	Projected
1	Domestic	151.30
2	Industrial	7.67
3	Bulk Supply	58.06
4	Commercial	30.53
5	Public water works & sewage	0.29
6	Public Lighting	2.43
7	Agriculture	0.02
8	Single Point Metered Rural	35.08
9	Single Point Metered Urban	8.42
10	<b>Total</b>	<b>293.79</b>

Table 42b: Revenue from Proposed Tariff (Pre-paid) (Rs. Crores)

S. No.	Category / Slab of Consumers	Projected
1	Domestic	18.56
2	Industrial	0.67
3	Bulk Supply	0.01
4	Commercial	9.92
5	<b>Total</b>	<b>29.16</b>

The Additional Revenue from proposed tariff at the projected energy sales for the FY 2024-25 is provided in the below.

Table 43: Additional Revenue from Proposed Tariff (Rs. Crores)

S. No.	Particular	2022-23
		Projected
1	Revenue from Existing Tariff	401.12
2	Revenue from Proposed Tariff	416.58
3	<b>Additional Revenue from Proposed Tariff (2-1)</b>	<b>15.46</b>

The recovery of the Revenue Gap based on the proposed tariff is detailed in the table below.

Table 44: Revised Revenue Gap based on Proposed Tariff (Rs. Crore)

Particulars	FY 2024-25
ARR for FY 2024-25	885.82
Revenue at Existing Tariff	401.12
Revenue Subsidy- Govt. of Nagaland	214.56
Additional Revenue from Proposed Tariff	15.46
Additional Subsidy- Govt. of Nagaland	254.69
<b>Net Surplus/ (Gap)</b>	<b>0.00</b>

It is submitted that category wise cost of supply has not been computed by DPN till date. DPN shall initiate an exercise & calculate the cost of supply of every category consumers after analysis of various cost factors associated with the supplying power to various categories of consumers. However, for determining the differential subsidy for various categories of consumers, DPN has considered average cost of supply per unit as full cost tariff for recovery of the proposed ARR. Accordingly, the category wise subsidy & proposed subsidized tariff for the FY 2024-25 has been calculated.



Considering the above, the full cost tariff, category wise subsidy & subsidized tariff proposal for FY 2024-25 for individual categories is given below along with the comparison of existing and proposed energy charges.

Table 45: Full Cost Tariff

**I. Full Cost Tariff, Subsidy & Subsidised Tariff for the FY 2024-25 (Post-Paid)**

Sl. No.	Category	Avg. COS	Revenue (Rs. In Crore)	Full Cost Tariff			Subsidy			Proposed Tariff		
				Full Cost Tariff (Rs./Kwh)	Units (MU)	Revenue (Rs. In Crore)	Subsidy (Rs./Kwh)	Units (MU)	Revenue (Rs. In Crore)	Proposed Tariff (Rs./Kwh)	Units (MU)	Revenue (Rs. In Crore)
1	<b>DOMESTIC</b>											
	(a) 0 to 30 kwh	14.86	62.35	10.50	41.97	44.05	4.90	41.97	20.54	5.60	41.97	23.50
	(b) 31 to 100 kwh	14.86	167.76	14.50	112.93	163.72	8.40	112.93	94.83	6.10	112.93	68.89
	(c) 101 to 250 kwh	14.86	53.05	16.50	35.71	58.92	9.70	35.71	34.64	6.80	35.71	24.28
	(d) > 250 kwh	14.86	69.04	18.40	46.48	85.51	10.95	46.48	50.89	7.45	46.48	34.62
2	<b>INDUSTRIAL</b>											
	(a) < 500 kwh	14.86	5.62	12.40	3.79	4.69	5.60	3.79	2.12	6.80	3.79	2.57
	(b) 501 to 5000 kwh	14.86	8.08	15.65	5.44	8.51	8.30	5.44	4.52	7.35	5.44	4.00
	(c) > 5000 kwh	14.86	2.08	18.40	1.40	2.58	10.55	1.40	1.48	7.85	1.40	1.10
3	<b>BULK</b>	14.86	118.96	14.86	80.08	118.96	7.61	80.08	60.90	7.25	80.08	58.06
4	<b>COMMERCIAL</b>											
	(a) < 60 kwh	14.86	50.57	14.35	34.04	48.86	6.60	34.04	22.48	7.75	34.04	26.38
	(b) 61 to 240 kwh	14.86	2.99	18.25	2.01	3.67	9.25	2.01	1.86	9.00	2.01	1.81
	(c) > 240 kwh	14.86	3.69	19.00	2.48	4.72	9.60	2.48	2.38	9.40	2.48	2.33
5	<b>P.W.W.</b>	14.86	0.55	14.86	0.37	0.55	7.06	0.37	0.26	7.80	0.37	0.29
6	<b>INTERSTATE</b>	14.86	0.00	14.86			0.00			6.60		
7	<b>AGRICULTURE</b>	14.86	0.07	14.86	0.04	0.07	11.36	0.04	0.05	3.50	0.04	0.02
8	<b>TEMPORARY CONNECTION</b>											
	DLF	14.86	0.00	14.86						11.50		
	Others	14.86	0.00	14.86						14.70		
9	<b>PUBLIC LIGHTING</b>	14.86	1.68	14.86	1.13	1.68	14.86	1.13	-0.75		1.13	2.43
10	<b>SINGLE POINT METERED RURAL</b>	14.86	93.06	14.86	62.64	93.06	9.26	62.64	57.98	5.60	62.64	35.08
11	<b>SINGLE POINT METERED URBAN</b>	14.86	21.58	14.86	14.52	21.58	9.06	14.52	13.15	5.80	14.52	8.42
12	<b>Total Postpaid within the State ( 1 to 11)</b>		661.13		445.04	661.13		445.04	367.33		445.04	293.80

## II. Full Cost Tariff, Subsidy &amp; Subsidised Tariff for the FY 2024-25 (Pre-Paid)

Sl. No.	Category	Avg. COS	Revenue (Rs. In Crore)	Full Cost Tariff			Subsidy			Proposed Tariff		
				Full Cost Tariff (Rs./Kwh)	Units (MU)	Revenue (Rs. In Crore)	Subsidy (Rs./Kwh)	Units (MU)	Revenue (Rs. In Crore)	Proposed Tariff (Rs./Kwh)	Units (MU)	Revenue (Rs. In Crore)
1	DOMESTIC											
	All Units	14.86	47.95	14.86	32.27	47.95	9.11	32.27	29.39	5.75	32.27	18.56
2	INDUSTRIAL											
	All Units	14.86	1.49	14.86	1.00	1.49	8.11	1.00	0.81	6.75	1.00	0.67
3	BULK											
	All Units	14.86	0.02	14.86	0.02	0.02	7.86	0.02	0.01	7.00	0.02	0.01
4	COMMERCIAL											
	All Units	14.86	17.14	14.86	11.54	17.14	6.26	11.54	7.22	8.60	11.54	9.92
5	AGRICULTURE											
	All Units	14.86	0.00	14.86			11.56			3.30		
6	Total Prepaid within the State (1 to 5)		66.59		44.83	66.59		44.83	37.43		44.83	29.16
7	Total Postpaid & Prepaid within the State [ I (12) + II (6) ]		727.72		489.87	727.72		489.87	404.76		489.87	322.96

**Impact of Tariff on Consumers**

The revenue gap and the average tariff hike proposed are presented in the table below:

Table 46: Impact of Tariff on Consumers

Sr. No.	Particulars	Units	FY 2024-25	
			Existing	Proposed
1	Net ARR	Rs. Crores	885.82	885.82
2	Revenue from tariff	Rs. Crores	307.50	322.96
3	Revenue from sale of power out side the State	Rs. Crores	93.62	93.62
4	<b>Total Revenue- Energy sale</b>	Rs. Crores	401.12	416.58
5	Revenue Subsidy- Govt. of Nagaland	Rs. Crores	214.56	214.56
6	Additional Subsidy- Govt. of Nagaland	Rs. Crores	0.00	254.69
7	<b>Gap (1-4-5-6)</b>	Rs. Crores	270.14	0.00
8	Sales within State	MU's	489.87	489.87
9	Sale of power out side the State	MU's	106.43	106.43
10	Total Sales	MU's	596.30	596.30
11	Average Cost of Supply (1 /10 x 10}	Rs. per kWh	14.86	14.86
12	Average Revenue [(4+5+6) /10 x 10]	Rs. per kWh	10.33	14.86
13	Pure Gap (11-12)	Rs. per kWh	4.53	0.00
14	Average Hike in Tariff	Rs. per kWh		0.26
15	Average Hike	%		2.51

**In light of the above submission, the DPN requests the Hon'ble Commission to approve the revised tariff proposals as below.**

**Table 47: Tariff Schedule**

SI No.	CATEGORY	Proposed Rate Rs./kwh
1	2	3
A	1	<b>CATEGORY 'A' DOMESTIC</b>
	(a) 0 to 30 kwh	5.60
	(b) 31 to 100 kwh	6.10
	(c) 101 to 250 kwh	6.80
	(d) > 250 kwh	7.45
	Monthly minimum charges - Rural	150.00 pm/kw of contract demand or part thereof
	Monthly minimum charges - Urban	200.00 pm/kw of contract demand or part thereof
	2	<b>CATEGORY 'B' INDUSTRIAL</b>
	(a) < 500 kwh	6.80
	(b) 501 to 5000 kwh	7.35
	(c) > 5000 kwh	7.85
	Monthly minimum charges	200.00 pm/kv of contract demand or part thereof
	3	<b>CATEGORY 'C' BULK</b>
	Monthly minimum charges	200.00 pm/kva of contract demand or part thereof
	4	<b>CATEGORY 'D' COMMERCIAL</b>
	(a) < 60 kwh	7.75
	(b) 61 to 240 kwh	9.00
	(c) > 240 kwh	9.40
	Monthly minimum charges	200.00 pm/kw of contract demand or part thereof
	5	<b>CATEGORY 'E' P.W.W.</b>
	Monthly minimum charges	100.00 pm/kva or part thereof
	6	<b>CATEGORY 'F' Public Light</b>
		To be recovered from consumers *
	7	<b>CATEGORY 'G' INTERSTATE</b>
		6.60
	8	<b>CATEGORY 'H' AGRICULTURE</b>
	Monthly minimum charges	75.00 pm/HP or part thereof
	9	<b>CATEGORY 'I' TEMPORARY CONNECTION</b>
		DLF Rs.11.50 Others Rs. 14.70
	10	<b>Kutir Jyoti(point)</b>
		Same as DLF
	11	<b>SINGLE POINT METERED RURAL</b>
		5.60
	12	<b>SINGLE POINT METERED URBAN</b>
		5.80
	*	Charges for public lighting have to be recovered from the Consumers of Domestic, Commercial, Industrial and Bulk categories at the rates shown below:
	Domestic	Rs. 10 per connection / month
	Commercial	Rs. 15 per connection / month
	Industrial	Rs. 20 per connection / month
	Bulk Supply	Rs. 25 per connection / month

<b>B</b>	<b>OTHER CHARGES</b>		
	(a)	Disconnection charges	Rs.
		i. Single phase L.T.	150/connection
		ii. Three phase L.T.	250/connection
		iii. H.T. consumers (11KV above)	1500/connection
	(b)	Reconnection charges	
		i. Single phase L.T.	150/connection
<b>C</b>		ii. Three phase L.T.	250/connection
		iii. H.T. consumers (11KV above)	1500/connection
	<b>METER RENT</b>		Rs. per meter/month
	i.	Single phase L.T.	20.00
	ii.	Three phase L.T. (whole current)	50.00
	iii.	Three phase L.T. (CT operated)	100.00
	iv.	<b>11 kv H.T.</b>	500.00
<b>D</b>	v.	<b>33 kv H.T.</b>	750.00
	vi.	<b>66 kv EHV</b>	900.00
	vii.	<b>132 kv EHV</b>	<b>1000.00</b>
<b>E</b>	<b>METER TESTING CHARGES</b>		<b>Rs. per meter per test</b>
	i.	Single phase L.T.	100.00
	ii.	Three phase L.T.	300.00
	iii.	Three phase L.T. (11 KV above)	1,000.00
<b>F</b>	<b>SECURITY DEPOSIT</b>		<b>Rs. per connection</b>
	i.	Single phase L.T.	250.00
	ii.	Three phase L.T.	750.00
	iii.	Three phase L.T. (11 KV above)	3,000.00
<b>G</b>	<b>SURCHARGES (DELAYED PAYMENT)</b>		Re.0.10/kwhpm or part thereof
<b>H</b>	<b>BILLING PERIODICALLY</b>		Monthly
<b>I</b>	<b>CHARGES OF POLES USAGE FOR ADVERTISEMENT</b>		Rupees
	1	Charges for application and agreement forms	100.00
	2	Charges towards dismantling of hoardings/banners	300.00
	3	The pole rental charges for advertisements: -	Rs./per month
		a. Category I-Commercial area (Max size 3'x2')	100.00
		b. Category II-Residential area (Max size 3'x2')	60.00
		c. Category III-National Highway (Max size 3'x2') (Outside the city/town limit)	40.00

Tariff Schedule proposed for the prepaid metered consumers is provided below. It is submitted that Hon'ble Commission may kindly consider & approve the same.

Table 48: Tariff Schedule for Prepaid Metered Consumers

SI No.	CATEGORY	Proposed Rate Rs./kwh
1	<b>CATEGORY 'A' DOMESTIC</b>	
	All Units	5.75
2	<b>CATEGORY 'B' INDUSTRIAL</b>	
	All Units	6.75
3	<b>CATEGORY 'C' BULK</b>	
	All Units	7.00
4	<b>CATEGORY 'D' COMMERCIAL</b>	
	All Units	8.60
5	<b>CATEGORY 'H' AGRICULTURE</b>	
	All Units	3.30

- Meter Rent: Same as post-paid.

## **Chapter 6: Compliance of Directive**

The submission towards compliance of directives issued by the Hon'ble Commission in the Tariff order Dt. 27.03.2023 is being submitted separately.

**Appendix - C**  
*for*  
**Distribution Business**

**Application Formats to be filled by Department  
of Power, Govt. of Nagaland**

**for the FY 2024-25**



# ING FORMATS FOR TOTAL BUSINESS

	Financial Formats		
	Expenses formats		
1	Sheet	A1	Aggregate Revenue Requirement
2	Sheet	F1	Power Purchase cost
3	Sheet	F1a	Month-wise power procurement details
4	Sheet	F1b	Energy Balance : Energy Input and Cost of Pool Power
5	Sheet	F1c	Intra State Transmission Charges
6	Sheet	F1e	Inter-State Transmission Charges
7	Sheet	F2	Gross Fixed Assets & Depreciation
8	Sheet	F2b	Financing of capitalised works - Loan details
9	Sheet	F2d	Details of Expenses Capitalised
10	Sheet	F2e	Statements of assets not in use
11	Sheet	F2f	Contribution Grants & subsidies towards Capital assets
12	Sheet	F3	Interest & Finance charges
13	Sheet	F3a	Loan master for all loans outstanding as on 1.4.2015
14	Sheet	F3b	Calculation of weighted average rate of interest on actual loans
15	Sheet	F4	Interest on Working Capital Requirements
16	Sheet	F5	R&M Expenses
17	Sheet	F6	Employees' Cost & Provisions
18	Sheet	F6a	Employee Strength
19	Sheet	F7	Administration & General Expenses
20	Sheet	F8	Details of Equity
21	Sheet	F9	Statement of Receivables
22	Sheet	F10	Income Tax Provisions
23	Sheet	F11	Other income
24	Sheet	F11a	Income from Miscellaneous Charges from consumers
25	Sheet	F11b	Expenses and Income from Business other than Licensed business
26	Sheet	F12	Consumer Security Deposit
	Revenue formats		
27	Sheet	R1	Projection of Sales, Customers & Connected load for metered consumers
28	Sheet	R2	Monthly projection of sales in MU for the MYT Period
29	Sheet	R3	Revenue from Current Tariff & Charges
30	Sheet	R4	Revenue from Proposed Tariff & Charges
31	Sheet	R5	Income from wheeling charges
	Tariff Formats		
32	Sheet	T1	Tariff Proposal

Electronic copy in the form of CD/ Floppy Disc shall also be furnished

- 1) These formats are indicative in nature and the utility may align the line items to its chart of accounts
- 2)

PY                      Previous Year  
CY                      Current Year  
EY                      Ensuring Year

Aggregate Revenue Requirement					
	Particulars	Ref. Form No.	PY	CY	EY
			FY 2022-23	FY 2023-24	FY 2024-25
	Power Purchase (MU)		960.42	941.71	941.71
	Sale of Power (MU)	R1, R2, R3, R4	433.57	461.41	489.87
	Distribution Loss		323.72	270.98	287.70
		All figures in Rs Crores			
<b>A</b>	<b>Expenditure</b>		<b>866.27</b>	<b>838.36</b>	<b>901.92</b>
	Cost of power purchase	F1	487.92	439.45	474.13
	Inter-State Transmission charges	F1e	94.55	97.72	105.44
	Intra-state Transmission charges	F1c	0.00	0.00	0.00
	Wheeling charges payable to other distribution licensee	F1c	0.00	0.00	0.00
	Cost of Generation		19.68	15.64	16.13
	NERLDC/NERPC fees and charges		2.43	6.18	6.67
	O&M Expenses - Employee Cost, R&M Cost, Admn & Gen Expenses		184.32	198.86	214.56
	Depreciation		77.37	80.51	84.99
	Interest and Finance Charges		0.00	0.00	0.00
	Interest on Working Capital		0.00	0.00	0.00
	Return on Equity		0.00	0.00	0.00
	Income Tax				
<b>B</b>	<b>Less</b>		<b>2.92</b>	<b>15.33</b>	<b>16.10</b>
	Other Income (Including income from wheeling charges)	F11	2.92	15.33	16.10
	Income from other business allocated to Licensed business	F11b			
	<b>Aggregate Revenue Requirement (A-B)</b>		<b>863.36</b>	<b>823.03</b>	<b>885.82</b>
<b>C</b>	<b>Less: Revenue from Existing Tariff</b>		<b>335.94</b>	<b>415.30</b>	<b>401.12</b>
<b>D</b>	<b>Revenue Subsidy- Govt. of Nagaland</b>		<b>184.32</b>	<b>198.86</b>	<b>214.56</b>
<b>E</b>	<b>Revenue Gap</b>				

SI No	Source	Plant Capacity (MW)	Licensee's Share in %	Licensee's Share in MW	MU Purchased / generated (ex-bus)	All Charges Total in Rs Crs
<b>A</b>	<b>Central Generating Stations</b>					
<b>I</b>	<b>NTPC -</b>					
	<b>Energy charges - 2021-22</b>					
1	FSTPS	1600.00	0.43	6.88	42.41	
2	KHTPS	840.00	0.43	3.57	21.66	
3	TSTPS	1000.00	0.42	4.25	27.76	
4	BGTPP	750.00	4.93	12.33	189.42	
	Supplimentary					
1	FSTPS					
2	KHTPS					
3	TSTPS					
4	BGTPP					
	Rebate					
	<b>NTPC-Total</b>	<b>4190</b>		<b>27.02</b>	<b>281.25</b>	
<b>II</b>	<b>NHPC</b>					
	<b>Energy charges - 2021-22</b>					
1	Loktak HEP -	105.00	6.43	6.75	30.05	
	Supplimentary					
1	Loktak HEP -					
	Rebate					
	<b>NHPC-Total</b>	<b>105</b>		<b>6.75</b>	<b>30.05</b>	
<b>III</b>	<b>NEEPCO</b>					
	<b>Energy charges - 2021-22</b>					
1	DOYANG HEP	75.00	17.81	13.35	10.12	
2	AGBPP	291.00	5.81	16.89	76.51	
3	AGTPP	135.00	5.74	4.82	40.21	
4	KHANDONG HEP	50.00	6.65	3.33	0.00	
5	KOPILI HEP	200.00	6.15	12.29	0.00	
6	RANGANADI HEP	405.00	5.34	21.61	72.67	
7	KOPILI - II HEP	25.00	5.74	1.43	0.00	
8	PARE	110.00	5.40	5.94	28.10	
9	KAMENG	600.00	1.50	9.00	43.16	
	Supplimentary					
	All Projects					
	Free Power ( Doyang)				20.41	
	Rebate					
		<b>1891</b>		<b>88.66</b>	<b>291.20</b>	
<b>IV</b>	<b>Other Stations/IPPs</b>					
1	ONGCTPCL	726.60	7.16	52.04	334.28	
	Rebate					
2	APPCL					
3	PTC					
	Rebate					
4	Deviation/Short term				23.64	
5	Other Charges					
	<b>Others-Total</b>	<b>726.6</b>	<b>7.16</b>	<b>52.04</b>	<b>357.93</b>	
<b>B</b>	<b>State generating Stations</b>					
1	IPGCL					
2						
3						
	<b>State Generating Stations-Total</b>					
<b>C</b>	<b>Inter-Regional Power Purchase</b>					
1	Eastern Region					
2	Southern Region					
3	Northern Region					
	<b>IR-Total</b>					
<b>D</b>	<b>Bilateral Power Purchase</b>					
1	Utility 1					
2	Utility 2					
3	Utility 3					
4	Utility 4					
	<b>Bilateral-Total</b>					
<b>E</b>	<b>Grand Total</b>	<b>6912.6</b>		<b>174.48</b>	<b>960.42</b>	<b>487.92</b>
<b>F</b>	<b>Total Apportioned Inter-State transmission losses</b>					
<b>G</b>	<b>Total energy input to Distribution Company system (E-F)</b>					

Sl No	Source	Plant Capacity (MW)	Licensee's Share in %	Licensee's Share in MW	MU Purchased / generated (ex-bus)	All Charges Total in Rs Crs
<b>A</b>	<b>Central Generating Stations</b>					
<b>I</b>	<b>NTPC -</b>					
	Energy charges - 2022-23					
1	FSTPS	1600.00	0.43	6.88	41.47	
2	KHTPS	840.00	0.43	3.57	21.57	
3	TSTPS	1000.00	0.42	4.25	30.11	
4	BGTPP	750.00	4.93	12.33	190.53	
	Supplimentary					
1	FSTPS					
2	KHTPS					
3	TSTPS					
4	BGTPP					
	<b>NTPC-Total</b>	<b>4190</b>		<b>27.02</b>	<b>283.68</b>	<b>167.88</b>
<b>II</b>	<b>NHPC</b>					
	Energy charges - 2022-23					
1	Loktak HEP -	105.00	6.43	6.75	16.72	8.30
	Supplimentary					
1	Loktak HEP -					
	<b>NHPC-Total</b>	<b>105</b>		<b>6.75</b>	<b>16.72</b>	<b>8.30</b>
<b>III</b>	<b>NEEPCO</b>					
	Energy charges - 2022-23					
1	DOYANG HEP	75.00	17.81	13.35	9.73	
2	AGBPP	291.00	5.81	16.89	70.94	
3	AGTPP	135.00	5.74	4.82	34.50	
4	KHANDONG HEP	50.00	6.65	3.33	0.00	
5	KOPILI HEP	200.00	6.15	12.29	27.96	
6	RANGANADI HEP	405.00	5.34	21.61	63.50	
7	KOPILI - II HEP	25.00	5.74	1.43	9.93	
8	PARE	110.00	5.40	5.94	24.95	
9	KAMENG	600.00	1.50	9.00	40.39	
	Supplimentary					
	All Projects					
	Free Power ( Doyang)				16.56	
	<b>1891</b>			<b>88.66</b>	<b>298.46</b>	<b>144.35</b>
<b>IV</b>	<b>Other Stations/IPPs</b>					
1	ONGCTPCL	726.60	7.16	52.04	334.36	115.17
2	GECL					
3	PTC					
4	Deviation/Short term				8.50	3.74
5	Other Charges					0.01
	<b>Others-Total</b>	<b>726.6</b>		<b>52.04</b>	<b>342.85</b>	<b>118.92</b>
<b>B</b>	<b>State generating Stations</b>					
1	IPGCL					
2						
3						
	<b>State Generating Stations-Total</b>					
<b>C</b>	<b>Inter-Regional Power Purchase</b>					
1	Eastern Region					
2	Southern Region					
3	Northern Region					
	<b>IR-Total</b>					
<b>D</b>	<b>Bilateral Power Purchase</b>					
1	Utility 1					
2	Utility 2					
3	Utility 3					
4	Utility 4					
	<b>Bilateral-Total</b>					
<b>E</b>	<b>Grand Total</b>	<b>6912.6</b>		<b>174.48</b>	<b>941.71</b>	<b>439.45</b>
<b>F</b>	<b>Total Apportioned Inter-State transmission losses</b>					
<b>G</b>	<b>Total energy input to Distribution Company system (E-F)</b>					

SI No	Source	Plant Capacity (MW)	Licensee's Share in %	Licensee's Share in MW	MU Purchased / generated (ex-bus)	All Charges Total in Rs Crs
<b>A</b>	<b>Central Generating Stations</b>					
<b>I</b>	<b>NTPC -</b>					
	<b>Energy charges - 2023-24</b>					
1	FSTPS	1600.00	0.43	6.88	41.47	
2	KHTPS	840.00	0.43	3.57	21.57	
3	TSTPS	1000.00	0.42	4.25	30.11	
4	BGTTP	750.00	4.93	12.33	190.53	
	Supplimentary					
1	FSTPS					
2	KHTPS					
3	TSTPS					
4	BGTTP					
	<b>NTPC-Total</b>	<b>4190</b>		<b>27.02</b>	<b>283.68</b>	<b>181.12</b>
<b>II</b>	<b>NHPC</b>					
	<b>Energy charges - 2023-24</b>					
1	Loktak HEP -	105.00	6.43	6.75	16.72	8.96
	Supplimentary					
1	Loktak HEP -					
	<b>NHPC-Total</b>	<b>105</b>		<b>6.75</b>	<b>16.72</b>	<b>8.96</b>
<b>III</b>	<b>NEEPCO</b>					
	<b>Energy charges - 2023-24</b>					
1	DOYANG HEP	75.00	17.81	13.35	9.73	
2	AGBPP	291.00	5.81	16.89	70.94	
3	AGTTP	135.00	5.74	4.82	34.50	
4	KHANDONG HEP	50.00	6.65	3.33	0.00	
5	KOPILI HEP	200.00	6.15	12.29	27.96	
6	RANGANADI HEP	405.00	5.34	21.61	63.50	
7	KOPILI - II HEP	25.00	5.74	1.43	9.93	
8	PARE	110.00	5.40	5.94	24.95	
9	KAMENG	600.00	1.50	9.00	40.39	
10	Supplimentary					
11	All Projects					
12	Free Power ( Doyang)				16.56	
	<b>1891</b>			<b>88.66</b>	<b>298.46</b>	<b>155.75</b>
<b>IV</b>	<b>Other Stations/IPPs</b>					
1	ONGCTPCL	726.60	7.16	52.04	334.36	124.26
2	GECL					
3	PTC					
4	Deviation/Short term				8.50	4.04
5	Other Charges					0.01
	<b>Others-Total</b>	<b>726.6</b>		<b>52.04</b>	<b>342.85</b>	<b>128.30</b>
<b>B</b>	<b>RPO Cost</b>					
	<b>Total</b>					
<b>C</b>	<b>Inter-Regional Power Purchase</b>					
1	Eastern Region					
2	Southern Region					
3	Northern Region					
	<b>IR-Total</b>					
<b>D</b>	<b>Bilateral Power Purchase</b>					
	<b>Bilateral-Total</b>					
<b>E</b>	<b>Grand Total</b>	<b>6912.6</b>		<b>174.48</b>	<b>941.71</b>	<b>474.13</b>
<b>F</b>	<b>Total Apportioned Inter-State transmission losses</b>					
<b>G</b>	<b>Total energy input to Distribution Company system (E-F)</b>					

### Month-wise Power Procurement details

Form No: F1a

Month Wise Power Procurement Details			Total cost (Rs Lakhs)											
		Capacity MW	Months in the Financial Year:											
Sl No	Source / Station		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
<b>A</b>	<b>Central Generating Stations</b>													
<b>I</b>	<b>NTPC</b>													
1														
2														
3														
4														
	<b>NTPC-Total</b>													
<b>II</b>	<b>NHPC</b>													
1														
2														
3														
	<b>NHPC-Total</b>													
<b>III</b>	<b>Other Stations/IPPs</b>													
1														
2														
	<b>Others-Total</b>													
<b>B</b>	<b>State generating Stations</b>													
1	IPGCL													
2														
3														
	<b>State Generating Stations-Total</b>													
<b>C</b>	<b>Inter-Regional Power Purchase</b>													
1	Eastern Region													
2	Southern Region													
3	Northern Region													
	<b>IR-Total</b>													
<b>D</b>	<b>Bilateral Power Purchase</b>													
1	Utility 1													
2	Utility 2													
3	Utility 3													
4	Utility 4													
	<b>Bilateral-Total</b>													
<b>E</b>	<b>GRAND TOTAL</b>													
<b>F</b>	<b>Total Apportioned Inter-State transmission losses</b>													
<b>G</b>	<b>Total energy input to Distribution Company system (E-F)</b>													

Month wise details is being compiled and same shall be submitted subsequently

## Energy Balance

Form No. :F1b

	Particulars	Calculation	PY		CY		EY	
			FY 2022-23		FY 2023-24		FY 2024-25	
			%	MU	%	MU	%	MU
<b>1</b>	<b>Energy Sales</b>							
	a) LT Sales	A1						
	b) HT Sales at 11kV	A2		433.57		461.41		489.87
	c) HT Sales at 33kV	A3						
	c) EHT Sales	A4						
	<b>Total Energy Sales</b>	<b>A</b>		<b>433.57</b>		<b>461.41</b>		<b>489.87</b>
<b>2</b>	<b>Distribution Losses</b>							
	a) Distribution losses at 33kV level	B1		323.72		270.98		287.70
	b) Distribution losses in HT 11kV and LT system combined	B2						
	<b>Total Distribution Losses</b>	<b>B</b>		<b>323.72</b>		<b>270.98</b>		<b>287.70</b>
<b>3</b>	<b>Energy requirement at T-D boundary</b>							
	a) 11kV and LT energy requirement combined	$C1 = (A1+A2)/(1-B)$						
	b) HT 33kV energy requirement	$C2 = A3/(1-B1)$						
	<b>Total energy requirement at T-D boundary</b>	<b>C = C1 + C2</b>						
<b>4</b>	<b>Intra-State Transmission Losses</b>	<b>D</b>						
<b>5</b>	Energy requirement of EHT consumers	$E = A4/(1-D)$						
<b>6</b>	Energy Requirement of Distribution system consumers after grossing up for Intra-State Transmission losses	$F = C/(1-D)$						
<b>7</b>	<b>Energy Requirement of Distribution Licensee</b>	<b>G = E + F</b>						
<b>8</b>	<b>Inter-State Transmission Losses</b>	<b>H</b>						
<b>9</b>	<b>Total Energy requirement</b>	<b>I = G/(1 - H)</b>		<b>757.29</b>		<b>732.39</b>		<b>777.57</b>
<b>10</b>	<b>Total Energy available</b>	<b>J</b>		<b>757.29</b>		<b>732.39</b>		<b>777.57</b>
<b>11</b>	<b>Surplus / (Deficit)</b>	<b>J - I</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

Cells shaded with this colour are to be filled for particular item

### Transmission and Wheeling Charges

Form No: F1c

		PY			CY			EY		
Sl. No.	Particulars	FY 2022-23			FY 2023-24			FY 2024-25		
		Contracted Capacity (MW)	Monthly Charge (Rs/MW/month)	Total charges (Rs.Crs.)	Contracted Capacity (MW)	Monthly Charge (Rs/MW/month)	Total charges (Rs.Crs.)	Contracted Capacity (MW)	Monthly Charge (Rs/MW/month)	Total charges (Rs.Crs.)
1	Intra State Transmission Charges	Not Applicable								
2	Wheeling Charges Payable to Other Distribution Licensee									



## Inter State Transmission Charges

Form No: F1e

		PY	CY	EY
Sl.No.	Lines/ Links/ Region	FY 2022-23	FY 2023-24	FY 2024-25
		Transmission Service Charges (Rs. Crs.)	Transmission Service Charges (Rs. Crs.)	Transmission Service Charges (Rs. Crs.)
A	NER			
	PGCIL	94.55	97.72	105.44
	Rebate			
	Sub-total	94.55	97.72	105.44
B	OTHERS-SLDC Fees & Charges	2.43	6.18	6.67
	Rebate			
	Sub-total	2.43	6.18	6.67
D	TOTAL	96.98	103.90	112.11

Sl.No	Particulars	GFA				Depreciation				
		At Begning of Year	Addition During Year	Adjustments & Deduction & assets not in use	At End Of Year	Opening Depreciation	Rate of Depreciation	Depreciation for the year	Cumulative Depreciation	Net Fixed Assets
1	Land & Land rights	1705.46	39.82	0	1745.28	733.11	4.48	77.37	810.48	934.80
2	Building and Civil Works									
	Others 1									
	Others 2									
	Others 3									
	Sub-Total									
3	Hydraulic Works									
4	Other Civil Works									
5	Plant & Machinery									
	Power Transformers and kiosks									
	New GSS, Augmentation of Bays &									
	Other substation apparatus									
	Switchgears, Control gear & Protection									
	Batteries									
	Others									
	Sub-Total									
	Total									
6	Line Cable Networks etc.									
	Overhead lines upto 11kV									
	Underground cables upto 11kV									
	LT lines, service connections, etc.									
	Cable Duct System									
	Metering equipment									
	Others									
	Sub-Total									
	Total									
7	Lightening Arrestors									
	Station type									
	Pole type									
	Synchronbous Conductor									
	Sub Total									
8	Air Conditioning Plants									
	Static									
	Portable									
	Sub Total									
9	Communication equipment									
10	Meters									
11	Vehicles									
12	Furniture & fixtures									
13	Office Equipments									
14	Assets Purchased in second hand									
15	Assets of Partnership projects etc.									
16	Assets taken over & pending final									
17	Any other items									
18	Total (1 to 17 excluding 15)	1705.46	39.82	0	1745.28	733.11		77.37	810.48	934.80

## Gross Fixed Assets &amp; Depreciation for FY 2023-24 (Estimated)

Contd. of Form No: F2

Sl.No	Particulars	GFA				Depreciation				
		At Begning of Year	Addition During Year	Adjustments & Deduction & assets not in use	At End Of Year	Opening Depreciation	Rate of Depreciation	Depreciation for the year	Cumulative Depreciation	Net Fixed Assets
1	Land & Land rights	1745.28	100	0.00	1845.28	810.48	4.48	80.51	890.99	954.29
2	Building and Civil Works									
	Others 1									
	Others 2									
	Others 3									
	Sub-Total									
3	Hydraulic Works									
4	Other Civil Works									
5	Plant & Machinery									
	Power Transformers and kiosks									
	New GSS, Augmentation of Bays &									
	Other substation apparatus									
	Switchgears, Control gear & Protection									
	Batteries									
	Others									
	Sub-Total									
	Total									
6	Line Cable Networks etc.									
	Overhead lines upto 11kV ( Including RGC									
	Underground cables upto 11kV									
	LT lines, service connections, etc.									
	Cable Duct System									
	Metering equipment									
	Others									
	Sub-Total									
	Total									
7	Lightening Arrestors									
	Station type									
	Pole type									
	Synchronbous Conductor									
	Sub Total									
8	Air Conditioning Plants									
	Static									
	Portable									
	Sub Total									
9	Communication equipment									
10	Meters									
11	Vehicles									
12	Furniture & fixtures									
13	Office Equipments									
14	Assets Purchased in second hand									
15	Assets of Partnership projects etc.									
16	Assets taken over & pending final									
17	Any other items									
18	Total (1 to 17 excluding 15)	1745.28	100.00	0.00	1845.28	810.48		80.51	890.99	954.29

Sl.No	Particulars	GFA				Depreciation				
		At Begning of Year	Addition During Year	Adjustments & Deduction & assets not in use	At End Of Year	Opening Depreciation	Rate of Depreciation	Depreciation for the year	Cumulative Depreciation	Net Fixed Assets
1	Land & Land rights	1845.28	100	0.00	1945.28	890.99	4.48	84.99	975.97	969.30
2	Building and Civil Works									
	Others 1									
	Others 2									
	Others 3									
	Sub-Total									
3	Hydraulic Works									
4	Other Civil Works									
5	Plant & Machinery									
	Power Transformers and kiosks									
	New GSS, Augmentation of Bays &									
	Other substation apparatus									
	Switchgears, Control gear & Protection									
	Batteries									
	Others									
	Sub-Total									
	Total									
6	Line Cable Networks etc.									
	Overhead lines upto 11kV ( Including RGC									
	Underground cables upto 11kV									
	LT lines, service connections, etc.									
	Cable Duct System									
	Metering equipment									
	Others									
	Sub-Total									
	Total									
7	Lightening Arrestors									
	Station type									
	Pole type									
	Synchronbous Conductor									
	Sub Total									
8	Air Conditioning Plants									
	Static									
	Portable									
	Sub Total									
9	Communication equipment									
10	Meters									
11	Vehicles									
12	Furniture & fixtures									
13	Office Equipments									
14	Assets Purchased in second hand									
15	Assets of Partnership projects etc.									
16	Assets taken over & pending final									
17	Any other items									
18	Total (1 to 17 excluding 15)	1845.28	100.00	0.00	1945.28	890.99		84.99	975.97	969.30

Particulars	Previous Year						
	As on 31.3.(n-4)	As on 31.3.2023					
	Rates of Interest for Loans: %	Rates of Interest for Loans: %	Moratorium Period for the loans:	Moratorium effective from:	Repayment Period of the loans:	Repayment effective from:	Repayment Instalment Amount:
Loan -1		Not Applicable					
Loan -2							
Loan -3							

Sl.No.	Particulars	PY	PY	PY	CY	EY
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Interest & Finance charges Capitalised	Not Applicable				
2	Other expenses capitalised:					
	a. Employee expenses					
	b. A&G Expenses					
	c. Others, if any					
	Total of 2					
	Grand Total (1+2)					

All figures in Rs Crores

Sl. No.	Asset details	Date of Acquisition/Installation	Historical Cost/Cost of Acquisition	Date of withdrawal from operations	Cumulative depreciation recovered ( if any )	Proposed residual value can be recovered ( if any)
NIL						
	Total					

## Contributions, Grants and subsidies towards Cost of Capital Assets

Form No: F2f

SI No	Particulars	PY		CY		EY	
		FY 2022-23		FY 2023-24		FY 2024-25	
		Additions during the Year	Balance at the end of the Year	Additions during the Year	Balance at the end of the Year	Additions during the Year	Balance at the end of the Year
1	Consumer Contribution Towards Cost Of Capital Assets						
	<b>Sub-Total</b>						
1	Subsidies Towards Cost Of Capital Assets						
2	Grant Towards Cost Of Capital Assets	39.82	39.82	100.00	139.82	100.00	239.82
	<b>Sub-Total</b>						
	<b>Total</b>						



		Particulars	PY	CY	EY
		In Rs Crores	FY 2022-23	FY 2023-24	FY 2024-25
A	I	Interest charges on State Govt. Loans, Bonds And Advances			
		1 Normative Loan as per Regulation			
		2 Opening GFA			
		3 Opening Loan (70% of the opening GFA)			
		4 Addition in Loan (70% of Capitalisation)			
		Cummulative Repayment			
		5 Reapayment of Loan (equivalent to depreciation for the year )			
		6 Closing Loan Amount			
		7 Average Loan			
		8 Interest Rate on Loan			
		9 Total Interest Cost on Long term Loan			
		10 Total of I			
	II	Interest on Long Term Loans / Credits from the FIs/banks/organisations approved by the State Government			
		1 Secured			
		2			
		3			
		4			
		5 Un-secured			
		6			
		7			
		8			
		9			
		10			
		Total of II			
	III	Total of A : I + II			
B		Cost of raising finance & Bank Charges on project loans			
C		Grand Total Of Interest & Finance Charges: A + B			
D		Less: Interest & Finance Charges Chargeable to Capital Account			
E		Net Total Of Interest & Finance Charges on Project Loans C-D			
F		Interest on Working Capital Loans			
G		Interest on Consumer Security Deposit			
H		Interest at weighted average rate of loan portfolio on excess additional equity, if any**			
I		Total interest and finance charges chargeable to revenue account (E+F+G+H)			

Not Claimed

(All figures in Rs. Crs.)

[illegible]

Particulars	Type of Loan (Please mention "PS" or "WC")							
		EY						
		Gross Loan - Opening (Rs. Crs.)	Add: Drawals during the year (Rs. Crs.)	Less: Repayment of Loan during the year (Rs. Crs.)	Closing Balance of loan (Rs. Crs.)	Average loan (Rs. Crs.)	Rate of Interest on loan %	Interest on loan (Rs. Crs.)
Loan - 1		Not Applicable						
Loan - 2								
Loan - 3								
Total Loan								
Weighted average Rate of Interest on Loans %								

**I. Interest on Working Capital Requirements for wire business****Form No: F4**

Sl. No.	Particulars	PY	CY	EY
		FY 2022-23	FY 2023-24	FY 2024-25
A)	Receivables equivalent to 1 month of expected revenue from existing Tariff plus	Calculated as per Allocation Matrix		
B)	O&M expenses for one month plus			
C)	Maintenance of spares at 1% of historical costs of fixed assets minus			
D)	Amount held as Security Deposit in Cash			
E)	Total Working capital ((A+B+C)-D)			
F)	Rate of Interest @ SBAR of relevant year			
G)	Interest on Working Capital	0.00	0.00	0.00

**II. Interest on Working Capital Requirements for Retail Supply of Electricity**

All figures in Rs Crores

Sl. No.	Particulars	PY	CY	EY
		FY 2022-23	FY 2023-24	FY 2024-25
A)	Receivables equivalent to 1 month of expected revenue from sale of electricity at prevailing rates; plus	Not Claimed		
B)	Maintenance of spares at 1% of historical costs of fixed assets minus			
C)	O&M Expenses for one month plus			
D)	Amount held as Security Deposit in Cash			
E)	Total Working capital ((A+B+C)-D)			
F)	Rate of Interest @ SBAR of relevant year			
G)	Interest on Working Capital			

**Repair & Maintenance Expenditure****Form No: F5**

Sl.No.	Particulars	PY	CY	EY
	Figure in Rs Crore	FY 2022-23	FY 2023-24	FY 2024-25
1	Plant and Machinery	16.64	17.96	19.38
	- 33kV substation			
	- 11kV substation			
	- Switchgear and cable connections			
	- Others			
2	Building			
3	Civil Works			
4	Hydraulic Works			
5	Lines, Cables Net Works etc.			
	- 33kV lines			
	- 11kV lines			
	- LT lines			
	- Meters and metering equipment			
	- Others			
6	Vehicles			
7	Furniture and Fixtures			
8	Office Equipments			
9	Station Supplies			
10	Any other items			
11	<b>R&amp;M expenses</b>	16.64	17.96	19.38

		PY	CY	EY
	Particulars	FY 2022-23	FY 2023-24	FY 2024-25
<b>A</b>	<b>Employee's Cost (Other Than Covered In 'B'&amp;'C')</b>			
1	Salaries			
2	Additional Pay / DA			
3	Other Allowances & Relief			
4	Addl. Pay & C.Off Encashment	164.40	177.37	191.37
5	Interim Relief / Wage Revision (10%)			
6	Honorarium/Overtime			
7	Bonus/Exgratia To Employees			
	<b>Sub Total</b>	<b>164.40</b>	<b>177.37</b>	<b>191.37</b>
	<b>Other Costs</b>			
8	Medical Expenses Reimbursement			
9	Travelling Allowance(Conveyance Allowance)			
10	Leave Travel Assistance			
11	Incentives/Awards Including That In Partnership Project (Specify Items)			
12	Earned Leave Encashment			
13	Payment Under Workman'S Compensation And Gratuity			
14	Subsidised Electricity To Employees			
15	Any Other Item			
16	Staff Welfare Expenses			
	<b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>B</b>	<b>Apprentice And Other Training Expenses</b>			
<b>C</b>	<b>Payment/Contribution To PF</b>			
1	Provident Fund Contribution			
2	Any Other Items			
	<b>Total C</b>			
<b>D</b>	<b>Grand Total</b>	<b>164.40</b>	<b>177.37</b>	<b>191.37</b>
<b>E</b>	Employee expenses capitalised			
<b>F</b>	<b>Net Employee expenses (D)-(E)</b>	<b>164.40</b>	<b>177.37</b>	<b>191.37</b>

**Employee Strength****Form No: F6a**

Sl.No	Particulars	PY	CY	EY
		FY 2022-23	FY 2023-24	FY 2024-25
		Working Strength At The Beginning Of The Year	Working Strength At The Beginning Of The Year	Working Strength At The Beginning Of The Year
1	O&M Duties	4614	4525	4414
2	Project execution			
3	Metering and Billing			
4	Consumer services (call centers, etc.)			
	<b>Total</b>	4614	4525	4414

S.No.	Particulars	PY	CY	EY
	In Rs Crores	FY 2022-23	FY 2023-24	FY 2024-25
<b>A)</b>	<b>Administration Expenses</b>			
	<b>Rent rates and taxes</b>			
i)	Lease / Rent			
ii)	Rates & Taxes			
	<b>Sub - total of Rent rates and taxes</b>			
iii)	Insurance			
iv)	Revenue Stamp Expenses Account			
v)	Telephone,Postage,Telegram & Telex Charges			
vi)	Incentive & Award To Employees/Outsiders			
vii)	Consultancy Charges			
viii)	Technical Fees			
ix)	Other Professional Charges			
x)	Conveyance And Travel			
xi)	DERC License fee			
	<b>License And Registration Fee Of</b>			
xii)	Plant And Machinery			
xiii)	Vehicles			
	<b>Vehicle Expenses (Other Than Trucks And Delivery Vans)</b>			
xiv)	Vehicles Running Expenses Petrol And Oil			
xv)	Hiring Of Vehicles			
xvi)	Security / Service Charges Paid To Outside Agencies			
	<b>Sub-Total of Adminstrative Expenses</b>			
<b>B)</b>	<b>Other Charges</b>			
i)	Fee And Subscriptions Books And Periodicals			
ii)	Printing And Stationery			
iii)	Advertisement Expenses (Other Than Purchase Related) Exhibition & Demo.			
iv)	Contributions/Donations To Outside Institute / Association	3.27	3.53	3.81
v)	Electricity Charges To Offices & Establishments			
vi)	Water Charges			
vii)	Entertainment Charges			
viii)	Miscellaneous Expenses			
	<b>Sub-Total of other charges</b>			
<b>C)</b>	<b>Legal Charges</b>			
<b>D)</b>	<b>Auditor'S Fee</b>			
<b>E)</b>	<b>Material Related Expenses</b>			
i)	Freight On Capital Equipments			
ii)	Purchase Related Advertisement Expenses			
iii)	Vehicle Running Expenses Truck / Delivery Van			
iv)	Vehicle Hiring Expenses Truck / Delivery Van			
v)	Other Freight			
vi)	Transit Insurance			
vii)	Octroi			
viii)	Incidental Stores Expenses			
ix)	Fabrication Charges			
	<b>Sub Total of Material related expenses</b>			
<b>F)</b>	<b>Expense Related to Raising of Loans</b>			
i)	Upfront Fee			
ii)	Processing Fee			
	<b>Sub Total of finacing expenses</b>			
<b>G)</b>	<b>Total Charges</b>	<b>3.27</b>	<b>3.53</b>	<b>3.81</b>
<b>H)</b>	<b>A&amp;G expenses capitalised</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>I)</b>	<b>Net A&amp;G expenses</b>	<b>3.27</b>	<b>3.53</b>	<b>3.81</b>



**Details of Equity****Form No: F8**

All figures in Rs Crores

Sl.No.	Particulars	PY	CY	EY
		FY 2022-23	FY 2023-24	FY 2024-25
<b>A</b>	<b>Gross Fixed Assets at the beginning of year (net of consumer contributions)</b>	<b>1705.46</b>	<b>1745.28</b>	<b>1845.28</b>
A1	Opening balance of GFA identified as funded through equity	511.64	523.58	553.58
A2	Opening balance of GFA identified as funded through debt	1193.82	1221.69	1291.69
<b>B</b>	<b>Proposed capitalisation of assets as per the investment plan (net of consumer contribution)</b>	<b>39.82</b>	<b>100.00</b>	<b>100.00</b>
B1	Proportion of capitalised assets funded out of equity, internal reserves	11.95	30.00	30.00
B2	Balance Proportion of capitalised assets funded out of project loans (B - B1)	27.87	70.00	70.00
C1	Normative additional equity (30% of B)	11.95	30.00	30.00
C2	Normative additional debt (70% of B)	27.87	70.00	70.00
D1	Excess / shortfall of additional equity over normative (B1-C1)	0.00	0.00	0.00
D2	Excess / shortfall of additional debt over normative (B2-C2)	0.00	0.00	0.00
<b>E</b>	<b>Equity eligible for Return (A1+(C1/2)) OR (A1+(B1/2)), whichever is lower</b>	<b>517.61</b>	<b>538.58</b>	<b>568.58</b>

## Statement of Receivables

Form No: F9

All figures in Rs Crores

Sl.No.	Particulars	PY	PY	PY	CY	EY
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Receivable from customers as at the beginning of the year	Shall be submitted seperately				
	<i>Receivable less than three months old</i>					
	<i>Receivables older than three months, upto six months</i>					
	<i>Receivables older than six months, upto 1 Year</i>					
	<i>Receivable older than 1 year, upto 2 year</i>					
	<i>Receivable older than 2 years</i>					
2	Revenue billed for the year					
3	Collection for the year					
	Against current dues					
	Against arrears upto previous year					
4	Gross receivable from customers as at the end of the year					
	<i>Receivable less than three months old</i>					
	<i>Receivables older than three months, upto six months</i>					
	<i>Receivables older than six months, upto 1 Year</i>					
	<i>Receivable older than 1 year, upto 2 year</i>					
	<i>Receivable older than 2 years</i>					

All figures in Rs Crores

Sl.	Particulars	PY	PY	PY	CY	EY
	In Rs Crores	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Return on Equity for the Year	Not Applicable				
2	Tax Rate Applicable for the Year					
3	Income Tax on the Return on Equity					
4	Credit/Debit Of Assessment Year(S) (Give Details)					

	Particulars	PY	CY	EY
	Figure in Rs Crore	FY 2021-22	FY 2023-24	FY 2024-25
<b>A</b>	<b>Income from Investment, Fixed &amp; Call Deposits</b>			
1	Interest Income from Investments other than Contingency Reserve			
2	Interest on fixed deposits			
3	Interest from Banks other than Fixed Deposits			
4	Interest on (any other items)			
	<b>Sub-Total</b>			
<b>B</b>	<b>Other Non Tariff Income</b>			
1	Interest on loans and Advances to staff	2.92	15.33	16.10
2	Interest on Loans and Advances to other Licensee			
3	Interest on Loans and Advances to Lessors			
4	Interest on Advances to Suppliers / Contractors			
6	Gain on Sale of Fixed Assets			
7	Income/Fee/Collection against staff welfare activities			
8	Miscellaneous receipts			
9	Wheeling charges from Open access Consumers			
10	Meter Rent			
11	Recovery from theft of energy			
12	Surcharge and Additional Surcharge			
13	Incentive due to Securitisation of CPSU Dues			
14	Misc. charges from consumers			
15	Delayed payment surcharge from consumers			
16	Any other subsidies / grants other than those u/s 65			
17	Commission on collection of Electricity Duty for MCD			
	<b>Sub-Total</b>	<b>2.92</b>	<b>15.33</b>	<b>16.10</b>
	<b>Total (A+B)</b>	<b>2.92</b>	<b>15.33</b>	<b>16.10</b>

S.No.	Particulars	PY	PY	PY	CY	EY
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Testing charges for consumer's equipment	Details are being compiled and shall be submitted seperately				
2	Contest fee for billing meters					
3	Charges from arranging supply					
5	Service connection charges					
6	Charges for requisition forms/various book					
7	Recovery of cost of burnt meters/metering					
8	Shifting of connection from one premises t					
9	Supervision charges					
10	Compensation charges for theft of energy/					
11	Power block charges					
12	Fee for veriification of old dues/records					
13	Fee for special meter reading					
14	Charges for maintenance of street lights					
15	Fees payable for representing the case and making appeals before Grievance					
16	Other Miscellaneous and General Charges					
	<b>Grand Total</b>					

**Expenses and Income from Business other than Licensed business (to be filled if other business utilises the assets of Licensed business)**

**Form No: F11b**

All figures in Rs Crores

S.No.	Particulars <include description of business>	PY	PY	PY	CY	EY
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
		Not Applicable				
1	Expenses of other business					
2	Total income from other business					
3	Income allocated to Licensed business*					
4	Total profit / (loss) from other business					
5	Total profit / (loss) allocated to Licensed business*					

\* Must be supported with rationale and methodology of how allocation is done

	In Rs. crs.	PY	PY	PY	CY	EY
	Category	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
		Category wise details of security I sbeing compiled and shall be submitted seperately				
1	Domestic					
2	Non Domestic					
3	Public water works					
4	Public Lighting					
5	Industrial					
6	Agriculture					
7	Railway Traction					
8	DMRC					
9	Temporary Supply					
10	Others					
	<b>TOTAL</b>					

**Projection of Sales, Customers & Connected load for metered consumers**

**Form No: R1**

S.L.	Category	PY			CY			EY		
		FY 2022-23			FY 2023-24			FY 2024-25		
		Sales (MU)	No. of Consumers	Connected Load (KW)	Sales (MU)	No. of Consumers	Connected Load (KW)	Projection of Sales (MU)	Projection of no. of Consumers	Projection of Connected Load (KW)
1	Kutir Jyothi' Scheme Metered/ Unmetered									
2	Domestic Metered	232.32	1,70,024	70,116	250.16	1,76,503	73,258	269.36	1,83,229	76,541
3	Commercial Metered	45.42	18,490	23,137	47.69	19,415	24,532	50.07	20,385	26,011
4	Cottage & Small Industries Metered	10.83	4,254	10,990	11.22	4,467	11,540	11.63	4,690	12,116
5	Medium Industries Metered									
6	Large Industries Metered									
7	Public Lighting System	-	621	8,000	1.13	621	8,000	1.13	621	8,000
8	Irrigation and Agriculture (small)	0.04	8	10	0.04	8	10	0.04	8	10
9	Irrigation and Agriculture (large)									
10	Public Water works & Sewage pumping (small)	0.33	38	750	0.35	38	750	0.37	38	750
11	Public Water works & Sewage pumping (large)									
12	Bulk Power Supply	73.70	2,064	48,480	76.83	2,194	51,919	80.10	2,331	55,601
13	VEMB	57.35	1,10,831	34,386	59.94	1,16,373	36,105	62.64	1,22,191	37,911
14	UEMB	13.58	10,880	5,821	14.04	11,850	6,112	14.52	12,905	6,418
15	Railway Traction Service (RTS)									
16	<b>Total Metered Sales within State (Total 1 to 15)</b>	<b>433.57</b>	<b>3,17,210</b>	<b>2,01,690</b>	<b>461.41</b>	<b>3,31,467</b>	<b>2,12,225</b>	<b>489.87</b>	<b>3,46,399</b>	<b>2,23,358</b>
17	Sales Outside State									
18	Sales to Common Pool Consumers									
19	Sales to Electricity Traders	141.28			155.54			106.43		
20	Sales to Other Distribution Licensees									
21	<b>TOTAL (16+17+18+19+20)</b>	<b>574.85</b>	<b>3,17,210</b>	<b>2,01,690</b>	<b>616.94</b>	<b>3,31,467</b>	<b>2,12,225</b>	<b>596.30</b>	<b>3,46,399</b>	<b>2,23,358</b>



**Projection of Sales, Customers & Connected load for metered consumers (Post-paid)**

**Form No: R1**

S.L.	Category	PY			CY			EY		
		FY 2022-23			FY 2023-24			FY 2024-25		
		Sales (MU)	No. of Consumers	Connected Load (KW)	Sales (MU)	No. of Consumers	Connected Load (KW)	Projection of Sales (MU)	Projection of no. of Consumers	Projection of Connected Load (KW)
1	Kutir Jyothi' Scheme Metered/ Unmetered									
2	Domestic Metered Unmetered	210.81	1,53,298	63,033	217.88	1,59,777	66,175	237.09	1,66,503	69,458
3	Commercial Metered Unmetered	37.73	12,540	15,455	36.15	13,465	16,850	38.54	14,435	18,329
4	Cottage & Small Industries Metered Unmetered	10.16	3,722	9,616	10.22	3,935	10,166	10.63	4,158	10,742
5	Medium Industries Metered Unmetered									
6	Large Industries Metered									
7	Public Lighting System	-	621	8,000	1.13	621	8,000	1.13	621	8,000
8	Irrigation and Agriculture (small)	0.04	8	10	0.04	8	10	0.04	8	10
9	Irrigation and Agriculture (large)									
10	Public Water works & Sewage pumping (small)	0.33	38	750	0.35	38	750	0.37	38	750
11	Public Water works & Sewage pumping (large)									
12	Bulk Power Supply	73.69	2,062	48,440	76.82	2,192	51,879	80.08	2,329	55,561
13	VEMB	57.35	1,10,831	34,386	59.94	1,16,373	36,105	62.64	1,22,191	37,911
14	UEMB	13.58	10,880	5,821	14.04	11,850	6,112	14.52	12,905	6,418
15	Railway Traction Service (RTS)									
16	<b>Total Metered Sales within State (Total 1 to 15)</b>	<b>403.69</b>	<b>2,94,000</b>	<b>1,85,511</b>	<b>416.58</b>	<b>3,08,257</b>	<b>1,96,046</b>	<b>445.04</b>	<b>3,23,189</b>	<b>2,07,179</b>
17	Sales Outside State									
18	Sales to Common Pool Consumers									
19	Sales to Electricity Traders	141.28			155.54			106.43		
20	Sales to Other Distribution Licensees									
21	<b>TOTAL (16+17+18+19+20)</b>	<b>544.97</b>	<b>2,94,000</b>	<b>1,85,511</b>	<b>572.12</b>	<b>3,08,257</b>	<b>1,96,046</b>	<b>551.47</b>	<b>3,23,189</b>	<b>2,07,179</b>

**Projection of Sales, Customers & Connected load for metered consumers (Pre-paid)**

**Form No: R1**

S.L.	Category	PY			CY			EY		
		FY 2022-23			FY 2023-24			FY 2024-25		
		Sales (MU)	No. of Consumers	Connected Load (KW)	Sales (MU)	No. of Consumers	Connected Load (KW)	Projection of Sales (MU)	Projection of no. of Consumers	Projection of Connected Load (KW)
1	Domestic	21.52	16,726	7,083	32.27	16,726	7,083	32.27	16,726	7,083
2	Commercial	7.69	5,950	7,682	11.54	5,950	7,682	11.54	5,950	7,682
3	Industries	0.67	532	1,374	1.00	532	1,374	1.00	532	1,374
4	Bulk Power Supply	0.01	2	40	0.02	2	40	0.02	2	40
5	<b>TOTAL (1+2+3+4)</b>	<b>29.88</b>	<b>23,210</b>	<b>16,179</b>	<b>44.83</b>	<b>23,210</b>	<b>16,179</b>	<b>44.83</b>	<b>23,210</b>	<b>16,179</b>

Month	MU	MU	MU	MU	MU
	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
April	Monthly sales projection is being compiled and shall be submitted seperately				
May					
June					
July					
August					
September					
October					
November					
December					
January					
February					
March					

SL. No.	Particulars Category *	Previous Year (Actuals)			Current Year (Estimates)					Ensuring Year (Projected at Current Tariffs)				
		FY 2022-23			FY 2023-24					FY 2024-25				
		Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Revenue from Variable Charges (Rs. Crs.)	Total Revenue (Rs. Crs.)	Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Revenue from Variable Charges (Rs. Crs.)	Total Revenue (Rs. Crs.)
1	Kutir Jyothi' Scheme Metered/ Unmetered													
2	Domestic Metered Unmetered	1,70,024	70,116	232.32	1,76,503	73,258	250.16	150.08	150.08	1,83,229	76,541	269.36	161.75	161.75
3	Commercial Metered Unmetered	18,490	23,137	45.42	19,415	24,532	47.69	36.81	36.81	20,385	26,011	50.07	38.62	38.62
4	Cottage & Small Industries Metered Unmetered	4,254	10,990	10.83	4,467	11,540	11.22	7.68	7.68	4,690	12,116	11.63	7.96	7.96
5	Medium Industries Metered Unmetered													
6	Large Industries Metered													
7	Public Lighting System	621	8,000	-	621	8,000	1.13	2.32	2.32	621	8,000	1.13	2.43	2.43
8	Irrigation and Agriculture (small)	8	10	0.04	8	10	0.04	0.01	0.01	8	10	0.04	0.01	0.01
9	Irrigation and Agriculture (large)													
10	Public Water works & Sewage pumping (small)	38	750	0.33	38	750	0.35	0.26	0.26	38	750	0.37	0.27	0.27
11	Public Water works & Sewage pumping (large)													
12	Bulk Power Supply	2,064	48,480	73.70	2,194	51,919	76.83	53.01	53.01	2,331	55,601	80.10	55.27	55.27
13	VEMB	1,10,831	34,386	57.35	1,16,373	36,105	59.94	31.77	31.77	1,22,191	37,911	62.64	33.20	33.20
14	UEMB	10,880	5,821	13.58	11,850	6,112	14.04	7.72	7.72	12,905	6,418	14.52	7.99	7.99
15	Railway Traction Service (RTS)													
16	<b>Total Metered Sales within State (Total 1 to 15)</b>	<b>3,17,210</b>	<b>2,01,690</b>	<b>433.57</b>	<b>3,31,467</b>	<b>2,12,225</b>	<b>461.41</b>	<b>289.67</b>	<b>289.67</b>	<b>3,46,399</b>	<b>2,23,358</b>	<b>489.87</b>	<b>307.50</b>	<b>307.50</b>
17	Sales Outside State													
18	Sales to Common Pool Consumers													
19	Sales to Electricity Traders			141.28			155.54	125.63	125.63			106.43	93.62	93.62
20	Sales to Other Distribution Licensees													
21	<b>TOTAL (16+17+18+19+20)</b>	<b>3,17,210</b>	<b>2,01,690</b>	<b>574.85</b>	<b>3,31,467</b>	<b>2,12,225</b>	<b>616.94</b>	<b>415.30</b>	<b>415.30</b>	<b>3,46,399</b>	<b>2,23,358</b>	<b>596.30</b>	<b>401.12</b>	<b>401.12</b>

\*As per the respective tariff schedule of NERC

SL. No.	Particulars Category *	Previous Year (Actuals)			Current Year (Estimates)					Ensuring Year (Projected at Current Tariffs)				
		FY 2022-23			FY 2023-24					FY 2024-25				
		Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Revenue from Variable Charges (Rs. Crs.)	Total Revenue (Rs. Crs.)	Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Revenue from Variable Charges (Rs. Crs.)	Total Revenue (Rs. Crs.)
1	Kutir Jyothi' Scheme Metered/ Unmetered													
2	Domestic Metered Unmetered	1,53,298	63,033	210.81	1,59,777	66,175	217.88	132.49	132.49	1,66,503	69,458	237.09	144.16	144.16
3	Commercial Metered Unmetered	12,540	15,455	37.73	13,465	16,850	36.15	27.35	27.35	14,435	18,329	38.54	29.16	29.16
4	Cottage & Small Industries Metered Unmetered	3,722	9,616	10.16	3,935	10,166	10.22	7.04	7.04	4,158	10,742	10.63	7.32	7.32
5	Medium Industries Metered Unmetered	-	-	-	-	-	-			-	-	-		
6	Large Industries Metered	-	-	-	-	-	-			-	-	-		
7	Public Lighting System	621	8,000	-	621	8,000	1.13	2.32	2.32	621	8,000	1.13	2.43	2.43
8	Irrigation and Agriculture (small)	8	10	0.04	8	10	0.04	0.01	0.01	8	10	0.04	0.01	0.01
9	Irrigation and Agriculture (large)	-	-	-	-	-	-			-	-	-		
10	Public Water works & Sewage pumping (small)	38	750	0.33	38	750	0.35	0.26	0.26	38	750	0.37	0.27	0.27
11	Public Water works & Sewage pumping (large)	-	-	-	-	-	-			-	-	-		
12	Bulk Power Supply	2,062	48,440	73.69	2,192	51,879	76.82	53.00	53.00	2,329	55,561	80.08	55.26	55.26
13	VEMB	1,10,831	34,386	57.35	1,16,373	36,105	59.94	31.77	31.77	1,22,191	37,911	62.64	33.20	33.20
14	UEMB	10,880	5,821	13.58	11,850	6,112	14.04	7.72	7.72	12,905	6,418	14.52	7.99	7.99
15	Railway Traction Service (RTS)													
16	<b>Total Metered Sales within State (Total 1 to 15)</b>	<b>2,94,000</b>	<b>1,85,511</b>	<b>403.69</b>	<b>3,08,257</b>	<b>1,96,046</b>	<b>416.58</b>	<b>261.97</b>	<b>261.97</b>	<b>3,23,189</b>	<b>2,07,179</b>	<b>445.04</b>	<b>279.80</b>	<b>279.80</b>
17	Sales Outside State													
18	Sales to Common Pool Consumers													
19	Sales to Electricity Traders			141.28			155.54	125.63	125.63			106.43	93.62	93.62
20	Sales to Other Distribution Licensees													
21	<b>TOTAL (16+17+18+19+20)</b>	<b>2,94,000</b>	<b>1,85,511</b>	<b>544.97</b>	<b>3,08,257</b>	<b>1,96,046</b>	<b>572.12</b>	<b>387.60</b>	<b>387.60</b>	<b>3,23,189</b>	<b>2,07,179</b>	<b>551.47</b>	<b>373.42</b>	<b>373.42</b>

SL. No.	Particulars	Previous Year (Actuals)			Current Year (Estimates)					Ensuring Year (Projected at Current Tariffs)				
		FY 2022-23			FY 2023-24					FY 2024-25				
		Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Revenue from Variable Charges (Rs. Crs.)	Total Revenue (Rs. Crs.)	Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Revenue from Variable Charges (Rs. Crs.)	Total Revenue (Rs. Crs.)
1	Domestic	16,726	7,083	21.52	16,726	7,083	32.27	17.59	17.59	16,726	7,083	32.27	17.59	17.59
2	Commercial	5,950	7,682	7.69	5,950	7,682	11.54	9.46	9.46	5,950	7,682	11.54	9.46	9.46
3	Industries	532	1,374	0.67	532	1,374	1.00	0.64	0.64	532	1,374	1.00	0.64	0.64
4	Bulk Power Supply	2	40	0.01	2	40	0.02	0.01	0.01	2	40	0.02	0.01	0.01
5	<b>TOTAL (1+2+3+4)</b>	<b>23,210</b>	<b>16,179</b>	<b>29.88</b>	<b>23,210.00</b>	<b>16,179.00</b>	<b>44.83</b>	<b>27.70</b>	<b>27.70</b>	<b>23,210.00</b>	<b>16,179.00</b>	<b>44.83</b>	<b>27.70</b>	<b>27.70</b>

	Particulars	Ensuring Year (Projected at Proposed Tariffs)				
		FY 2024-25				
SL. No.	Category *	Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Revenue from Variable Charges (Rs. Crs.)	Total Revenue (Rs. Crs.)
1	Kutir Jyothi' Scheme Metered/ Unmetered					
2	Domestic Metered Unmetered	1,83,229	76,541	269.36	169.86	169.86
3	Commercial Metered Unmetered	20,385	26,011	50.07	40.45	40.45
4	Cottage & Small Industries Metered Unmetered	4,690	12,116	11.63	8.35	8.35
5	Medium Industries Metered Unmetered					
6	Large Industries Metered					
7	Public Lighting System	621	8,000	1.13	2.43	2.43
8	Irrigation and Agriculture (small)	8	10	0.04	0.02	0.02
9	Irrigation and Agriculture (large)					
10	Public Water works & Sewage pumping (small)	38	750	0.37	0.29	0.29
11	Public Water works & Sewage pumping (large)					
12	Bulk Power Supply	2,331	55,601	80.10	58.07	58.07
13	VEMB	1,22,191	37,911	62.64	35.08	35.08
14	UEMB	12,905	6,418	14.52	8.42	8.42
15	Railway Traction Service (RTS)					
16	<b>Total Metered Sales within State (Total 1 to 15)</b>	<b>3,46,399</b>	<b>2,23,358</b>	<b>489.87</b>	<b>322.96</b>	<b>322.96</b>
17	Sales Outside State					
18	Sales to Common Pool Consumers					
19	Sales to Electricity Traders			106.43	93.62	93.62
20	Sales to Other Distribution Licensees					
21	<b>TOTAL (16+17+18+19+20)</b>	<b>3,46,399</b>	<b>2,23,358</b>	<b>596.30</b>	<b>416.58</b>	<b>416.58</b>

SL. No	Particulars Category *	Ensuring Year (Projected at Proposed Tariffs)				
		FY 2024-25				
		Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Revenue from Variable Charges (Rs. Crs.)	Total Revenue (Rs. Crs.)
1	Kutir Jyothi' Scheme Metered/ Unmetered					
2	Domestic Metered Unmetered	1,66,503	69,458	237.09	151.30	151.30
3	Commercial Metered Unmetered	14,435	18,329	38.54	30.53	30.53
4	Cottage & Small Industries Metered Unmetered	4,158	10,742	10.63	7.67	7.67
5	Medium Industries Metered Unmetered					
6	Large Industries Metered					
7	Public Lighting System	621	8,000	1.13	2.43	2.43
8	Irrigation and Agriculture (small)	8	10	0.04	0.02	0.02
9	Irrigation and Agriculture (large)					
10	Public Water works & Sewage pumping (small)	38	750	0.37	0.29	0.29
11	Public Water works & Sewage pumping (large)					
12	Bulk Power Supply	2,329	55,561	80.08	58.06	58.06
13	VEMB	1,22,191	37,911	62.64	35.08	35.08
14	UEMB	12,905	6,418	14.52	8.42	8.42
15	Railway Traction Service (RTS)					
16	<b>Total Metered Sales within State (Total 1 to 15)</b>	<b>3,23,189</b>	<b>2,07,179</b>	<b>445.04</b>	<b>293.79</b>	<b>293.79</b>
17	Sales Outside State					
18	Sales to Common Pool Consumers					
19	Sales to Electricity Traders			106.43	93.62	93.62
20	Sales to Other Distribution Licensees					
21	<b>TOTAL (16+17+18+19+20)</b>	<b>3,23,189</b>	<b>2,07,179</b>	<b>551.47</b>	<b>387.41</b>	<b>387.41</b>

SL. No	Particulars Category *	Ensuring Year (Projected at Proposed Tariffs)				
		FY 2024-25				
		Consumers (Nos.)	Connected Load (KW)	Sales (MU)	Revenue from Variable Charges (Rs. Crs.)	Total Revenue (Rs. Crs.)
1	Domestic	16,726	7,083	32.27	18.56	18.56
2	Commercial	5,950	7,682	11.54	9.92	9.92
3	Industries	532	1,374	1.00	0.67	0.67
4	Bulk Power Supply	2	40	0.02	0.01	0.01
5	<b>TOTAL (1+2+3+4)</b>	<b>23,210</b>	<b>16,179</b>	<b>44.83</b>	<b>29.16</b>	<b>29.16</b>



Sl.No.	Discom or Open Access Consumer			
		Contracted Capacity (MW)	Monthly Wheeling Charges	Total Charges (Rs. Crs.)
1		No existing consumers		
2				
3				
4				
5				
	Total			

S.N o.	Type of installation	Previous Year		Current Year		Ensuring Year	
		FY 2022-23		FY 2023-24		FY 2024-25	
		Energy Charges (in paise)	Fixed Charges	Energy Charges (in paise)	Fixed Charges	Energy Charges (in paise)	Fixed Charges
				A	B	A	B
1	Domestic						
	30 units and below	510		535		560	
	31 to 100	560		580		610	
	101 to 250	620		650		680	
	above 250	700		710		745	
2	Comercial						
	60 units and below	735		740		775	
	61 to 240	850		860		900	
	above 240	890		900		940	
3	Industrial						
	500 units and below	620		650		680	
	501 to 5000	670		700		735	
	Above 5000	730		750		785	
4	Bulk	680		690		725	
5(a)	Single point metering (Rural )	515		530		560	
5(b)	Single point metering (Urban )	540		550		580	
6	Public Light	To be recovered from consumers *		To be recovered from consumers *		To be recovered from consumers *	
7	PWW	725		745		780	
8	Agriculture	320		335		350	
*	Charges for public lighting have to be recovered from the Consumers of Domestic, Commercial, Industrial and Bulk categories at the rates shown below:						
	Domestic	Rs. 10 per connection / month		Rs. 10 per connection / month		Rs. 10 per connection / month	
	Commercial	Rs. 15 per connection / month		Rs. 15 per connection / month		Rs. 15 per connection / month	
	Industrial	Rs. 20 per connection / month		Rs. 20 per connection / month		Rs. 20 per connection / month	
	Bulk Supply	Rs. 25 per connection / month		Rs. 25 per connection / month		Rs. 25 per connection / month	

S.N o.	Type of installation	Previous Year		Current Year		Ensuring Year	
		FY 2022-23		FY 2023-24		FY 2024-25	
		Energy Charges (in paise)	Fixed Charges	Energy Charges (in paise)	Fixed Charges	Energy Charges (in paise)	Fixed Charges
				A	B	A	B
1	CATEGORY 'A' DOMESTIC						
	All Units	530		545		575	
2	CATEGORY 'B' INDUSTRIAL						
	All Units	630		640		675	
3	CATEGORY 'C' BULK						
	All Units	660		670		700	
4	CATEGORY 'D' COMMERCIAL						
	All Units	790		820		860	
5	CATEGORY 'H' AGRICULTURE						
	All Units	310		315		330	