



TARIFF ORDER

TRUE-UP FOR FY 2024-25

PERFORMANCE REVIEW OF FY 2025-26

AND

DETERMINATION OF AGGREGATE REVENUE REQUIREMENT

&

RETAIL TARIFF FOR FY 2026-27

FOR

POWER & ELECTRICITY DEPARTMENT

GOVERNMENT OF MIZORAM

Petition (ARR & Tariff) No 1 of 2025

MIZORAM ELECTRICITY REGULATORY COMMISSION

AIZAWL - MIZORAM

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ABBREVIATIONS

Abbreviation	Description
A&G	Administrative and General
AAD	Advance Against Depreciation
APR	Annual Performance Review
ARR	Aggregate Revenue Requirement
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CWIP	Capital Work in Progress
DPS	Delayed Payment Surcharge
E.Act 2003	Electricity Act, 2003
FSA	Fuel Surcharge Adjustment
FY	Financial Year
GFA	Gross Fixed Assets
GOI	Government of India
HT	High Tension
IEGC	Indian Electricity Grid Code
IEX	Indian Energy Exchange
IR	Inter-Regional
ISGS	Inter State Generating Station
JERC	Joint Electricity Regulatory Commission for Manipur and Mizoram
kV	Kilovolt
kVA	Kilovolt-Ampere
kVAh	Kilovolt-Ampere hours
kW	kilowatt
kWh	kilowatt-hour
LT	Low Tension
MAT	Minimum Alternate Tax
MDI	Maximum Demand Indicators
MUs	Million Units
MYT	Multi Year Tariff
MZERC	Mizoram Electricity Regulatory Commission
NEEPCO	North Eastern Electric Power Corporation
NHPC	National Hydro Electric Power Corporation
NLDC	National Load Despatch Centre
NTI	Non-Tariff Income
NTPC	National Thermal Power Corporation
O&M	Operation and Maintenance
P&ED	Power & Electricity Department, Mizoram
PGCIL	Power Grid Corporation of India Ltd
PLF	Plant Load Factor
PLR	Prime Lending Rate
POSOCO	Power System Operation Corporation Limited

Abbreviation	Description
PPA	Power Purchase Agreement
PWW	Public Water Works
R&M	Repair and Maintenance
RAPDRP	Restructured Accelerated Power Development and Return Program
RDSS	Revamped Distribution Sector System
RE	Revised Estimate
R&M	Repairs & Maintenance
RoE	Return of Equity
RPO	Renewable Purchase Obligation
RTS	Roof Top Solar
SBAR	State Bank Advance Rate
SLDC	State Load Dispatch Centre
T&D	Transmission and Distribution
UI	Unscheduled Interchange
YOY	Year on Year

MIZORAM ELECTRICITY REGULATORY COMMISSION
E-18, TBL Bhawan, 2nd to 5th Floor, Peter Street,
Khatla, Aizawl, Mizoram – 796001

Petition (ARR & Tariff) No. 1 of 2025

In the matter of True up for FY 2024-25, Annual Performance Review for FY 2025-26 and Determination of Aggregate Revenue Requirement (ARR), Wheeling Tariff and Retail supply Tariff for FY 2026-27 for P&ED, Mizoram.

FOR

Power & Electricity Department, Government of Mizoram**Petitioner**
(here in after referred to as P&ED)

Present

Mr. Benjamin L. Tlumtea
CHAIRPERSON

ORDER

1. The Power and Electricity Department, Government of Mizoram (herein after referred to as P&ED (Mizoram or Petitioner) is a deemed licensee in terms of section-14 of the Electricity Act 2003 (hereinafter referred to as Act), engaged in the business of generation, transmission and distribution of electricity in the State of Mizoram.

Regulation-17 of the JERC (M&M) (MYT) Regulations, 2014 adopted by Mizoram Electricity Regulatory Commission specify that the distribution licensee shall file ARR and Tariff Petition with all relevant data along with requisite fee as specified in Commission's Fees, Fines and Charges Regulations on or before 30th November of the preceding year. As per the directive of the Commission, the P&ED Mizoram has filed the ARR and Tariff Petition for true up for FY 2024-25 and Annual Performance review for FY 2025-26 and determination of ARR, wheeling tariff and retail supply tariff for FY 2026-27 vide letter No.T.23012/04/2025-EC(P)/Com/15, Dt. **19th December 2025.**

2. **ARR and Tariff Petition for FY 2026-27** by P&ED, being an integrated utility and functioning as an undivided power entity, which is responsible for three (3) activities such as **Generation, Transmission, and Distribution of electricity** within the State of Mizoram and also discharging trading functions through its **State Load Despatch Centre (SLDC)**.

The P&ED has filed the Petition for determination of ARR, wheeling tariff and retail tariff for FY 2026-27 along with true-up petition for FY 2024-25 and Annual Review Petition for FY 2025-26. The P&ED had made revision to its petition on **5th March 2026** and had submitted for Rs.761.15Crs of net ARR and with a projected gap of Rs. 169.53Crores in ensuing year FY 2026-27 at the prevailing rates as per its ARR retail supply tariff filings, which is done in anticipation to be mitigated the same by Govt. subsidy U/s 65 of E.Act 2003 amount of Rs.175.00Crs assured by the Mizoram Government during FY2026-27. There was a proposal by P&ED for tariff with **Time of the Day (ToD)** based in FY 2026-27 for all category of consumers barring Agricultural consumers similar to last year proposal. While in the last year FY 2025-26, Govt. subsidy needed was determined at Rs.180.80 Crs based on their ARR submission in Tariff Order but the same was revised in their present APR (annual estimation review) submission to a lesser figure of Rs.139.19 Crs by P&ED based on their present expenditure projection made for FY2025-26. In addition, as per the revision made on 5th March 2026 by P&ED, the details of revised submission the ARR projected for FY 2026-27 is as follows and the revenue gap dropped from Rs.175Crs to Rs.169.53Crs:

(Rs in Crores)	
Details of ARR elements	FY 2026-27
Aggregate Revenue Requirement	761.15
Revenue from Retail Sales (from 553.14MU)	454.30
Revenue from Outside State Sales (from 297.75MU)	137.32
Gap of ARR Deficit	169.53

3. Admission of Petition and Public Hearing Process

The Commission observed that the ARR filed by the petitioner was incomplete and requires lacking crucial and vital information as was specified in Commission's (MYT) Regulations 2014.

Subsequently, the P&ED was asked to submit the required additional information vide Commission's letter **No.T.12017/1/2025-MZERC/188, Dt. 09.01.2026**. The ARR and Tariff Petition was admitted on **09.01.2026** and marked as Petition (ARR & Tariff) **No. 1 of 2025**. in order to avoid delay in processing of ARR submission and directed the P&ED to publish the summary of the ARR and Tariff proposal in an abridged form and manner as approved in accordance with section-64 of the Electricity Act 2003 to ensure public participation vide Commission's letter **No.T.12017/1/2025-MZERC/189, Dt: 09.01.2026**. The P & ED department submitted its replies to the additional information vide their letter Dt.17.01.2025 (for directive replies). and Letter **No. T-23037/02/22-EC(P)/Com/15, dt: 09.01.2026**

The notification of the proposed ARR and the proposed Tariff schedule for FY 2026-27 was published by the P&ED in the following newspapers.

Sl. No	Name of News paper	Language	Date of Paper publication
1	Newslink	English	14 th & 15 th January 2026
2	Vanglaini	Mizo	14 th & 16 th January 2026

Through the public notice, the stakeholders/general public were invited to file their objections and suggestions on the petition on or before 15-02-2026.

4. Notice for Public Hearing:

The Commission, to ensure transparency in the process of determination of ARR and Tariffs for 2026-27 and providing proper opportunity to all stakeholders and public in general and consumers for making suggestions/objections on the ARR and Tariff petition, has also decided to hold a public hearing at the headquarters of the state. Accordingly, a notification was published by the Commission in the following leading newspapers giving due intimation to all stakeholders, general public, interested parties, and consumers about the public hearing to be held at 10.30 AM onwards at Aijal Club, RB Mc'Cabe Hall, Aizawl on **20.03.2026**.

Sl. No.	Name of News-paper	Language	Date of paper Publication
1	Newslink	English	20 th & 23 rd February 2026
2	Vanglaini	Mizo	19 th & 20 th February 2026

5. **Public Hearing details:**

The transparency in public hearing was maintained by Commission in the meeting held on **20.03.2026** in Aijal Club, RB Mc'Cabe Hall, Khatla, Aizawl. The Commission received two objections/suggestions from **Pu Thanglura, President, Mizoram Consumers' Union**-and **Pu. Vanlalruata, Tuikual South**. The main issues raised by the objectors during the public hearing along with response of P&ED and Commission's comments there on are briefly reproduced in **Chapter - 4**.

6. **Meeting of State Advisory Committee (SAC)**

The proposal of the P&ED Mizoram was placed before the State Advisory Committee in its meeting held on **19-03-2026 in Aijal Club, RB McCabe Hall**, Aizawl and discussed the ARR for FY 2026-27, wheeling & retail Tariff proposal for FY 2026-27 relating to P&ED, Mizoram. There was no objection from any of the members participated in the SAC meeting held on **19.03.2026** with regard to the revision of the existing tariff by the Commission for the FY 2026-27. The minutes of the SAC meeting held and the list of participants are placed at **Annexure - I** at the end of this Tariff Order of the Commission.

7. The Commission has reviewed the directives issued to the P&ED (the petitioner) in all the earlier Tariff orders from FY 2010-11 onwards to **FY 2025-26** and noted that those directives felt complied with thoroughly were dropped, while continuing the pending ones. The directives which were partly complied with and the remaining directives are now consolidated and fresh directives now felt required are being issued afresh.
8. In exercise of the powers vested under section 62(1) read with section 62(3) and 64 (3a) of the Electricity Act 2003 and Regulation 5.2 of JERC (M&M) MYT Regulations, 2014 (Notified on 09.06.2014) adopted by Mizoram Electricity Regulatory Commission hereinafter referred to as "**Tariff Regulations 2014**", and other enabling provisions in this behalf, the Commission issues this order for truing up of the ARR and revenues for FY 2024-25 and Annual Performance Review for FY 2025-26 besides approving of the Tariff Order for 2025-26 with Wheeling charges and retail supply business tariff for FY 2026-27 towards power supply to retail consumers within the

State of Mizoram, duly taking into consideration of the facts presented by P&ED Mizoram in its petition and in their subsequent filings in the form of additional data, suggestions/objections made by stake holders, consumer organizations, general public in the public hearings and also the minutes of the State Advisory Committee and the response of the P&ED Mizoram to the suggestions/objections.

9. True-up for FY 2024-25

The P&ED had submitted its true-up petition for FY2024-25 together with approved audited annual accounts of FY2024-25 by their Statutory Auditor issued on dt: **04.09.2025**. The Commission, by Tariff Order dated 15.03.2024 had approved the Net ARR for FY 2024-25 to be Rs. 730.20Crs (before adjusting the OSS revenue of Rs.95.56Crs) and it was revised by the Commission in APR order to Rs.684.81Crs (before adjusting the OSS sales revenue of Rs.105.04Crs) in Tariff Order issued on Dt 24.03.2025. With the actual figures now furnished by the P&ED based on the approved audited annual accounts for FY2024-25, the true-up calculation resulted in net ARR of **Rs. 768.05Crs** as against APR figure of Rs. 684.81Crs and the revenue surplus arrived at was **Rs. 110.86Crs by P&ED** after considering all the total revenue received and the consolidated Govt. tariff subsidy amount of Rs. **355.56Crs** from Mizoram Government. Initially, in the Tariff Order for FY2024-25 the revenue gap was considered at Rs.197.23Crs while the actual amount of subsidy so received from state Government in FY 2024-25 is Rs.355.56Crs as per their audited accounts statement had enhanced the revenue surplus to Rs.110.85Crs which can be seen from P&ED true-up submission. This includes the additional revenue subsidy amount released during FY 2024-25 and duly certified by the Statutory Auditors of P&ED. Thereby, the revenue gap of the licensee (i.e., P&ED) so derived by Commission for true-up purpose resulted into revenue surplus of **Rs.116.81Crs** considering the net ARR of **Rs.670.21Crs** which amount will be subjected to claw-back adjustment as per the provisions of the Tariff Regulations 2014. As per Regulations 12.1(i) of the Tariff Regulations 2014 (as adopted by MZERC on its formation as new entity) one-third ($\frac{1}{3}^{\text{rd}}$) share of surplus amount of **Rs.38.94Crs** is now being passed on as rebate to the consumers in the ARR for FY 2026-27 and the **remaining ($\frac{2}{3}^{\text{rd}}$) excess amount of**

Rs.77.87Crs will be allowed to be retained by the Licensee at its free disposal for any useful expenditure needs.

10. Annual Performance Review for FY 2025-26

The P&ED have submitted annual performance review (APR) petition for FY 2025-26 afresh based on its revised estimates now. The Commission too had reviewed the earlier MYT order approval of Rs.713.35Cr and net ARR of Rs.686.66 Crs as per the Tariff Order dated 24.03.2025 with due reference to the present P&ED revised APR net ARR amount to Rs.719.64 Crs before adjusting for any realised revenue at existing tariff, Outside state sales (OSS) revenue of Rs.140.19Cr and the assured State Government tariff subsidy of Rs.180.80Cr expected from Government during 2025-26 financial year. Accordingly, the Commission with the submitted available information had revised the net ARR to be **Rs.573.52Cr**s and estimated its revenue from all sources to be **Rs.580.45Cr**s (which includes **Rs.140.19Cr**s of revenue from **Outside State Sales**) thus leaving a net revenue deficit of **Rs.133.26Cr**s. After considering the assured Govt. subsidy amount of **Rs.180.80Cr**s the net deficit results into a revenue surplus of **Rs.47.54Cr**s. Thus, the Commission is not giving any opinion on the financial gap status as of now and it is too early to predict or make a decision on the net gap status at this juncture.

11. Aggregate Revenue Requirement & Retail Tariff for FY 2026-27

The P&ED had initially submitted ARR petition for FY 2026-27 for a gross ARR amount of **Rs.761.15Cr**s and with net revenue gap of **Rs.175.00 Cr**s after adjusting for projected revenue realisation of **Rs.454.30Cr**s from retail consumers and Outside State sales revenue of **Rs.131.86Cr**s. Equating the above revenue deficit/Gap to come in the form of Government subsidy amount and announced by Govt of Mizoram by communication vide letter no. **B-19018/9/2024-P&E, Dt:19th December 2025** to P&ED. Subsequently, the P&ED on 5th March 2026 had revised the revenue gap to **Rs.169.53Cr**s upon adopting the OSS (outside State Sales) revenue of Rs.137.32Cr instead of Rs.131.86Cr initially submitted. The Commission after detailed examination and scrutiny had arrived at a ARR of Rs.706.37Cr and a revenue gap of **Rs.151.51Cr**s (**Rupees One hundred and fifty one point five one**

crores-only) by adopting existing tariff based revenue to all categories of consumers (with no hike in both Non-ToD and ToD tariffs). If the Govt. subsidy amount so derived matches with the Commission derived gap, then the P&ED net Costs (i.e., net ARR) would get fully break-even. The Govt of Mizoram had announced a conditional Tariff subsidy amount for FY 2026-27 to be derived based on adopting **22.99%** on the Gross ARR to be finalised subject to a subsidy upper limit ceiling of **Rs.175.00Crs** as per their **letter No.B 19018/9/2024-P&E, Dt.19.12.2025** is placed at **Annexure-VIII** for kind reference. The above gap figure so derived by the Commission is lower than **Rs.175.00Crs** upon adopting the **21.45%** on the **gross ARR of Rs.706.37Crs** (before Outside State sales revenue amount of **Rs.131.82Crs**) and it is well within the stipulated limits set by Government of Mizoram for subsidy derivation and thus Commission recommends the tariff subsidy required **at Rs.151.51Crs** finally.

12. This Order contains thirteen (13) chapters as detailed below:
 1. Chapter 1: Introduction.
 2. Chapter 2: Summary of ARR, wheeling charges and Tariff petition for FY 2026-27.
 3. Chapter 3: Power Sector in Mizoram - An over view.
 4. Chapter 4: Public hearing process.
 5. Chapter 5: True-up of ARR for FY 2024-25.
 6. Chapter 6: Annual performance Review of ARR for FY 2025-26.
 7. Chapter 7: Analysis of ARR for FY 2026-27 and approvals of the Commission.
 8. Chapter 8: Tariff principles and design and determination of tariffs for FY 2026-27.
 9. Chapter 9: Wheeling charges for FY 2026-27.
 10. Chapter 10: Fuel and Power purchase cost Adjustment.
 11. Chapter 11: Voltage wise cost of supply tariff for FY 2026-27
 12. Chapter 12: ARR of Transmission Function and Transmission charges for FY 2026-27.
 13. Chapter 13: ARR of Generation Function for FY 2026-27.
 14. Chapter 14: Directives issued.
13. The P&ED should ensure implementation of the Order from the effective date after issuance of a public notice, in such a font size which is clearly & conspicuously visible in two daily newspapers having wider circulation within the state within a week and

submit in writing the compliance report of doing so to the Hon'ble Commission before the effective date itself.

14. This Order shall be effective from **1st April, 2026** and shall remain in force until the issuance of new Tariff Order by this Commission for ensuing year.



(BENJAMIN L. TLUMTEA)
CHAIRPERSON

Place: Aizawl

Date: 25/03/2026

1. Introduction

1.1. Mizoram Electricity Regulatory Commission

In exercise of the powers conferred as per Electricity Act 2003, (hereinafter referred to as Act) the Government of Mizoram has constituted Electricity Regulatory Commission for the State of Mizoram to be known as “**Mizoram Electricity Regulatory Commission**” vide **GOM Notification No.A.11019/1/2023-P&E Dt.19.07.2024**, (hereinafter referred to as **Commission**). The Commission constituted with one-member body designated to function as an autonomous authority responsible for regulation of the power sector in the State of Mizoram. The powers and functions of the Commission are as prescribed in the Act. The head office of the Commission is presently located at Aizawl, the capital town of Mizoram. The Commission became functional w.e.f. **23rd July, 2024**.

In accordance with the provisions of the Act, the Commission discharges the following functions:

- a). Determine the tariffs for generation, transmission, distribution of power supply whole sale/ bulk or retail and wheeling of electricity, as the case may be, within the State provided that where open access has been permitted to a category of consumers under Section-42, the State Commission shall determine the wheeling charges and surcharge thereon, if any, for the said category of consumers;
- b).Regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State;
- c). Facilitate intra-State transmission and wheeling of electricity;
- d).Issue licenses to persons seeking to act as transmission licensees, distribution licensees and electricity traders with respect to their operations within the State;
- e).Promote co-generation and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale

- of electricity to any person, and also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution licensee;
- f). Adjudicate upon the disputes between the licensees and generating companies; and to refer any dispute for arbitration;
 - g). Levy fee for the purposes of this Act;
 - h). Specify State Grid Code consistent with the Grid Standards specified under Clause (h) of sub-section (1) of Section 79 of the Act;
 - i). Specify or enforce standards with respect to quality, continuity and reliability of service by licensees;
 - j). Fix the trading margin in the intra-State trading of electricity, if considered, necessary;
 - k). Discharge such other functions as may be assigned to it under the Act.

1.1.1. Further, the Commission shall also advise the State Government on all or any of the following matters namely:

- a). Promotion of competition, efficiency and economy in activities of the electricity industry;
- b). Promotion of investment in electricity industry;
- c). Reorganization and restructuring of electricity industry in the State;
- d). Matters concerning generation, transmission, distribution and trading of electricity or any other matter referred to the State Commission by the State Government.

1.1.2. The State Commission shall ensure transparency while exercising its powers and discharging its functions.

1.1.3. In discharge of its functions, the State Commission is guided by the National Tariff Policy (NTP) has brought out by GOI (Government of India) in compliance to Section-3 of the E.Act 2003. The objectives of the NTP are to:

- a). Ensure availability of electricity to consumers at reasonable and competitive rates;
- b). Ensure financial viability of the sector and attract investments;

- c). Promote transparency, consistency and predictability in regulatory approaches across jurisdictions and minimize perceptions of regulatory risks;
- d). Promote competition, efficiency in operations and improvement in quality of supply.

1.2. Power & Electricity Department (P & ED) and Tariff Petition

P&ED, being an integrated utility, is responsible for generation, Transmission and Distribution of electricity in the State of Mizoram and it also discharges trading functions through its SLDC. As per the Tariff regulations, the utility is required to submit the ARR and the Petition in the month of November for fixing the Tariff for the next financial year.

The objectives of the P&ED are:

- 1. Focuses on demand and distribution network growth.
- 2. Lays emphasis on metering to help reduce distribution losses (100% metering)
- 3. Focuses on metering to raise correct demand.
- 4. Focuses on collection of revenue to reduce commercial losses and improve cash flow.
- 5. Concentrated efforts into computerization of billing for efficient billing and in turn better and faster recovery.
- 6. Focuses on to arrest power theft and correct metering and energy audit to improve efficiency.

2. Summary of ARR & Tariff Petition for FY 2026-27

2.1. Aggregate Revenue Requirement (ARR)

The P&ED Mizoram, in its initial petition has projected the Aggregate Revenue Requirement (ARR) and Tariffs for FY 2026-27 and expected revenue with the existing tariffs and the following resultant gap. The ARR and revenue gap are shown in Table below.

Table 2.1: Aggregate Revenue Requirement projected by P & ED for FY 2026-27

Sl. No.	Particulars	Amount (Crs)
1	Cost of Generation	13.09
2	Cost of Power Purchase	507.73
3	Cost of Fuel	0.00
4	Transmission charges (CTU)	53.62
5	Intra- state Transmission Charges (STU)	45.89
6	Operation & Maintenance Expenses	150.44
7	Interest on Loan	0.00
8	Depreciation	0.19
9	Interest on Working Capital	0.00
10	Return on Equity	0.00
11	Prior period expenses	0.00
12	Provision for Bad Debt	0.00
13	Contribution to Contingency Reserve Fund	0.00
14	Total Revenue Requirement	770.95
15	Less: Non-Tariff Income	9.80
16	Less: Efficiency Gains & 1/3 rd surplus	0.00
17	Less: Revenue from units sold in Power-Exchanges	137.32
18	Net Revenue Requirement (14-15-16-17)	623.83
19	Revenue from Retail sales within Mizoram	454.30
20	Projected Deficit/gap for Government Subsidy	169.53

(Source: Table 2.23 & 2.24 of Petition)

The above revenue gap was revised to Rs.169.53Crs by P&ED on 5th March 2026 duly adopting the revised Outside State Sales revenue amount of Rs.137.32Crs instead of Rs.131.86Crs so submitted initially at the time of petition submission.

2.2. Tariff

The P&ED, Mizoram in its petition has submitted the existing and proposed tariffs for the FY 2026-27 as detailed in the table below.

Table 2.2: Existing Vs. Proposed Tariff for FY 2026-27

Sl. No.	Consumer Category	Existing Tariff		Proposed Tariff	
		Energy Charge (Rs. /Month)	Fixed Charge (In Rs.)	Energy Charge (Rs. /Month)	Fixed Charge (In Rs.)
1	Kutir Jyothi				
i)	First 20 kWh	2.55/kWh	25/Connct	2.55/kWh	25/Connct
ii)	All above 20 kWh	3.55/kWh	25/Connct	3.55/kWh	25/Connct
2	Domestic				
	A.Low Tension				
i)	First 100 kWh	4.90/kWh	50/CL/ kW	4.90/kWh	50/CL/ kW
ii)	Next 100 kWh	7.10/kWh	50/CL/ kW	7.10/kWh	50/CL/ kW
iii)	All above 200 kWh	8.20/kWh	50/CL/ kW	8.20/kWh	50/CL/ kW
	B.High Tension	8.65/kVAh	50/BD/ kVA	8.65/kVAh	50/BD/ kVA
3	Non-Profit Public purpose (New) / Non-Domestic (previously)				
	A.Low Tension				
i)	First 150 kWh	7.60/kWh	60/CL/ kW	7.60/kWh	60/CL/ kW
ii)	All above 150 kWh	8.30/kWh	60/CL/ kW	8.30/kWh	60/CL/ kW
	B. High Tension	8.75/kVAh	60/BD/ kVA	8.75/kVAh	60/BD/ kVA
4	Commercial				
	A.Low Tension				
i)	First 150 kWh	8.20/kWh	80/CL/ kW	8.20/kWh	80/CL/ kW
ii)	All above 150 kWh	8.45/kWh	80/CL/ kW	8.45/kWh	80/CL/ kW
	B. High Tension	8.90/kVAh	80/BD/ kVA	8.90/kVAh	80/BD/ kVA
5	Public Lighting	11.35/kWh	80/CL/ kW	11.35/kWh	80/CL/ kW
6	Irrigation & Agriculture				
	A. Low Tension	3.80/kWh	50/CL/ kW	3.80/kWh	50/CL/ kW
	B. High Tension	3.85/kVAh	50/BD/ kVA	3.85/kVAh	50/BD/ kVA
7	Public Water Works				
	A. Low Tension	11.10/kWh	90/CL/ kW	11.10/kWh	90/CL/ kW
	B. High Tension	9.85/kVAh	90/BD/ kVA	9.85/kVAh	90/BD/ kVA
8	Industrial				
A	A. Low Tension				
i)	First 400 kWh	7.10/kWh	80/CL/ kW	7.10/kWh	80/CL/ kW
ii)	All above 400 kWh	8.05/kWh	80/CL/ kW	8.05/kWh	80/CL/ kW
	B. High Tension				
	Option-1 (Existing)	9.05/kVAh	80/BD/ kVA	9.05/kVAh	80/BD/ kVA
9	Bulk Supply	6.85/kVAh	90/BD/ kVA	6.85/kVAh	90/BD/ kVA
10.	Electric Vehicle Charging Station				
	A. LT category	8.20/kWh	75/CL/KW	8.20/kWh	75/CL/KW
	B. HT Category	8.65/kVAh	75/BD/kVA	8.65/kVAh	75/BD/kVA

Note: (CL=Contracted Load), (BD=Billing Demand), (Connct = Connection)

Alternatively, the P&ED had also proposed TOD Based Tariffs which are tabled below for all categories except for Irrigation & Agriculture Consumers.

Option-2- For Consumers Opting of ToD based Tariff Billing in FY2026-27

Sl. No.	Category Consumers (P&ED)	Existing Tariff (25-26)		Proposed Tariff (26-27)	
		Energy Charge (kWh/ kVAh)	Fixed Charge (kW/kVA)	Energy Charge (kWh/ kVAh)	Fixed Charge (kW/kVA)
(1)	(2)	(3)	(4)	(5)	(6)
1	KJ(Domestic)				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	2.45	Rs.25/ Connection	2.45	Rs.25/ Connection
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	3.10		3.10	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	1.95		1.95	

Sl. No.	Category Consumers (P&ED)	Existing Tariff (25-26)		Proposed Tariff (26-27)	
		Energy Charge (kWh/ kVAh)	Fixed Charge (kW/kVA)	Energy Charge (kWh/ kVAh)	Fixed Charge (kW/kVA)
2	Domestic-LT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	5.00	Rs.50/ Contracted Load (kW)	5.00	Rs.50/ Contracted Load (kW)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	6.35		6.35	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	3.85		3.85	
3	Domestic-HT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	7.80	Rs.50/Billing Demand (kVA)	7.80	Rs.50/Billing Demand (kVA)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	10.00		10.00	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	6.10		6.10	
4	Non-Profit Public Purpose-LT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	6.95	Rs.60 per Contracted Load (kW)	6.95	Rs.60 per Contracted Load (kW)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	8.90		8.90	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	5.40		5.40	
5	Non-Profit Public Purpose-HT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	8.45	Rs.60/ Billing Demand (kVA)	8.45	Rs.60/ Billing Demand (kVA)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	10.80		10.80	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	6.60		6.60	
6	Commercial-LT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	7.10	Rs.80/Contracted Load (kW)	7.10	Rs.80/Contracted Load (kW)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	9.10		9.10	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	5.55		5.55	
7	Commercial-HT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	8.60	Rs.80/Billing Demand (kVA)	8.60	Rs.80/Billing Demand (kVA)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	11.00		11.00	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	6.70		6.70	
8	Public Lighting				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	8.80	Rs.80/Contracted Load (kW)	8.80	Rs.80/Contracted Load (kW)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	11.25		11.25	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	6.85		6.85	
9	PWS LT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	8.60	Rs.90/Contracted Load (kW)	8.60	Rs.90/Contracted Load (kW)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	11.00		11.00	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	6.70		6.70	
10	PWS HT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	8.80	Rs.90/ Billing Demand (kVA)	8.80	Rs.90/ Billing Demand (kVA)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	11.25		11.25	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	6.85		6.85	
11	Irrgn & Agri - LT	3.80	Rs.50/ contracted Load (kW)	3.80	Rs.50/contracted Load (kW)
12	Irrgn & Agri - HT	3.85	Rs.50 Billing demand (kVA)	3.85	Rs.50 Billing demand (kVA)
13	Industrial-LT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	7.00	Rs.80/Contracted Load (kW)	7.00	Rs.80/Contracted Load (kW)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	8.95		8.95	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	5.45		5.45	
14	Industrial-HT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	9.05	Rs.80/Billing Demand (kVA)	9.05	Rs.80/Billing Demand (kVA)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	11.40		11.40	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	7.05		7.05	
15	Bulk Supply HT				
i)	From 06:00 Hrs.to 17:00 Hrs. (Normal TOD)	7.70	Rs.90/ Billing Demand (kVA)	7.70	Rs.90/ Billing Demand (kVA)
ii)	From 17:00 Hrs.to 22:00 Hrs. (Peak TOD)	9.70		9.70	
iii)	From 22:00 Hrs.to 6:00 Hrs. (Off-Peak TOD)	6.20		6.20	
16	Electric Vehicle (EV) charging station (LT)				
i)	From 09:00 Hrs.to 16:00 Hrs. (Solar Hour)	5.74	Rs.75/Contracted Load (kW)	5.74	Rs.75/Contracted Load (kW)
ii)	From 16:00 Hrs.to 09:00 Hrs. (Non-Solar Hour)	10.66		10.66	
17	Electric Vehicle (EV) charging station (HT)				
i)	From 09:00 Hrs.to 16:00 Hrs. (Solar Hour)	6.05	Rs.75/Billing Demand (kVA)	6.05	Rs.75/Billing Demand (kVA)
ii)	From 16:00 Hrs.to 09:00 Hrs. (Non-Solar Hour)	11.25		11.25	

2.3. Prayer

- Approve the True-up for the FY 2024-25, APR for the FY 2025-26, Voltage-wise Cost of Supply & Tariff for the FY 2026-27 in respect of Distribution function, Transmission function & Generation function for P&ED Mizoram, formulated in accordance with the guidelines outlined in the regulations of Mizoram Electricity Regulatory Commission and the principles contained therein.
- Approve the terms and conditions of Tariff Schedule and various other matters as and the proposed changes therein;
- To condone any inadvertent delay/ omissions/ errors/ rounding off differences/ shortcomings and P&ED Mizoram may please be permitted to add/change/modify/alter the petition;
- Permit P&ED, Mizoram to file additional data / information as may be necessary.
- Pass such further and other orders as the Hon'ble Commission may deem fit and proper keeping in view the facts and circumstances of the case.

3. Power Sector in Mizoram - An Overview

3.1. Geographical Reality

The P&ED, Mizoram is responsible for supply and distribution of electricity in the State of Mizoram which has a total area of 21081 Sq KM **with eleven (11)** districts, viz. Aizawl, Mamit, Kolasib, Champhai, Serchhip, Lunglei, Lawngtlai, Khawzawl, Hnahthial, Saitual and Siahla. The State shares more than 700 Kms of international boundary with Bangladesh and Myanmar. The total population of Mizoram State is 10.97 Lakhs as per 2011 census. The per capita consumption is about **585 kWh during FY 2024-25**. The P&ED projects to serve about **3,25,748** consumers of various consumer categories during FY2026-27.

3.2. Power supply

3.2.1. Own Generation

P&ED has its own generating plants. The total installed capacity of the State-owned generating stations and the projected energy generation during FY2026-27 as furnished by P&ED is as in the Table below:

Table 3.1: Own Generating Stations output proposed during FY2026-27

Sl. No.	Station	Installed Capacity	Date of COD	Generation	Auxl. Cons	Net Energy
I	Small Hydel	(MWs)	Date	(MU)	(MU)	(MU)
1	Serlui-A	1.00	24.04.84	0.000	0.00	0.000
2	Tuirivang --	0.30	14.08.89	0.000	0.000	0.000
3	Tuipanglui	3.00	17.12.04	0.000	0.000	0.000
4	Lamsial	0.50	26.08.08	0.000	0.000	0.000
5	Khawiva	1.05	08.12.88	1.379	0.018	1.361
6	Tuipui	0.50	15.12.91	0.052	0.001	0.051
7	Teirei	3.00	12.10.99	0.265	0.015	0.250
8	Kau-Tlabung	3.00	05.05.05	7.289	0.002	7.287
9	Maicham-I	2.00	5.01.96	2.659	0.003	2.656
10	Maicham-II	3.00	11.11.09	0.622	0.001	0.621
11	Tlawva	5.00	13.05.2022	0.621	0.014	0.607
12	Kawlberm	4.00	15.12.2022	1.394	0.021	1.373
	Sub-Total	26.35		14.281	0.075	14.206
12	Serlui 'B'	12.00	In-Firm power	19.91	0.53	19.38
	Grand Total	38.35		34.191	0.605	33.586

Small Mini Hydel Stations of P&ED maintained by two outside Agencies

Sl. No.	Mini Hydel Stns	Installed Capacity	Actuals FY20-21	Actuals FY21-22	Actuals FY22-23	Actuals FY23-24	Actuals FY24-25
I	Amazon Engineering	(MWs)	(MU)	(MU)	(MU)	(MU)	(Mus)
1	Khawiva SHP	1.05	1.38	1.21	1.30	1.30	1.12
2	Tuipui	0.50	1.04	0.46	0.00	0.03	0.40
3	Kau-Tlabung	3.00	8.10	6.76	6.55	5.27	7.00
II	Assam Petroleum Ltd						
1	Teirei	3.00	4.93	4.05	4.90	2.41	1.51
	Grand Total	7.55	15.45	12.48	12.75	9.01	10.03

P&ED has replied that in addition to the above 38.35MWs., they also possess one more generation plant namely **Lengpui diesel set of 0.50MWs located at Airport on standby mode.** The rest of the plants are Mini Hydel plants having seasonal generation. Of late, P&ED have handed over three (3) plants to M/s. Amazon Engineering company to manage the plants listed above separately to the extent of 4.55MWs consisting of Khawiva (1.05MW), Tuipui (0.50MW) and Kau-Tlabung (3MW) SHP plants and one (1) plant namely Teirei (3MW) is being managed by M/s.Assam Petroleum as per its Generation ARR petition now submitted for FY2026-27. ***Upon ascertaining through additional information replies, it is noted that Serlui-A (1MW), Tuirivang (0.30MW), Tuipanglui (3MW) and Lamsial (0.50MW) totalling to 4.80 MW SHPs are not in operation mode and not generating any energy.*** Therefore, remaining plants effectively generating some power generations are maintained & operated by P&ED is only 26.35 MWs capacity excluding Serlui-B and Diesel Set at Lengpui Airport on standby mode of operation. The Serlui-B (12 MW capacity plant) is yet to achieve COD (Commercial Operation date) for various reasons relating to clearances issues. In FY 2024-25 P&ED had adopted PLF of 22.58%, in FY2025-26 at 17.4086% and in FY 2026-27 it has shot-up to 18.94% PLF for Serlui-B. The overall PLF adopted for all the units in operation (38.35MWs) by P&ED including Outside agencies-maintained plants is 11.176% and auxiliaries adopted is at 1.77%, while the approved value is at 1% as per Regulation. **Thus, P&ED is dependent more on Central Generating stations power only.**

3.2.2. Power Purchase

The State mostly dependent upon outside state energy sources for meeting all its energy requirement. The State has got allocated share from Central Sector Generating Stations and total firm share from the Central Sector Generating Stations namely NEEPCO, NHPC and NTPC is 180.69MW. Besides, the P&ED is also procuring TSECL power to a tune of 10.50 MW from NEC funded Baramura Gas based thermal power plant and OTPC power of 42MW from Palatana Gas based power plant in Tripura state. Of the total allocation capacity of 274.39MWs, the share from the generating stations outside the State is 233.19 MW, the State-owned generation from Mini Hydel and Diesel Set of 38.85MWs and State Solar generation of 2.35MWs so furnished by the P&ED is tabulated in the Table below:

Table 3.2: Available MW capacity share from All Generating Station sources

Sl. No.	Source	Plant Capacity (MW)	Licensee's Share in %	Share in MW
A	Central Generating Stations			
I	NTPC			
1	Bongaigaon TPS	750.00	5.415	40.613
2	Farakka STPS	1600.00	0.142	2.272
3	Kahalgaoon STPS	840.00	0.142	1.193
4	Talcher STPS	1000.00	0.142	1.420
	NTPC-Total	4190.00		45.49
II	NHPC			
1	Loktak HEP	105.00	5.025	5.28
	NHPC-Total	105.00		5.28
III	NEEPCO			
1	Kopili HEP	200.00	4.610	9.22
2	Kopili - II HEP	25.00	6.038	1.51
3	Khandong HEP	50.00	3.935	1.97
4	Ranganadi HEP	405.00	5.704	23.10
5	Doyang HEP	75.00	5.247	3.94
6	Pare HEP	110.00	5.766	6.34
7	Tuirial HEP	60.00	100.00	60.00
8	AGBPP	291.00	5.4090	15.74
9	AGTPP	135.00	6.005	8.11
	NEEPCO-Total	1351.00		129.92
IV	TSECL			
1	B'mura - IV	21.00	25.000	5.25
2	B'mura - V	21.00	25.000	5.25
	TSECL-Total	42.00		10.50
V	OTPC			
1	Palatana	726.00	5.785	42.00
	OTPC-Total	726.00		42.00
VI	Other Stations/IPPs			
1	Power exchange through IEX			

Sl. No.	Source	Plant Capacity (MW)	Licensee's Share in %	Share in MW
	Others-Total	0.00	0.00	0.00
B	State generating Stations			
1	All Units	38.85	100%	38.85
	a) Plants (in Operation)	26.00	P&ED	26.00
	b) Plants (No generation)	4.80	P&ED	4.80
	c) Diesel set (Lengpui Airport)	0.50	P&ED	0.50
	d) Amazon & Assam (4MHPs)	7.55	Leased out	7.55
C	State Solar Generation	2.35	100%	2.35
D	Grand Plant Total	6455.20		274.39

(Source: Format – F1 of ARR Petition)

The energy drawn from various Central Generating Stations and from Tripura state is given in Table below:

Table 3.3: Energy from all CGS and Own HEPS (actual power drawn in FY2024-25)

Sl. No	Energy Procurement Source	Actual Drawn (MU)
A	Central Generating Stations	
I	NTPC	
1	Bongaigaon TPS	183.45
2	Farakka STPS	15.76
3	Kahalgao STPS	8.37
4	Talcher STPS	9.77
	NTPC-Total	217.35
II	NHPC	
1	Loktak HEP	34.57
	NHPC-Total	34.57
III	NEEPCO	
1	Kopili HEP	26.59
2	Kopili - II HEP	9.98
3	Khandong HEP	0.00
4	Ranganadi HEP	59.50
5	Doyang HEP	10.79
6	Pare HEP	21.55
7	Tuiri HEP	203.98
	Free Power from Tuiri	27.82
8	AGBPP (Gas)	51.04
9	AGTPP (Gas)	18.03
	NEEPCO-Total	429.27
IV	TSECL – Tripura State Electricity Corp Ltd.	
1	Baramura – IV (Gas)	0.39
2	Bar'mura – V (Gas)	
	TSECL-Total	0.39
V	OTPC – ONGC Tripura Power Corporation	
1	Palatana (Gas)	187.64
	OTPC-Total	187.64
VI	Other Stations/IPPs	

Sl. No	Energy Procurement Source	Actual Drawn (MU)
1	Rooftop Solar generation	38.63
2	Solar Generation (State)	1.73
3	Other if any...	0.00
	Others-Total	40.36
B	State Own generating Stations	
1	From all Generating Plants & Leased Out	31.623
	State Generating Stations-Total	31.623
C	Power Exchange (IEX) purchases	0.09
D	UI / (Over Drawl)	0.00
	GRAND TOTAL Energy (MU)	941.06

Lengpui diesel set is not considered in the above table. (Source: Format F1 of Petition, page-9)

3.3. Transmission and Distribution

For drawing power from CGS and other outside state sources, there are 3 (three) Nos. of 132kV transmission lines and 1 (one) 400kV D/C line (charged at 132kV) owned by PGCIL connecting Mizoram as given below.

- i). 132kV S/C Tipaimukh (Manipur) – Aizawl
- ii). 132kV S/C Badarpur (Assam) – Aizawl
- iii). 132kV S/C Kumarghat (Tripura) – Aizawl
- iv). 400kV D/C Silchar- Aizawl (Melriat)

All these lines terminate at 132KV Luangmual SS, Aizawl and Melriat (PG) under PGCIL, from where power is drawn to different load centres through 132 kV lines of P&ED.

Being a hilly State with its population unevenly dispersed in the remote areas, the State of Mizoram is having large network of HT and LT lines as well as distribution sub-station/transformers.

The details of transmission and distribution network, owned & operated by P&ED and furnished as on 31.03.2025 are given in Table below:

Table 3.4: Network details as on 31.03.2025

Sl. No.	Particulars	FY 2024-25			
		At year beginning	Additions made	With-drawn	End of year
1	Length of lines (ckt-km)				
	132 kV	1000	35		1035
	66 kV	128	0	0	128
	33 kV	1389	186	0	1574
	11 kV	5555	68	0	5624
	LT	3882	76	0	3958
	Total	11955	365	0	12319
2	Number of 33/11 kV substations	64	4	0	68

Sl. No.	Particulars	FY 2024-25			
		At year beginning	Additions made	With-drawn	End of year
3	No. of Power Transformers (33/11 kV)	117	0	11	106
4	Total MVA capacity of Power Transformers	321	30	0	350
5	No. of Distribution Transformers	2385	95	0	2480
6	Total MVA capacity of Distribution Transformers	292	5	0	297
7	Number of consumer meters		-		
	LT (less than 0.5 accuracy class)	283663	18034		301697
	LT (better than 0.5 accuracy class)		-		
	HT (less than 0.5 accuracy class)	826	73		899
	HT (0.2 accuracy class)		-		
	HT (better than 0.2 accuracy class)		-		
	Total	284489	18107	0	302596
5	Number of Interface meters				
	0.5 accuracy class	0	0	0	0
	0.2 accuracy class	0	0	0	0
6	Metered Sales (in MU)				
	a. Low Tension sale (LT)				376501
	b. High Tension sale (HT)			0	138781
	c. Extra High-Tension sale (EHT)	--			--
	Total				515282
7	Metered Consumers (in Nos.)		-		
	a. Low Tension (LT)	283663	18034		301697
	b. High Tension (HT)	826	73		899
	c. Extra High Tension (EHT)		-		
	Total	284489	18107	-	302596

3.4. Distribution losses

The distribution losses of P&ED system as filed were 28.01% during the year 2024-25 as against the approved Tariff Order Losses of 14.00% resulting in a deviation of 14.01%. The segregation of details between technical and commercial losses were not made available by P&ED anywhere in their ARR filing submission to examine.

3.5. Consumer profile and Energy sales

The consumers profile and corresponding energy sales during the year FY2024-25 are given in Table below:

Table 3.5: Consumer Profile and Energy Sales for FY 2024-25 (Audited actuals)

Sl. No.	Category	No. of Consumers	Connected Load (MW)	Sales (MU)
1(a)	Kutir Jyoti - LT	17042	4.904	5.34
1(b)	Domestic - LT	259772	334.074	308.41
1(c)	Domestic - HT	9	2058	1.56
2(a)	Non-Profit Public purpose - LT	8974	20.012	14.50

Sl. No.	Category	No. of Consumers	Connected Load (MW)	Sales (MU)
2(b)	Non- Profit Public purpose - HT	63	10.974	6.56
3(a)	Commercial - LT	13979	42.525	42.35
3(b)	Commercial - HT	568	18.740	16.59
4	Public Lighting - LT	801	1.545	2.54
5(a)	Irrigation & Agriculture - LT	97	0.185	0.16
5(b)	Irrigation & Agriculture - HT	7	0.219	0.6
6(a)	Public Water Works - LT	11	2.853	0.49
6(b)	Public Water Works - HT	75	38.702	95.14
7(a)	Industrial - LT	1021	4.872	2.71
7(b)	Industrial - HT	28	9.814	6.54
8	Bulk Supply - HT	138	14.968	11.77
9	Temporary Connection & Theft -	11	0.990	0.47
10	Outside State Sale - UI / Trading			196.26
	GRAND TOTAL	302596	507.435	711.54

(Source: Form No: R3a of petition)

3.6. Demand

The allocation of power (firm and un-firm (un-allocated) from various central generating stations, NEC funded Baramura Gas Based Thermal Power Plant and all others was 274.39 MW during FY 2024-25. The peak load demand of Mizoram state during the FY 2024-25 of P&ED department was 167.87 MW as on 29.01.2025 and during FY 2025-26 (provisional) the peak load was 181.62 MW as on 06.01.2026.

The P&ED procured 941.33 MU of energy during the year 2024-25 including own net generation of 31.65 MU. with **nil** RPO obligation related energy purchases.

4. Public Hearing Process

4.1. Introduction:

On admitting the ARR and retail Tariff Petition for FY 2026-27, the Commission directed the P&ED to make available the copies of the petition to the general public, post the petition on their website and also publish the same in newspapers in abridged form and invite comments/objections/suggestions from them. Two (2) written objection was received from various consumers from general public.

4.2. Public Hearing:

In order to ensure transparency in the process of determination of tariff as envisaged in the Electricity Act, 2003, Public Hearing was held at Aizawl on 20.03.2026 as scheduled in the Aijal Club, RB Mc'cabe Hall, Aizawl from 10:30 A.M. to 1:30 P.M. During the Public Hearing the participants from general public were given an opportunity to offer their views in respect of the ARR and Tariff Petition for FY 2026-27 of P&ED. The Commission received objections/suggestions from two (2) persons through affidavit within the stipulated time for submissions of objections/suggestions.

The list of stakeholders & general public who attended the Public Hearing is given in **Annexure-II**.

The Officers of P&ED who attended the Public Hearing have responded on the issues raised by the objectors during the hearing process.

4.3. Proceedings of Public Hearing:

The Commission received **Two (2) written objection** within the stipulated time from the general public of P&ED consumers. The objector wise, response of the P & ED, Mizoram against each objection is furnished below.

Objector 1: Pu Thanglura, President, Mizoram Consumers Union.

Objections No.1:

In the Aggregate Revenue Requirement (ARR) and Tariff Application prepared by the P&E Department for FY 2026-27, the projected Employee Cost was Rs.130.01 crore in FY 2025-26, but this time it is Rs.135.85 crore (which is Rs.5.84 crore higher) What is the main reason for this? Could you please provide facts & figures or percentages where possible?

P&ED reply:

It is submitted that the Employee cost for the FY 2026-27 has been revised based on the actual Employee cost for the FY 2024-25 & revised estimate for the FY 2025-26. The actual employee cost for the FY 2025-26 (H1) i.e. 1st April, 2025 to 30th September, 2025 is Rs 91.78 Crores for P&ED Mizoram as a whole (Distribution, Transmission & Generation). Similarly, Rs 91.78 Crores projected for FY 2025-26 (H2) for P&ED Mizoram as a whole (Distribution, Transmission & Generation). Accordingly, the employee expenses for the FY 2026-27 based on cost estimated in FY 2025-26 after escalating the same by 5.72% year over year to factor in the rise in the rates. The employee cost of Rs 135.85 Crores as projected for the FY 2026-27 only relates to the distribution function. The Employee cost for the FY 2026-27 as projected & approved by the Hon'ble Commission is provided in the table below. Table 2.12: Employee Cost FY 2026-27.

Objections No.2.

Could you please provide the cadre-wise employee and staff strength in detail for a period of three years: 2024-25, 2025-26, and 2026-27.

P&ED Reply:

No. of Employees for FY 2024-25 and FY 2025-26 (Up to September 2025) is as below, no of employees for FY 2026-27 is not projected by this Department.

SL No	Particulars	No. of employees (FY 2024-25)	No. of employees (FY 2025-26 upto 09/25)
1	Regular Employees	1019	1373
2	Contract Employees	10	12
3	Work Charge	290	241
4	Provisional Employees	1303	924
5	Muster Roll	445	398
6	Casual Labour	162	332
	Total	3229	3280

Objections No.3

How many years exactly does the MYT (Multi-Year Tariff) cover as per MZERC? In some parts, it states that it is approved for the upcoming 5 years, but projection is only for upcoming three years. Could you explain this to me more clearly? (Ref: Your letter No. T.23012/03/2023-EC(P)/Com80 - Dated 3rd March 2025)"

P&ED Reply:

As per Joint Electricity Regulatory Commission for Manipur and Mizoram, Multi Year Tariff Regulations, 2014 adopted by Mizoram Electricity Regulatory Commission Chapter 1 : Preliminary, Sub Clause No. 19- a, ("Control Period" means the period of three years from April 1, 2015 to March 31, 2018, and for every block of five years thereafter, for submission of forecast in accordance with Chapter-2 of these Regulations;), Multi Year Tariff Petition has to be filed by the deemed licensee within every five years. However, as mandated by the Hon'ble Commission Tariff

Petition for the upcoming year along with True up Petition of the 3rd previous year, Annual Performance of the previous year has to be submitted.

Objections No. 4

It is encouraging to see that the projected distribution loss of 24.50% for FY 2026-27 is lower than last year's figure (which was projected at 25.25% in the Tariff Petition). Additionally, what was the actual distribution loss for FY 2024-25? Also, could you tell me the All-India average AT&C loss for FY 2024-25?

P&ED Reply:

The Distribution loss for FY 2024-25 (as per accounts) is 28.01%. The overall / average distribution loss for FY 2024-25 within India is 15.04%.

Objections No. 5

In the 2025-26 Tariff Petition, it was stated that after the completion of RDSS, the AT&C loss in Mizoram is expected to be at 14%. When is this scheme scheduled to be completed? Please provide the specific month and year.

P&ED Reply:

There are several funds sanctioned under different categories for Revamped Distribution Scheme (RDSS) by the Government of India. It may be mentioned that the main/biggest fund sanctions are for Loss reduction (infrastructure works) and smart metering works for the consumers within the state. The loss reduction works is expected to be completed by 31st March 2026 and the smart metering works is expected to be completed by February 2027. The duration of the project (RDSS scheme) is 10 years.

Objections No. 6

Does the RDSS cover the whole of Mizoram? Which specific Divisions are included, and what are the sanctioned amounts and the project period?

P&ED Reply:

The sanctioned amount and sanctioned divisions under RDSS are stated as below:

SI No	Work Name	Sanction amount (Rs.Crs)	Sanction Date	Area Covered
1	Smart Metering	180.592	14.07.2022	Mizoram state
2	Loss Reduction (Infra)	188.00	14.07.2023	Revenue & Distribution Division, Aizawl
3	Household Electrification	78.72	14.03.2024	Mizoram state
4	NERPSIP Downstream	1.43	14.03.2024	Lawngtlai Power Division
5	Armoured Cable & LT Auxiliary	17.50	14.07.22 & 22.04.2025	Mizoram state

Objections No. 7

Does the RDSS also include Smart Meters, software, and other related components? Could you provide a copy of the sanction letter or any document where these details are mentioned?

P&ED Reply:

It may be mentioned that Revamped Distribution Scheme (RDSS) covers all the installation of smart meters and software, the sanctioned letter is enclosed herewith as **Annexure-X** at the end of Tariff. Order

Objections No. 8

It is very welcome that the government has made plans not to increase electric bills and fixed charges in the P&E Department's Tariff Petitions for FY 2025-26 and 2026-27. However, many consumers have found their electric bills to be very high since May 2025. The billing cycle should ideally be based on the Financial Year and a monthly basis (i.e., 30 days), as consistently practiced by the Mizoram Electricity Regulatory Commission and as issued in the Tariff Order for 2025-26. Recently, following the implementation of the RDSS, it appears that it has not been implemented much, it seems that implementation is proceeding on a "**pro-rata basis**" in some locations. For some consumers, meter readings are being taken within a billing cycle of 35 to 60 days.

Meanwhile, the Tariff rate is divided into three slabs: 1-100 units @ Rs. 4.90, 100-200 units @ Rs.7.10, 200 units and above @ Rs.8.20. When the billing cycle/period is extended, the unit consumption appears higher, pushing it into a higher rate slab for some consumers, which in turn inflates the bill. Therefore, if the billing cycle/period cannot be maintained as normal, it is a deficiency of the department; to ensure consumers do not suffer, units consumed beyond 30 days should be charged at the lower slab rate. We request the honorable Commission to accept our proposal regarding this matter.

P&ED Reply:

Billing system done by Power & Electricity Department, Government of Mizoram is done as per Tariff Order published by Mizoram Electricity Regulatory Commission, the suggestion regarding billing of consumers beyond 30 days as per lowest slab rate will violate the Tariff Order published by Mizoram Electricity Regulatory Commission.

Objections No. 9

The Fixed Charge for Domestic (connections) is Rs.50 per kW for a billing cycle (of 30 days); if implemented on a pro-rata basis, it comes to Rs. 1.66 per day. It is suggested that for any period exceeding 30 days, a rate of Rs. 1.66 per day should simply be applied.

In light of the above, we request this honorable Commission to issue an order in the interest of the consumers, especially as the RDSS is to be continued. Furthermore,

as per the Regulations, billing on a pro-rata basis was permitted by the Commission as a one-time measure only. If it is to be continued, we request the Commission to consider the welfare of the consumers and clarify whether this will be officially reflected in the Tariff Order.

P&ED Reply:

The requested fixed charge for consumers after 30 days for Rs 1.66 per day is as per the current practice of billing system followed by Power & Electricity Department. Billing in pro-rata basis for more than one billing cycle as suggested/proposed is reasonable and strongly supported.

Objections No. 10

If what we have stated above is not implemented, we believe it would be in violation of the Regulations framed by JERC/MZERC the Rights of Consumers Rules and the Supply Code Regulations, 2013 16th Amendment, Clauses 6.1 and 10.2 (5)(v). Therefore, we respectfully request the Hon'ble Commission to kindly consider this matter.

Commission's Reply:

The matters mentioned above have been discussed with the P&E Department, and agreement has been reached concerning the billing issues during the initial phase of installing smart meters. In doing so, clause 6.14 of Supply Code Regulations is also read.

Objections No. 11

Are the Smart Meters being installed for free by the government, or will consumers be charged a meter rent in their electricity bills? Furthermore, what is the cost of a Smart Meter (it's MRP)? If it happens to get damaged, will the government replace it for free?

P&ED Reply:

The smart meter to be installed will be done by Advanced Metering Infrastructure Service Provide (AMISP) at free of cost, however all the maintenance charge will be borne by the state government and will be paid to AMISP. The meter rent which is to be paid by the Consumers, as per MZERC Tariff Order needs to be paid to the State Government which will be included in monthly energy bill.

The smart meter which is newly introduced by the Department cannot be bought at retail outlet and the Maximum Retail Price cannot be calculated and it may be mentioned that the Government did not only buy the meters alone.

Objections No. 12

Furthermore, once the cost of the meter has been fully recovered, meter rent should be discontinued immediately, as is the practice in other states. This would safeguard consumer rights. The Mizoram Consumers' Union (MCU) appeals to the Honorable Commission and the Government to implement this for the benefit of the consumers.

P&ED Reply:

It may be mentioned that the Smart meter to be used also includes the software and communication system (i.e 4g Service Provider) and cannot be particularly estimated with the meter alone and the smart meter is purposeless without the software. Therefore, the rent of the meter cannot be calculated alone.

It may also be mentioned that the cost of meter rent has to be paid by the consumer as long as the meter is used by the consumer.

Objectors No. 2. Pu. Vanlalruata, Tuikual South**Objections No.1**

The employee cost Rs.135.85 Cr. is considered to be on higher side as the state maximum Power demand is just about 150 MW.

P&ED Reply:

The Petitioner respectfully submits that the Employee Cost of Rs. 135.85 Crores for the FY 2026-27 is lower than the amount of Rs. 156.92 Crores approved by the Hon'ble JERC in the MYT Order dated 28.03.2023. Thus, the present projection reflects a reduction of Rs. 21.07 Crores compared to the approved level.

Further, employee strength is determined based on the geographical spread of the State, dispersed consumer base, hilly terrain conditions, network maintenance requirements, and not solely on peak demand. Recruitment and service conditions are governed by the State Government. Therefore, the projected employee cost is reasonable, prudent and within the approved regulatory framework and may kindly be allowed.

Objections No.2

Administration and General expenses is increased to Rs.5.71 Cr. from Rs. 2.26 Cr. of previous year. The increment of Rs. 3.45 Cr. just in one year cannot be accepted.

P&ED Reply:

The Petitioner respectfully submits that the Hon'ble Commission had approved Administration & General (A&G) expenses of Rs. 7.15 Crores for the FY 2025-26 in the Tariff Order dated 24.03.2025. The present projection of Rs. 5.71 Crores for the

FY 2026-27 is lower than the that approved for FY 2025-26 by Rs. 1.44 Crores. Since the proposed amount is within the approved A&G expenses level for the previous year, the same may kindly be considered admissible.

Objections No.3

Efficiency gains input is nil in the petition whereas it was projected to be Rs.15 Cr. in those previous years. This indicates that the P& E Department inconsistencies in bill management. In fact, having minimal consumers as compare to even other NE states the Department should improve in efficiency gains. The Department should put up more efforts in efficiency gains.

P&ED Reply:

The Petitioner respectfully submits that efficiency gain/loss computation depends upon approved norms vis-à-vis actual performance parameters. In the present filing, no specific normative benchmarks or methodology for deriving the projected efficiency gain was available in the Tariff Order.

Therefore, in absence of clear normative parameters, no efficiency gain has been projected. The Department, however, is continuously undertaking measures for reduction of AT&C losses, improvement in billing efficiency, and strengthening of Revenue realization.

Objections No.4

The proposed cost of generation Rs.13.09 Cr. as compared to last year Rs. 6.13 Cr. seems very high

P&ED Reply:

The Petitioner respectfully submits that in the MYT Order, the Hon'ble Commission had approved Rs. 6.13 Crores against the Department's earlier submission of Rs. 14.63 Crores for FY 2026-27. The present projection of Rs. 13.09 Crores is aligned with realistic operational requirements, including maintenance expenses, and plant operational readiness.

The present estimate reflects actual requirement for ensuring system reliability and generation. Therefore, the proposed cost is justified and may kindly be considered.

Objections No.5

Cost of Power purchase Rs. 507.73 Cr from Rs. 486.20 Cr. a sudden jump of Rs. 21.53 Cr. may be considered very high as the maximum Power demand remained almost the same. This requires immense justifications. It may be stated that the financial constraint of the State seems to be serious and managing smooth and high-quality

Power supply to consumers is often interrupted. The money saved from reducing excessive Power purchase the P&E Department should focus seriously in Power distribution by installing more high-quality Power and distribution Transformers and other accessories

P&ED Reply:

The Petitioner respectfully submits that the earlier approved power purchase cost of Rs. 486.20 Crores was based on energy procurement of 856.88 MUs. The present proposal of Rs. 507.73 Crores corresponds to procurement of 1014.99 MUs.

The increase is primarily due to higher projected energy requirement, variation in power purchase mix and increase in per unit procurement cost, rather than increase in peak demand alone. Energy requirement is influenced by annual sales growth, T&D loss levels and seasonal variations.

The Department is also undertaking parallel strengthening of distribution infrastructure; however, adequate power procurement is essential to ensure reliable supply to consumers. Therefore, the proposed power purchase cost is realistic and may kindly be approved.

Objections No.6

In spite of the state Government promised not to increase the Power Tariff, many of the Power consumers received exorbitantly high-Power bills comparing the previous Power bills without sudden increase in Power consumption. This requires justifications from the P&E Department.

P&ED Reply:

The Petitioner respectfully submits that no tariff hike was implemented for the FY 2025-26. It is submitted that specific instances along with copies of bills, may kindly be made available so that case-wise verification can be undertaken. The Department shall examine such cases thoroughly and submit a compliance report to the Hon'ble Commission, if required.

Commission comments:

The various objections arise by the above two objectors and relevant replies in response to the objections are noted by the Commission.

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5. True-up of ARR for FY 2024-25

5.1. Back ground

Petitioner's Submission:

Multi Year Tariff Order for the control period of 5 years from FY 2023-24 to FY 2027-28 was issued by the Hon'ble Commission vide order dated 28.03.2023 under the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 read with First Amendment Regulations, 2019.

The Hon'ble Commission determined the Aggregate Revenue Requirement for the FY 2023-24 to FY 2027-28 & Tariff for the FY 2023-24 vide Order dated 28.03.2023. Further, Tariff Order for the FY 2024-25 was issued vide Order dated 15.03.2024.

Regulation 10(1) & (2) of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 as adopted by MZERC provides as follows:

"10.1 Where the Aggregate Revenue Requirement and expected revenue from tariff and charges of a Generating Company or Transmission Licensee or Distribution Licensee is covered under a Multi-Year Tariff framework, then such Generating Company or Transmission Licensee or Distribution Licensee, as the case may be, shall be subject to truing up of expenses and revenue during the Control Period in accordance with these Regulations.

10.2 The Generating Company or Transmission Licensee or Distribution Licensee shall file an Application for Truing up of the previous year and determination of tariff for the ensuing year, within the time limit specified in these Regulations"

Further, the Hon'ble Commission notified the First Amendment Regulations, 2019 is as follows:

"5.2 The filing of the Control Period under these Regulations shall be as under.

(i).....

(ii) *From the second year of the Control Period onwards and up to the last year of the Control Period, the petition in each year shall comprise of:*

- a. Truing Up for the previous year with audited accounts, and Annual Performance Review (APR) with revision of ARR approved in MYT Order for current year and revised projection of ARR approved in MYT Order for the ensuing year in accordance with these Regulations;*
- b. Revenue from the sale of power at existing tariffs and changes for the current year;*
- c. Revenue gap for the ensuing year calculated based on the revised projection of ARR and truing up of the previous year;*
- d. Application for determination of tariff for the ensuing year.”*

The Hon’ble Commission carried out the review of the FY 2024-25 vide order dated 24.03.2025. The actual figures for the FY 2024-25 are now available. As required by the Regulations, P&ED Mizoram is submitting the Audited Annual Accounts for the FY 2024-25 and Asset & Depreciation Register.

Further, in accordance with the Regulation 10(1) & (2) of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 & Regulation 5.2 (ii) of First Amendment Regulations, 2019 as given above, the P&ED Mizoram is submitting the present true-up petition for the FY 2024-25 on the basis of the audited Annual Accounts.

P&ED Mizoram requests the Hon’ble Commission to carry out the true-up of expenses in accordance with the Regulation 10 of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 read with First Amendment Regulations, 2019.

Data given in this chapter is for the entire year i.e. FY 2024-25.

5.2. Energy sales

The actual sales vis-à-vis the sales approved by the Hon'ble Commission in its Tariff Order dated 15.03.2024 & 24.03.2025 for the FY 2024-25 is as summarized below:

Table 5.1: Retail Energy Sales of FY 2024-25

(In MUs)

Sl. No.	Category	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
	LT Consumers			
1	Kutir Jyoti	5.38	5.05	5.34
2	Domestic	321.98	320.08	308.41
3	Non-Profit Public Purpose	13.00	12.74	14.50
4	Commercial	44.04	44.54	42.35
5	Public Lighting	2.77	2.89	2.54
6	Public Water Works	6.97	0.23	0.49
7	Agriculture	0.05	0.08	0.16
8	Industrial	2.69	2.59	2.71
9	Electric Vehicle Charging	1.00	0.00	0.00
	Total LT	397.89	388.20	376.50
	HT Consumers			
10	Domestic	2.46	1.39	1.56
11	Non-Profit Public Purpose	4.38	7.06	6.56
12	Commercial	13.88	16.82	16.59
13	Agriculture	1.12	0.21	0.16
14	Public Water Works	98.40	101.40	95.14
15	Industrial	12.10	14.92	6.54
16	Electric Vehicle Charging	1.00	0.00	0.00
17	Bulk Supply	15.55	14.06	12.23
	Total HT	148.89	155.87	138.78
18	Total LT & HT	546.79	544.07	515.28
19	Outside State - Trading	138.01	182.24	196.26
	Total	684.79	726.31	711.54

Commission analysis:

In the relevant year Tariff Order, the Commission approved energy sales of LT & HT category within the State including Outside State Sales at 684.79 MU which includes 138.01MU for Outside state sales (OSS) as against achieved actuals of 711.54MU together with 196.26MU of Outside State sales (OSS) in FY 2024-25 for true-up purpose and these figures are matching with the statutory auditor figures approved in the audited financial accounts. Hence, the sales quantum actuals now submitted are approved by Commission for True-Up finalisation.

5.3. Distribution Loss & Energy Balance

The actual values of the distribution loss for the FY 2024-25 arrived in accordance with the actual energy sales & energy purchase.

Table 5.2: Distribution Loss for FY 2024-25

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	True-Up Actuals filed
1	Distribution Loss (DL)	14.00%	26.75%	28.01%

Commission's analysis

Though, the distribution loss proposal made at 25.00% by P&ED through initial ARR filings petition, the Commission had approved Distribution Loss at 14.00% for FY2024-25 in its Tariff Order dt.15.03.2024 keeping in view the RDSS scheme availment by P&ED. Subsequently the Distribution Losses were revised to 26.75% as the achievement of 14% has appeared not achievable. But, now for True-up sake, the P&ED had once again indicated actual distribution losses at 28.01% which is little lower than 28.33% actual in FY2023-24. Thus, it is evident that P&ED is not in a position to arrest the distribution losses much and improvement is only 0.32% only. The P&ED is hence lagging behind quite a lot as it appears from its historical performance. With the segregation of UI Under Drawl and Outside State IEX sales in the energy balance table the losses will be higher than 28.01% as submitted by P&ED, the derived actual value can be seen in the energy Balance **table-5.5** made by Commission in the foregone paras for clarity.

Thus, the Commissions realised that loss management efficiency of P&ED was never seen impressive seeing deteriorating trend in energy handling in distribution network than making progressive efforts to reduce losses.

5.4. P&ED's Own Generation & Solar Generation

The P&ED Mizoram's own generation approved for the FY 2024-25 and actual value of own generation made by the P&ED Mizoram for the FY 2024-25 is provided in the table below:

Table 5.3:P&ED Mizoram's Own Generation FY 2024-25

In (MUs)

Sl. No.	Particulars	Approved in T.O. dt.15.03.2024	Approved in T.O. dt.24.03.2025	As per Accounts
1	2	3	4	5
1	Total Generation (Net)	39.63	37.09	33.38
	Total	39.63	37.09	33.38

It is submitted that Amazon Engineering have been undertaking Operation & Maintenance (O&M) of Khawiva SHP, Tuipui SHP & Kau Tlabung SHP and Assam Petroleum Ltd have been undertaking Operation & Maintenance (O&M) of Teirei SHP on behalf of P&ED Mizoram. Further, the Installed Capacity & energy generation is included in the books of P&ED Mizoram. The net generation of 0.02 MUs from Lengpui Project & 1.73 MUs for State Solar Generation is included in the total net generation of 33.38 MUs.

Commission Analysis:

Net generation from Lengpui diesel plant of 0.02MU though mentioned in the above write-up, but the same should not have been added into the own generation energy quantum of FY2024-25 as the same was not made available for any retail consumers and no revenue yield was seen recovered from this energy. Hence, this plant has been ignored by the Commission for energy calculation purposes as this plant was utilised only as a standby back-up unit at Lengpui airport. Moreover, this plant energy was not connected to the State Grid where retail consumers are available. The same kind of treatment has been given in the earlier years also. Hence, the total net generation from own station is 33.36MU but not 33.38MU. This figure of 33.38MU is comprising of State Own SHPs of 31.65MU and the State solar Generation of 1.73MU.

The details of Solar Generation Plants included during the year:

Sl. No.	Solar Plants details for FY2024-25	Energy Units (in MUs)
1.	SPV Solar Plant at KHAWIVA	0.14
2.	Roof-Top SPV solar Power at KAWLPHETHA Office building.	0.02
3.	SPV Solar Plant at SIHHMUI	0.07
4.	SPV Solar Plants at MELRIAT	0.04
5.	Solar plant, TLUNGVEL	1.46
	Grand total of Solar Generation	1.73

The net energy generated by both M/s. Amazon Engineering & M/s. Assam Petroleum on behalf of P&ED was intimated in response to additional information is 10.04MU & 8.95MU during FY 2024-25 & FY2025-26 respectively. Thus, the Own generation by P&ED from the remaining SHPs is about **33.36MU**. Each Station wise energy generated by these four (4) plants managed by M/s. Amazon Engineering & M/s. Assam Petroleum Ltd during FY 2024-25 is tabulated below for a glance.

Sl. No.	SHP plants managed by Outside Agencies in FY2024-25	Installed Capacity (MW)	Net Generation (MUs)
1	Khawiva (M/s.Amazon Engg.)	1.05	1.12
2	Tuipui (M/s.Amazon Engg.)	0.50	0.40
3	Kau-Tlabung (M/s/. Amazon Engg.)	3.00	7.00
4	Teirei (M/s.Assam Petroleum)	3.00	1.51
	Grand Total	7.55	10.04

As per the reply from P&ED, the O&M charges are being paid at Rs.1.21Cr to both the leased companies for running the four (4) SHP plants in FY 2024-25 but shown this cost under Repairs & Maintenance charges. As there is a convention that this cost is shown under R&M expenses in audited accounts and **no Generation ARR amount is claimed once again basing on norms once again to avoid doubling the cost. Accordingly, these four (4) plants would be considered with the amount of costs being paid to these companies in Generation ARR and no separate ARR amount is estimated or allowed for P&ED in the FY 2026-27 ARR finalisation.**

5.5. Power Purchase

The power purchase approved for the FY 2024-25 and actual units of power purchase made by the P&ED Mizoram for the FY 2024-25 is provided in the table below:

Table 5.4 : Power Purchase Units FY 2024-25

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Power Purchase Units (MUs)	761.37	951.40	907.95
	Total	761.37	951.40	907.95

Commission's Analysis

The Commission also noted that the above power purchase quantum indicated is after fully ignoring the Under-drawl quantum of **80.4647MU** (as shown in Form-F1d) and it is also exclusive of Own generation & Solar Generation of 33.38MU (i.e., 31.65MU+1.73MU). In other words, the total approved power purchases quantum from all sources would finally be at 941.33MU, which is also arrived at after ignoring the under-drawl units of 80.4647MU. This value is intentionally treated as IEX/OSS sales forming part of 196.26MU (Outside trading).

5.6. Energy Balance

The actual energy balance for the **FY2024-25** and the approvals accorded are compared in the table provided below:

Table 5.5: Energy Balance FY 2024-25 (figures in MU)

Sl. No.	Energy Balance	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
A	Energy Requirement			
1	Energy Sales	546.78	544.07	515.28
2	Distribution Loss (%)	14.00%	26.75%	28.01%
3	Distribution Loss (MUs)	89.01	198.69	200.46
4	Total Energy Requirement	635.79	742.76	715.74
B	Energy Availability			
5	Own Generation	39.63	37.09	31.65
6	Energy Purchase from ER	27.81	33.40	33.90
7	Less: ER Pool Loss (%)	2.00%	1.88%	1.90%
8	Less: ER Pool Loss (Mus)	0.56	0.63	0.64
9	Net Energy for ER	27.25	32.77	33.26
10	Energy Purchase from NER (Exl. Tuirial HEP)	559.03	605.37	603.53
11	UI / Deviation / IEX through exchange	0.00	0.00	0.09
12	Sub Total	586.28	638.14	636.88
13	Less: NER Pool Loss (%)	2.33%	2.33%	2.21%
14	Less: NER Pool Loss (MUs)	13.66	10.62	14.08
15	Net Energy at NERLDC	572.62	627.52	622.80
16	Energy purchases from Tuirial HEP	121.90	207.68	203.98
17	Free Energy from Tuirial HEP	16.49	28.32	27.82
18	Amazon Engineering	0.00	0.00	0.00
19	Rooftop Solar Generation/Solar Purchase	34.02	37.35	38.63
20	Solar Generation	2.12	2.19	1.73
21	Energy Available	786.78	940.15	926.61
22	Less: Outside State - Trading	138.01	182.24	196.26
23	Total Energy Available	648.77	757.92	730.35
24	Less: Intra State Tr. Loss (%)	2.00%	2.00%	2.00%
25	Less: Intra State Tr. Loss (MUs)	12.98	15.16	14.61
26	Net Energy Available	635.80	742.76	715.74
27	Less: Energy requirement at State Periphery	635.79	742.76	715.74
28	ENERGY SURPLUS/(DEFICIT)	0.00	0.00	0.00

Commission's Analysis

Despite, having given lots of chances earlier to improve was not properly acted upon to rectify/plug the loopholes. The general public/consumers shall not be burdened anymore on this aspect and hence the Commission seriously viewed this issue and adopts penalty for the poor show up by adopting 28.01% as its distribution losses irrespective of actual losses

which are at higher level and this is the only way of compel the Licensee to strengthen and create a robust distribution network with lesser & reasonable losses in future. The P&ED has made excess purchase of 196.26MU, which is more than their energy requirement and later on dispose-it-off such excess by IEX sales at a lower price than the average cost of procurement and sustains financial loss in this transaction. **Hence, the Commission felt that such sustained loss portion is proposed to be adjusted against power purchase cost in order not to pass it on this burden on consumers. The details of this loss/gain amount if any sustained is elaborated under power purchase cost item.**

The details of various **Roof-Top solar Generation** energy projected by P&ED to be procuring from the following power plants in FY 2024-25:

Sl.No.	Solar Power Suppliers	Units (Mus)	Amount (Rs.Crs)
1	SUNFREE for Vankal	28.91	11.39
2	ATA for Vankal	9.62	3.79
3	Local Solar Purchase	0.10	0.05
	Grand Total	38.63	15.23

Therefore, Commission strongly infers that excess purchase is on account of slackened vigilance by P&ED staff which resulted into steep shot-up of commercial losses within the state such as **theft, pilferage and raise of billing demand improperly leaving some sale of energy left unaccounted through malpractices by users.**

Table 5.6: Commission Approved T&D losses for FY 2024-25 (True-up)

Sl. No.	Energy Balance - P&ED	2024-25
A	Energy Requirement	Actuals
1	Net Energy Sales (MU)	515.28
2	Distribution Loss (%) (derived)	28.18%
3	Distribution Loss (MUs)	202.17
4	Gross Energy at Distribution Input (MU)	717.45
B	Energy Availability	2024-25
5	Energy Purchase from ER (Input) (MU)	33.90
6	Less: ER Pool Loss (%)	1.90%
7	Less: ER Pool Loss (MUs)	0.64
8	Net Output Energy for ER (MU)	33.26
9	Energy Purchase from NER (Exl. Turial HEP) (MU)	603.53

Sl. No.	Energy Balance - P&ED	2024-25
10	Gross Energy purchased from all external sources (MU)	636.79
11	a) Add: UI Over Drawl	0.09
	b) UI Under Drawl	80.46
12	Gross Energy handled at NER Grid (MU)	556.41
13	Less: NER Pool Loss (%)	2.21%
14	Less: NER Pool Loss (MUs)	12.30
15	Net Energy from sources outside Mizoram (MU)	544.11
16	Less: Outside State Sales at IEX/OSS	115.795
17	Net Energy from NERLDC after IEX Sales	428.31
18	Energy purchases from Tuirial HEP (MU)	203.98
19	Free Energy from Tuirial HEP (MU)	27.82
20	Own Generation from SHPs (MU)	31.623
21	Rooftop Solar Generation/solar purchase (MU)	38.63
22	State Solar Generation (MU)	1.73
23	Total Energy available at State Periphery (MU)	732.10
24	Less: Intra State Tr. Loss (%)	2.00%
25	Less: Intra State Tr. Loss (MUs)	14.64
26	Energy Injection at Discom Input (MU)	717.46
27	T&D Losses (MU) (3+25)	216.83
28	Overall T&D Losses (%)	29.615%

The above energy balance figures of FY 2024-25 are now approved based on actual values furnished by P&ED through ARR petition, the additional information replies provided and approved audited actuals.

In the above table, the energy of 0.024MU from Lengpui Diesel Plant was withdrawn from the Own generation figure of 31.65MU and shown as 31.626MU basing on the P&ED reply under item-3 of Generation ARR additional information query stating that the Lengpui diesel set is not connected to the Grid within the State and it is used purely as a back-up power supply for Lengpui airport, thus the projected energy generation is impracticable. Similar treatment is given even for FY2025-26 and FY2026-27 also by eliminating the units added in the power generation projected.

The extract of the NER Losses at 2.21% & ER Losses at 1.90% so published in their relevant Annual Compendiums for FY 2024-25 is attached as annexure-VI & VII respectively at the end of the Tariff Order for reference.

5.6.1. AT&C Losses based on CEA method

The CEA initially issued a calculation methodology for computation of AT&C Losses vide **Letter No. CEA/DPD/AT&C Losses/2017/758-818, dt:02.06.2017**. Later on, an addendum to AT&C Losses calculation methodology was issued separately by **Distribution Policy and Regulations Division vide F.No.CEA-GO-13-25/1/2023-DPR Division-73, Dt. 30th June 2023** with an underlying instruction that it shall be adopted by all stake holders from FY2023-24 onwards.

Accordingly, the P&ED in its proforma accounts for FY2024-25 had appended with an AT&C losses statement as annexure. But the same was noticed to be not matching with the relevant figures so submitted in its true-up filing of P&ED for FY2024-25. **Hence, the Commission too strongly felt it more relevant to rederive all the values afresh and be tabulated as per part of the Tariff Order covering the AT&C losses achieved by P&ED is as follows:**

As per methodology revised by CEA for AT&C Losses computation

	Item elements	Methodology	FY 2024-25
A	Input Energy (MU)	(Energy Generated - Auxl. Consump)+(Energy Purchased GROSS- ISS/Traded energy)	730.35
B	Transmission Losses (MU)	Actual identified loss	215.07
C	Net Input Energy (MU)	(A - B). (Don't add OA units or Wheeled energy)	515.28
D	Energy Sold (MU)	Retail Energy sold less ISS/Traded Units	515.28
E	Revenue from Sale of Energy (Qrs)	Retail revenue+Subsidy booked-Revenue from ISS/Traded. (Ignore unbilled revenue)	431.45
F	ADJUSTED -Revenue from Sale of Energy on subsidy received basis(Qrs)	Item-E - (Subsidy booked) +(subsidy received against subsidy booked during the year and also arrears if any)	589.78
G	Opn. Drs for Energy sold (Qrs)	Opng revenue debt receiveable (No minus of Prov. For BD). Unbilled revenue shall not be considered	52.91
H	Clsn. Drs for Energysold (Qrs)	i) Clsng Revenue Drs receivables (no PBD adjustment). Unbilled revenue to be ignored. ii) Any amount Written-Off during the year directly from above (i).	71.57
I	Adjusted Closing Debtors for Sale of Energy (Qrs)	H (I + II)	71.57
J	Collection Efficiency (%)	(F + G - I)/E x 100	132.37%
K	Units Realised (MU) = Energy sold * Collecion Efficiency)	(D * J)/100	682
L	Units Unrealised (MU) = (Net Input Energy - Units Realised)	(C - K)	-167
M	AT&C Loss (%) =(Units unrealised / Net Input Energy) * 100	(L / C)*100	-32.37%

Here, Overall power procured can't be more than 941.33MU, subsidy booked is Rs.197.23Cr and subsidy received during the year is Rs.355.56Cr. The Intra-State

Losses includes 14.61MU and Distribution Losses are at 200.46MU put together overall losses are 215.07MU is considered in the above method while in audited accounts it considered as 111.14MU is incorrect. The Overall AT&C Losses had thus resulted in negative value because of the excessive subsidy received during the year beyond tariff order approved subsidy value and so also the Collection efficiency figure is far above 100% as an extraneous situation noticed for FY 2024-25, while in the audited accounts it was reflected as 100% is also misleading.

The derivation of the AT&C Losses is possible only for a financial year where audited accounts were finalised and submitted in full shape for commission scrutiny and hence, **this figure can't be derived for FY 2025-26.**

5.6.2. Fuel Cost

The value of fuel cost are compared with the same approved by the Hon'ble Commission in the Tariff Order dated 15.03.2024 & 24.03.2025 for the FY 2024-25. The actual fuel cost based on the audited annual accounts as compared to the approved figure is provided in the table below.

Table 5.7: Fuel Cost for FY 2024-25

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Cost of Fuel	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission Analysis:

The Commission hereby prefers to approve **NIL fuel cost** for FY 2024-25 for true-up purposes, though P&ED submitted it in the filing submission that Lengpui has generated 0.02MU in FY2024-25 but no cost aspect has been claimed for in True-up is a cross check. **Logically no power was availed from this plant by retail consumers, as it is not being connected to the State Grid and this diesel set was kept at Lengpui Airport as a standby power support in the eventuality of unforeseen power failure. Hence, no fuel cost charge will also be not allowed for this plant.**

5.6.3. Cost of Generation

Commission Analysis:

The petitioner is silent upon this cost element in its true-up submission

despite having got approved for Rs.9.16Cr in the Tariff Order of FY 2024-25 but in reality, the petitioner is claiming **NIL** amount against Tariff Order approved value. **Now Commission feels it more appropriate to approve Rs.1.21Cr under this head** (cost of Generation) for having paid to M/s. Amazon Engg. & Assam Petroleum Ltd in FY2024-25 towards operation & maintenance activity for four (4) SHPs comprises of 7.55MWs of installed capacity but incorrectly added these charges under R&M expenses in the submitted proforma audited accounts. *Hence, these charges will be allowed under the head Cost of Generation by Commission duly disallowing it from the head R&M Expenses as was reflected in their ARR petition submission also.*

5.6.4. Power Purchase Costs

Petitioner's submission

The Hon'ble Commission in the Tariff Order dated 15.03.2024 for the FY 2024-25 had approved a power purchase quantum of 761.37 MUs at a total cost of 494.78 Crores. P&ED Mizoram has actually procured 907.95 MUs during the FY 2024-25 at a total cost of Rs 502.51 Crores. The actual power purchase cost based on the audited annual accounts as compared to the approved figure is provided in the table below.

Table 5.8: Power Purchase Cost FY 2024-25

(In Crores)				
Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Power Purchase Cost	494.78	478.08	502.51
	Total	494.78	478.08	502.51

Commission's analysis

The power purchase cost approved by the commission for FY 2024-25 is detailed in the table below.

Table 5.9: Actual Power Purchase Cost for FY 2024-25 approved by Commission

Sl. No.	Generation Sources	Plant Capacity (MW)	P&ED Share (%)	P&ED Share (MW)	Energy Purchased (MU)	Total Charges (Rs./Crs)	Per unit cost (Rs/kWh)
A	Central Generating Stations						
I	NTPC						
1	Bongaigaon TPS	750	5.415	40.613	183.45	139.63	7.61
2	Farakka STPS	1600	0.142	2.27	15.76	6.99	4.44
3	Kahalgao STPS	840	0.142	1.19	8.37	3.65	4.35
4	Talcher STPS	1000	0.142	1.42	9.77	2.07	2.12
	NTPC-Total	4190	0.59%	45.497	217.35	152.34	7.01
II	NHPC						
1	Loktak HEP	105	5.02	5.27	34.57	10.73	3.10
	NHPC-Total	105		5.27	34.57	10.73	3.10
III	NEEPCO						
1	Kopili HEP	200	4.61	9.22	26.59	6.25	2.35
2	Kopili - II HEP	25	6.04	1.51	9.98	2.45	2.46
3	Khandong HEP	50	3.94	1.97	0.00	0.00	#DIV/0!
4	Ranganadi HEP	405	5.70	23.09	59.50	18.21	3.06
5	Doyang HEP	75	5.25	3.94	10.79	8.33	7.72
6	Pare HEP	110	5.765	6.34	21.55	11.51	5.34
7	Tuirial HEP	60	100	60	203.98	105.51	4.55
	Free Power share				27.82		
8	AGBPP	291	5.409	15.74	51.04	42.11	8.25
9	AGTPP	135	6.005	8.11	18.03	14.19	7.87
	NEEPCO-Total	1351		129.91	429.27	208.56	4.86
IV	TSECL & OPTC						
1	Baramura – IV&V	42	50.00	10.50	0.39	0.34	8.66
2	Palatana	726	5.785	42.00	187.64	66.97	3.57
	TSECL& OPTC-Total	768		52.50	188.03	67.31	3.58
	Total CGS Energy Purchase	6414.00		233.18	869.22	438.93	5.05
B	State Own generation						
1	All Units (excl. Lengpui set)	38.85	100	38.85	31.622	0.00	0.00
	Owned Generation Total	38.85		38.85	31.622	0.00	0.00
C	IEX Exchange purchase				0.09	0.05	5.67
D	a) UI Over drawl				0	0	0
	b) UI Under drawl receipt				0	-15.024	0
	UI / Deviation-Total				0	-15.024	0
E	Other RE Energy						
	1. Solar purchases				38.63	15.23	3.94
	2.State Solar Generation	2.35	100	2.35	1.73	0	
F	RP Obligation /REC Certificate					0	
G	LC Enhance/Renew charges					0.22	
H	Reactive Energy Charges					0.03	
I	Supplementary Bills (Addl.)					42.10	
k	REC Certificate Obligation					NIL	
I	Loss from IEX Sales made					NIL	
	GRAND TOTAL	6455.20		274.37	941.30	481.54	5.12

The Commission approves power purchase of 941.30MU after excluding notional UI Under-Drawl of 80.46478 MU and also the Lengpui Diesel set

energy of 0.024MU. Similarly, the Late payment surcharge of Rs.5.9528Cr., and Under-drawl compensation of Rs.15.024Cr from power purchase cost is subtracted to arrive at power purchase cost of FY2024-25. Besides, no adjustment was felt needed for RPO Obligation certificates procurement since P&ED had fully complied with the obligation in FY2024-25. The above power purchase cost is derived after verifying the gain/loss status on sale of huge IEX sales quantum of 115.795MU to the tune of Rs.76.87Cr and the detailed calculation table is appended below for reference which shows a gain but no loss sustained on account of this IEX sales.

FY 2024-25				
S.No.	Power purchase cost adopted	MU	Rs.Crs	CPU
a	CGS Units cost	869.22	438.93	5.050
b	UI Over drawl	0.00	0.00	
c	Less: UI Under drawl (income)		-15.024	
d	State Own Generation units	-	0.00	
e	Transmission charges allowed		56.51	
f	Supplementary Bills		42.10	
	Total Power cost amount	869.22	522.51	6.011

S.No.	Details for FY2024-25	MU	Cost Crs)	CPU
I	Total IEX Sales made in 2024-25	115.795	76.87	6.638
II	Banking energy:			
	a) Received back units	0.00	0	
	b) Sold banking units	0.00	0	
	Surplus from Banking (a-b)	0.00	0	
III	Balance IEX units sold	115.79		
IV	Less: IEX Purchases done	0.09	0.05	5.669
V	Units supported by CGS Purchases	115.70	69.55	56.011
VI	Cost adopted for balance IEX units sold	115.80	69.55	6.011
VII	Revenue at avg. rate (Row-1 above)	115.80	76.87	6.638
	Loss sustained in IEX Sales (VII-VI)		7.26	Profit

With regard to procurement of Renewable Energy & RPO certificate purchase obligation for FY 2024-25, the P&ED do not require to procure any certificates. (the detailed calculation is appended below with reference to the latest relevant regulation No.T.1301/1/24-MZERC/8, Dt.18.11.2024 by MZERC).

Sl. No.	Particulars (P&ED)	Formula	Unit	2024-25
1	Energy input consumption at Distribution area		MU	732.11
2	Total RPO Set Target (Overall)		%	29.91%
3	Total RE purchase requirement	1*2	MU	218.97

Sl. No.	Particulars (P&ED)	Formula	Unit	2024-25
4	Wind Renewable Energy Set Target		%	0.67%
5	Wind power purchase requirement	1*4	MU	4.91
6	Hydro Renewable Energy Set Target		%	0.38%
7	Hydro power purchase requirement	1*6	MU	2.78
8	Distributed Renewable Energy Set Target		%	0.75%
9	Distributed RE purchase requirement	1*10	MU	5.49
10	Other Renewable Energy Set Target		%	28.11%
11	Other RE Purchase Requirement	1*8	MU	205.80
12	Wind power Actual RE achievement	Input Data	MU	0
13	Surplus / (Deficit) in Wind RE purchase	(12-5)	MU	-4.91
14	Wind RE achievement (%)	12/5	%	0.00%
15	HPO (Hydro) actual RE achievement	Input Data	MU	0.00
16	Surplus / Deficit in HPO (HYDRO) purchase	(15-7)	MU	-2.78
17	HPO RE achievement (%)	15/7	%	0.00%
18	Other RE purchase (a+b+c+d+e)	Input data	MU	428.12
	a) Co-generation		MU	0
	b) Small Hydro		MU	31.62
	c) Biomass		MU	0
	d) Solar		MU	1.73
	e) Others		MU	394.77
19	Surplus / Deficit in other RE purchase	(18-11)	MU	222.33
20	Other RPO RE achievement (%)	18/11	%	208%
21	Distributed RE actually achievement	Input data	MU	38.63
22	Surplus/Deficit in Distribution RE purchase	(21-9)	MU	33.14
23	Distribution RE achievement (%)	21/9	%	704%
24	Total RE purchase achievement	12+15+18+21	MU	466.75
25	RE Power Procurement achieved in (%)	24/3	%	213.15%
26	RPO to be fulfilled	(3-24)	MU	-247.78
27	RE Certificates procurement if any needed		Crores	Nil

5.6.5. Inter State Transmission Charges

Petitioner's Submission

The Hon'ble Commission in the Tariff Order for FY2024-25 dated 15.03.2024 had approved transmission charges of Rs 57.93 Crores. The actual transmission charges for the FY 2024-25 is Rs 52.89 Crores. The actual transmission charges based on the audited annual accounts as compared to the approved figure is provided in the table below.

Table 5.10: Transmission Charges FY 2024-25**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Transmission Charges	57.93	55.01	52.89
	Total	57.93	55.01	52.89

Commission's Analysis

The Commission after thorough scrutiny of these expenses in detail with the additional information data so provided by P&ED, it is noticed that no late payment surcharges were also included in the claim of Rs.52.89Cr (as per annexure-F). Accordingly, commission allowing the said payment as fully paid to CTUIL, PGCIL, POSOCO approves **Inter-State Transmission Charges (CTU Charges) at Rs.56.51Cr** (Rs 52.89Cr+Rs 3.62Cr) after considering Rs.3.62Cr paid to CTUIL but wrongly classified under the head R&M Expenses for FY2024-25 for this True-up purpose.

5.6.6. Intra -State Transmission Charges (State Transmission Charge)**Commission Analysis:**

It is interesting to note that P&ED had claimed Rs.45.74Cr towards Intra-State transmission charges at the time of issuance of Tariff Order for FY2024-25. But now, the Licensee did not claim/indicate any Intra-state Transmission charges for FY 2024-25 basing upon the audited actuals submitted in the form of audited annual accounts approved by the statutory auditor. Thus, it is an attempt to boost the ARR value for future benefit during issuance of Tariff Order but in reality, no such costs are seen incurred by P&ED verifying with the audited proforma accounts in the past years. Accordingly, the Commission approves **Rs. Nil** amount against Intra-State Transmission Charges in FY2024-25 for True-up purpose in the absence of no such expenditure item seen spent basing on the audited proforma accounts finalized.

5.6.7. O & M Expenses**a) Employee Cost****Petitioner's submission**

The Hon'ble Commission had approved employee cost of **Rs 135.59 Crores** for

the FY 2024-25 vide Tariff Order dated 15.03.2024. The audited accounts for department are not function wise, hence, segregated actual employee expenses for distribution function is not available. The actual employee cost provided below is total for the department as a whole.

It is submitted that in view of the fact that **the function wise segregated costs are not available and the audited costs are inclusive of the cost of generation & transmission function, P&ED Mizoram is not claiming the cost of generation & intra-state transmission charges separately.**

The Hon'ble Commission may kindly consider the above submission and true-up the employee cost for the FY 2024-25.

The approved employee cost and actual value of employee cost for FY 2024-25 is provided in the table below:

Table 5.11: Employee Cost FY 2024-25

(In Rs Crores)				
Sl. No.	Particulars	Approved in T.O. dt 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Employee Cost	135.59	122.97	185.37
	Total	135.59	122.97	185.37

Commission Analysis:

It is observed that last year P&ED had spent Rs.193.12crs towards Employee cost while in this year it had spent only Rs.185.37Crs which is less by Rs.8 Crs approximately. Accordingly, the Commission too approves the same amount of **Rs.185.37Crs for FY 2024-25 true-up purpose towards employee cost of entire P&ED utility for all three functions (G-T-D) together in the absence of segregation shown for each function wise by P&ED as per their financial records made available.**

b) Repairs & Maintenance

Petitioner's submission:

The Hon'ble Commission had approved repair & maintenance expenses of Rs 10.46 Crores for the FY 2024-25 vide Tariff Order dated 15.03.2024. Repair &

maintenance expenses approved as above only relates to the distribution function. However, the audited accounts for department are not function wise hence, segregated actual repair & maintenance expenses for distribution function is not available. The actual repair & maintenance expenses provided below are total for the department as a whole.

It is submitted that in view of the fact that **the function wise segregated costs are not available and the audited costs are inclusive of the cost of generation & transmission function, P&ED Mizoram is not claiming the cost of generation & intra-state transmission charges separately.**

The Hon'ble Commission may kindly consider the above submission and true-up the repair & maintenance expenses for the FY 2024-25.

The approved repair & maintenance expenses and actual value of repair & maintenance expenses for FY 2024-25 is provided in the table below:

Table 5.12: Repair & Maintenance Expenses FY 2024-25

(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Repair & Maintenance expenses	10.46	16.24	42.54
	Total	10.46	16.24	42.54

Further, it is submitted that Rs 1.21 Crores out of Rs 42.54 Crores is paid to M/s. **Amazon Engineering** for Operation & Maintenance of **Khawiva SHP, Tuipui SHP, & Kau Tlabung SHP** & M/s **Assam Petrochemical Ltd.** for Operation & Maintenance of **Teirei SHP** for the FY 2024-25.

Commission Analysis:

The R&M expenses amount of Rs 42.54Cr includes an amount of Rs.1.21Cr (p.a) paid to M/s. Amazon Engineering & M/s Assam Petroleum as O&M Charges. These charges are paid to the leased companies towards O&M maintenance charges, but these charges were incurred by P&ED towards their Own SHP Generation Plants. Hence, these charges paid by P&ED were to be treated as generation charges and not under R&M expenses head. In addition, this year the R&M expenses spent was close to 50% more than Rs 28.70Cr

incurred in FY2023-24, but the submission did not clearly elaborate the reason for steep increase in expenses by 50% approx. particularly for this year.

The Reasons were called for once again in 3rd additional information queries on two specific items detailed below:

- 1) Charges of transmission of Rs.15Cr (round) figure in R&M Expenses and reasons for such huge amount spent.
- 2) Rs.31.23Lakhs spent for Lengpui Diesel set power house maintenance included in R&M expenses and the reason for passing it on to consumers despite the fact the energy it generates is not connected with the Grid and also the revenue anything yielding is not reflected in the annual accounts.

Reply on item-1 above: Initially, it was stated by P&ED that expenditure was incurred for preventive and breakdown maintenance, replacement of damaged components and restoration works necessitated by ageing assets and adverse weather conditions. The classification of transmission network expenses under R&M is as per accounting practice followed by P&ED. Later on, P&ED had given an altogether different version in their later submission that entire amount was spent as payment towards inter-State transmission charges to M/s.CTUIL for utilisation of the transmission network for drawal of such power without providing any authentic proof for making such huge amount spent and the obligation to pay was not supported by any verifiable documentary proof to justify the amount spent.

Detailed head-wise & expenditure item wise break-up on exact Rs.15Cr was provide by P&ED during the course of public hearing to Commission to verify its authenticity. The expenditure payment actually pertains to old arrears way back to FY2021-22 to 2023-24 except one item relevant to 2024-25. Details are tabulated below:

Sl. No.	Particulars	Amount paid by LOC	Remarks
1.	CTUIL monthly bill for Feb'24 and Mar'24	7,62,93,630	Paid on 13.06.2024
2.	CTUIL monthly bill for April 24	3,62,48,413	Paid on 13.06.2024
3.	CTUIL surcharge bill Feb'23 to March 2024	2,86,87,203	Paid on 24.10.2024
4.	CTUIL 2 nd bill (for Oct'22 to Dec'22 period)	87,70,754	Paid on 14.11.2024
	Grand Total	15,00,00,000	

As can be seen from the above table only sl No-2 with Rs.3,62,48,413/- is

relatable to FY2024-25 hence the same is added separately to inter-state transmission charges instead of showing under R&M expenses as classified by P&ED and other items amounting to Rs.11.3751Cr are also allowed fully for the sole reason that it pertains to past years for which no provision was made in the relevant previous years finalised accounts but the expenditure is undeniable from expenditure point of view.

Reply on item-2 above: Amount spent in order to maintain uninterrupted power supply to the airport in the larger interest of Public. The Lengpui Diesel plant is operated only during the grid outages or emergency situation, hence the low energy generation (0.024MU) does not reflect its operational significance. It was also replied by the P&ED that this plant is not connected to the State Grid and hence, the power from this plant is not consumed by the retail consumers at any given time. Thus, Commission feels that the maintenance cost of Rs.31.23 lakhs are borne by Lengpui Airport or else it need be adjusted by P&ED from the revenue receipts from Lengpui Airport for availing the said P&ED owned diesel set. But during the public hearing P&ED stated that this kind of expenditure is rarely incurred by P&ED to avoid any untoward power interruptions during the visit of high profile VIP visiting Aizawl, Mizoram on a short notice.

Hence, the Hon'ble Commission too felt it reasonable to allow and hence it can be passed on to retail consumers as a rare expenditure item once in a while.

Finally, the Commission approves an overall R&M expense at Rs.37.71Cr as claimed in FY 2024-25 for True-up purpose, considering the information made available by P&ED. The O&M amount of Rs.1.21Cr paid is treated as Generation cost spent for the leased out four (4) SHP plants to outsider for True-Up purpose instead of allowing it under R&M expenses.

c) Administration & General Expenses

Petitioner's submission

The Hon'ble Commission had approved Administration & General Expenses of Rs. 4.05 Crores for the FY 2024-25 vide Tariff Order dated 15.03.2024. Administration & General Expenses approved as above only relates to the distribution function. However, the audited accounts for department are not function wise hence, segregated actual Administration & General Expenses for

distribution function is not available. The actual Administration & General Expenses provided below is total for the department as a whole.

It is submitted that in view of the fact that **the function wise segregated costs are not available and the audited costs are inclusive of the cost of generation & transmission function, P&ED Mizoram is not claiming the cost of generation & intra-state transmission charges separately.**

The Hon'ble Commission may kindly consider the above submission and true-up the Administration & General Expenses for the FY 2024-25. The approved Administration & General Expenses and actual value of Administration & General Expenses for the FY 2024-25 is provided in the table below:

Table 5.13: Administration & General Expenses FY 2024-25

(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Administration & General Expenses	4.05	6.77	8.11
	Total	4.05	6.77	8.11

Commission's Analysis

The Commission observes that P&ED has incurred 50% more of administrative cost than what was actually incurred in FY2023-24 being Rs.4.27Cr. Upon observing the details from the audited accounts, it is noticed that higher amount of expenses was spent for two items namely Advertisements and Miscellaneous expenses significantly. The Reasons were called for in 3rd additional information queries on two specific items detailed below:

- a) **Rs.18.67 Lakhs of Advertisement expenses and Rs.5.65Cr of miscellaneous expenses forming part of Administrative and general expenses - Details of cost spent each expenditure head wise and the nature of expenses spent.**

Reply on above: The petitioner had not provided any verifiable expenditure break-up details for the spent amount of Rs.18.67Lakhs for advertisement costs in FY2024-25, while P&ED had spent only Rs.7.94 lakhs in previous year 2023-24. Again, in the case of Rs.5.65Cr spent under miscellaneous expenses classification under the broad head Admin & Genrl expenses. P&ED did not provide any head-wise & purpose-wise expenditure break-up of Rs.3.00Cr for Commissions to verify its need & authenticity. In the previous year 2023-24 it had incurred only Rs.2.05Cr against this item which is half the amount now

spent. The, Commission after thorough verification notice that expenditure amounting to Rs.3.00Cr was spent towards payment of Ex-gratia and Compensations to its consumers. Thus, after careful observation of the whole issue the commission had arrived at a conclusion to allow total Admn & Genrl Exps of Rs.8.11Cr (which comprises Rs.3Cr) as claimed, since the P&ED failed to provide liability provision in the past for the compensation payable but the purpose for which the amount was spent is considerable. The details for ex-gratia & compensation paid are tabulated below for record.

Sl. No.	Name of the Office	Month incurred	Amount paid	Remarks
1.	E-in-C	June 24	10,00,000	Payment of Ex-gratia
2.		July 24	3.50,000	--do-
3.		Nov'24	70,82,689	Compensation & Ex-Gratia
4.		Dec'24	50,80,000	--Do--
5.		Jan'25	18,50,000	Payment of Ex-gratia
6.		Feb'25	31,12,250	--Do--
7.		Mar'25	1,13,53,806	Compensation payment
	Grand Total		3,00,28,373	

b) O&M Expenses approved

Abstract of actual O&M Expenses approved by Commission are as detailed in the Table below.

Table 5.14: O&M Expenses approved by the Commission for true-up of FY 2024-25 (Rs. Cr)

Sl. No	Particulars	Amount
1	Employee Cost	185.37
2	R&M Expenses	37.71
3	Administration and General expenses	8.11
4	Total O&M Expenses approved	231.19

5.6.8. Depreciation

Petitioner's submission

The Hon'ble Commission had approved Depreciation of Rs 1.58 Crores for the FY 2024-25 vide Tariff Order dated 15.03.2024. The approved Depreciation and projection of 1% of the actual value of Depreciation as per the Fixed Asset & Depreciation Register for the FY 2024-25 is provided in the table below:

Table 5.15: Depreciation FY 2024-25**(In Rs. Crores)**

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	Depreciation	1.58	0.17	0.53
	Total	1.58	0.17	0.53

Commissions Analysis

As seen from the audited accounts (sch-19) of FY 2024-25 the total depreciation during the year is Rs.52.7784 Crores. It is observed that 1% of the depreciation is Rs.0.5278 Crore was preferred by P&ED as its expenditure is mostly funded with Capital grants received from Government (as can be seen from the table 5.16 below) and hence the 1% claim of the full depreciation amount is the only intention behind P&ED towards true-up purpose notionally. Thus, same amount of Rs.0.5278Crs is allowed for True-up purpose.

Table 5.16: Capital Asset Grants used for Assets Creation

Item details (P&ED)	2024-25	2023-24	2022-23	2021-22	2020-21	2019-20
	Rs. Crs	Rs. Crs	Rs. Crs	Rs. Crs	Rs. Crs	Rs. Crs
Op. Balance of Capital Subsidy (Sch-34)	2690.29	2615.70	2560.03	2491.76	2432.15	2225.01
Add: Additions during the year	20.6918	74.5938	55.67	68.28	59.61	207.14
Total Capital Subsidy -- (A)	2710.99	2690.29	2615.70	2560.03	2491.76	2432.15
Original Cost of Fixed Assets (Sch-19) (B)	1695.73	1607.95	1576.11	1422.11	1379.16	1294.02
Excess Capital Subsidy over OCFA (B-A)	1015.26	1082.34	1039.59	1137.92	1112.59	1138.13
OCFA upon Capital subsidy (%) - (B/A)	62.55%	59.77%	60.26%	55.55%	55.35%	53.20%

As the Capital subsidy is always more than OCFA figure so far, thus Commission accordingly approves 1% as nominal depreciation Rs.0.5278Crs (i.e., 1% of Rs.52.7784Crs) for true-up purpose out of the total depreciation of FY2024-25. It is also a well-known fact that the depreciation is a non-cash item and any reduction in this amount will no way affects the P&ED financially in anyway but certainly benefits the Consumers in the form of lesser tariff burden.

5.6.9. Interest & Finance Charges

The interest & finance charges approved for the FY 2024-25 and actual value of interest & finance charges made by the P&ED Mizoram for the FY 2024-25 is provided in the table below:

Table 5.17: Interest & Finance Charges FY 2024-25**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Interest & Finance Charges	0.00	0.00	0
	Total	0.00	0.00	0.00

Commissions Analysis:

The Interest and Finance charges payable by P&ED during FY 2024-25 is nil towards Borrowed Loan from outside agencies/lenders. The interest amount was not charged to P&L A/c. *But, in reality, it is not actually paid but only created an outstanding liability provision for the accrued interest as a book-entry adjustment and getting reimbursement from consumers.* The Interest being claimed in the annual accounts is not being paid but shown as outstanding liability even for the amount relating to earlier (past) years also. Since the liability is not discharged, the entire amount shall not be allowed even in the True-up exercise and the same will only be considered for reimbursement when actually paid in future with proof of payment.

Therefore, no interest amount pertaining to FY2024-25 is allowed now and it will only be allowed when they were actually discharged in full to the utilities concern and produce the proof of payment in future true-up for Commission's reference.

5.6.10. Interest on Working Capital**Petitioner's submission**

P&ED has followed the same methodology applied in the Tariff Order dated 24.03.2025 & does not claimed any amount relates to Interest on Working Capital. The Interest on Working Capital as approved for the FY 2024-25 and actual value of Interest on Working Capital for the FY 2024-25 is provided in the table below:

Table 5.18: Interest on Working Capital FY 2024-25**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	Interest on Working Capital	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commissions Analysis:

As per the MYT Regulation 2014, the interest on working capital is a permissible element of ARR expenditure as per the following relevant provision:

- (i). As per regulation 29(4) of JERC for Manipur and Mizoram (MYT) Regulations 2014 the distribution licensee shall be allowed on estimated level of working capital computed as follows:
 - a) O&M Expenses for one month; plus
 - b) Maintenance of spares at 1% of historical cost escalated at 6%; plus
 - c) Receivables equivalent to one month from sale of electricity at prevailing tariff minus.
 - d) **Amount hold as Security deposit under clause (a) and (b) of sub-section (1) of 47 of the Act**, from consumers except security deposit held in the form of Bank guarantee.
 - e) Interest shall be allowed at a rate equal to the State Bank Advance Rate (SBAR) as on 1st April of this financial year in which the petition is filed.

It is thoroughly observed that so far P&ED had not drawn any kind of working capital loan during the entire financial year of 2024-25 or was there any history of such loans being drawn in the past. Moreover, the P&ED while arriving at the working Capital requirement (form-F4, page 89 of Formats) is ignoring the Consumer security deposit (CSD) possessed by them to the tune of Rs.48.2932Crs in FY 2024-25 (Schedule-27 of Audited Balance sheet), though the regulation had provided for it but still it prefers to claim higher amount in the form of interest on working capital ignoring CSD.

Thus, Commission feels that admitting of interest on Working Capital would only be an additional burden on retail consumers since no such expenditure was ever incurred by P&ED and was fully dependent upon and availing required funding from the State government itself for their day-to-day routine operations.

Hence, no detailed calculation need be made afresh for this purpose in FY 2024-25 and **no amount is allowed** for true-up under this head now and even in future also if the same situation prevails.

5.6.11. Provision for Bad Debts**Petitioner's submission:**

The Hon'ble Commission did not approve Provision for Bad & Doubtful Debt for the FY 2023-24 and actual provisions made in the Accounts for the FY 2024-25 is also nil.

Table 5.19: Provision for Bad & Doubtful Debt FY 2024-25**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Provision for Bad Debt	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's Analysis:

The Commission also approves NIL bad debts provision for FY2024-25.

The Licensee shall therefore make some useful and Special Intensive drive efforts for more revenue recoveries from its defaulting consumers. It is very much desired that the P&ED shall make this effort assiduously and see that the dues are promptly collected from consumers to avoid financial crunch during any part of the financial year in future.

5.6.12. Non-Tariff Income/Other Incomes**Petitioner submission:**

The Other Income approved and actual value of other income made by the P&ED Mizoram for the FY 2024-25 is provided in the table below:

Table 5.20: Non-Tariff Income FY 2024-25**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated. 24.03.2025	As per Accounts
1	2	3	4	5
1	Non-Tariff Income	11.96	10.78	8.77
	Total	11.96	10.78	8.77

Commission Analysis:

The Commission in its Tariff Order dated 15.03.2024 had approved for Rs.11.96Crs as Non-tariff Income for the FY 2024-25. While, as per the annual account received Rs.8.77Crs under this head and hence the same amount is considered in true-up now by the Commission.

Efficiency gains improvement was already shown as Rs.2.00Cr in Tariff Order of FY2024-25. In view of the revenue surplus indicated in the True-Up filing for FY2024-25, it is considered that the P&ED had performed and achieved it and hence it is considered as **Zero amount** for True-Up purpose.

Contribution to Contingency Reserve Fund: The Commission dispensed with allowing the amount for this purpose, as in the past the amounts allowed were not invested but transferred to Govt treasury. **Therefore, no amount is considered even in the True-up finalisation.**

True-Up surplus pertains to FY2022-23: An amount of Rs.15.13Cr surplus pertaining to FY2022-23 was considered in Tariff Order for FY2024-25, the amount will now be recovered in the process of true-up finalisation.

5.6.13. Return on Equity

The Hon'ble Commission did not approve return on equity for FY 2024-25. No provision for the return on equity is made in the Accounts by the P&ED Mizoram for FY 2024-25.

Table 5.21: Return on Equity FY 2024-25

(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Return on Equity	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission Analysis:

Since P&ED is a Government Department with no equity component in their Annual Audited Accounts, the **Return on Equity is not allowable** and hence not considered for FY 2024-25 by the Commission. This kind of similar treatment would continue so long there is no Equity Capital stake in the P&ED financial structure.

5.6.14. Revenue from sale of Power**Petitioner Submission:**

The revenue from sale of power approved for the FY 2024-25 vide Tariff Order dated 15.03.2024 and actual value of revenue from sale of power for the FY 2024-25 is provided in the table below:

Table 5.22: Revenue from Sales of Energy during FY 2024-25**(In Rs Crores)**

Sl. No.	Category	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
	LT Consumers			
1	Kutir Jyoti	2.06	2.05	2.48
2	Domestic	195.91	191.26	208.47
3	Non-Profit Public Purpose	17.59	11.78	13.06
4	Commercial	40.89	43.30	38.47
5	Public Lighting	3.25	3.54	4.05
6	Public Water Works	7.88	0.34	1.06
7	Agriculture	0.02	0.03	0.05
8	Industrial	2.48	2.46	2.40
9	Electric Vehicle Charging	0.86	0.00	0.00
	Total LT	270.94	254.77	270.03
	HT Consumers			
10	Domestic	2.52	1.61	1.56
11	Non-Profit Public Purpose	5.14	8.26	7.30
12	Commercial	15.59	19.49	18.15
13	Agriculture	0.81	0.02	0.09
14	Public Water Works	113.58	123.84	116.89
15	Industrial	13.61	16.75	7.02
16	Electric Vehicle Charging	0.99	0.00	0.00
17	Bulk Supply	14.23	13.44	10.40
	Total HT	166.47	183.40	161.42
18	Total LT & HT	437.41	438.17	431.46
19	Outside State - Trading	95.56	105.04	91.89
	Total	532.97	543.21	523.34

Commission's Analysis:

The revenue realisation from retail consumers for FY 2024-25 so tabulated by P&ED above is also adopted by the Commission with one adjustment relating to Outside State Sales amount of Rs 91.89Cr as it includes the under-drawl compensation revised amount of Rs.15.024Cr (as per additional information replies, instead of initial value of Rs.15.024Cr) against the quantum of 80.46478MU. Thus, the Outside State Sales revenue amount

would be considered at Rs.76.87Cr after adjusting the UI under drawl compensation of Rs.15.024Cr in the power purchase cost.

But the compensation received was treated as revenue realised from Outside state sales by P&ED. The same is now reversed by deducting the U/D compensation from sales value to properly depicting in the actual power purchase cost finally and the boosted OSS sales value is depicted to a realistic value of Rs.76.87Cr (i.e.Rs.91.89crs - Rs.15.024Cr) (refer table-5.24).

Detailed revenue realised comparison table is placed below for reference.

Sl. No.	Consumer Category (FY 2024-25)	As per Accounts	As per Commission
	LT Consumers	Rs.Crs	Rs.Crs
1	Kutir Jyoti	2.48	2.48
2	Domestic	208.47	208.47
3	Non-domestic	13.06	13.06
4	Commercial	38.47	38.47
5	Public Lighting	4.05	4.05
6	Public Water Works	1.06	1.06
7	Agriculture	0.05	0.05
8	Industrial (LT)	2.40	2.40
9	Electric Vehicle Charging	0.00	0.00
	Total LT	270.03	270.03
	HT Consumers		
9	Domestic	1.56	1.56
10	Non-Domestic	7.30	7.30
11	Commercial	18.15	18.15
12	Public Water Works	116.89	116.89
13	Agriculture	0.09	0.09
14	Industrial	7.02	7.02
15	Electric Vehicle Charging	0.00	0.00
16	Bulk Supply	10.40	10.40
17	Theft & Pilferage	---	---
	Total HT	161.42	161.42
	Grand Total	431.46	431.46

However, the Commission approves the same revenue amount from retail sale of energy at Rs.431.46 Crores during FY 2024-25 based on the details made available by P&ED for Commission scrutiny for true-up purpose.

5.7. True-UP of ARR

Petitioner's submission:

It is submitted that in view of the fact the function wise segregated costs are not available and the audited costs are inclusive of the cost of generation & transmission function, P&ED Mizoram is not claiming the cost of generation & intra-state transmission charges separately.

The Annual Revenue Requirement approved and actual value of Annual Revenue Requirement for the FY 2024-25 is provided in the table below:

Table 5.23: True up of ARR FY 2024-25

(In Rs Crores)

Sl. No.	Item of Expense	Approved in T.O. dated 15.03.2024	Approved in T.O. dated 24.03.2025	As per Accounts
1	2	3	4	5
1	Cost of Fuel	0.00	0.00	0.00
2	Cost of Generation	9.16	5.74	0.00
3	Cost of Power Purchase	494.78	478.08	502.51
4	Transmission Charges	57.93	55.01	52.89
2	Intra-state Transmission Charges	45.74	25.74	0.00
3	Employee Costs	135.59	122.97	185.37
4	R&M Expenses	10.46	16.24	42.54
5	Administration and General Expenses	4.05	6.77	8.11
6	Depreciation	1.58	0.17	0.53
7	Interest charges	0.00	0.00	0.00
8	Interest on Working Capital	0.00	0.00	0.00
9	Provision for bad debts	0.00	0.00	0.00
10	Return on NFA /Equity	0.00	0.00	0.00
11	Contrn to Contin/Reserve Fund	0.00	0.00	0.00
12	Total Revenue Requirement	759.29	710.72	791.95
13	Less: Non-Tariff Income	11.96	10.78	8.77
14	Less: True-Up Surplus 2022-23	15.13	15.13	15.13
15	Less: Efficiency Gains	2.00	0.00	0.00
16	Net Revenue Requirement	730.20	684.81	768.05
17	Less: Revenue from Sale of Power	532.97	543.21	523.34
18	Gross Revenue Surplus/(Gap/Deficit)	-197.23	-141.60	-244.71
19	Less: Revenue Subsidy and Grant from State Govt.	197.23	197.23	355.56
20	Net Revenue Surplus/(Gap/Deficit)	0.00	55.63	110.85

It is prayed that the Hon'ble Commission may kindly consider the above submission and approve the Aggregate Revenue Requirement and Gap for the FY 2024-25.

Commission Analysis:**Table 5.24: Aggregate Revenue Requirement approved for true-up**

(Rs.Crs)

Sl. No.	Items of ARR Expense FY 2024-25	Approved in T.O dt 15.03.24	As per True-UP filings	Commission Approved
1	Cost of Fuel	0.00	0.00	0.00
2	Cost of Generation	9.16	0.00	1.21
3	Cost of Power Purchase	494.78	502.51	481.54
4	Transmission Charges (CTU)	57.93	52.89	56.51
5	Intra-State Transmission Charges	45.74	0.00	0.00
6	Employee Costs	135.59	185.37	185.37
7	R&M Expenses	10.46	42.54	37.71
8	Admin& General Expenses	4.05	8.11	8.11
9	Depreciation	1.58	0.53	0.5278
10	Interest charges	--	0.00	0.00
11	Interest on Working Capital	--	--	0
12	Provision for bad debts	--	--	0
13	Return on NFA /Equity	--	--	0
14	Contingency Reserve Contribution.	--	--	0.00
15	Total Revenue Requirement	759.29	791.95	770.97
16	Less: Non-Tariff Income	11.96	8.77	8.77
17	Less: FY2022-23 true-up surplus	15.13	15.13	15.13
18	Less: Efficiency Gains	2.00	--	Nil
19	Net Revenue Requirement	730.20	768.05	747.07
20	Less: Revenue from revised Tariff	437.41	431.46	431.46
	Less: Revenue from IEX/OSS sales	95.56	91.89	76.87
21	Gross Revenue Deficit	197.23	244.71	238.75
22	Less: Revenue Subsidy from Govt.	197.23	355.56	355.56
23	Net Revenue Gap /(surplus) (21-22)	Nil	-110.85	-116.81

5.8. Revenue gap/surplus after true up:

It is interesting to note that the P&ED had only considered the entire subsidy amount of Rs.355.56 Crore that was shown under schedule-4 of the Audited Balances Sheet. Accordingly, the organisation has attained a considerable surplus financial status to the tune of **Rs.116.81Crs.** which was properly reflected in the True-Up finalisation now.

As per regulation 13.1(i) of the JERC Tariff Regulations, 2014 (as adopted by MZERC), one-third ($\frac{1}{3}^{rd}$) of the gain amount of **Rs.38.94 Crs** shall be passed on as a rebate in the ARR of FY 2026-27 to all the consumers in the

tariff fixation process.

Eventually, Rs.38.94Cr being one-third ($\frac{1}{3}^{\text{rd}}$) portion of the surplus amount of Rs.116.81Cr will now be passed on as a rebate in the ARR amount for FY 2026-27 as per the Tariff Regulation above cited. The remaining $\frac{2}{3}^{\text{rd}}$ (two-third) portion of Rs.77.87Cr surplus is kept at the exclusive disposal of the P&ED for any of its useful purpose by retaining it with them instead of remitting it back to Government Treasury. By doing so it may lose its identity to trace back for amount any time in future.

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6. Annual Performance Review (APR) for FY2025-26

6.1. Back ground

Petitioner's Submission:

Multi Year Tariff Order for the control period of 5 years from FY 2023-24 to FY 2027-28 was issued by the Hon'ble Commission vide order dated 28.03.2023 under the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 read with First Amendment Regulations, 2019.

The Hon'ble Commission determined the Aggregate Revenue Requirement for the FY 2023-24 to FY 2027-28 & Tariff for the FY 2023-24 vide Order dated 28.03.2023. Further, Tariff Order for the FY 2025-26 was issued vide Order dated 24.03.2025.

Regulation 5.2 (iii) of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 provides as follows:

"In case of Mid-term Review of Business Plan under Regulation 4.2 (i), the Petition shall comprise of:

- a. Truing Up for previous year;*
- b. Modification of the ARR for the remaining year of the Control Period, if any, with adequate justification for the same;*
- c. Revenue from the sale of power at existing tariffs and charges for the ensuing year;*
- d. Revenue gap for the ensuing year calculated based on ARR approved in the MYT Order and truing up for the previous year;*
- e. Application for determination of tariff for the ensuing year."*

Further, the Hon'ble Commission notified the First Amendment Regulations, 2019 is as follows:

"5.2 The filing of the Control Period under these Regulations shall be as under.

(i).....

(ii) From the second year of the Control Period onwards and upto the last year of the Control Period, the petition in each year shall comprise of:

- a. Truing Up for the previous year with audited accounts, and Annual Performance Review (APR) with revision of ARR approved in MYT Order for current year and revised projection of ARR approved in MYT Order for the ensuing year in accordance with these Regulations;*
- b. Revenue from the sale of power at existing tariffs and changes for the current year;*
- c. Revenue gap for the ensuing year calculated based on the revised projection of ARR and truing up of the previous year;*
- d. Application for determination of tariff for the ensuing year.”*

Further, the Hon’ble Commission had directed the P&ED Mizoram to file APR for the current Financial Year ie., FY 2025-26 along with the Tariff Petition for the next Financial Year ie., FY 2026-27.

In compliance with the above directive of the Hon’ble Commission, P&ED Mizoram is submitting the present petition for Review of FY 2025-26.

P&ED Mizoram requests the Hon’ble Commission to carry out the Review for the FY 2024-25 in accordance with the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 read with First Amendment Regulations, 2019.

Data given in this chapter is for the entire year i.e. FY 2025-26.

6.2. Energy Sales

It is submitted that the P&ED Mizoram has revised the projection of number of consumers, connected load & energy sales for the FY 2025-26 based on the audited actual figures of the FY 2024-25 and the actuals for the FY 2025-26 H1 (1st Half Year). The CAGR for the 3 years, 2 years and 1 year has been computed and appropriately applied to arrive at the revised number of consumers, connected load & energy sales for the FY 2025-26. This has been done as there was variation between the approved figure and the revised estimates of sales for the FY 2025-26. The details of projections are provided in the subsequent sections.

6.3. Number of Consumers

The estimates of category wise number of consumers have been revised based on the audited actual figures of the FY 2024-25 and the actuals for the FY 2025-26 (H1). The CAGR for the 3 years, 2 years and 1 year has been computed and appropriately applied to arrive at the revised number of consumers. Based on the

audited actuals of FY 2020-21 to FY 2024-25, the growth rate of number of consumers and the revised number of consumers is detailed in the table below.

Table 6.1: Category-wise Growth in Number of Consumer FY 2025-26

Sl. No.	Category	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	CAGR for 3 Years	CAGR for 2 Years	CAGR for 1 Year	Considered	FY 2025-26
1	KJ(Domestic)	21834	17441	17274	17042	-7.93	-1.15	-1.34	-	17042
2	Domestic LT	231040	243058	251553	259772	3.98	3.38	3.27	3.98	270111
3	Domestic HT	22	11	11	9	-25.77	-9.55	-18.18	-	9
	Total Domestic	252896	260510	268838	276823					287162
4	Non-Profit Public Purpose LT	7742	8212	8640	8974	5.05	4.54	3.87	5.05	9427
5	Non-Profit Public Purpose HT	17	55	62	63	54.75	7.03	1.61	1.61	64
	Total Non-Profit Public Purpose	7759	8267	8702	9037					9491
6	Commercial LT	12646	13176	13804	13979	3.40	3.00	1.27	3.40	14454
7	Commercial HT	339	497	519	568	18.77	6.90	9.44	6.90	607
	Total Commercial	12985	13673	14323	14547					15061
8	Public Lighting	1316	520	698	801	-15.25	24.11	14.76	2.00	817
9	PWS LT	11	177	10	11	-	-75.07	10.00	5.00	12
10	PWS HT	70	55	73	75	2.33	16.77	2.74	2.33	77
11	Agl LT	37	52	66	97	37.89	36.58	46.97	2.00	99
12	Agl HT	3	23	7	7	32.64	-44.83	-	-	7
13	Industrial LT	1023	1027	1031	1021	-0.07	-0.29	-0.97	2.00	1041
14	Industrial HT	16	26	27	28	20.51	3.77	3.70	3.77	29
15	Bulk Supply HT (Incl. Temp.)	212	159	156	149	-11.09	-3.20	-4.49	-	149
	Grand Total	276328	284489	293931	302596					313945

Commission analysis:

The Commission has noted that there is reduction in overall number of consumers in APR figures as against the values stated in the Tariff Order figures for 2025-26. The earlier total consumer figure was at 324698, while it was drilled down in the fresh projection to 313945. In the projection Electric Vehicle charging category was not considered into account. Instead of catering to more, the consumers are reduced a bit is unacceptable and hope this has no reflection on the consumer services being extended by the entity. This aspect needs more attention.

6.4. Connected Load.

The estimates of category wise connected load have been revised based on the audited actual figures of the FY 2024-25 and the actuals for the FY 2025-26 (H1).

The CAGR for the 3 years, 2 years and 1 year has been computed and appropriately applied to arrive at the revised connected load. Based on the audited actuals of FY 2021-22 to FY 2024-25, the growth rate of connected load and the revised connected load is detailed in the table below.

Table 6.2: Consumer Category-wise Growth in Connected Load FY 2025-26

Sl. No.	Category	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	CAGR for 3 Years	CAGR for 2 Years	CAGR for 1 Year	Considered	FY 2025-26
1	KJ(Domestic)	5.38	4.49	5.29	4.90	-3.01	4.56	-7.21	4.56	5.13
2	Domestic LT	303.82	313.46	322.03	334.07	3.22	3.24	3.74	3.22	344.83
3	Domestic HT	4.51	2.10	2.08	2.06	-23.02	-1.00	-1.13	-	2.06
	Total Domestic	313.70	320.05	329.40	341.04					352.02
4	Non-Profit Public Purpose LT	17.10	94.42	18.87	20.01	5.37	-53.96	6.04	5.37	21.09
5	Non-Profit Public Purpose HT	2.81	10.00	11.40	10.97	57.53	4.76	-3.75	4.76	11.50
	Total Non-Profit Public Purpose	19.91	104.42	30.27	30.99					32.58
6	Commercial LT	42.47	42.11	43.47	42.53	0.04	0.49	-2.18	0.49	42.73
7	Commercial HT	17.23	15.88	18.06	18.74	2.84	8.63	3.74	2.84	19.27
	Total Commercial	59.70	58.00	61.54	61.27					62.01
8	Public Lighting	1.29	0.99	1.34	1.54	6.27	25.16	15.37	6.27	1.64
9	PWS LT	0.96	1.21	0.73	2.85	43.82	53.86	288.76	5.00	3.00
10	PWS HT	55.15	44.48	40.12	38.70	-11.13	-6.72	-3.53	-	38.70
11	Agl LT	0.08	0.07	0.09	0.18	32.18	61.31	98.74	5.00	0.19
12	Agl HT	0.21	4.54	0.26	0.22	1.93	-78.02	-15.68	1.93	0.22
13	Industrial LT	11.68	5.08	4.87	4.87	-25.27	-2.08	0.06	2.00	4.97
14	Industrial HT	5.89	8.29	8.92	9.81	18.54	8.81	10.07	5.00	10.30
15	Bulk Supply HT (Incl. Temp.)	18.38	17.47	16.96	15.96	-4.60	-4.42	-5.91	-	15.96
	Grand Total	486.95	564.57	494.50	507.44					521.59

Commission Analysis:

Why the P&ED is attempting to re-project for year (FY 2025-26) that is coming to an end. Instead, they must adopt this technique to estimate the probable values for FY 2026-27 instead of making an analysis for the values pertaining to a year that is almost coming to completion. The new projection is lower figure of 521.59MWs than the Tariff Order approved connected load of 547.941MWs. This higher value projection is made during Tariff Order time will have the impact of higher fixed charges-based revenue than it could yield. The precision in the estimation is not robust in the ARR filing proposals.

6.5. Category wise sales

Petitioner's submission:

The estimates of category wise sales have been revised based on the audited actual figures of the FY 2024-25, the actuals for the FY 2025-26 (H1) and the revised number of consumers & connected load as detailed above. Further, CAGR for the 3 years, 2 years and 1 year has been computed and appropriately applied to arrive at the revised sales. Based on the audited actuals of FY 2021-22 to FY 2024-25, the growth rate of sales and the revised sales is detailed in the table below.

Table 6.3: Consumer Category-wise Growth in Energy Sales FY 2025-26

Sl. No	Category	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	CAGR for 3 Years	CAGR for 2 Years	CAGR for 1 Year	Considered	FY 2025-26
1	KJ(Domestic)	5.63	4.88	4.81	5.34	-1.79	4.58	10.91	4.58	5.58
2	Domestic LT	276.95	291.22	304.83	308.41	3.65	2.91	1.17	3.65	319.66
3	Domestic HT	3.29	2.23	1.33	1.56	-22.00	-16.32	17.50	5.00	1.64
	Total Domestic	285.87	298.32	310.97	315.30					326.88
4	Non-Profit	8.68	11.7	12.1	14.5	18.6	10.8	19.5	5.0	15.23
5	Non-Profit	12.8	3.98	6.72	6.56	-	28.4	-	5.0	6.89
	Total Non-Profit Public	21.5	15.7	18.8	21.0					22.11
6	Commercial LT	35.1	38.8	41.6	42.3	6.4	4.4	1.5	4.4	44.25
7	Commercial HT	12.7	13.1	16.0	16.5	9.0	12.3	3.5	3.5	17.18
	Total	47.8	51.9	57.7	58.9					61.43
8	Public Lighting	2.35	2.48	2.70	2.54	2.66	1.18	-5.87	2.66	2.61
9	PWS LT	6.20	6.32	0.22	0.49	57.02	72.08	120.17	5.00	0.52
10	PWS HT	74.34	89.64	95.34	95.14	8.57	3.03	-0.20	3.03	98.03
11	Agl LT	0.05	0.05	0.07	0.16	45.88	80.21	114.14	5.00	0.16
12	Agl HT	0.09	1.01	0.20	0.16	20.01	-60.87	-22.95	5.00	0.16
13	Industrial LT	2.54	2.44	2.47	2.71	2.24	5.42	10.05	5.42	2.86
14	Industrial HT	7.04	10.98	13.57	6.54	2.44	22.81	51.78	5.00	6.87
15	Bulk Supply HT (Incl. Temp.)	16.37	14.11	13.39	12.23	-9.25	-6.88	-8.62	-	12.23
	Grand Total	464.27	493.08	515.50	515.28					533.86

The above table reflects the category wise CAGR for three years, two years and one year. Depending on the trend of the growth in individual categories over the period of three years, two years and one year, CAGR has been applied and the same is reflected in the column 10 of the above table. Accordingly, category wise revised sales estimate for the FY 2025-26 has been arrived.

Further, there has been substantial variations have been observed in the energy sales for other categories as well in the H1 of the FY 2025-26 which shall have substantial impact on the revenue & gap for the FY 2025-26.

In view of the above, category wise revised sales estimate is proposed for the consideration and approval of the Hon'ble Commission. The comparison of category wise revised sales estimate and the sales approved by the Hon'ble Commission for the FY 2025-26 is provided in the table below.

Table 6.4: Energy Sales FY 2025-26

(In MUs)

Sl. No.	Category	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
	LT Consumers			
1	KJ (Domestic)	6.85	5.30	5.58
2	Domestic	336.64	336.08	319.66
3	Non-Profit Public Purpose	10.93	13.38	15.23
4	Commercial	38.94	47.58	44.25
5	Public Lighting	2.90	3.10	2.61
6	Agriculture	0.06	0.08	0.16
7	Public Water Works	7.54	0.25	0.52
8	Industrial	3.09	2.72	2.86
9	Electric Vehicle Charging	0.00	0.00	0.00
	Total LT	406.95	408.49	390.87
	HT Consumers			
10	Domestic	3.99	1.46	1.64
11	Non-Profit Public Purpose	15.61	7.41	6.89
12	Commercial	15.55	17.66	17.18
13	Agriculture	0.11	0.22	0.16
14	Public Water Works	90.96	107.85	98.03
15	Industrial	8.56	16.41	6.87
16	Electric Vehicle Charging	0.00	0.00	0.00
17	Bulk Supply	19.90	14.76	12.23
	Total HT	154.68	165.79	143.00
18	Total LT & HT	561.62	574.28	533.86
19	Outside State - Trading	90.58	96.49	303.97
	Total	652.20	670.77	837.83

Commission's Analysis

The estimations made for FY 2025-26, should have been extrapolated for FY 2026-27 which is the year of concern and not for the year under annual review and

which is about to conclude by the time this order is issued. But there are no traces of adopting this method in deriving the annual sales for FY 2026-27 is not stated anywhere in the filing submission is not comprehensible. The purpose of this is not much of any use. Excluding the Outside Sales units the trend in all other category sales is in the declining mode by reducing to 533.86MU from Tariff Order figure value of 574.28MU. This shows there is no active inducement adopted by P&ED department to encourage the energy consumption especially in HT category. There is lot of scope to encourage the Electric Vehicle charging stations in LT & HT categories, but the resultant effect is almost zero improvement in such consumption.

6.6. Distribution Loss for FY 2025-26

Petitioner's submission:

The distribution loss trajectory approved by the Hon'ble Commission for the FY 2025-26 & the estimated distribution loss considered by the P&ED Mizoram for the FY 2025-26 is provided in the table below. However, actual distribution loss shall be submitted for consideration of the Hon'ble Commission for Truing-up after the end of the financial year when the accounts are audited.

Table 6.5: Distribution Loss for FY 2025-26

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Distribution Loss	20.67%	25.00 %	25.00%

Commissions Analysis:

The RDSS based agreed loss information when called for the copy of letter issued by MoP vide its Letter No.12/11(01)/2021-UR&SI-II (263835) Dt.21.03.2023 was provided for verification during the finalisation this year Tariff Order. The following are the Loss trajectory fixed under the RDSS scheme:

Scheme period of RDSS	2021-22	2022-23	2023-24	2024-25
AT&C Losses	24.00%	21.00%	17.50%	14.00%

Strictly basing on the above finalised loss trajectory, the losses for FY2025-26 should have been at or below this 14% level. But the P&ED have achieved 28.01% losses (twicer than the set level) in FY2024-25 itself. Consequently, the

losses for FY 2025-26 were approved by the Commission at 25% in the Tariff Order for FY2025-26. As the Licensee have stated the losses (for distribution) are at 25% even in APR filing now. Now at this juncture (almost at the fag-end of FY2025-26) Commission can't alter the losses to any other value as there is no useful purpose by modifying and indicating any new value.

The Licensee must own the responsibility for the under-performance if any below 25% and hence, the losses cannot be passed on to consumers beyond 25% level in the True-up finalisation.

6.7. P&ED's Own Generation & Solar Generation

Petitioner's submission:

The P&ED Mizoram's own generation approved by the Hon'ble Commission for the FY 2025-26 & the estimated own generation considered by the P&ED Mizoram for the FY 2025-26 is provided in the table below:

Table 6.6: P&ED Mizoram's Own Generation FY 2025-26

(In MUs)

Sl. No.	Particulars	Approved in T.O.dt 28.03.2023	Approved in T.O dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Total Generation (Net)	31.07	37.08	34.99
	Total	31.07	37.08	34.99

It is submitted that Amazon Engineering have been undertaking Operation & Maintenance (O&M) of Khawiva SHP, Tuipui SHP & Kau Tlabung SHP and Assam Petroleum Ltd. have been undertaking Operation & Maintenance (O&M) of Teirei SHP on behalf of P&ED Mizoram . Further, the Installed Capacity & energy generation is included in the books of P&ED Mizoram. **The net generation of 0.02 MUs for Lengpui Project & 1.38 MUs for State Solar Generation is included in the total net generation of 34.99 MUs.**

Commission's Analysis

As seen from the present APR filing submission by P&ED, the Own generation total gross capacity is at 38.85 MW which includes 0.50MW of Lengpui diesel set and the four leased out plants also. During the last year filing the **Kawlhem SHP-**

4MWs plant which was commissioned on 15th December 2022 was also included in the installed capacity for FY2025-26. Thus, the total installed capacity rose to 38.85MWs including the Serlui-B station constantly awaiting Commercial Operation and the Lengpui diesel set. But in the energy procurement, the generation output from Lengpui plant needs to be excluded in the above 34.99MU to make it as 34.97MU only.

This figure of 34.97MU is comprising of State Own SHPs of 31.59MU (excluding the Lengpui energy) and the State solar Generation of 1.38MU. The details of the plants included in Solar Generation considered during the year are as follows:

Sl. No.	Solar Plants details for FY2025-26	Energy Units (in MUs)
1.	SPV Solar Plant at KHAWIVA	--
2.	Roof-Top SPV at KAWLPHETHA Building Office.	--
3.	SPV Solar Plant at SIHHMUI	0.06
4.	SPV Solar Plants at MELRIAT	0.03
5.	Solar plant, TLUNGVEL	1.28
	Grand total of Solar Generation	1.37

After having observed carefully, leaving aside the three (3) plants O&M operations are handled to M/s. Amazon Engineering PVT Ltd and the one Teirei-3MWs SHP other by M/s. Assam Petroleum Ltd, the effectively remaining SHPs in P&ED's own operation are only the following plants tabulated below with installed capacity of 26MWs only but not the grand figure of 38.35MWS as because there are some aged-old plants with installed capacity of 4.80MWs which are not generating any power and the Lengpui diesel set with 0.50MW capacity which was not connected to State Grid at all.

The following table will clearly depict the power stations installed capacity now in effective operation.

Sl. No.	SHP Name	Inst. Cap (MWs)	COD Date	Present Plant Status
A - SHP Power Plants not Generating Power				
1.	Serlui-A SHP	1.00	24.04.1984	Out of Commission
2.	Tuirivang SHP	0.30	14.08.1989	---- do ----
3.	Tuipanglui SHP	3.00	17.12.2004	No generation
4.	Lamsial SHP	0.50	26.08.2008	---- do ----
5.	Lengpui (diesel)	0.50	No data	Not connected to Grid
	Subtotal (A)	5.30		Nil Energy

Sl. No.	SHP Name	Inst. Cap (MWs)	COD Date	Present Plant Status
B – Effectively Power generating Own Small Hydro Plants (SHP) stations				
6.	Maicham-I	2.00	05.01.1996	Generating power
7.	Maicham-II	3.00	11.11.2009	-- do --
8.	Tlawva	5.00	13.05.2022	---- do ----
9.	Kawlhem	4.00	15.12.2022	---- do ----
10.	Serlui-B	12.00	Awaiting COD	Infirm power
	Subtotal (B)	26.00	Power Generated by P&ED	
C - SHPs managed by Outside Agencies				Pvt Agency name
11.	Khawiva SHP	1.05	08.12.1988	Amazon Engg.
12.	Tuipui SHP	0.50	15.12.1991	-- do --
13.	Kau-Tlabung SHP	3.00	05.05.2005	-- do --
14.	Teirei SHP	3.00	12.10.1999	Assam Petroleum
	Subtotal (C)	7.55		
Grand Installed Capacity		38.85	Installed Capacity adopted in ARR	

The net energy generated by both M/s. Amazon Engineering & M/s. Assam Petroleum companies on behalf of P&ED has intimated in response to additional information is 8.95MU during FY2025-26. Thus, the Own generation by P&ED from the remaining SHPs is about **24.64MU includes Serlui-B output also**. Each Station wise energy generated by these four (4) plants managed by outside agencies namely M/s. Amazon Engineering & M/s. Assam Petroleum Ltd during FY 2025-26 is tabulated below for a glance.

Sl. No.	SHP plants Managed by Outside Agencies	Installed Capacity (MW)	Net Generation in (MUs)
1	Khawiva (M/s.Amazon Engg.)	1.05	1.36
2	Tuipui (M/s.Amazon Engg.)	0.50	0.05
3	Kau-Tlabung (M/s/. Amazon Engg.)	3.00	7.29
4	Teirei (M/s.Assam Petroleum)	3.00	0.25
	Grand Total	7.55	8.95

Three (3) plants are maintained by M/s. Amazon Engineering and one (1) plant by M/s. Assam petroleum were all bunched-up and included in P&ED Own generation capacity in FY 2025-26. In reality, these plants are being managed by two (2) outside agencies as stated above for which the P&ED had paid **Rs. 1.21Cr**s to operate them in FY2024-25 (as stated in true-up filing) towards Operating and maintenance charges in respect of these four (4) plants. Thus, though these plants technically forming part of P&ED Own Generation as they are managed/maintained by an outsider but not by P&ED and besides some operating

cost amount is being spent by P&ED for availing services from them. Hence, the P&ED instead of claiming Generation ARR individually as per norms for each of these four (4) plants should only claim for actual maintenance charges intend to pay to these four (4) plants in FY 2025-26 and this cost incurred be shown under Generation cost instead of R&M Expenses. How much amount was added in the R&M cost of FY25-26 was not clearly indicated in their submission. But in the additional information replies, P&ED stated to have paid Rs.0.98Cr in the financial year up to 30th sept 2025 and how much would be paid for the remaining 6months will be known at the time true-up filing in due course.

Thereby, Commission now draws an inference that effectively possible own energy generation is only from five (5) SHP plants is 5.26MU. The energy expected from outside agencies was clearly indicated separately in their filing but shown it under Generation related ARR expecting about **8.949MU net power from those plants.** Accordingly, the balance net generation of **24.641MU (including Serlui-B with 19.38MU energy)** so projected is construed to have been contributed by Own SHPs as shown in the above table during FY2025-26 so as to make the total expected energy to be 33.59MU. But as per the Generation ARR filing submission the energy projected only for 33.586MU and after ignoring the 0.02MU energy from Lengpui Diesel plant. The cost attributed to Lengpui Diesel plant is also zero in Generation ARR since, this set is not connected with State Grid and it's a stand by diesel unit at Airport.

6.8. Power Purchase quantum:

Petitioner's submission:

The power purchase units approved for the FY 2025-26 is 850.37 MUs in the Tariff Order dated 24.03.2025. The revised estimate for power purchase units for the FY 2025-26 has been arrived at on the basis of actual power purchase for the H1 (1st half year) of the FY 2025-26 and actual purchase for H2 (2nd half year) of the FY 2024-25. Accordingly, the power purchase units estimate for the FY 2025-26 is revised at 1011.81 MUs. The approved & estimated power purchase units for FY 2025-26 are provided in the table below:

Table 6.7: Power Purchase Units FY 2025-26

Sl. No.	Particulars	In (MUs)		
		Approved in T.O. dated 28.03.2023	Approved in T.O dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Power Purchase Units	796.70	850.37	1011.81
	Total	796.70	850.37	1011.81

Commission Analysis:

The above figure of 1011.81MU indicated in the table is exclusive of 33.61MU of energy from P&ED Own Generation plants and 1.38MU of State Solar generation. The estimations made by the P&ED in its review petition (APR) for FY2025-26 is based on the power share allocation and purchase of energy from Central generating stations capacity to make more provision for Outside sales quantum to the extent of 303.97MU now as against the Tariff Order figure of 96.49MU. Thus, excess energy procurement shown is for huge quantum of Outside State Sales of 303.97MU is very glaring and not meant for buffer quantum eventuality and also to suppress the excessive distribution losses. The Commission now considers everything as it is without any modification except the Lengpui energy and the details of share allocations and quantity of energy expected to procure in FY 2025-26 is detailed in the following table for reference:

Table 6.8: Power Purchase quantum approved by Commission for FY 2025-26

Sl. No	Energy Generation Source (2025-26)	Plant Capacity (MW)	Licensee's Share in %	Licensee's Share in MW	MU Purchased/generated (ex-bus)
A	Central Generating Stations	(MW)	(MW)	(MW)	(MU)
I	NTPC				
1	Bongaigaon TPS	750.00	5.415	40.61	213.41
2	Farakka STPS	1600.00	0.142	2.27	16.82
3	Kahalgao STPS	840.00	0.142	1.19	8.66
4	Talcher STPS	1000.00	0.142	1.42	10.80
	NTPC-Total	4190.00		45.49	249.68
II	NHPC				
1	Loktak HEP	105.00	5.020	5.28	33.83
	NHPC-Total	105.00		5.28	33.83
III	NEEPCO				
1	Kopili HEP	200.00	4.610	9.22	35.61

Sl. No	Energy Generation Source (2025-26)	Plant Capacity (MW)	Licensee's Share in %	Licensee's Share in MW	MU Purchased/generated (ex-bus)
2	Kopili - II HEP	25.00	6.038	1.51	9.72
3	Khandong HEP	50.00	3.935	1.97	9.34
4	Ranganadi HEP	405.00	5.704	23.10	62.21
5	Doyang HEP	75.00	5.247	3.94	9.78
6	Pare HEP	110.00	5.766	6.34	23.20
7	a) Tuirial HEP	60.00	100.000	60.00	229.36
	b) Free Power share				31.28
8	AGBPP	291.00	5.409	15.74	61.31
9	AGTPP	135.00	6.005	8.11	24.13
	NEEPCO-Total	1351.00		129.92	495.75
IV	TSECL				
1	B'mura - IV	21.00	25.000	5.25	0.42
2	B'mura - V	21.00	25.000	5.25	
	TSECL-Total	42.00		10.50	0.42
V	OTPC				
1	Palatana	726.00	5.785	42.00	195.15
	OTPC-Total	726.00		42.00	195.15
B	State generating Stations				
	All Units (excl. Lengpui diesel set)	38.35	100	38.35	33.59
	Owned Generation Total	38.85		38.85	33.59
C	UI / Deviation & IEX Purchase				0
	UI / Deviation-Total				0
D	Other RE Energy				
	1.Solar purchase				36.99
	2.Solar Generation (State)	2.35		2.35	1.38
E	RPO Obligation / REC Certificate				0
F	LC Enhancement/Renewal charges				0
G	Bilateral Power Purchase				
1	Utility 1				
	Bilateral-Total				0.00
	GRAND TOTAL	6454.70		274.39	1046.78

The details of various solar energy generation projected to be procured during the FY 2025-26 is as below:

Sl. No.	Solar Power Suppliers	Units (Mus)	Amount (Rs.Crs)
1	SUNFREE for Vankal	28.44	11.67
2	ATA for Vankal	8.37	3.42
3	Local Solar Purchase	0.18	0.09
	Grand Total	36.99	15.18

As the financial year 2025-26 would come to an end by the time this order is issued, thus the Commission don't want to alter any values in this major

head of expenditure power purchase so submitted by the Licensee. Mere changing of these values may not yield any useful purpose. It would be useful, if the projection made by P&ED for figure lower than it was approved in Tariff Order and to appreciate the P&ED's best performance.

6.9. Energy Balance

Petitioner's submission:

The revised estimate of energy balance based on the energy requirement and energy availability for the FY 2025-26 is provided in the table below:

Table 6.9: Energy Balance FY 2025-26

Sl. No.	Energy Balance	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
A	Energy Requirement			
1	Energy Sales	561.62	574.28	533.86
2	Distribution Loss (%)	20.67%	25.00%	25.00%
3	Distribution Loss (MUs)	146.33	191.43	177.98
4	Total Energy Requirement	707.95	765.71	711.85
B	Energy Availability			
5	Own Generation	31.07	37.08	33.61
6	Energy Purchase from ER	33.40	33.41	36.27
7	Less: ER Pool Loss (%)	1.95%	1.88%	1.90%
8	Less: ER Pool Loss (Mus)	0.65	0.63	0.69
9	Net Energy for ER	32.75	32.78	35.58
10	Energy Purchase from NER (Exl. Turial HEP)	566.69	543.61	677.92
11	UI / Deviation	0.00	0.00	0.00
12	Sub Total	599.44	576.39	713.50
13	Less: NER Pool Loss (%)	2.36%	2.33%	2.21%
14	Less: NER Pool Loss (MUs)	14.15	11.18	15.77
15	Net Energy at NERLDC	585.29	565.21	697.73
16	Energy purchases from Turial HEP	170.93	207.68	229.36
17	Free Energy from Turial HEP	23.31	28.32	31.28
18	Amazon Engineering	0.00	0.00	0.00
19	Solar Purchase	0.07	37.35	36.99
20	Solar Generation	2.30	2.19	1.38
21	Energy Available	812.97	877.83	1030.34
22	Less: Outside State - Trading	90.58	96.49	303.97
23	Total Energy Available	722.39	781.34	726.37
24	Less: Intra State Tr. Loss (%)	2.00%	2.00%	2.00%
25	Less: Intra State Tr. Loss (MUs)	14.45	15.63	14.53
26	Net Energy Available	707.94	765.71	711.85
27	Less: Energy requirement at State Periphery	707.95	765.71	711.85
28	ENERGY SURPLUS/(DEFICIT)	0.00	0.00	0.00

Commission's Analysis

The distribution Losses so projected by P&ED at 25% is far higher when compared with the RDSS scheme-based targets of 14.00% and the gap between the two is 11% which is apparently difficult to bridge the gap in one year's time. Despite, fully aware of the set target of 14.00% to achieve, the P&ED had filed the distribution Losses at 25.00% leave aside the efficiency in revenue collections to 100% of billed revenue during the year. But, as per the Commission the distribution losses would be 25.004%.

Since, the modified figures were unknown and the Commission now is not in a position to make any useful decision at this fag-end of the financial year except to await the actuals to be factored in their true-up submission in due course and no suggestive energy balance figures are indicated now in this APR order for this year but certainly the actual **distribution loss value would be considered for the true-up with some penal recovery for under performance**. But the estimated energy balance for FY 2025-26 based on their APR filing is tabulated below:

Table 6.10: Energy Balance FY 2025-26 by Commission

Sl. No.	Details of Energy Balance for FY 2025-26	Approved
A	State Grid Energy requirement for Distribution activity	(MU)
1	Retail Sale of energy (LT & HT) - (Actuals)	533.86
2	Distribution Loss (%)	25.004%
3	Distribution Loss (MU) - (4-1)	177.98
4	Energy at Distribution Periphery – (1+3)	711.84
B	Sources of Energy Availability	(MU)
5	Purchases from Eastern Region (ER) - Input)	36.27
6	a) Inter-State Losses on ER Energy (%) (Refer Annexure-VII)	1.90%
	b) Inter-State Losses on ER Energy (MU)	0.69
7	Net ER Energy after Losses (5 - 6b)	35.58
8	Purchases from North Eastern Region (Excl. Tuirial energy)	677.92
9	Gross Energy from all external sources (7+8)	713.50
10	Add: UI over drawl Energy (Net) & UI Deviations	0.00
11	Energy handled at NER grid (9 to 10)	713.50
12	a) Inter-State Trans. loss in NER (%) - (Refer Annexure-VI)	2.21%
	b) Inter-State Trans. loss in NER (MU)	15.77
13	Net energy from sources outside Mizoram (11-12b)	697.73
14	Less: Sale of energy at IEX (incl. of UI Under-drawl)	-303.97
15	Net Energy from NERLDC after IEX/OSS	393.76
16	Energy purchases from Tuirial HEP	229.36
17	Free Power from Tuirial HEP	31.28

Sl. No.	Details of Energy Balance for FY 2025-26	Approved
18	Own Generation & Lease-out station energy	33.59
19	Roof top Solar & Solar Generation	36.99
20	State Solar Generation	1.38
21	Gross Energy at State Periphery (MU) - (15 to 20)	726.37
22	Intra-State Losses (%) – (as per ARR filed)	2.00%
23	Intra-State Losses (MU)	14.53
24	Energy available for distribution Input (MU) – (20- 22)	711.84

6.10. Fuel Cost

Petitioner's submission

The values of fuel cost approved for the FY 2025-26 are not proposed to be revised at this stage. However, the actuals shall be submitted at the time of truing-up.

Table 6.11: Fuel Cost FY 2025-26

(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Cost of Fuel	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's Analysis

The above fuel cost is relevant to Diesel Generating Set used at Lengpui Airport which equipment is being used as a standby unit and reported to have not connected to State Grid as per the replies received on additional queries raised. Thus, the Commission now approves **Nil Fuel Cost** for FY 2025-26 after performance review and it will be linked to the actual costs if any at the time of truing-up, despite P&ED made 0.02MU projection for this year and as it is not connected to State Grid, the costs can't be passed on to retail consumers ultimately.

6.11. Cost of Generation

Petitioner's submission

The values of cost of generation approved for the FY 2025-26 vide Tariff Order dated 24.03.2025 are not proposed to be revised at this stage. However, the actuals shall be submitted at the time of truing-up.

Table 6.12: Cost of Generation FY 2025-26**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Cost of Generation	5.93	5.93	5.93
	Total	5.93	5.93	5.93

Commission Analysis:

The Commission now approves generation cost for FY 2025-26 at Rs.1.28CrS/year (Provisionally) payable to four (4) leased out SHP plants maintained by M/s.Amazon Engg. & M/s/Assam Petrochemicals. Thus, this amount is subtracted from R&M Expenses to avoid duplication. Whatever, amount claimed by P&ED amounting to Rs.5.93CrS has been ignored for APR purpose and awaits the actual figures as per finalised audited accounts to come in due course.

6.12. Power Purchase Cost**Petitioner's submission**

The Hon'ble Commission in the Tariff Order for the FY 2025-26 had approved a power purchase quantum of 850.37 MUs at a total cost of Rs 443.88 Crores in the Tariff Order dated 24.03.2025. As submitted above the estimate of power purchase quantum for the FY 2025-26 is proposed to be revised to 1011.81 MUs. Accordingly, the power purchase cost is also proposed to be revised. The detail calculation is provided in the Format No. F1(i) & F1a(i). Further, Power purchase cost for the FY 2025-26 has been arrived at in following manner: -

- i. Actual power purchase cost for the H1 of the FY 2025-26 has been considered.
- ii. For estimating the power purchase cost of H2, the estimated quantum of power purchase units for H2 has been taken from actual power purchase unit of FY 2024-25 and source wise average cost of FY 2024-25 escalated at 5.72% has been applied.

Further, the cost towards RPO has been arrived in accordance with the RPO targets prescribed in the RPO regulations 2023. The target for Wind RE, Hydro RE, Distributed RE & Other RE % is given in the table below:

Table 6.13: Percentage of RE Target

Sl. No.	FY	Wind RPO	Hydro RE	Distributed RE	Other RE	Total
1	2	3	4	5	6	7
1	2025-26	1.45%	1.22%	2.10%	28.24%	33.01%

For all the RPO category, the prescribed target as per above table has been applied on the base figure of **711.85 MUs** for the FY 2025-26.

P&ED Mizoram shall meet the requirement of Wind RE, Hydro RE & Other RE from its power procurement which is projected in total at 227.51 MUs for the FY 2025-26. Accordingly, there is no fund needed for meeting Wind RE, Hydro RE & Other RE target, its already projected as achieve.

Further, P&ED Mizoram shall meet the requirement of Distributed RE from its power procurement which is projected at 7.47 MUs for the FY 2025-26. Accordingly, there is no fund needed for meeting Distributed RE target, its already projected as achieve. So, there is no need to project any cost towards purchase of REC certificates to meet the RPO obligation.

The comparison of the approved power purchase cost and the revised estimate as arrived above is given in the table below.

Table 6.14: Power Purchase Cost FY 2025-26**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 15.03.2024	As per Revised Estimate
1	2	3	4	5
1	Power Purchase Cost	435.92	443.88	485.46
	Total	435.92	443.88	485.46

Commissions Analysis

The power purchase cost of Rs.485.46Crores as per APR filing made by P&ED is with zero RPO Obligation amount. It is **approved at Rs.485.46Crs** after cross checking the fulfilment of RPO Obligation being noted as **Nil** amount for the proposed energy draws by P&ED in FY2025-26. Besides, the above amount includes additional supplementary bills amount of Rs.6.30Crs.

The MZERC had revised the indicated RPO obligation compliance components vide its **notification dt. 18th November 2024**. The RPO compliance as derived by Commission is appended below for comprehension.

Table 6.15: RPO Compliance as per Commission FY 2025-26 for APR

Sl. No.	Particulars (P&ED)	Formula	Unit	2025-26 (Approved)
1	Energy Consumption in Distribution area		MU	711.85
2	Total RPO Target (Overall)		%	33.01%
3	Total RE purchase requirement	1*2	MU	234.98
4	Wind Renewable Energy Target		%	1.45%
5	Wind Power purchase requirement	1*4	MU	10.32
6	Hydro Renewable Energy Target		%	1.22%
7	Hydro Power purchase requirement	1*6	MU	8.68
8	Distributed Renewable Energy Target		%	1.05%
9	Distributed Renewable Energy requirement	1*8	MU	7.47
10	Other Renewable Energy Target		%	29.29%
11	Other RE Purchase Requirement	1*10	MU	208.50
12	Wind actual RE achievement	Input Data	MU	0.00
13	Surplus / (Deficit) in Wind RE purchase	12-5	MU	-10.32
14	WPO achievement (%)	12/5	%	0.00%
15	HPO (Hydro) actual achievement	Input Data	MU	0.00
16	Surplus/ Deficit in HPO (Hydro) RE purchase	15-7	MU	-8.68
17	HPO achievement (%)	15/7	%	0.00%
18	Other RE purchase (a+b+c+d+e)	Input data	MU	479.27
a	Co-generation		MU	0
b	Small Hydro		MU	33.59
c	Biomass		MU	0
d	Solar		MU	1.38
e	Others		MU	444.31
19	Surplus / Deficit in Other RE purchase	18-11	MU	270.77
20	Other RPO achievement (%)	18/11	%	230%
21	Distributed RE actual achievement	Input data	MU	36.99
22	Surplus/Deficit in Distribution RE purchase	21-9	MU	29.52
23	Distributed RE achievement (%)	21/9	%	495%
24	Total RE purchase achievement	12+15+18+21	MU	516.26
25	RE Purchase achievement in %	24/3	%	219.70%
26	RPO deficit to be fulfilled or (surplus achieved)	3-24	MU	-281.28
27	RE Certificates procurement cost (if needed)		Crores	0.000

As seen from the above detailed calculation for RPO obligation fulfilment, it is noticed that the P&ED had complied with the RPO obligation needs based on the provisions of the Regulation issued by Mizoram Electricity Regulatory Commission vide notification no.T.13012/1/24-MZERC/8, Dt.18th November 2024 as this

regulation is applicable to P&ED department from FY2025-26 onwards until the issuance of any new regulation in this regard. As can be seen from the above table the energy procurement is more than target quantum by 281.28MU for FY2025-26.

Based on the above RPO obligation of P&ED, the power purchase cost allowable for P&ED under APR Review is derived separately and tabulated with all relevant details for each element wise in comparison with Tariff Order figure as well as with the APR petition figures for clear elaboration.

The Details of Commission approved Power Purchase cost for FY2025-26 after APR review is tabulated below for comparison's sake.

Sl. No.	Generation Sources	Plant Capacity (MW)	P&ED Share (%)	P&ED Share (MW)	Energy Purchased (MU)	Total Charges (Rs./Crs)	Per unit cost (Rs/kWh)
A	Central Generating Stations						
I	NTPC						
1	Bongaigaon TPS	750	5.415	40.61	213.41	149.67	7.01
2	Farakka STPS	1600	0.142	2.27	16.82	7.65	4.55
3	Kahalgaoon STPS	840	0.142	1.19	8.66	3.81	4.40
4	Talcher STPS	1000	0.142	1.42	10.80	2.93	2.72
	NTPC-Total	4190	0.59%	45.49	249.68	164.07	6.57
II	NHPC						
1	Loktak HEP	105	5.025	5.28	33.83	10.78	3.19
	NHPC-Total	105		5.28	33.83	10.78	3.19
III	NEEPCO						
1	Kopili HEP	200	4.610	9.22	35.61	8.52	2.39
2	Kopili - II HEP	25	6.038	1.51	9.72	2.43	2.50
3	Khandong HEP	50	3.935	1.97	9.34	3.03	3.24
4	Ranganadi HEP	405	5.704	23.10	62.21	18.58	2.99
5	Doyang HEP	75	5.247	3.94	9.78	7.82	7.99
6	Pare HEP	110	5.766	6.34	23.20	12.61	5.44
7	Tuirial HEP	60	100	60	229.36	97.93	3.76
	Free Power share				31.28		
8	AGBPP	291	5.409	15.74	61.13	47.51	7.77
9	AGTPP	135	6.005	8.11	24.13	18.12	7.51
	NEEPCO-Total	1351		129.92	495.75	216.55	4.37
IV	TSECL & OPTC						
1	B'mura – IV&V	42	50.00	10.50	0.42	0.00	0.00
2	Palatana	726	5.785	42.00	195.15	72.47	3.71
	TSECL& OPTC-Total	768		52.50	195.57	72.47	3.71
	Total CGS Energy Purchase	6414.00		233.19	974.82	463.87	4.76
B	State Own generation						
1	All Units (excl. Lengpui set)	38.85	100	38.35	33.59	0.00	0.00
	Owned Generation Total	38.85		38.35	33.59	0.00	0.00
C	IEX Exchange purchase				0.00	0.00	0.00
D	a) UI Over drawl				0	0.06	0
	b) UI Under drawl receipt				0	0.00	0
	UI / Deviation-Total				0	0.06	0
E	Other RE Energy						

Sl. No.	Generation Sources	Plant Capacity (MW)	P&ED Share (%)	P&ED Share (MW)	Energy Purchased (MU)	Total Charges (Rs./Cr.)	Per unit cost (Rs./kWh)
	1. Solar purchases				36.99	15.18	4.10
	2.State Solar Generation	2.35	100	2.35	1.38	0	
F	RP Obligation /REC Certificate					0	
G	LC Enhance/Renew charges					0.00	
H	Reactive Energy Charges					0.05	
I	Supplementary Bills (Addl.)					6.30	
J	Prior Period Purchase					Nil	
k	REC Certificate Obligation					NIL	
l	Loss from IEX Sales made					0	
	GRAND TOTAL	6455.20		273.89	1046.78	485.46	4.64

6.13. Inter-state Transmission Charges estimated for 2025-26 by P&ED

Petitioner's submission

The estimate of transmission charges for the FY 2025-26 is proposed to be revised based on the actuals for the FY 2024-25 and H1 of FY 2025-26. The comparison of the approved transmission charges and the revised estimate is given in the table below.

Table 6.16: Transmission Charges FY 2025-26

(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Transmission Charges	71.26	54.15	53.91
	Total	71.26	54.15	53.91

Commission analysis:

The Commission also provisionally approves these charges relating to Inter-State transmission charges (PGCIL charges) at Rs. 53.91 Crores for FY 2025-26 so submitted by P&ED for annual review purpose.

6.14. Intra-state Transmission Charges

Petitioner's submission

The values of intra-state transmission charges approved for the FY 2025-26 are not proposed to be revised at this stage. However, the actuals shall be submitted at the time of truing-up.

Table 6.17: Intra-state Transmission Charges FY 2025-26**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Intra-state Transmission Charges	56.25	48.30	48.30
	Total	56.25	48.30	48.30

Commission Analysis:

For the present, Commission approves **Rs.48.30Crs** towards Intra-state transmission charges for FY 2025-26 under APR. Reviewing of this cost element behaviour was to be made with reference to earlier years Audited statements when True-up claimed is taken-up. Historically, this cost element was always noted to be nil as per the finalised audited accounts historically. Thus, it will be a NIL amount during True-Up finalisation.

6.15. O & M Expenses**i. Employee Cost:****Petitioner's submission**

The value of employee cost approved for the FY 2025-26 is **Rs 130.01 Crores** in the Tariff Order dated 24.03.2025. The revised estimate of employee cost for the FY 2025-26 has been arrived at on the basis of actual employee cost for the H1 (1st half year) of the FY 2025-26 of **Rs 91.78 Crores** for P&ED Mizoram. Accordingly, the employee cost estimate for the FY 2025-26 is revised at **Rs 128.50 Crores** for **only relates to the distribution function**.

The approved & estimated employee cost for the FY 2025-26 is provided in the table below:

Table 6.18: Employee Cost FY 2025-26**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Employee Cost	152.88	130.01	128.50
	Total	152.88	130.01	128.50

Commissions Analysis

The Employee cost now projected by Licensee for FY 2025-26 is lesser than what has been approved in the Tariff Order. Thus, the amount of Rs.128.50Cr is approved by the Commission for APR purpose subject to audited actuals for this year.

ii. Repairs & Maintenance

Petitioner's submission

The value of Repair & Maintenance Expenses approved for the FY 2025-26 is Rs.15.62 Crores in the Tariff Order dated 24.03.2025. The revised estimate of Repair & Maintenance Expenses for the FY 2025-26 has been arrived at on the basis of actual Repair & Maintenance Expenses for the H1 (1st half year) of the FY 2025-26 of Rs.11.14 Crores for P&ED Mizoram. Accordingly, the Repair & Maintenance Expenses estimate for the FY 2025-26 is revised at Rs 8.40 Crores for **only relates to the distribution function**. The approved & estimated Repair & Maintenance Expenses for the FY 2025-26 is provided in the table below:

Table 6.19: Repair & Maintenance Expenses FY 2025-26
(In Rs. Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Repair & Maintenance Expenses	13.37	15.62	8.40
	Total	13.37	15.62	8.40

Commission analysis:

The R&M cost now projected for FY 2025-26 is far lesser than what has already been approved in the Tariff Order. However, of the amount Rs.8.40Cr now projected is approved by the Commission at Rs.7.12Cr after deducting Rs.1.28Cr payable (provisionally) to Outside Agencies maintaining the four (4) SHPs for APR purpose, while the actuals spent in the last year was at Rs 42.53Cr appears abnormal and really not correlative to this year's projection made by P&ED.

iii. Administration & General Expenses

Petitioner's submission

The value of Administration & General Expenses approved for the FY 2025-26 is Rs. 7.15 Crores in the Tariff Order dated 24.03.2025. The revised estimate of Administration & General Expenses for the FY 2025-26 has been arrived at on the basis of actual Administration & General Expenses for the H1 (1st half year) of the FY 2025-26 of Rs.3.86 Crores for P&ED Mizoram. Accordingly, the Administration & General Expenses estimate for the FY 2025-26 is revised at Rs 5.40 Crores for **only relates to the distribution function**. The approved & estimated Administration & General Expenses for the FY 2025-26 is provided in the table below:

Table 6.20: Administration & General Expenses FY 2025-26

(In Rs. Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Administration & General Expenses	2.21	7.15	5.40
	Total	2.21	7.15	5.40

Commission's Analysis:

The Commission accordingly approves Administration and General Expenses at Rs. 5.40 Crore for the FY 2025-26 as estimated by P&ED and these values will be verified with actuals at the time of true up. The APR appears to have ignored Overall three functions of the P&ED and it appears adhered to distribution function alone but not for all three functions together. Moreover, the actuals spent in FY2024-25 under this head was Rs.8.11Cr and the present projection appears improperly assessed.

iv. Abstract of O&M Expenses filed Vs. approved for FY2025-26:

Table 6.21: O&M Expenses approved by the Commission after Review

Sl. No.	Expenses details	APR by P&ED (Rs.Crs)	Commission approved (Rs.Crs)
1	Employee Cost	128.50	128.50
2	Repair & Maintenance Expenses	8.40	7.12
3	Administration & General Expenses	5.40	5.40
	Total O&M Expenses	142.30	140.95

6.16. Depreciation

Petitioner's submission

The Hon'ble Commission has approved the Depreciation for the FY 2025-26. In this regard it is submitted that the GFA for the FY 2024-25 has got revised in accordance with the audited annual accounts for which true-up proposal is being submitted. The Fixed Asset & Depreciation Register for the FY 2024-25 is also being submitted. Therefore, the GFA & corresponding depreciation for the FY 2025-26 also stands revised. The Depreciation is estimated for the FY 2025-26 at Rs. 0.16 Crores which is 1% of the estimated amount for **only relates to the distribution function**.

In view of the above it is requested that the Hon'ble Commission may kindly consider & approve the revised depreciation for the FY 2025-26. The depreciation approved by the Hon'ble Commission and revised depreciation for the FY 2025-26 is provided in the table below:

Table 6.22: Depreciation FY 2025-26

(In Rs. Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Depreciation	0.00	0.16	0.16
	Total	0.00	0.16	0.16

Commission Analysis

The licensee had projected depreciation amount of Rs.0.16 Crores for APR. The Commission now approves the same amount so projected for FY2025-26 as against the Tariff Order figure of Rs.0.16Crs. However, the allowable depreciation will be limited to 1% of actuals value as per Audited accounts when finalised & approved for.

6.17. Interest & Finance Charges

Petitioner's submission

The Hon'ble Commission did not approve interest & finance charges for the FY 2025-26. P&ED also does not claim any amount relates to interest & finance charges for the FY 2025-26. However, the actuals shall be submitted at the time truing-up. The interest & finance charges as approved & proposed by P&ED for the FY 2025-26 are provided in the table below:

Table 6.23: Interest & Finance Charges FY 2025-26

(In Rs Crores)				
Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
	Interest & Finance Charges	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's Analysis

No charges were incurred by the P&ED towards Interest on debts during the year. Hence no interest on Debt (borrowed from outsider lenders) was claimed for FY 2025-26 and hence NIL amount is allowed for this head of expenses.

6.18. Interest on Working Capital**Petitioner's Submission**

P&ED has followed the same methodology applied in the Tariff Order dated 15.03.2024 & does not claimed any amount relates to Interest on Working Capital. The Interest on Working Capital as approved for the FY 2024-25 and actual value of Interest on Working Capital for the FY 2024-25 is provided in the table below:

Table 6.24: Interest on Working Capital FY 2025-26

(In Rs Crores)				
Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 15.03.2024	As per Revised Estimate
1	2	3	4	5
1	Interest on Working Capital	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's Analysis

No calculated amount was proposed for this purpose in FY 2025-26 and NIL amount of IWC is allowed adopting the same analogy as that of Return on Equity element to off-load the unnecessary burden on Consumers.

But these charges will only be considered for allowing it to be passed on to retail consumers if the Short-term loans were availed actually during the period.

6.19. Interest on Consumer Security Deposit**Petitioner's submission**

The Hon'ble Commission did not approve interest on Consumer Security Deposit for the FY 2025-26 and the P&ED Mizoram too had not proposed for the same.

Table 6.25: Interest on Consumer Security Deposit FY 2025-26**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Interest on Consumer Security Deposit	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's analysis

Commission too did not approve any amount for this expenditure item.

6.20. Provision for Bad Debts**Petitioner's submission**

The Hon'ble Commission did not approve Provision for Bad & Doubtful Debt for the FY 2025-26 and the P&ED Mizoram is not proposing any provisions for the same.

Table 6.26: Provision for Bad & Doubtful Debt FY 2025-26**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Provision for Bad Debt	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's analysis

Commission too approves NIL amount for this expenditure item. The Criteria to consider this item depends upon the failure to collect the pending dues from defaulting consumers despite assiduous efforts made by P&ED to the satisfaction of the Commission.

6.21. Contributions to Contingency Reserve fund**Petitioner's submission**

The Hon'ble Commission did not approve Contribution to Contingency Reserve Fund for the FY 2025-26 and the P&ED Mizoram is not proposing any provisions for the same.

Table 6.27: Contribution to Contingency Reserve Fund FY 2025-26**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Contribution to Contingency Reserve Fund	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission Analysis:

It was categorically stated by P&ED that it is not in a position to invest Contingency Reserve fund that was collected from consumers through tariff and as all the money gets deposited into Government treasury. Without the consent of Government of Mizoram (GoM) the said fund creation in a non-drawl account is not possible in the absence of independent financial control to P&ED. Hence, the fund collection for creation of reserve fund proposal is hence forth withdrawn by the Commission in view of this situation explained.

6.22. Non-tariff Income**Petitioner's submission**

The Other Income approved for the FY 2025-26 is Rs. 9.27 Crores in the Tariff Order dated 24.03.2025. Further, the other income estimate has been reworked based on the changed determinants. The other income approved & estimated is provided in the table below:

Table 6.28: Other Income FY 2025-26**(In Rs. Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Non-Tariff Income	9.47	11.40	9.27
	Total	9.47	11.40	9.27

Commission Analysis:

Non-Tariff Income: The Commission accordingly approves **Rs.9.27 Crores** towards Non-tariff Income for the FY 2025-26 same as estimated by P&ED now for APR purpose despite the non-disclosure of changed determinants precluding the P&ED to estimate for lower non-tariff income.

6.23. Return on Equity**Petitioner's submission**

The Hon'ble Commission did not approve return on equity for the FY 2025-26 and the P&ED Mizoram is not proposing for the same.

Table 6.29: Return on Equity FY 2025-26**(In Rs. Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Return on Equity	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission Analysis:

The Commission also approved **NIL** amount towards Return on Equity for FY 2025-26, because of the same no equity investment situation is prevailing after seeing the Audited annual accounts statement of FY2024-25 made available for this purpose.

Revenue from sale of power**Petitioner's Submission:**

The P&ED Mizoram has considered the revised estimate of energy sale as detailed in para 1.2 above for calculating the estimated revenue from sale of power. The comparison of approved revenue & revised estimate for the FY 2025-26 is provided in the table below:

Table 6.30: Revenue from retail Sales of Energy during FY 2025-26
(In Rs Crores)

Sl. No.	Category	Approved in T.O. dated 24.03.2025	As per Revised Estimate
	LT Consumers		
1	KJ(Domestic)	2.03	2.29
2	Domestic	200.32	193.59
3	Non-Profit Public Purpose	11.86	13.87
4	Commercial	44.14	42.66
5	Public Lighting	3.66	4.04
6	Agriculture	0.04	0.07
7	Public Water Works	0.37	1.18
8	Industrial	2.45	2.65
9	Electric Vehicle Charging	0.00	0.00
	Total LT	264.86	260.37
	HT Consumers		
10	Domestic	1.56	1.73
11	Non-Profit Public Purpose	8.39	7.84
12	Commercial	19.59	19.91
13	Agriculture	0.11	0.08
14	Public Water Works	123.34	130.12
15	Industrial	17.60	8.11
16	Electric Vehicle Charging	0.00	0.00
17	Bulk Supply	13.48	12.10
	Total HT	184.07	179.89
18	Total LT & HT	448.93	440.26
19	Outside State - Trading	56.93	140.19
	Total	505.86	580.45

Commission Analysis

The Commission too provisionally approves the projected revenue from existing tariffs from all sources at Rs.440.26 Crore during FY 2025-26 from the retail sale of 533.86MU units and the revenue expected to be realisable from outside State sales is from the IEX sale is at Rs.140.19Cr by selling 303.97MU as per this APR filing submission.

As revising these values at this juncture would not serve any useful purpose in this eleventh hour (i.e., March'26). However, the final revenue collection actuals need be compared with approved Audited accounts to determine the realistic revenue gap status in due course.

6.24. Review of FY 2025-26 ARR filings**Petitioner's submission**

The Annual Revenue Requirement approved for FY 2025-26 and revised value of Annual Revenue Requirement for FY 2025-26 is provided in the table below:

Table 6.31: Review of ARR FY 2025-26**(In Rs Crores)**

Sl. No.	Item of Expense	Approved in T.O. dated 28.03.2023	Approved in T.O. dated 24.03.2025	As per Revised Estimate
1	2	3	4	5
1	Cost of Fuel	0.00	0.00	0.00
2	Cost of Generation	5.93	5.93	5.93
3	Cost of Power Purchase	435.92	443.88	485.46
4	Transmission Charges	71.26	54.15	53.91
5	Intra State Transmission	56.25	48.30	48.30
6	Employee Costs	152.88	130.01	128.50
7	R&M Expenses	13.37	15.62	8.40
8	Administration and General Expenses	2.21	7.15	5.40
9	Depreciation	0.00	0.16	0.16
10	Interest charges	0.00	0.00	0.00
11	Interest on Working Capital	0.00	0.00	0.00
12	Interest on Consumer Security Deposit	0.00	0.00	0.00
13	Provision for bad debts	0.00	0.00	0.00
14	Return on NFA /Equity	0.00	0.00	0.00
15	Contribn to Contingency Reserve Fund	0.00	0.00	0.00
16	Total Revenue Requirement	737.82	705.20	736.05
17	Less: Non-Tariff Income	9.47	11.40	9.27
18	Less: 1/3rd True-UP Surplus of FY 2023- 24		7.15	7.15
19	Less: Efficiency Gains (for dues collection)	15.00	0.00	0.00
20	Net Revenue Requirement	713.35	686.65	719.63
21	Less: Revenue from Sale of Power		505.86	580.45
22	Gross Revenue Surplus/(Gap/Deficit)		-180.80	-139.18
23	Less: Revenue Subsidy & Grants from State Govt.		180.80	180.80
24	Net Revenue Surplus/(Gap/Deficit)		0.00	41.62

It is prayed that the Hon'ble Commission may kindly consider the above submissions and approve the review of Aggregate Revenue Requirement and Gap for the FY 2025-26. Further, Actual Revenue Subsidy & Grants from State Govt. shall be submitted for consideration of the Hon'ble Commission for Truing-up after the end of the financial year when the accounts are audited.

6.25. Govt. Subsidy & Gap Status for FY 2025-26

Commission Analysis:

Table 6.32: ARR Review under APR for FY 2025-26

Sl. No.	Item of Expense	APR claimed by P&ED (Rs.Crs)	Approved by Commission (Rs.Crs)
1	2	3	4
1	Cost of Fuel	0.00	0.00
2	Cost of Generation	5.93	1.28
3	Cost of Power Purchase	485.46	485.46
4	Transmission Charges	53.91	53.91
5	Intra State Transmission	48.30	48.30
6	Employee Costs	128.50	128.50
7	R&M Expenses	8.40	7.12
8	Administration and General Expenses	5.40	5.40
9	Depreciation	0.16	0.16
10	Interest charges	0.00	0.00
11	Interest on Working Capital	0.00	0.00
12	Interest on Consumer Security Deposit	0.00	0.00
13	Provision for bad debts	0.00	0.00
14	Return on NFA /Equity	0.00	0.00
15	Contribn to Contingency Reserve Fund	0.00	0.00
16	Total Revenue Requirement	736.05	730.13
17	Less: Non-Tariff Income	9.27	9.27
18	Less: 1/3rd True-UP Surplus of FY 2023- 24	7.15	7.15
19	Less: Efficiency Gains (for dues collection)	0.00	0.00
20	Net Revenue Requirement	719.63	713.71
21	Less: Revenue from Retail Sales	440.26	440.26
	Less: Revenue from IEX/OSS Sales	140.19	140.19
22	Gross Revenue Surplus/(Gap/Deficit)	-139.18	-133.26
23	Less: Subsidy & Grants from State Govt.	180.80	180.80
24	Net Revenue Surplus noted	41.62	47.54

As against the P&ED's revised revenue surplus of Rs.41.62 Crore, the Commission had noticed a surplus noticed of Rs.47.54Crs provisionally until the complete finalisation of audited annual accounts upon completion of financial year FY2025-26. The final gap status will have to be determined only after considering the actual expenditure spent and the actual total subsidy received from Government during FY2025-26 at the time of truing-up in due course. It is too early to make any conclusive decide upon the surplus/revenue gap it at this juncture keeping in view the occurrence of the Government subsidy released amount in FY2024-25

at Rs.355.56Crs as against the Tariff Order approved value of Rs.197.23Crs. There is every possibility of more Tariff subsidy coming to P&ED beyond Tariff Order figure.

It is too early to finalize this revenue collections and draw a conclusion on financial gap/surplus. Hence it would only be settled once the finalized & approved audited annual accounts are made available for examination & scrutiny. Hence, the gap/surplus aspect and the realized revenue aspect is not possible to predict/assess at this point of time.

7. Analysis of ARR for FY 2026-27 and its Approval

7.1 Background

The P&ED Mizoram's tariff determination is now governed by "Joint Electricity Regulatory Commission for Manipur & Mizoram (Multi Year Tariff) Regulations, 2014" (referred to as "MYT Regulations, 2014") which came into force from 09.06.2014. Further, the Hon'ble Commission has notified First Amendment Regulations, 2019. The MYT Regulations, 2014 read with First Amendment Regulations, 2019 provide a framework for calculating tariffs on a cost-plus basis and allow the licensee to recover operational expenses including depreciation, interest on working capital, debt and return on equity amongst others.

Multi Year Tariff Order for the 3rd control period of 5 years from FY 2023-24 to FY 2027-28 was issued by the Hon'ble Commission vide order dated 28.03.2023 under the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 read with First Amendment Regulations, 2019.

The Hon'ble Commission determined the Aggregate Revenue Requirement for the FY 2023-24 to FY 2027-28 & Tariff for the FY 2023-24 in the MYT Order dated 28.03.2023.

Regulation 5.2 (iii) of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 provides as follows:

"In case of Mid-term Review of Business Plan under Regulation 4.2 (i), the Petition shall comprise of:

- a. Truing Up for previous year;*
- b. Modification of the ARR for the remaining year of the Control Period, if any, with adequate justification for the same;*
- c. Revenue from the sale of power at existing tariffs and charges for the ensuing year;*
- d. Revenue gap for the ensuing year calculated based on ARR approved in the MYT Order and truing up for the previous year;*
- e. Application for determination of tariff for the ensuing year."*

Further, the Hon'ble Commission notified the First Amendment Regulations, 2019 is as follows:

“5.2 The filing of the Control Period under these Regulations shall be as under.

(i).....

ii) From the second year of the Control Period onwards and upto the last year of the Control Period, the petition in each year shall comprise of:

- a. Truing Up for the previous year with audited accounts, and Annual Performance Review (APR) with revision of ARR approved in MYT Order for current year and revised projection of ARR approved in MYT Order for the ensuing year in accordance with these Regulations;*
- b. Revenue from the sale of power at existing tariffs and changes for the current year;*
- c. Revenue gap for the ensuing year calculated based on the revised projection of ARR and truing up of the previous year;*
- d. Application for determination of tariff for the ensuing year.”*

As per the above regulation, the Joint Electricity Regulatory Commission for Manipur and Mizoram requires the P&ED Mizoram to apply for determination of tariff for the ensuing year which in the instant case is FY 2026-27. Accordingly, based on the Aggregate Revenue Requirement approved by the Hon’ble Commission for the FY 2026-27, P&ED Mizoram is required to propose the tariff for sale of energy during the FY 2026-27.

It is submitted that there has been changes in certain parameters and determinants of ARR for the FY 2026-27 based on the performance during the FY 2024-25 & FY 2025-26 (H1). Accordingly, P&ED Mizoram is submitting the revised ARR & proposal for determination of tariff for the FY 2026-27.

P&ED Mizoram requests the Hon’ble Commission to kindly consider the submission and approve the revised ARR & tariff for the FY 2026-27 in accordance with the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 read with First Amendment Regulations, 2019.

7.2 Overall Approach for present filing

7.2.1 Petition for determination of Tariff for the FY 2026-27

P&ED Mizoram hereby submits its petition for approval of Tariff for the FY 2026-27. This petition is submitted in compliance with the Regulation 5(ii)(d) of the MYT Regulations, 2014 read with First Amendment Regulations, 2019. The petitioner is attempting to comply with the various guidelines in the Act and regulations

within the limitations of availability of data.

P&ED Mizoram is filing the petition based on the overall frame work of parameters approved by the Hon'ble Commission in the MYT Order. However, P&ED Mizoram has also proposed revisions in certain determinants of ARR. P&ED Mizoram has studied the past trends and taken cognizance of other internal and external developments to estimate the likely performance during the FY 2026-27.

7.2.2 Approach for filing

The MYT Regulations, 2014 segregate the items impacting tariffs into controllable and uncontrollable factors. Items that are uncontrollable are passed through to the consumers. Further, the MYT Regulations, 2014 identifies the uncontrollable and controllable parameters as follows:

The Uncontrollable Factors

The “uncontrollable factors” comprises of the following factors:

- (i) Force Majeure events;
- (ii) Change in law, judicial pronouncements and Orders of the Central Government, State Government or Commission;
- (iii) Variation in the price of fuel and/ or price of power purchase according to the FPPPA formula approved by the Hon'ble Commission from time to time;
- (iv) Variation in the number or mix of consumers or quantities of electricity supplied to consumers
- (v) Transmission Loss;
- (vi) Variation in market interest rates; (vii) Taxes and Statutory levies;
- (viii) Taxes on Income:
- (ix) Non-Tariff Income;

The Controllable factors

Controllable factors include, but are not limited to the following:

- (i) Variations in capitalization on account of time and/or cost overruns/ efficiencies in the implementation of a capital expenditure project not attributable to an approved change in scope of such project, change in statutory levies or force majeure events;
- (ii) Variation in Interest and Finance Charges, Return on Equity, and Depreciation on account of variation in capitalization, as specified in clause (i) above;
- (iii) Variations in technical and commercial losses of Distribution Licensee;
- (iv) Variations in performance parameters;

- (v) Variations in working capital requirements;
- (vi) Failure to meet the standards specified in the Joint Electricity Regulatory Commission for the states of Manipur and Mizoram (Standard of Performance for Distribution and Transmission Licensees) Regulations, 2010, as amended from time to time except these exempted in accordance with those Regulations;
- (vii) Variations in labour productivity;
- (viii) Variation in operation & maintenance expenses;
- (ix) Variation in Wires Availability.

In view of the above, the present petition has been filed keeping the controllable factors unchanged as far as possible. However, changes have been proposed where new developments have taken place making it necessary to incorporate the same in the ARR.

The subsequent sections provide the various expenses as approved by the Hon'ble Commission and proposed additional expenses for the FY 2026-27.

7.3 Category wise Sales forecast

Petitioner's submission

Energy sales

The P&ED Mizoram proposes to revise the energy sales for various categories of consumers based on the actual sales for the FY 2024-25 & revised estimate of FY 2025-26. The energy sales for the FY 2026-27 as approved by the Hon'ble Commission and revised sales figures are provided in the table below:

Table 7.1: Energy Sales FY 2026-27

(In Mus)

Sl. No.	Category	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
	LT Consumers			
1	Kutir Jyoti	7.19	5.84	-1.35
2	Domestic	353.47	331.33	-22.14
3	Non-Profit Public Purpose	11.58	15.99	4.41
4	Commercial	39.97	46.23	6.26
5	Public Lighting	3.05	2.68	-0.37
6	Agriculture	0.06	0.17	0.11

Sl. No.	Category	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
7	Public Water Works	7.92	0.54	-7.38
8	LT Industrial	3.24	3.02	-0.22
9	Electric Vehicle Charging	0.00	0.00	0.00
	Total LT	426.48	405.79	-20.69
	HT Consumers			
10	Domestic	4.19	1.72	-2.47
11	Non-Profit Public Purpose	16.39	7.23	-9.16
12	Commercial	16.33	17.79	1.46
13	Agriculture	0.11	0.17	0.06
14	Public Water Works	95.67	101.00	5.33
15	Industrial	8.99	7.21	-1.78
16	Electric Vehicle Charging	0.00	0.00	0.00
17	Bulk Supply	20.89	12.23	-8.66
	Total HT	162.57	147.35	-15.22
18	Total LT & HT	589.05	553.14	-35.91
19	Outside State - Trading	93.59	297.74	204.15
	Total	682.63	850.88	168.24

Commission's Analysis

The retail energy sales projections made for the FY2026-27 by the licensee are approved at the same level by the Commission and the break-up details of retail sales quantum for FY 2026-27 are tabulated below.

Table 7.2: Energy sales approved by the Commission FY 2026-27

Sl. No.	Consumer Category	Approved by Commission
	LT Consumers	(MU)
1	Kutir Jyoti	5.836
2	Domestic	331.33
3	Non-Profit Public Purpose	15.988
4	Commercial	46.226
5	Public Lighting	2.68
6	Agriculture	0.17
7	Public Water Works	0.54
8	LT Industrial	3.02
9	Electrical Vehicle Charging Stations	0.094
	Total LT	405.88
	HT Consumers	
10	Domestic	1.72
11	Non-Profit Public Purpose	7.23
12	Commercial	17.789
13	Agriculture	0.17

Sl. No.	Consumer Category	Approved by Commission
14	Public Water Works	101.00
15	HT Industrial	7.21
16	Electric vehicle Charging – HT	0.063
17	Bulk Supply	12.08
	Total HT	147.26
	LT & HT Total	553.14

The Commission approves retail energy sales during FY 2026-27 at 553.14 MU as was projected by the P&ED, Mizoram including zero units for EV Charging Stations sales of LT & HT and for H.T Industrial (TOD) category sales as well. The Zero projection for EV charging at LT & HT level as well as HT Industrial (Optional-2) category is constantly nil since 2024-25 and the same trend is seen now repeated in 2026-27 also. Therefore, Commission also adopts the same sales projection without any changes as because P&ED is the better judge to assess sales.

7.4 Distribution Loss

Petitioner's submission

It is submitted that the P&ED Mizoram is making all efforts to meet the trajectory of distribution loss given by the Hon'ble Commission in the MYT Order. Accordingly, P&ED Mizoram is proposing the distribution loss percent for the FY 2026-27 for approval of the Hon'ble Commission. However, actuals & deviations if any shall be submitted for consideration & approval at the time of True-up. The distribution loss for the FY 2026-27 as proposed by P&ED Mizoram & approved by the Hon'ble Commission is provided in the table below:

Table 7.3: Distribution Loss for FY 2026-27

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Distribution Loss	19.62%	24.50%	4.88%

Commissions Analysis

Keeping very much in view of the RDSS loss trajectory set loss targets for 2024-25 & 2025-26 and the also actuals achieved by P&ED in FY2024-25, though distribution losses relevant for FY 2026-27 should have been frozen at 14.00% (as the set Target) as stipulated under the RDSS Scheme from FY2024-25 onwards, the losses can be fixed for FY 2026-27 at such lower level all of a sudden. In

reality, the P&ED had not achieved much besides a lot more still need to be done internally to reach such loss values and it is not possible to achieve in one year's time all of a sudden. In this regard, though the P&ED filed distribution losses at 24.50% and the Commission felt it sapient to adopt the Distribution Loss at 24.00% instead of setting to unreachable losses target figure under the RDSS scheme at 14.00% even for FY 2026-27. Having perceived the reality and feasibility of the P&ED's present achievable position, the Commission felt it more appropriate to set the Distribution loss at a reachable level step by step and not at abnormal level. **Any deviation from this level will be view seriously and levy penal action financially for under performance in every year hence forward.** Thus, the Energy balance, power purchase quantum and the Outside State Sales were re-derived with 24.00% loss values which are indicated below at relevant foregoing paras.

7.5 Power purchases & Own generation

7.5.1 P&ED Mizoram's Own Generation & Solar Generation

Petitioner's submission

The P&ED Mizoram's own generation for the FY 2026-27 as approved by the Hon'ble Commission & P&ED Mizoram revised the own generation based on the actual generation for the FY 2024-25 & revised estimate for the FY 2025-26. Details are provided in the table below:

Table 7.4: P&ED Mizoram's Own Generation FY 2026-27 (In MUs)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Total Generation (Net)	31.07	34.99	3.92
	Total	31.07	34.99	3.92

It is submitted that Amazon Engineering have been undertaking Operation & Maintenance (O&M) of **Khawiva SHP, Tuipui SHP & Kau Tlabung SHP** and Assam Petroleum Ltd have been undertaking Operation & Maintenance (O&M) of Teirei SHP on behalf of P&ED Mizoram. Further, the Installed Capacity & energy generation is included in the books of P&ED Mizoram. **The net generation of 0.02 MUs for Lengpui project & 1.38 MUs for State Solar Generation is included in the total net generation of 34.99 MUs.**

Commission's Analysis

In the above table, the energy considered by P&ED for Own stations energy is only 33.59MU along with state solar generation of 1.38MU and Lengpui diesel set energy of 0.02MU add-up to 34.99MU. But the State solar generation figure was revised to 13.22MU instead of 1.38MU on 5th March 2026 so as to make it 46.81MU as per the Commission duly ignoring the Lengpui energy of 0.02MU.

As seen from the present ARR filing submission by P&ED indicates Own generating capacity at 38.85MW with net energy availability at 34.99MU. Now in this filing the P&ED had also considered the **Kawlberm-4MWs SHP** energy into gross Own installed capacity which was **commissioned on 15th December 2022**. Thus, the total P&ED installed capacity rose to 38.35MWs including the Serlui-B station constantly awaiting its Commercial Operation declaration and while ignoring the 0.50MWs of Lengpui diesel set capacity installed at Lengpui Airport.

After having carefully observed, leaving aside the three (3) plants managed by **M/s. Amazon Engineering PVT Ltd** and the one (1) Teirei-3MWs SHP now stated to by **M/s. Assam Petroleum Ltd**, the effectively remaining SHPs in operation are the following tabulated plants with installed capacity of 26MWs only but not the grand total figure of 38.35MWS as because there are some old plants with installed capacity of 4.80MWs are not generating any energy. **The following table clearly depict the power stations now in effective operation.**

Sl. No.	SHP Name	Inst. Cap (MWs)	COD Date	Present Plant Status
A - SHP Power Plants not Generating Power				
1.	Serlui-A SHP	1.00	24.04.1984	Out of Commission
2.	Tuirivang SHP	0.30	14.08.1989	---- do ----
3.	Tuipanglui SHP	3.00	17.12.2004	No generation
4.	Lamsial SHP	0.50	26.08.2008	---- do ----
5.	Lengpui (diesel)	0.50	No data	Standby unit kept at Airport
	Subtotal (A)	5.30		Nil Energy
B - Effectively Power generating Own Small Hydro Plants (SHP) stations				
6.	Maicham-I	2.00	05.01.1996	Generating power
7.	Maicham-II	3.00	11.11.2009	-- do --
8.	Tlawva	5.00	13.05.2022	---- do ----
9.	Kawlberm	4.00	15.12.2022	---- do ----
10.	Serlui-B	12.00	Awaiting COD	Infirm power
	Subtotal (B)	26.00		Power is being Generated
C - SHPs managed by outside Agencies				Name of Pvt Agency
11.	Khawiva SHP	1.05	08.12.1988	Amazon Engg.
12.	Tuipui SHP	0.50	15.12.1991	-- do --
13.	Kau Tlabung SHP	3.00	05.05.2005	-- do --

Sl. No.	SHP Name	Inst. Cap (MWs)	COD Date	Present Plant Status
14.	Teirei SHP	3.00	12.10.1999	Assam Petroleum
	Subtotal (C)	7.55		
	Grand Installed Capacity	38.85	Installed Capacity shown in ARR	

The three (3) plants are being maintained by M/s. Amazon Engineering and the one (1) is managed by M/s. Assam petroleum were also included in their own generation. But in reality, these plants were leased-out to outside agencies besides P&ED also paid charges to the tune of **Rs.1.21Cr**s as mentioned by P&ED in their petition submission for FY2024-25 towards Operating and Maintenance charges for these four (4) plants. Thus, though these plants are technically forming part of P&ED Own Generation but they are being managed/maintained by an outside agency and not by P&ED itself. In addition, some costs/charges are being paid by P&ED for availing power supply from their own four plants. Hence, it is appropriate that the P&ED instead of claiming Generation ARR for each such four plants individually as per norms should only claim the actual maintenance charges payable for these four (4) plants and Commission considered Rs.1.35Crs as these charges during FY2026-27 provisionally.

The Commission, thus draws an inference that P&ED effectively drawing Own energy generation of 5.257MU only from five (5) plants. The energy expected from outside agencies is not clearly indicated in their filing but shown in Generation related ARR expecting about **8.949MU** from those four plants. Accordingly, the remaining net generation of **19.38MU** so projected is construed to be contributed by Serlui-B SHP, Lengpui diesel set as was shown in the Generation ARR filing for FY2026-27 is now ignored so as to make the total expected energy to be **33.59MU** before adding the revised State solar generation of **13.22MU** including energy from Thenzawl solar plant.

The details of the plants included in Solar Generation considered for **as per the revised ARR submission** are as follows:

Sl. No.	Solar Plants details for FY2026-27	Energy Units (in MUs)
1.	SPV Solar Plant at KHAWIVA	--
2.	Roof-Top SPV solar Power at KAWLPHETHA Building Office.	--
3.	SPV Solar Plant at SIHHMUI	0.06
4.	SPV Solar Plants at MELRIAT	0.03
5.	Solar plant at TLUNGVEL	1.28
6.	Solar Plant at Thenzawl (10MWs)	11.85
	Grand total of Solar Generation	13.22

In the energy projection for FY2026-27, the P&ED had afresh included the solar energy being generated from 10MWs Thenzawl plant already Commissioned on 20th December 2025 with estimated energy of 11.85MU was intimated by P&ED to Commission on 5th March 2026 for inclusion. Besides, the installed capacity was also not updated on account of newly commissioned solar plant. Since, the energy balance and other scenarios will all be influenced by this aspect, the need for their inclusion was insisted by the Commission and accordingly the P&ED had submitted the above revised energy figure.

7.5.2 Power Purchase

Petitioners Submission:

It is submitted that the power purchase units for the FY 2026-27 have been revised based on the actual purchase for the FY 2024-25 & revised estimate for the FY 2025-26. The power purchase units for the FY 2026-27 as approved by the Hon'ble Commission & revised estimate is provided in the table below:

Table 7.5: Power Purchase Units FY 2026-27

(In MUs)				
Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Power Purchase Units	856.88	1014.99	158.11
	Total	856.88	1014.99	158.11

Commission's Analysis

In the above table, the units indicated are exclusive of State Own SHPs, Lengpui DG set and State Solar energy quantum. The Commission too approves the power purchase quantum for FY 2026-27 from all available sources amounting to **1044.63MU** are detailed in the table below.

Table 7.6: Power purchase quantum approved by the Commission for FY 2026-27

Sl. No	Source	Installed Capacity	P&ED Share	P&ED Share	Energy Purchase
A	Central Generating Stations	(MW)	(%)	(MW)	(MU)
I	NTPC Source				
1	Bongaigaon TPS	750	5.415	40.61	201.576
2	Farakka STPS	1600	0.142	2.27	16.816
3	Kahalgaon STPS	840	0.142	1.19	8.656
4	Talcher STPS	1000	0.142	1.42	10.795
	NTPC-Total	4190		45.49	237.843
II	NHPC Source				
1	Loktak HEP	105	5.02	5.27	33.83

Sl. No	Source	Installed Capacity	P&ED Share	P&ED Share	Energy Purchase
	NHPC-Total	105		5.27	33.83
III	NEEPCO Source				
1	Kopili - I HEP	200	4.610	9.22	35.61
2	Kopili - II HEP	25	6.040	1.51	9.72
3	Khandong HEP	50	3.940	1.97	12.93
4	Ranganadi HEP	405	5.700	23.09	62.21
5	Doyang HEP	75	5.250	3.94	9.78
6	Pare HEP	110	5.765	6.34	23.20
7	Tuirial HEP	60	100.00	60.00	229.36
	Free Power Units				31.28
8	AGBPP	291	5.409	15.74	60.42
9	AGTPP	135	6.005	8.11	24.13
	NEEPCO-Total	1351		129.91	498.63
IV	TSECL Source (Tripura)				
1	Baramura - IV	21	25	5.25	0.00
2	Baramura - V	21	25	5.25	
	TSECL-Total	42		10.50	0.00
V	OTPC (ONGC Tripura Power Coy)				
1	Palatana	726	5.785	42.00	190.53
	OTPC-Total	726		42.00	190.53
	Total CGS & Other outside sources	6414.00		233.18	960.83
C	State Own Generation (SHP)	38.35	100	38.35	33.59
D	UI / Deviation				---
E	Solar purchase				36.99
F	State Solar Generation	12.35		12.35	13.22
G	RPO Obligation				0.00
	GRAND TOTAL	6464.70		283.88	1044.63

The above energy is after inclusion of power generation from already commissioned 10MWs plant at Thenzawl (as on 20th December 2025) was intimated by P&ED on 5th March 2026 in response to additional queries from Commission. The UI purchase transaction values were ignored now as P&ED had adequate power surplus in their energy projection. However, the P&ED may resort to UI power procurement only in any situation to tide over any unforeseen exigencies in order to meet the short-term power demand gap in order to avert power supply interruptions within the State. In the above P&ED share, the Lengpui diesel set plant capacity of 0.50MWs as well as energy quantum of 0.02MU so projected by P&ED in its filing was ignored by Commission as it is not connected to State Grid.

However, the RPO obligation requirement was also derived by Commission based on the approved power purchases quantum. There is no need found by Commission

to procure RPO obligation-based certificates since of the obligation is fully complied with the provisions stipulated in MZERC notification Dt.18th November 2024 even for FY 2026-27.

The detailed calculation of RPO obligation cost so arrived at is tabulated under the power purchase cost item in the forthcoming paras of this chapter for reference.

7.6 Energy Balance

7.6.1 The energy balance sheet submitted by P&ED for FY2026-27

Table 7.7: Energy Balance FY 2026-27

Sl. No.	Energy Balance	Approved in T.O. dated 28.03.2023	As revised by P&ED on 05.03.2026	Deviation
A	Energy Requirement			
1	Energy Sales (MU)	589.05	553.14	-35.91
2	Distribution Loss (%)	19.62%	24.50%	4.88%
3	Distribution Loss (MU)	143.80	179.45	35.65
4	Total Energy Requirement	732.85	732.60	-0.25
B	Energy Availability in MUs			
5	State Own SHP Generation (MU)	31.07	33.61	2.54
6	Energy Purchase from ER (MU)	33.40	36.27	2.87
7	Less: ER Pool Loss (%)	1.95%	1.90%	0.00
8	Less: ER Pool Loss (MU)	0.65	0.69	0.04
9	Net Energy for ER (MU)	32.75	35.58	2.83
10	Energy Purchase from NER (Excl. power from Tuirial HEP) (MU)	595.80	681.10	85.30
11	UI / Deviation (MU)	0.00	0.00	0.00
12	Sub Total	628.55	716.68	88.13
13	Less: NER Pool Loss (%)	2.36%	2.21%	0.00
14	Less: NER Pool Loss (MU)	14.83	15.84	1.00
15	Net Energy at NERLDC (MU)	613.72	700.84	87.11
16	Tuirial HEP Energy purchases (MU)	170.93	229.36	58.43
17	Tuirial HEP Free Energy (MU)	23.31	31.28	7.97
18	State Solar Purchase (MU)	0.07	36.99	36.92
19	State Solar Generation (MU)	2.30	13.22	10.92
20	Total Energy Available (MU)	841.40	1045.30	192.04
21	Less: Outside State – Trading (MU)	93.59	297.75	204.16
23	Total Energy at periphery (MU)	747.81	747.55	-0.27
24	Less: Intra State Tr. Loss (%)	2.00%	2.00%	0.00
25	Less: Intra State Tr. Loss (MUs)	14.96	14.95	-0.01
26	Net Energy Available	732.85	732.60	-0.26
27	Less: Energy needed at State Periphery	732.85	732.60	-0.25
28	ENERGY SURPLUS/(DEFICIT)	0.00	0.00	0.00

Commissions' Analysis

The energy balance projections so revised by P&ED on 5th March 2026 for FY 2026-27 is approved by the Commission duly adopting the applicable ER and NER loss values so published in their compendium relating to FY2024-25 and those other losses so approved by the Commission is provided in the table below:

Table 7.8: Energy Balance approved for FY2026-27 by Commission

Sl. No.	Energy Balance FY 2026-27	P&ED Projected	Now Approved
A	Energy Requirement	MU	MU
1	Energy Sales (MU)	553.14	553.14
2	Distribution Loss (%)	24.50%	24.00%
3	Distribution Loss (MUs)	179.46	174.68
4	Total Energy Requirement	732.60	727.82
B	Energy Availability	(MU)	(MU)
5	Energy Purchase from ER	36.27	36.27
6	Less: ER Pool Loss (%)	1.90%	1.90%
7	Less: ER Pool Loss (Mus)	0.69	0.69
8	Net Energy from ER (MU)	35.58	35.58
9	Purchase from NER (Excl. Tuirial HEP Power)	681.10	663.93
10	Energy procured from all external sources (8+9)	716.68	699.51
11	Add: UI Over-drawl	--	--
12	Less: UI Under drawl	--	--
13	Gross Energy handled at NER Grid	716.68	699.51
14	Less: NER Pool Loss (%)	2.21%	2.21%
15	Less: NER Pool Loss (MUs)	15.84	15.46
16	Net Energy from sources outside Mizoram (13-15)	700.84	684.05
17	Less: Sales at IEX/OSS	-297.74	-285.81
18	Net Energy of NERLDC after IEX/OSS	403.10	398.24
19	Energy purchases from Tuirial HEP	229.36	229.36
20	Free Energy from Tuirial HEP	31.28	31.28
21	Rooftop Solar Generation	36.99	36.99
22	State Solar Generation	13.22	13.22
23	State Own Generation (SHP)	33.61	33.59
24	Total Energy Available at State Periphery	747.55	742.67
25	Less: Intra State Tr. Loss (%)	2.00%	2.00%
26	Less: Intra State Tr. Loss (MUs)	14.95	14.85
27	Net Energy Available for Distribution Input	732.60	727.82
28	Less: Input Energy needed for Distribution	732.60	727.82
29	T&D Losses (MU)	194.41	189.53
30	T&D Losses (%)	26.01%	25.52%

In this process, the Commission had adopted a step-by-step procedure that

practically occurs in the energy handling process with an intention to depict the situation much closer to reality and arrived at the losses and the Outside state sales quantum after drilling down the projected energy quantum from costly stations judiciously to economise the total cost. In this process, the Commission had assumed the transmission losses at 2% of the energy input at state periphery of P&ED network for entire FY2026-27 energy need.

Thus, applying 24% Distribution Losses in energy balance derivation resulted in surplus of power at **285.81MU** (instead of the projected quantum of 297.74MU) which the P&ED may contemplate to sell through traders or under IEX sale @ 4.612/kWh. However, as already explained, the NERLDC losses were adopted at **2.21%** as per NER Compendium data figure for FY 2024-25 and ERLDC losses were considered at **1.90%** figure based on their respective annual compendium issued for FY2024-25 in the absence of accurate data value applicable for FY2026-27. (Both the compendium pages are placed at Annexure-VI & VII at the end of this Tariff Order for reference.)

7.7 Aggregate Revenue Requirement components

7.7.1 Cost of Fuel

The fuel cost for the FY 2026-27 as approved by the Hon'ble Commission is provided in the table below. P&ED Mizoram is not proposing any changes to the approved cost.

Table 7.9: Fuel Cost FY 2026-27

(In Rs Crores)				
Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Cost of Fuel	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission Analysis:

The Commission too approves NIL charges towards fuel costs for FY 2026-27, basing on the historical cost data on this head of account. As this should not be applicable to DG Set plant installed at Lengpui Airport as standby unit as no energy from this plant is being injected into State Grid.

7.7.2 Cost of Generation

Petitioners Submission:

The Cost of Generation for the FY 2026-27 as approved by the Hon'ble Commission & revised estimate is provided in the table below.

Table 7.10: Cost of Generation FY 2026-27

(In Rs Crores)				
Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Cost of Generation	6.13	13.09	6.96
	Total	6.13	13.09	6.96

Commission Analysis:

Upon scrutiny of the Generation function ARR filed separately in P&ED submission for FY 2026-27, the Commission strongly consider to approve Generation ARR cost amount for all the plant together which will the O&M amount being paid for the four (4) leased-out stations as mentioned already above.

Generation function ARR approved by Commission

Particulars	FY2026-27
ARR of Generation Cost	10.32 Crs

The Commission adopts the MYT based Generation ARR calculation so made earlier for this FY2026-27. The detailed explanation has been indicated under Generation ARR chapter separately dealt in this Tariff Order which includes the plant maintenance charges of **Rs. 1.35Crs being proposed to pay to outside two agencies maintaining the said four (4) SHP plants** stated in the paras 7.5.1 above.

7.7.3 Power Purchase Cost

Petitioner's submission

The Hon'ble Commission in the Tariff Order dated 28.03.2023 had approved a power purchase quantum of 856.88 MUs at a total cost of **Rs 486.20 Crores** for the FY 2026-27. As submitted above the estimate of power purchase quantum for the FY 2026-27 is proposed to be revised to 1014.99 MUs. It is submitted that the power purchase cost for the FY 2026-27 has been revised based on the actual

purchase for the FY 2024-25 & revised estimate for the FY 2025-26. Accordingly, the power purchase cost is also proposed to be revised.

Further, the cost towards RPO has been arrived in accordance with the RPO targets prescribed in the RPO regulations. The target for Wind RE, Hydro RE, Distributed RE & Other RE % for the FY 2026-27 is given in the table below:

Table 7.11: Percentage of RE Target for Wind RPO, HPO & Other RPO

Year	Wind RE	Hydro RE	Distribution RE	Other RE	Total
1	2	3	4	5	6
2026-27	1.97%	1.34%	2.70%	29.94%	35.95%

For all the RPO category purchases, the prescribed target as per above table has been applied on the base figure of **732.60 MUs** (Distribution Input quantity) for the FY 2026-27.

P&ED Mizoram shall meet the requirement of Wind RE, Hydro RE & Other RE from its power procurement which is projected in total at 253.48 MUs for the FY 2026-27. **Accordingly, there is no fund needed for meeting Wind RE, Hydro RE & Other RE target, its already projected as achieve.**

Further, P&ED Mizoram shall meet the requirement of Distributed RE from its power procurement which is projected at 9.89 MUs for the FY 2026-27. Accordingly, there is no fund needed for meeting Distributed RE target, its already projected as achieve. **So, there is no need to project any cost towards purchase of REC certificates to meet the RPO obligation.**

Detailed power purchase station wise units and cost is provided in the Format – F1 (ii) & F1a (ii). Considering the above the Hon'ble Commission is requested to allow the power purchase costs as projected by P&ED Mizoram for the FY 2026-27. The comparison of the approved power purchase cost and the revised estimate as arrived above is given in the table below.

Table 7.12: Power Purchase Cost FY 2026-27

(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Power Purchase Cost	486.20	507.73	21.53
	Total	486.20	507.73	21.53

Commission analysis:

As against the above revised power purchase quantity of 1061.82MU and projected cost of Rs.507.73Cr by the P&ED on/before 5th Mar 2026, the Commission after careful examination had approved the following quantity and cost for each station, but the values indicated is for year FY2026-27 are derived based on FY 2024-25 cost figures. The station wise quantum and cost details as per P&ED and also as per Commission approved are individually tabulated below for reference.

Table 7.13: Power Purchase Cost projected by the P & ED for the FY 2026-27

Sl. No.	Sources of Energy FY 2026-27	Plant Capacity (MW)	P&ED Share (%)	P&ED Share (MWs)	Energy (MU)	Total Cost (Rs.Crs)	CPU (Rs./k Wh)
A	CGS - NTPC Stations						
1	NTPC Bongaigaon Unit I	750	5.415	40.61	213.41	158.23	7.41
2	Farakka STPS	1600	0.142	2.27	16.82	8.09	4.81
3	Kahalgaon STPS	840	0.142	1.19	8.66	4.03	4.65
4	Talcher STPS	1000	0.142	1.42	10.80	3.10	2.87
	Sub Total - NTPC	4190		45.49	249.69	173.45	6.95
B	CGS - NHPC						
1	Loktak HEP	105	5.02	5.27	33.83	11.40	3.37
	Sub-Total - NHPC	105		5.27	33.83	11.40	3.37
C	NEEPCO						
1	Kopili - I HEP	200	4.610	9.22	35.61	9.00	2.53
2	Kopili - II HEP	25	6.040	1.51	9.72	2.57	2.64
3	Khandong HE	50	3.940	1.97	12.93	4.43	3.43
4	Ranganandi HE Project	405	5.700	23.09	62.21	19.65	3.16
5	Doyang HE Project	75	5.250	3.94	9.78	8.26	8.45
6	Pare HEP	110	5.765	6.34	23.20	13.33	5.75
7	Tuirial HEP	60	100	60.00	229.36	103.53	3.97
8	<i>Tuiria HEP - Free Power</i>				31.28		
9	Assam GBPP	291	5.409	15.74	61.31	50.23	8.22
10	Agartala GTPP	135	6.005	8.11	24.13	19.16	7.94
	Sub-total	1351		129.91	499.35	230.16	4.61
D	Other Supplies						
1	Baramura GBPP Unit IV & V	42	25.00	10.50	0.00	0.00	0.00
2	OTPC - Pallatana	726	5.785	42.00	195.15	76.62	3.93
	Sub-total	768		52.25	195.15	76.62	3.93
	Total CGS & Other Purchases	6414		233.18	978.02	491.63	5.03
E	Short-term power purchase						
	IEX Purchase				0	0	0
	Sub-total				0	0	0
F	State Own Generation						
	P&ED Owned plants	38.85	100	38.85	33.61	0	
G	UI Over drawl				0	0	0
	UI Under draws				0	0	0

Sl. No.	Sources of Energy FY 2026-27	Plant Capacity (MW)	P&ED Share (%)	P&ED Share (MWs)	Energy (MU)	Total Cost (Rs.Crs)	CPU (Rs./k Wh)
H	Solar Purchases				36.99	16.05	4.34
I	State Solar Generation	12.35	100	12.35	13.22	0	0.00
J	REC Certificate/Obligation					0.00	
K	Reactive Energy charges					0.05	
L	LC Enhance/Renewal charges.					0	
M	Addl. Supplementary Bills					0	
	GRAND TOTAL	6465.20		284.38	1061.82	507.73	4.78

As such the Commission has now considered power purchase from all those stations so projected by P&ED in quantity from each of those stations and its cost and thus the total power purchase quantity approved for FY2026-27 has been limited to **1044.63MU** as against the P&ED filed figures. **Accordingly, the applicable Power purchase cost is approved at Rs.498.33Crs by Commission** with an Avg. CPU at Rs.4.77/kWh for FY 2026-27 as detailed in the table below:

Table 7.14: Power Purchase Cost approved by the Commission for the FY 2026-27

Sl. No.	Energy Source	Plant Capacity (MW)	Share (%)	P&ED Share (MWs)	Energy Purchase (MU)	Total Cost (Rs./Crs)	CPU (Rs./kWh)
A	CGS - NTPC Stations						
1	NTPC Bongaigaon Unit I	750	5.415	40.61	201.58	149.37	7.41
2	Farakka STPS	1600	0.142	2.27	16.82	8.09	4.81
3	Kahalgaon STPS	840	0.142	1.19	8.66	4.03	4.66
4	Talcher STPS	1000	0.142	1.42	10.80	3.10	2.87
	Sub Total - NTPC	4190		45.50	237.84	164.59	6.92
B	CGS - NHPC						
1	Loktak HEP	105	5.02	5.27	33.83	11.40	3.37
	Sub-Total - NHPC	105		5.27	33.83	11.40	3.37
C	NEEPCO						
1	Kopili - I HE	200	4.61	9.22	35.61	9.00	2.53
2	Kopili - II HE	25	6.04	1.51	9.72	2.57	2.64
3	Khandong HE	50	3.94	1.97	12.93	4.43	3.43
4	Ranganandi HE Project	405	5.70	23.09	62.21	19.65	3.16
5	Doyang HE Project	75	5.25	3.94	9.78	8.26	8.44
6	Pare HEP	110	5.765	6.34	23.20	13.33	5.75
7	Tuirial HEP	60	100	60.00	229.36	103.53	3.97
8	Tuirial HEP - Free Power				31.28		
9	Assam GBPP	291	5.409	15.74	60.42	49.69	8.22
10	Agartala GTPP	135	6.005	8.10	24.13	19.16	7.94
	Sub-total	1351		129.91	498.63	229.62	4.61
D	Other Supplies						
1	Baramura GBPP Unit IV & V	42	25	10.50	0.00	0.00	--
2	OTPC - Pallatana	726	5.785	42.00	190.53	76.62	4.02
	Sub-total	768		52.50	190.53	76.62	4.02

Sl. No.	Energy Source	Plant Capacity (MW)	Share (%)	P&ED Share (MWs)	Energy Purchase (MU)	Total Cost (Rs./Crs)	CPU (Rs/ kWh)
	Total CGS & Other Purchases	6414		233.18	960.83	479.73	5.02
E	Short-term power purchase						
	IEX Purchase				---		
	Sub-total				0		
F	State Own Generation						
	P&ED maintained SHP Units	38.35	100	38.35	33.59	0	0.00
G	UI Over drawl				0	0	
	UI Under draws				0	0	
H	Solar purchase				36.99	16.05	4.34
I	Solar Generation	12.35	100	12.35	13.22	0	0
J	REC Certificate/Obligation					NIL	
K	Reactive Energy charges					0.05	
L	LC Enhance/Renew charges.					0	
M	Addl. Supplementary Bills					0	
	GRAND TOTAL	6464.70		283.88	1044.63	498.33	4.77

The details of various Roof-top solar generation energy & cost P&ED have projected to procure from the following power plants during FY 2026-27:

Sl.No.	Solar Power Suppliers	Units (Mus)	Amount (Rs.Crs)
1	SUNFREE for Vankal	28.44	12.34
2	ATA for Vankal	8.37	3.61
3	Local Solar Purchase	0.18	0.09
	Grand Total	36.99	16.05

The above table of gross purchase cost is after due examination of RPPO obligation quantum and found to be **nil** amount upon through examination. While the Commission adopted RPPO obligation calculation is tabulated below for reference.

Sl. No.	Particulars (P&ED) – FY 2026-27	Formula	Unit	Quantum
1	Energy Consumption in Distribution area		MU	727.82
2	Total RPO Target (Overall)		%	35.95%
3	Total RE purchase requirement	1*2	MU	261.65
4	Wind Renewable Energy Target		%	1.97%
5	Wind Power purchase requirement	1*4	MU	14.34
6	Hydro Renewable Energy Target		%	1.34%
7	Hydro Power purchase requirement	1*6	MU	9.75
8	Distributed Renewable Energy Target		%	1.35%
9	Distributed Renewable Energy requirement	1*8	MU	9.83
10	Other Renewable Energy Target		%	31.29%
11	Other RE Purchase Requirement	1*10	MU	227.73

Sl. No.	Particulars (P&ED) – FY 2026-27	Formula	Unit	Quantum
12	Wind RE actual achievement	Input Data	MU	0.00
13	Surplus / (Deficit) in Wind RE purchase	(12-5)	MU	-14.34
14	WPO achievement (%)	12/5	%	0%
15	HPO (Hydro) RE actual achievement	Input Data	MU	0.00
16	Surplus/ (Deficit) in (Hydro Power) purchase	(15-7)	MU	-9.75
17	HPO achievement (%)	15/7	%	0%
18	Other RE purchase (a+b+c+d+e)	Input data	MU	494.71
a	Co-generation		MU	0
b	Small Hydro		MU	33.59
c	Biomass		MU	0
d	Solar Purchases		MU	13.22
e	Others		MU	447.90
19	Surplus / (Deficit) in Other RE purchase	18-11	MU	266.98
20	Other RE RPO achievement (%)	18/11	%	217%
21	Distributed RE actually achievement	Input data	MU	36.99
22	Surplus/(Deficit) in Distribution RE purchase	21-9	MU	27.17
23	Distribution RE achievement (%)	21/9	%	376%
24	Total RE purchase achievement	12+15+18+21	MU	531.70
25	RE Purchase achievement in %	24/3	%	203.21%
26	RPO deficit /(surplus) to be fulfilled	3-24	MU	-270.05
27	RE Certificates procurement need (if any)		Crores	0.00

7.7.4 Inter-State Transmission Charges

Petitioners Submission:

It is submitted that the transmission charges for the FY 2026-27 has been revised based on the actual transmission charges for the FY 2024-25 & revised estimate for the FY 2025-26. The transmission charges for the FY 2026-27 as approved by the Hon'ble Commission & revised estimate is provided in the table below.

Table 7.15: Transmission Charges FY 2026-27

(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Transmission Charges	75.33	53.62	-21.71
	Total	75.33	53.62	-21.71

Commission's Analysis:

These Inter-state transmission charges (PGCIL) as was approved by the Commission for FY 2026-27 in the MYT Order is higher compared to Rs.53.62Cr now projected by the Licensee. This revised cost is found to be reasonable basing

on the actual expenditure trend. Hence, Commission too adopted the cost value of **Rs.53.62Cr**s so projected by the Licensee instead of the MYT Order value.

7.7.5 Intra-State Transmission Charges

Petitioner's submission

The Intra- State Transmission Charges for the FY 2026-27 as approved by the Hon'ble Commission & revised estimate is provided in the table below.

Table 7.16: Intra- State Transmission Charges FY 2026-27

(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Intra-State Transmission Charges	57.73	45.89	-11.85
	Total	57.73	45.89	-11.85

Commission Analysis:

These Intra-state transmission (STU) charges approved earlier by the Commission for FY 2026-27 in the MYT Order is higher than Rs.45.89Cr now projected by the Licensee for this year. The Commission approves the revised STU Transmission charges at **Rs.44.81Cr**s and the item-wise detailed break-up so worked out by Commission are available in the Transmission ARR function chapter of this order for reference and detailed derivation of each element.

7.7.6 O&M Expenses

Petitioner's submission

Operation & maintenance expenses comprise of the following heads of expenditure viz.

- Employee Expenses
- Administration & General Expenses
- Repair & Maintenance Expenses

(a) Employee Expenses

It is submitted that the Employee cost for the year FY 2026-27 has been revised based on the actual Employee cost for the FY 2024-25 & revised estimate for the FY 2025-26. The actual employee cost for the FY 2025-26 (H1) i.e. 1st April, 2025 to 30th September, 2025 is **Rs 91.78 Crores** for P&ED Mizoram as a whole (Distribution, Transmission & Generation). Similarly,

Rs 91.78 Crores projected for FY 2025-26 (H2) for P&ED Mizoram as a whole (Distribution, Transmission & Generation). Accordingly, the employee expenses for the FY 2026-27 based on cost estimated in FY 2025-26 after escalating the same by 5.72% year over year to factor in the rise in the rates. The employee cost of Rs 135.85 Crores as projected **for the FY 2026-27 only relates to the distribution function.** The Employee cost for the FY 2026-27 as projected & approved by the Hon'ble Commission is provided in the table below.

Table 7.17: Employee Cost FY 2026-27**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED	Deviation
1	2	3	4	5
1	Employee Cost	156.92	135.85	-21.07
	Total	156.92	135.85	-21.07

Commission's Analysis

It is not understood as to how it is adequate while looking at the actuals spent for FY 2024-25 at Rs.185.37Cr for the entity while P&ED now claims for Rs.135.85Cr without any justification. Even in FY2025-26 also the total claim for Employee cost for all three functions together is at Rs.128.50Cr. Keeping in view of the Licensee's projection, the Commission accords approval of employee cost at Rs.135.85Cr without making any change to ARR figure for FY2026-27.

(Rs. Crs)

Particulars	Approved in MYT order	P&ED projected	Approved by Commission
Employee cost	156.92	135.85	135.85

So long P&ED don't indicate the functional wise employee details, the estimation of distribution ARR cost purpose will be based on a crude approach and same needs to be realised by Licensee despite insisted by the Commission from FY2022-23 onwards.

(b) Administrative and General Expenses**Petitioner's submission**

It is submitted that the Administration & General Expenses for the FY 2026-27 has been revised based on the actual Administration & General Expenses for the FY

2024-25 & revised estimate for the FY 2025-26. The actual A&G expenses for the FY 2025-26 (H1) i.e. 1st April, 2025 to 30th September, 2025 is Rs 3.86 Crores for P&ED MIZORAM as a whole (Distribution, Transmission & Generation). Similarly, Rs 3.86 Crores projected for FY 2025-26 (H2) for P&ED Mizoram as a whole (Distribution, Transmission & Generation). Accordingly, the A&G expenses for the FY 2026-27 based on cost estimated in FY 2025-26 after escalating the same by 5.72% year over year to factor in the rise in the rates. The Administration & General Expenses of Rs 5.71 Crores as projected **only relates to the distribution function**. The Administration & General Expenses for the FY 2026-27 as projected & approved by the Hon'ble Commission is provided in the table below.

Table 7.18: Administration & General Expenses FY 2026-27

(In Rs. Crores)

Sl. No	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED	Deviation
1	2	3	4	5
1	Administration & General Expenses	2.26	5.71	3.45
	Total	2.26	5.71	3.45

Commission's Analysis

Since the A&G Expenses now claimed for FY 2026-27 is at Rs.5.71Cr construed to be for the entire entity. The Commission too approves A&G expenses at Rs.5.71Cr by adopting the ARR filing figure.

c) Repairs and Maintenance Expenses

It is submitted that the Repair & Maintenance Expenses for the FY 2026-27 has been revised based on the actual Repair & Maintenance Expenses for the FY 2024-25 & revised estimate for the FY 2025-26. P&ED Mizoram has projected the R&M expenses in accordance with the Regulation 89.6 of The Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014. The actual R&M expenses for the FY 2025-26 (H1) i.e. 1st April, 2025 to 30th September, 2025 is Rs. 11.14 Crores for P&ED Mizoram as a whole (Distribution, Transmission & Generation). Similarly, Rs. 11.14 Crores projected for FY 2025-26 (H2) for P&ED Mizoram as a whole (Distribution, Transmission & Generation). Accordingly, the R&M expenses for the FY 2026-27 based on cost estimated in FY 2025-26 after escalating the same by 5.72% year over year to factor in the rise in the rates. The Repair & Maintenance Expenses of Rs. 8.88 Crores as projected **only relates to the distribution function**. The Repair & Maintenance Expenses for the

FY 2026-27 as projected & approved by the Hon'ble Commission is provided in the table below.

Table 7.19: Repair & Maintenance Expenses FY 2026-27

In Rs. Crores)				
Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED	Deviation
1	Repair & Maintenance	14.13	8.88	-5.25
	Total	14.13	8.88	-5.25

Commission Analysis:

The Commission also considers to approve R & M expenses at the same level projected by the petitioner upon excluding the Maintenance charges being paid to outside two agencies leasing the four (4) SHPs stated in the foregone paras of FY2026-27. Now for this year commission consider Rs.1.35Cr as payable to outside agencies on provisional basis. Thus, the Commission approves the R&M Expenses at **Rs.7.53Cr**s duly excluding the value of Rs.1.35Cr here and added as generation cost ARR amount.

The Summary of O & M expenses approved by the commission are Tabulated below:

Table 7.20: O & M expenses approved by the Commission

Summary of approved O&M Expenses		(Rs . Crores)
		2026-27
a) Employee cost		135.85
b) Admin & General expenses		5.71
c) Repairs & maintenance expenses		7.53
O&M expenses approved		149.09

7.7.7 Capital Investment

Commission Analysis:

Summary of CWIP from FY 2024-25 to FY 2026-27 is furnished by the P&ED vide **Form F2C** is provided in the table below. But P&ED didn't offer any detailed explanation on any of the aspect of investments in their written submission.

(Figures Rs.Crs)				
Sl. No.	Particulars	FY 2024-25	FY 2025-26	FY 2026-27
A	Opening Balance of CWIP	1041.36	1118.36	1120.31
B	Fresh Investment during the year	124.32	73.61	26.00
C	Investment capitalised out of opening CWIP	47.32	71.66	26.00

Sl. No.	Particulars	FY 2024-25	FY 2025-26	FY 2026-27
D	Investment capitalised out of fresh investment			
	Total Capitalisation during the year (C+D)	47.32	71.66	26.00
	Closing Balance of CWIP (A + B - C - D)	1118.36	1120.31	1120.31

7.7.8 Depreciation

7.7.8.1 Depreciation

Petitioners' submission

P&ED Mizoram has projected the depreciation in accordance with the Regulation-28 of The Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014.

In this regard it is submitted that the GFA for the FY 2024-25 has got revised in accordance with the audited annual accounts for which true-up proposal is being submitted. The Fixed Asset & Depreciation Register for the FY 2024-25 is also being submitted. Therefore, the GFA & corresponding depreciation for the FY 2025-26 & FY 2026-27 also stands revised. The Depreciation is estimated for the FY 2026-27 at Rs. 0.19 Crores which is 1% of the projected depreciation & **only relates to the distribution function**. Details of category wise Assets & Depreciation is provided in the Format – F2 & F2a.

In view of the above it is requested that the Hon'ble Commission may kindly consider & approve the revised depreciation for the FY 2026-27. The depreciation approved by the Hon'ble Commission and revised depreciation for the FY 2026-27 is provided in the table below:

Table 7.21: Depreciation FY 2026-27

(In Rs. Crores)				
Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED	Deviation
1	2	3	4	5
1	Depreciation	0.00	0.19	0.19
	Total	0.00	0.19	0.19

Commission's Analysis**Table 7.22: Details of Own fund spent by P&ED to derive depreciation for FY 2026-27****(Rs. Cr)**

Item details	24-25	23-24	22-23	21-22	20-21	19-20
	Rs. Crs	Rs. Crs	Rs. Crs	Rs. Crs	Rs. Crs	Rs. Crs
Op. Balance of Capital Subsidy (Sch-34)	2690.29	2615.70	2560.03	2491.76	2432.15	2225.01
Add: Additions during the year	20.69	74.59	55.67	68.28	59.61	207.14
Total Capital Subsidy -- (A)	2710.99	2690.29	2615.70	2560.03	2491.76	2432.15
Original Cost of Fixed Assets (Sch-19) (B)	1695.73	1607.95	1576.11	1422.11	1379.16	1294.02
Excess of Capital Subsidy over OCFA (B-A)	1015.26	1082.34	1039.59	1137.92	1112.59	1138.13
OCFA upon Capital subsidy (%) - (B/A)	62.55%	59.77%	60.26%	55.55%	55.35%	53.20%

As can be seen from the above ratios of Gross Block of Assets to Capital Subsidies (Last row), is only 40% (approx.) indicates that all capital assets create were out of the capital subsidy by Government and no own funds invested to create capital assets in any of the above previous years. Hence, option to claim 10% of the annual depreciation claiming under the pretext of spending 10% own fund investment is also not a fact as the Capital Subsidy amount is always very much higher (twicer) than the Gross Asset values so far created is noted from the Audited Balance Sheets so far submitted from 2018-19 to FY2024-25.

The Licensee has deeply expressed its concern for disallowing the minimal 1% value of the total depreciation as it will send wrong signals to the general public despite possessing huge value of assets spread across all over the State catering energy needs of consumers of all walks of life and but no nominal depreciation was considered for in the ARR. Thus, P&ED had requested to reconsider the nominal depreciation amount of 1% of overall depreciation so reflected in the financial accounts for True-up & ARR purposes.

Hence, depreciation amount of Rs.0.19Cr as preferred by P&ED is approved for by the commission. However, it is to be noted that this consideration has been given by the Commission is only from FY 2024-25 onwards only.

7.7.9 Interest and Finance Charges**Petitioner's submission**

The Hon'ble Commission did not approve interest & finance charges for the FY 2026-27. P&ED also does not claim any amount relates to interest & finance charges for the FY 2026-27. However, the actuals shall be submitted at the time

truing-up.

The interest & finance charges as approved & proposed by P&ED for the FY 2026-27 are provided in the table below.

Table 7.23: Interest & Finance Charges FY 2026-27

(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Interest & Finance Charges	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's Analysis

The Licensee too didn't claim any interest & finance cost for FY 2026-27 and same depiction/reflection is seen in form-3b. Hence, no such charges under this head of account are allowed in the ARR determination for this year.

7.7.10 Interest on Working Capital

Petitioner's Submission

P&ED has followed the same methodology applied in the Tariff Order dated 24.03.2025 & does not claimed any amount relates to Interest on Working Capital. The Interest on Working Capital as approved for the FY 2026-27 and actual value of Interest on Working Capital for the FY 2026-27 is provided in the table below:

Table 7.24: Interest on Working Capital FY 2026-27

(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Interest on Working Capital	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's Analysis

No calculated amount was proposed for this purpose in FY 2026-27 and NIL amount of IWC is allowed adopting the same analogy as that of Return on Equity element to off-load the unnecessary burden on Consumers.

But these charges will only be considered for allowing it to be passed on to retail

consumers if the Short-term loans were availed actually during the period. Hence, the Commission **disapproves** Interest on Working Capital amount for FY 2026-27 adopting the same analogy as in the case of Return on Equity to off-load the unnecessary burden on Consumers.

7.7.11 Interest on Consumer Security Deposit

The interest on Consumer Security Deposit approved for the FY 2026-27 was on the basis of closing balance of Consumer Security Deposit. The interest on Consumer Security Deposit as approved and the revised estimate for the FY 2026-27 are provided in the table below:

Table 7.25: Interest on Consumer Security Deposit FY 2026-27
(In Rs Crores)

Sl. No	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Interest on Consumer Security Deposit	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's Analysis:

The Hon'ble Commission too did not approve Interest on consumer security deposit for the FY 2026-27, hence it is NIL Value.

7.7.12 Provision for Bad & Doubtful Debts

Petitioner's submission

The Hon'ble Commission did not approve Provision for Bad & Doubtful Debt for the FY 2026-27.

Table 7.26: Provision for Bad & Doubtful Debt FY 2026-27
(In Rs Crores)

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Provision for Bad Debt	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's Analysis

In case the bad debts found unrecovered, the P&ED which has to mitigate such losses by improved & efficient performance on its own or from the surplus revenue gained so far gained in the earlier years so recorded in the Tariff Orders issued and but it cannot pass it on to consumers in the form of ARR cost. The Commission would not consider/allow such bad debts provision in this year ARR.

The Criteria to consider this item depends upon the failure to collect the pending dues from defaulting consumers despite assiduous efforts made by P&ED to the satisfaction of the Commission.

7.7.13 Contributions to Contingency Reserve Fund

Petitioner Submission:

The Contingency Reserve Fund for the FY 2026-27 as approved by the Hon'ble Commission and the revised interest on working capital is provided in the table below:

Table 7.27: Contribution to Contingency Reserve Fund FY 2026-27
(In Rs Crores)

Sl. No	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Contribution to Contingency Reserve Fund	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission Analysis:

It was categorically stated by P&ED that it is not in a position to invest Contingency Reserve fund that it had collected from consumers through tariff in the past and as all the monies were getting deposited into Government treasury. Without the consent of Government of Mizoram (GoM) the said fund creation in a non-drawl account is not possible in the absence of independent financial control to P&ED. Hence, the fund collection for creation of reserve fund proposal is hence forth withdrawn by the Commission in view of this situation explained. The Hon'ble Commission did not approve any provision for creation of contingency reserve fund for FY 2026-27.

7.7.14 Non-Tariff Income

Petitioner's submission

The Other Income for the FY 2026-27 as approved by the Hon'ble Commission is provided in the table below. P&ED Mizoram is not proposing any changes to the approved Other Income.

Table 7.28: Other Income FY 2026-27**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Non-Tariff Income	10.02	9.80	-0.22
	Total	10.02	9.80	-0.22

Commission's Analysis

The Non-Tariff Income so projected by the Licensee is approved at Rs.11.05Cr for the FY 2026-27 as the amount projected by P&ED is inadequate and there is scope for its enhancement.

7.7.15 Return on Equity**Petitioner's submission**

The Hon'ble Commission did not approve Return on Equity for the FY 2026-27.

Table 7.29: Return on Equity FY 2026-27**(In Rs Crores)**

Sl. No.	Particulars	Approved in T.O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	2	3	4	5
1	Return on Equity	0.00	0.00	0.00
	Total	0.00	0.00	0.00

Commission's Analysis

Since P&ED is purely a Government Department, hence Return on Equity is not considered for in the absence of identifiable Equity component in their Audited annual Accounts statement of FY2024-25 submitted for scrutiny. For that matter same is the case even for earlier years also.

7.7.16 Efficiency Gains expected from Performance improvement by Licensee**Commissions Analysis:**

But in the present filing the Licensee had made no projection towards Efficiency gains for FY 2026-27.

The following are the various efficiency gains parameters to measure the achievement (already once specified in FY2022-23 Tariff Order) and the licensee shall invariably provide the same data in their future filings

Efficiency Gains achievement measuring parameters	
1	Collection of pending dues
2	Curbing of theft and Malpractices
3	Physical verification & reassessment of Contracted loads
4	Rectification of wrong of wrong category classification
5	Mixed Load identification and billing as per clause 1.11 of the General terms & conditions of the Tariff schedule

However, after careful consideration Commission adopted **nil** amount towards efficiency gains for FY 2026-27 in view of the surplus status indicated in FY2023-24 & 2024-25 also.

7.7.17 True-Up surplus from FY2024-25 for ARR adjustment in 2026-27

Though, P&ED had depicted **Rs.110.85Cr**s of surplus in FY 2024-25, it had ignored to considered 1/3rd of above surplus figure of **Rs.36.95Cr**s to reduce it from FY2026-27 ARR amount based on the MYT Regulation 2019. Had it been considered in their ARR submission, then the revenue deficit would have been only **Rs.132.58Cr**s instead of **Rs.169.53Cr**s after their due revision made on **5th Mar 2026** to initially submitted ARR figures.

After finalizing the True up of FY2024-25, the overall revenue surplus is arrived was at **Rs.116.81Cr**s duly considering **Rs.355.56Cr**s of Government subsidy shown (schedule-4 of proforma Accounts) as received during FY2024-25. As per the MYT Regulation-2019, one-third (1/3rd) of such excess) being **Rs.38.94Cr**s will be passed to consumers through ARR reduction in FY2026-27 to reduce the ARR burden on consumers.

7.7.18 Revenue from sale of power

P&ED Mizoram has calculated the Revenue from sale of power for the FY 2026-27 on the basis of the revised sale and existing tariff. The Revenue from sale of power for the FY 2026-27 on the basis of the existing tariff & Revenue on the basis of the revised sale is provided in the table below:

Table 7.30: Revenue at Existing Tariff for FY 2026-27 by P&ED
(In Rs. Crores)

Sl. No.	Category	Revenue at Existing Tariff
	LT Consumers	
1	Kutir Jyoti	2.37
2	Domestic	200.18
3	Non-Profit Public Purpose	14.55

Sl. No.	Category	Revenue at Existing Tariff
4	Commercial	44.33
5	Public Lighting	4.13
6	Agriculture	0.08
7	Public Water Works	1.23
8	LT Industrial	2.77
9	Electric Vehicle Charging	0.00
	Total LT	269.63
	HT Consumers	
10	Domestic	1.81
11	Non-Profit Public Purpose	8.22
12	Commercial	20.58
13	Agriculture	0.08
14	Public Water Works	133.37
15	HT Industrial	8.51
16	Electric Vehicle Charging	0.00
17	Bulk Supply	12.10
	Total HT	184.66
18	Total LT & HT	454.30
19	Outside State - Trading	137.32
	Total	591.62

Commission's Analysis:

The above revenue calculation had not considered the revenue from sale of Industrial HT Option-2 (TOD) category consumers and also the Electrical Vehicle Charging station both for LT and HT categories. In FY 2023-24, the Commission had introduced these new categories by fixing separate retail tariff to these categories of consumers. But the Licensee did not indicate any sales quantum for these categories even in this year. **However**, the Commission now makes minor revision in quantity projection to accommodate the Units sales to EV category in LT & HT for deriving revenues in FY2026-27, although no sales quantum was recorded/observed even in 2024-25 also. The category wise detailed estimate of revenue yield approved are tabulated below:

Table 7.31: Revenue at existing Tariffs for FY 2026-27 approved by Commission
(In Rs Crores)

Sl. No.	Category	Revenue at Existing Tariff
	LT Consumers	
1	Kutir Jyoti	2.139
2	Domestic	193.003
3	Non-Profit Public Purpose	14.055
4	Commercial	42.562
5	Public Lighting	3.206
6	Public Water Works	0.942

Sl. No.	Category	Revenue at Existing Tariff
7	Agriculture	0.077
8	LT Industrial	2.661
9	Electric Vehicle Charging	0.068
	Total LT	258.713
	HT Consumers	
10	Domestic	1.790
11	Non-Profit Public Purpose	7993
12	Commercial	19.706
13	Public Water Works	115.181
14	Agriculture	0.088
15	HT Industrial (Opt-1&2)	8.405
16	Electric Vehicle Charging	0.050
17	Bulk Supply	11.107
	Total HT	164.322
	Total LT & HT	432.04

7.8 Aggregate Revenue Requirement

It is submitted that P&ED Mizoram has proposed revisions in few components of Aggregate Revenue Requirement approved by the Hon'ble Commission in the MYT Order dated 28.03.2023 and the same has been discussed in the paras above. The approved ARR and the revised ARR & the corresponding Revenue Gaps at existing tariff is provided in the table below:

Table 7.32: Annual Revenue Requirement FY 2026-27

(In Rs Crores)

Sl. No.	Item of Expense	Approved in T.O. dated 28.03.2023	Proposed by P&ED	Deviation
1	2	3	4	5
1	Cost of Fuel	0.00	0.00	0.00
2	Cost of Generation	6.13	13.09	6.96
3	Cost of Power Purchase	486.20	507.73	21.53
4	Transmission Charges	75.33	53.62	-21.71
5	Intra State Transmission	57.73	45.89	-11.85
6	Employee Costs	156.92	135.85	-21.07
7	R&M Expenses	14.13	8.88	-5.25
8	Administration and General Expenses	2.26	5.71	3.45
9	Depreciation	0.00	0.19	0.19
10	Interest charges	0.00	0.00	0.00
11	Interest on Working Capital	0.00	0.00	0.00
12	Interest on Consumer Security Deposit	0.00	0.00	0.00
13	Provision for bad debts	0.00	0.00	0.00
14	Return on NFA /Equity	0.00	0.00	0.00

Sl. No.	Item of Expense	Approved in T.O. dated 28.03.2023	Proposed by P&ED	Deviation
15	Contribution to Contingency Reserve Fund	0.00	0.00	0.00
16	Total Revenue Requirement	798.70	770.95	-27.75
17	Less: Non-Tariff Income	10.02	9.80	-0.22
18	Less: 1/3 Surplus transferred	0.00	0.00	0.00
19	Less: Efficiency Gains	15.00	0.00	-15.00
20	Net Revenue Requirement	773.68	761.15	-12.53

Commission's Analysis

Based on the approved costs the Aggregate Revenue Requirement for MYT period is indicated in the table below:

Table 7.33: Commission approved ARR for FY 2026-27 (Rs Crs)

Sl. No.	Particulars	Projected by P&ED	Commission Approved
1	Cost of Fuel	0.00	0.00
2	Cost of Generation	13.09	10.32
3	Cost of Power Purchase	507.73	498.33
4	Inter-State Transmission charges	53.62	53.62
5	Intra- state Transmission Charges	45.89	44.81
6	Operation & Maintenance Exps	150.44	149.09
	a) Employee Cost	135.85	135.85
	b) Repairs & maintenance	8.88	7.53
	c) Administrative & General Expenses	5.71	5.71
7	Interest on Loan	0.00	0.00
8	Depreciation	0.19	0.19
9	Interest on Working Capital	0.00	0.00
10	Return on Equity	0.00	0.00
11	Provision for Bad Debt	0.00	0.00
12	Contingency Res. Fund contribution	0.00	0.00
13	Total Revenue Requirement	770.96	756.35
14	Less: Non-Tariff Income	9.80	11.05
15	Less: 1/3 rd True-Up surplus in FY 2024-25	0.00	38.94
16	Net ARR requirement [13- (14 to 16)]	761.15	706.37
17	Less: Revenue from OSS/ IEX Sales	137.32	131.82
18	ARR after Revenue from Outside state sales	623.83	574.55
19	Revenue from Retail Sales	454.30	423.04
20	Revenue Surplus/ (Deficit)-→ (20-19)	-169.53	-151.51

Tariff Proposal for FY 2026-27

Petitioner's Submission:

P&ED Mizoram in the previous sections has discussed the Aggregate Revenue

Requirement for the FY 2026-27 and the revenue gap at the existing tariff. In this section, tariff proposal of the Department for recovery of the ARR has been discussed.

7.9 Recovery of Revenue Gap for FY 2026-27

Petitioner's Submission:

The estimated gap for the FY 2026-27 has been computed by deducting the revenue at existing tariff from the net ARR as detailed above.

P&ED Mizoram does not propose to recover the Gap 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. P&ED Mizoram being a Government Department funded by budgetary support from State Government, there is no proposal of any hike for gap recovery.

In view of the above, the tariff proposal for the FY 2026-27 for various categories of consumers is given below along with the comparison with existing tariff.

Table 7.34: Tariff – Existing vs. Proposed

Sl. No.	Type of installation	Existing		Proposed	
		Energy Charges (Rs /Month)	Fixed Charges (In Rs)	Energy Charges (Rs /Month)	Fixed Charges (In Rs)
		A	B	A	B
1	Kutir Jyothi				
i)	First 20 kWh	2.55/kWh	25/Connection	2.55/kWh	25/Connection
ii)	Balance above 20 kWh	3.55/kWh	25/Connection	3.55/kWh	25/Connection
2	Domestic				
A	LT				
i)	First 100 kWh	4.90/kWh	50/Contracted Load in Kw	4.90/kWh	50/Contracted Load in Kw
ii)	Next 100 kWh	7.10/kWh	50/Contracted Load in Kw	7.10/kWh	50/Contracted Load in Kw
iii)	Balance above 200 kWh	8.20/kWh	50/Contracted Load in Kw	8.20/kWh	50/Contracted Load in Kw
B	HT	8.65/kVAh	50/Billing Demand in KVA	8.65/kVAh	50/Billing Demand in KVA
3	Non-Profit Public Purpose				
A	LT				
i)	First 150 kWh	7.60/kWh	60/Contracted Load in Kw	7.60/kWh	60/Contracted Load in Kw
iii)	Balance above 150 kWh	8.30/kWh	60/Contracted Load in Kw	8.30/kWh	60/Contracted Load in Kw
B	HT	8.75/kVAh	60/Billing Demand in KVA	8.75/kVAh	60/Billing Demand in KVA
4	Commercial				
A	LT				

Sl. No.	Type of installation	Existing		Proposed	
		Energy Charges (Rs /Month)	Fixed Charges (In Rs)	Energy Charges (Rs /Month)	Fixed Charges (In Rs)
i)	First 150 kWh	8.20/kWh	80/Contracted Load in Kw	8.20/kWh	80/Contracted Load in Kw
iii)	Balance above 150 kWh	8.45/kWh	80/Contracted Load in Kw	8.45/kWh	80/Contracted Load in Kw
B	HT	8.90/kVAh	80/Billing Demand in KVA	8.90/kVAh	80/Billing Demand in KVA
5	Public Lighting	11.35/kWh	80/Contracted Load in Kw	11.35/kWh	80/Contracted Load in Kw
6	Irrigation & Agriculture				
A	LT	3.80/kWh	50/Contracted Load in Kw	3.80/kWh	50/Contracted Load in Kw
B	HT	3.85/kVAh	50/Billing Demand in KVA	3.85/kVAh	50/Billing Demand in KVA
7	Public Water Works				
A	LT	11.10/kWh	90/Contracted Load in Kw	11.10/kWh	90/Contracted Load in Kw
B	HT	9.85/kVAh	90/Billing Demand in KVA	9.85/kVAh	90/Billing Demand in KVA
8	Industrial				
A	LT				
i)	First 400 kWh	7.10/kWh	80/Contracted Load in Kw	7.10/kWh	80/Contracted Load in Kw
ii)	Balance above 400 kWh	8.05/kWh	80/Contracted Load in Kw	8.05/kWh	80/Contracted Load in Kw
B	HT	9.05/kVAh	80/Billing Demand in KVA	9.05/kVAh	80/Billing Demand in KVA
9	Bulk Supply	6.85/kVAh	90/Billing Demand in KVA	6.85/kVAh	90/Billing Demand in KVA
10	Electric Vehicle (EV) Charging Station				
A	LT	8.20/kWh	75/Contracted Load in Kw	8.20/kWh	75/Contracted Load in Kw
B	HT	8.65/kVAh	75/Billing Demand in KVA	8.65/kVAh	75/Billing Demand in KVA

7.10 TOD Tariff for FY 2026-27

As per directive given by the Hon'ble Commission hereby P&ED propose the TOD Tariff for all the category except Irrigation & Agriculture category. The TOD tariff proposal for the FY 2026-27 for various categories of consumers is given below along with the comparison with existing tariff.

Table 7.35: TOD Tariff- – Existing vs. Proposed

Sl. No.	Type of installation	Existing		Proposed	
		Energy Charges (Rs /Month)	Fixed Charges (In Rs)	Energy Charges (Rs /Month)	Fixed Charges (In Rs)
		A	B	A	B
1	Kutir Jyothi				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	2.45/kWh	25/Connection	2.45/kWh	25/Connection
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	3.10/kWh	25/Connection	3.10/kWh	25/Connection
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	1.95/kWh	25/Connection	1.95/kWh	25/Connection
2	Domestic				
A	LT				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	5.00/kWh	50/Contracted Load in Kw	5.00/kWh	50/Contracted Load in Kw
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	6.35/kWh	50/Contracted Load in Kw	6.35/kWh	50/Contracted Load in Kw
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	3.85/kWh	50/Contracted Load in Kw	3.85/kWh	50/Contracted Load in Kw
B	HT				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	7.80/kVAh	50/Billing Demand in KVA	7.80/kVAh	50/Billing Demand in KVA
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	10.00/kVAh	50/Billing Demand in KVA	10.00/kVAh	50/Billing Demand in KVA
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	6.10/kVAh	50/Billing Demand in KVA	6.10/kVAh	50/Billing Demand in KVA

Sl. No.	Type of installation	Existing		Proposed	
		Energy Charges (Rs /Month)	Fixed Charges (In Rs)	Energy Charges (Rs /Month)	Fixed Charges (In Rs)
3	Non-Profit Public Purpose				
A	LT				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	6.95/kWh	60/Contracted Load in Kw	6.95/kWh	60/Contracted Load in Kw
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	8.90/kWh	60/Contracted Load in Kw	8.90/kWh	60/Contracted Load in Kw
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	5.40/kWh	60/Contracted Load in Kw	5.40/kWh	60/Contracted Load in Kw
B	HT				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	8.45/kVAh	60/Billing Demand in KVA	8.45/kVAh	60/Billing Demand in KVA
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	10.80/kVAh	60/Billing Demand in KVA	10.80/kVAh	60/Billing Demand in KVA
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	6.60/kVAh	60/Billing Demand in KVA	6.60/kVAh	60/Billing Demand in KVA
4	Commercial				
A	LT				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	7.10/kWh	80/Contracted Load in Kw	7.10/kWh	80/Contracted Load in Kw
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	9.10/kWh	80/Contracted Load in Kw	9.10/kWh	80/Contracted Load in Kw
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	5.55/kWh	80/Contracted Load in Kw	5.55/kWh	80/Contracted Load in Kw
B	HT				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	8.60/kVAh	80/Billing Demand in KVA	8.60/kVAh	80/Billing Demand in KVA
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	11.00/kVAh	80/Billing Demand in KVA	11.00/kVAh	80/Billing Demand in KVA
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	6.70/kVAh	80/Billing Demand in KVA	6.70/kVAh	80/Billing Demand in KVA
5	Public Lighting				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	8.80/kWh	80/Contracted Load in Kw	8.80/kWh	80/Contracted Load in Kw
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	11.25/kWh	80/Contracted Load in Kw	11.25/kWh	80/Contracted Load in Kw
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	6.85/kWh	80/Contracted Load in Kw	6.85/kWh	80/Contracted Load in Kw
6	Irrigation & Agriculture				
A	LT	3.80/kWh	50/Contracted Load in Kw	3.80/kWh	50/Contracted Load in Kw
B	HT	3.85/kVAh	50/Billing Demand in KVA	3.85/kVAh	50/Billing Demand in KVA
7	Public Water Works				
A	LT				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	8.60/kWh	90/Contracted Load in Kw	8.60/kWh	90/Contracted Load in Kw
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	11.00/kWh	90/Contracted Load in Kw	11.00/kWh	90/Contracted Load in Kw
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	6.70/kWh	90/Contracted Load in Kw	6.70/kWh	90/Contracted Load in Kw
B	HT				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	8.80/kVAh	90/Billing Demand in KVA	8.80/kVAh	90/Billing Demand in KVA
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	11.25/kVAh	90/Billing Demand in KVA	11.25/kVAh	90/Billing Demand in KVA
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	6.85/kVAh	90/Billing Demand in KVA	6.85/kVAh	90/Billing Demand in KVA
8	Industrial				
A	LT				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	7.00/kWh	80/Contracted Load in Kw	7.00/kWh	80/Contracted Load in Kw
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	8.95/kWh	80/Contracted Load in Kw	8.95/kWh	80/Contracted Load in Kw
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	5.45/kWh	80/Contracted Load in Kw	5.45/kWh	80/Contracted Load in Kw
B	HT				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	9.05/kVAh	80/Billing Demand in KVA	9.05/kVAh	80/Billing Demand in KVA
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	11.40/kVAh	80/Billing Demand in KVA	11.40/kVAh	80/Billing Demand in KVA
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	7.05/kVAh	80/Billing Demand in KVA	7.05/kVAh	80/Billing Demand in KVA
9	Bulk Supply				
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	7.70/kVAh	90/Billing Demand in KVA	7.70/kVAh	90/Billing Demand in KVA
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	9.70/kVAh	90/Billing Demand in KVA	9.70/kVAh	90/Billing Demand in KVA
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	6.20/kVAh	90/Billing Demand in KVA	6.20/kVAh	90/Billing Demand in KVA
10	Electric Vehicle (EV) Charging Station				
A	LT				

Sl. No.	Type of installation	Existing		Proposed	
		Energy Charges (Rs /Month)	Fixed Charges (In Rs)	Energy Charges (Rs /Month)	Fixed Charges (In Rs)
i)	From 09:00 Hrs. upto 16:00 Hrs. (Solar Hour)	5.74/kWh	75/Contracted Load in Kw	5.74/kWh	75/Contracted Load in Kw
ii)	From 16:00 Hrs. upto 09:00 Hrs. (Non-Solar Hour)	10.66/kWh	75/Contracted Load in Kw	10.66/kWh	75/Contracted Load in Kw
B	HT				
i)	From 09:00 Hrs. upto 16:00 Hrs. (Solar Hour)	6.05/kVAh	75/Billing Demand in KVA	6.05/kVAh	75/Billing Demand in KVA
ii)	From 16:00 Hrs. upto 09:00 Hrs. (Non-Solar Hour)	11.25/kVAh	75/Billing Demand in KVA	11.25/kVAh	75/Billing Demand in KVA

Commission's Analysis:

The Commission have derived the category wise Time of the Day (TOD) tariff for all category of consumers except the Irrigation and Agriculture category consumers once again in FY 2026-27 and the **detailed revenue calculation sheet** is attached to as Annexure-IX at the end of this Tariff Order for reference and the approved TOD rates are given below:

Table 7.36: TOD Tariff approved by Commission for FY 2026-27

Sl. No.	Category Consumers (P&ED)	Fixed Charge (kW/kVA)	Energy Charge (kWh/ kVAh)
1	2	3	4
1	KJ(Domestic)		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	25	2.45
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	25	3.10
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	25	1.95
2	Domestic-LT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	50	5.00
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	50	6.35
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	50	3.85
3	Domestic-HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	50	7.80
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	50	10.00
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	50	6.10
4	Non-Profit Public Purpose-LT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	60	6.95
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	60	8.90
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	60	5.40
5	Non-Profit Public Purpose-HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	60	8.45
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	60	10.80
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	60	6.60
6	Commercial-LT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	80	7.10

Sl. No.	Category Consumers (P&ED)	Fixed Charge (kW/kVA)	Energy Charge (kWh/ kVAh)
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	80	9.10
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	80	5.55
7	Commercial-HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	80	8.60
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	80	11.00
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	80	6.70
8	Public Lighting		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	80	8.80
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	80	11.25
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	80	6.85
9	PWS LT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	90	8.60
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	90	11.00
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	90	6.70
10	PWS HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	90	8.80
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	90	11.25
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	90	6.85
11	Irrigation & Agriculture - LT	50	3.80
12	Irrigation & Agriculture - HT	50	3.85
13	Industrial-LT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	80	7.00
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	80	8.95
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	80	5.45
14	Industrial-HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	80	9.05
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	80	11.40
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	80	7.05
15	Bulk Supply HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	90	7.70
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	90	9.70
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	90	6.15
16	Electric Vehicle (EV) charging station (LT)		
i)	From 09:00 Hrs. up to 16:00 Hrs. (Solar Hour)	0	7.26
ii)	From 16:00 Hrs. up to 09:00 Hrs. (Non-Solar Hour)	0	7.26
17	Electric Vehicle (EV) charging station (HT)		
i)	From 09:00 Hrs. up to 16:00 Hrs. (Solar Hour)	0	7.26
ii)	From 16:00 Hrs. up to 09:00 Hrs. (Non-Solar Hour)	0	13.49

The total revenue yield from the TOD based tariff will also be equal to the total revenue accrued from non-TOD based tariff figure as need to be designed in such a way to encourage the consumers to any mode of

tariff. The variation in the Tariff is only applicable for Energy portion of Tariff only for various peak hourly consumption pattern to various consumers during the financial year.

7.11 Introduction of Separate Tariff for Smart Pre-paid Meter Consumers

Petitioner's Submission:

The Government of India has approved reformed based and Result Linked, Revamped Distribution Sector Scheme. The key objective of the scheme involves installation of smart prepaid metering for consumers along with the associated Advanced Metering Infrastructure.

The DISCOMs are in the process of implementation of the RDSS scheme in the State and the replacement of all the existing consumer meters with smart pre-paid meters will be executed by P&ED in a phased wise manner. Accordingly, P&ED has proposed the Tariff rate & other charges for prepaid meter consumers as follows:

1. **Tariff Rate:** The tariff rate shall be the same as the post-paid tariff (daily pro rata basis).
2. **Payment of Bill:** Payment can be made through online and offline modes, same as post-paid.
3. **Rebate:** To convince consumers to opt for pre-paid metering, a rebate of 2% may be provided for all consumers, however, HT consumers up to 50 kW may avail existing rebate of 5%. (As per P&ED Tariff Order for FY 2025-26 Appendix Clause 1.1(i)).
4. **Purchase of Pre-paid Meter:** Prepaid meter shall be rent from P&ED and meter rent shall be paid to P&ED.
5. **Load Security:** Load Security deposit of consumers under postpaid arrangement already lying with P&ED shall be treated as initial recharge amount for respective consumers.
6. **Grace Period:** Grace period of 3 days to recharge (both in urban and rural areas) before disconnection when consumer balance runs out to zero.
7. **Alerts:** When the balance of the prepaid smart meter is less than the average consumption of 7 days, the consumer is first informed through

SMS/WhatsApp. Such consumers are informed before their balances are zero.

8. **Damaged Prepaid Meter System:** If the prepaid smart meter is damaged because of the consumer fault, the consumer shall pay for its replacement. If the damaged is attributed to technical issues caused by the licensee (like voltage fluctuations or transients), the licensee will replace it without charging the consumer.
9. **Minimum & Maximum Recharge Amount:** Minimum recharge of Rs.100/- is decided and recharge amount is decided in a multiple of Rs. 50. There shall be no maximum limit for the recharge amount.

Commission's Analysis:

The Commission approves the proposed relevant tariffs and conditions as indicated above by the Licensee on the initial implementation of the Smart prepaid meter consumers billing in FY 2026-27 for the first time without any changes to the proposal so made and to observe the pros and cons for suitable modifications if any in the ensuing year.

7.12 Revenue at Proposed Tariff

Based on the Tariff proposed, following is the summary of the revenue

Table 7.37: Revenue at Proposed Tariff by P&ED

Sl. No.	Category	Revenue at Proposed Tariff
	LT Consumers	
1	Kutir Jyoti	2.37
2	Domestic	200.18
3	Non-Profit Public Purpose	14.55
4	Commercial	44.33
5	Public Lighting	4.13
6	Agriculture	0.08
7	Public Water Works	1.23
8	LT Industrial	2.77
9	Electric Vehicle Charging	0.00
	Total LT	269.63
	HT Consumers	
10	Domestic	1.81
11	Non-Profit Public Purpose	8.22
12	Commercial	20.58
13	Agriculture	0.08

Sl. No.	Category	Revenue at Proposed Tariff
14	Public Water Works	133.37
15	HT Industrial	8.51
16	Electric Vehicle Charging	0.00
17	Bulk Supply	12.10
	Total HT	184.66
18	Total LT & HT	454.30
19	Outside State - Trading	137.32
	Total	591.62

7.13 Additional Revenue at Proposed Tariff

Based on the tariff proposed above, P&ED Mizoram has not proposed for any additional revenue at the proposed tariff rates.

Table 7.38: Additional Revenue at proposed Tariff

(In Rs Crore)

Sl. No.	Particulars	FY 2026-27
1	2	3
1	Additional Revenue from Proposed tariff revision	0.00
	Total	0.00

7.14 Impact of Tariff on Consumers

Petitioners Submission:

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

Table 7.39 : Impact of Tariff

Sl. No.	Particulars	Units	FY 2026-27	
			Existing	Proposed
1	ARR	Rs Crs	761.15	761.15
2	Revenue from tariff	Rs Crs	454.30	454.30
3	Revenue from sale of power outside the state	Rs Crs	137.32	137.32
4	Total Revenue	Rs Crs	591.62	591.62
5	Gap (1 – 2 - 3)	Rs Crs	169.53	169.53
6	Sales within State	MUs	553.14	553.14
7	Sale of power outside the state	MUs	297.75	297.75
8	Total Sales	MUs	850.89	850.89
9	Average Cost of Supply within state $\{(1-3)/6\}$	Rs /kWh	11.28	11.28
10	Average Revenue (2/6)	Rs /kWh	8.21	8.21
11	Pure Gap (9-10)	Rs /kWh	3.07	3.07
12	Average Hike in Tariff	Rs/kWh		0.00
13	Hike in Tariff	%		0.00

Hence, it is submitted that the average increment of tariff required to recover the gap attribute to FY 2026-27 is Rs.3.07 that but the P&ED, Mizoram has not proposed any hike for the FY 2026-27.

Commission's Analysis:

In the above proposed revenue gap of Rs.169.53Cr, Licensee presumed to receive entire gap amount as Government subsidy and accordingly proposed no Tariff hike in FY 2026-27. As per the P&ED letter No.B.19018/9/ 2024-P&E, Dt.19th December 2025 (copy enclosed as annexure-VIII at the end of the Tariff Order) the Government of Mizoram had expressed its concurrence to give tariff subsidy (vide its letter no.FIN(EA) 292/25-26, Dt.17.12.2025) on a conditional basis. It was stated by the Govt. of Mizoram that it may give maximum subsidy amounting of Rs.175.00Cr or the amount derived by adopting 22.99% on the gross derived ARR after finalisation whichever is less. Adopting 22.99% on Commission approved gross ARR amount of **Rs.706.37Cr** (before adjusting for any sales revenue realisation) as approved by Commission would yield **Rs.162.39Cr** as the assured amount of government subsidy. Therefore, entire derived deficit of **Rs.151.51Cr** would be fully covered under the Government subsidy and eventually the unmet gap will be **Nil**. Accordingly, the Commission too had strongly felt that there is no action needed for any upward revision to the existing tariffs (non-TOD) of various retail consumer categories to generate any additional revenue over and above **Rs.423.04Cr** resulting from prevailing/existing tariffs now in force.

The realisable revenue from each consumer category for FY2026-27 is tabulated below:

Table 7.40: Commission approved Revenue at Existing Tariffs for FY 2026-27

Sl. No.	Category FY 2026-27	Energy Sales	Revenue at Existing Tariff	CPU
	LT Consumers	(MU)	Rs.Crs	Rs./kWh
1	Kutir Jyoti	5.836	2.139	3.67
2	Domestic	331.33	193.003	5.83
3	Non-Profit Public Purpose	15.988	14.055	8.79
4	Commercial	46.226	42.562	9.21

Sl. No.	Category FY 2026-27	Energy Sales	Revenue at Existing Tariff	CPU
5	Public Lighting	2.68	3.206	11.98
6	Public Water Works	0.54	0.942	17.35
7	Agriculture	0.17	0.077	4.51
8	LT Industrial	3.02	2.661	8.82
9	Electric Vehicle Charging	0.094	0.068	7.26
	Sub-Total LT	405.88	258.713	6.37
	HT Consumers			
10	Domestic	1.72	1.79	10.41
11	Non-Profit Public Purpose	7.23	7.993	11.05
12	Commercial	17.789	19.706	11.08
13	Public Water Works	101.00	115.181	11.40
14	Agriculture	0.17	0.088	5.16
16	HT Industrial (Opt-1&2)	7.21	8.405	11.66
17	Electric Vehicle Charging	0.06	0.05	8.07
18	Bulk Supply	12.08	11.107	9.20
	Sub-Total HT	147.26	164.32	11.16
19	Total LT & HT	553.14	423.04	7.65

Note: Detailed calculation based on approved subsidised Tariff is placed as Annexure – III

Table 7.41: Revenue Gap for FY 2026-27 as approved by the Commission

Sl. No.	Particulars	Units	Existing Tariff	Post Revision
1	Net Aggregate Revenue Requirement	Rs. Crs	706.37	706.37
2	Less: Outside state sales revenue	Rs. Crs	131.82	131.82
3	ARR after Outside State Sales (1 - 2)	Rs. Crs	574.55	574.55
4	Revenue from retail sale of power	Rs. Crs	423.04	423.04
5	Revenue Gap (3 – 4)	Rs. Crs	151.51	151.51
6	Assured Tariff subsidy from Govt.	Rs. Crs	169.53	169.53
7	Unmet Revenue Gap (5 – 6)	Rs. Crs	0.000	0.00
8	Retail Sales within State	MUs	553.14	553.14
9	Outside State power Sales	MUs	285.81	285.81
10	Total Sales from all Sources (8 + 9)	MUs	838.95	838.95
11	Average Cost of Supply within state (3/8)	Rs./kWh	10.39	10.39
12	Average Revenue (4/8)	Rs./kWh	7.65	7.65
13	Pure Gap rate (11-12) or (6/8)	Rs./kWh	2.74	2.74
14	Average Hike in Tariff - (7/8)	Rs./kWh		0.000
15	Hike adopted in Tariff (7/4)	%		0.000%

7.15 Government Tariff Subsidy/Support

As seen from the above, it is clear that the revenue from sale of power is not

sufficient to meet the ever-increasing expenditure and the P&ED shall continue to depend upon the subsidy/support from Government of Mizoram as the retail consumers are predominately Domestic category and very negligible from other Commercial categories from LT & HT. The net revenue gap of **Rs.151.51 Crores** so arrived at by the Commission will be fully met by the announced Government subsidy/support.

The ARR & Tariff Petition for FY 2026-27 filed by the P&E Department was done with the prior approval of the State Government. The Licensee, in their submitted Tariff Petition, had proposed no tariff hike over the prevailing tariffs of FY 2025-26 despite the revenue gap of **Rs.169.53Cr**s to be off-set by Government tariff subsidy. While the Commission arrived the revenue gap to **Rs.151.51Cr**s with no tariff hike in this year. The State Government of Mizoram issued an assurance letter to this effect vide their letter dated:19th December 2025. In addition, in the said letter submitted by P&ED vide **No.B.19018/9/2024-P&E, Dt.19th December 2025** it is an assurance of blanket Tariff subsidy to all class of consumers and with a conditional subsidy depending upon the deficit by the State Government amounting to Rs.175.00Cr or 22.99% be applied over upon the final ARR whichever is less. Be given as subsidy, in order to achieve the objective of year-on-year tariffs progressively to reflect the cost of electricity supply, the grant of subsidy shall have to be reduced every year in decrementing fashion and ultimately make the power utility to manage without Government subsidy support.

The Section-65 of the Electricity Act 2003 mandates that the State Government shall release subsidy amount due to the Licensee in advance so as to enable the licensee to implement the subsidised tariffs to their consumers as per subsidised Tariff rates in Table-8.2 (Detailed Revenue calculation at subsidised Tariff is given at **Annexure-III**).

The Ministry of Power have recently given amendment to Rule-15 of Electricity Rule 2005 (which is called Electricity Second Amendments Rules 2023) dated 26th July, 2023 and the amended details are given below:

Subsidy accounting and payment. -

- (1) The accounting of the subsidy payable under section 65 of the Act, shall be done by the distribution licensee, in accordance with the Standard Operating Procedures issued by the Central Government, in this regard.
- (2) A quarterly report shall be issued by the State Commission for each distribution licensee, in its jurisdiction, giving findings whether demands for subsidy were raised by the distribution licensee in the relevant quarter based on accounts of the energy consumed by the subsidised category and consumer category wise per unit subsidy declared by the State Government, the actual payment of subsidy in accordance with section 65 of the Act and the gap in subsidy due and paid as well as other relevant details.

Explanation:

For the purpose of this rule, (The term “Unit” means Kilo Watt Hour (kWh) or Kilo Watt (kW) or Horse Power (HP) or Kilo Volt Ampere (kVA), in accordance with the relevant Regulations or the Tariff Orders issued by the Appropriate Commission.

- (3) The quarterly report shall be submitted by the distribution licensee within thirty days from end date of the respective quarter and the State Commission shall examine the report, and issue it with corrections, if any, in accordance with sub-rule (2), within thirty days of the submission.
- (4) In case the subsidy has not been paid in advance, then the State Commission shall issue order for implementation of the tariff without subsidy, in accordance with provisions of the section 65 of the Act.
- (5) If subsidy accounting and the raising bills for subsidy is not found in accordance with the Act or Rules or Regulations issued there under, the State Commission shall take appropriate action against the concerned officers of the licensee for non-compliance as per provisions of the Act

Note: The procedural steps to adopted while dealing with Subsidy Accounting were clearly defined and notified by MoP (Standard of Operating Procedures) vide its Letter No. F.No.14/12/2022-UR&SI-II-Part-(I)-(E-263842) dated 01st July, 2022 which are to be followed scrupulously.

Accordingly, the State Government should release the above stated subsidy amount in Twelve (12) equal monthly instalments amounting to **Rs.12.6258333 Crores (Rupees Twelve point six-two-five eight three-three-three crores only) every month in advance as enshrined in Section-65 of E.Act 2003.** However, in the event of delay or non-receipt of subsidy in advance in any month from the Government, the licensee shall adopt the applicable full cost tariff (FCT) rates indicated at **Table 8.3 of chapter-8** while issuing the monthly energy demand bill for that relevant month/months.

Ministry of Power has issued rules mandating distribution licensees to provide 24x7 power supply with instances of frequent interruptions resulting in penal action to ensure uninterrupted supply to the consumers.

State Governments may provide subsidies to distribution licensees which must be paid in advance as mandated in the Act. If the state government fails to provide advance subsidy payments the Commission **Suo-moto** directs distribution licensees to charge the full cost tariff. It is made clear that such advance subsidies should further be utilised and result in improving the performances of the distributing licensees.

Detailed calculation of Revenue at FCT is placed at **Annexure-IV** for reference.

A brief summary of Full cost tariff-based revenue from various consumers is tabulated below for reference.

PED, Mizoram - Expected Revenue from Full Cost Tariff in FY2026-27 (Non-ToD tariff based)								
Sl. No.	Category - FY2026-27 (Full Cost Tariff)	Energy Sales	Total Revenue	Total Rev (CPU)	Fixed Charge	Fixed (CPU)	Energy Charge	Energy (CPU)
A	LT Supply	MU	Rs.Crs	Rs./Unit	Rs.Crs	Rs./kWh	Rs.Crs	Rs./kWh
1	KutirJyoti	5.836	4.79	8.20	0.51	0.88	4.28	7.33
2	LT Domestic	331.331	312.50	9.43	21.36	0.64	291.15	8.79
3	Non-Profit Public P	15.988	15.42	9.65	1.60	1.00	13.82	8.65
4	Commercial LT	46.226	57.14	12.36	4.12	0.89	53.02	11.47
5	LT-Industries Micro/ Small	3.017	3.40	11.28	0.49	1.61	2.92	9.66
6	Public Lighting	2.677	3.31	12.35	0.17	0.63	3.14	11.72
7	Public Water-Works	0.543	0.61	11.18	0.34	6.26	0.27	4.92
8	Irrigation and Agriculture	0.171	0.20	11.73	0.01	0.71	0.19	11.01
9	Electric Vehicle- LT	0.094	0.07	7.26	0.00	0.00	0.07	7.26
	LT Supply Sub Total	405.88	397.44	9.79	28.60	0.70	368.84	9.09
B	HT Supply							
1	Domestic	1.720	2.11	12.28	0.14	0.80	1.97	11.48
2	Non-Profit Public P	7.230	8.22	11.38	0.96	1.33	7.26	10.04
3	Commercial	17.790	19.32	10.86	2.11	1.19	17.21	9.67
4	Public Water-Works	100.998	123.32	12.21	4.64	0.46	118.68	11.75
5	Irrgn & Agriculture	0.171	0.19	11.20	0.02	0.89	0.18	10.31
6	Industrial HT	7.211	8.91	12.35	1.15	1.60	7.75	10.75
7	TOD Industrial	0.000	0.00	0.00	0.00	0.00	0.00	0.00
8	Bulk Supply	12.077	14.99	12.41	1.92	1.59	13.07	10.82
9	Electric Vehicle- HT	0.063	0.05	8.07	0.00	0.00	0.05	8.07
	HT Supply Sub Total	147.26	177.11	12.03	10.94	0.74	166.17	11.28
	TOTAL (LT & HT)	553.14	574.55	10.39	39.54	0.71	535.01	9.67

There could be a situation, where the outstanding monthly subsidy pending was released

by the government after passage of much elapse of time and thereby consumers were to be billed at full cost tariffs in those relevant months or months when subsidy was not paid in advance. Given the situation, the entire excess amount so charged to all consumers on account of full cost tariff adoption shall have to be refunded as deduction by treating such excess amount laying with Licensee **as an advance payment** to the licensee be settled **at one time** in the immediate monthly billing cycle where bills are being issued to respective consumers soon after receipt of such pending subsidy relating to the past month/months. If in case, the excess amount so refundable is exceeding the monthly billing amount to be so adjusted in case of any consumer/consumers, then such excess amount un-refunded may be carried forward and be adjusted in the immediately following monthly bill/bills to be issued to such consumer/consumers until full settlement is done in Toto.

Lastly, the brief summary of the Commission calculations in support of subsidy amount deduced, the average of supply and the average revenue realisation details are tabulated in the following table.

Table 7.42: Average cost of power supply in Mizoram for FY 2026-27

Sl. No.	Particulars	Units	P&ED Proposed	Commission Approved
1	Net Overall ARR	Rs. Crs	761.15	706.37
2	Less: Outside state sales revenue	Rs. Crs	137.32	131.82
3	ARR after Outside State Sales (1 - 2)	Rs. Crs	623.83	574.55
4	Revenue from retail sale of power	Rs. Crs	454.30	423.036
5	Revenue Gap (3 – 4)	Rs. Crs	169.53	151.51
6	Assured Tariff subsidy from Govt.	Rs. Crs	169.53	169.53
7	Unmet Revenue Gap (5 – 6)	Rs. Crs	0.000	0.00
8	Retail Sales within State	MUs	553.14	553.14
9	Average Cost of Supply within state (3/8)	Rs./kWh	11.27	10.39
10	Average Revenue (4/8)	Rs./kWh	8.21	7.65
11	Avg. rate of subsidy (11-12) or (6/8)	Rs./kWh	3.07	2.74

8 Tariff Principles and Design

8.1 Background

While determining the revenue requirement and in fixation of the retail supply tariff of the P&ED, Mizoram for the FY 2026-27 the Commission had been guided by the provisions of the Electricity Act, 2003, the National Tariff Policy (NTP), CERC Regulations on Terms and Conditions of Tariff and JERC Regulations for Manipur and Mizoram (Multi Year Tariff) Regulation, 2014 adopted by MZERC. Section 61 of the E. Act 2003 laid down the broad principles, which shall guide determination of retail supply tariffs. As per these statutory provisions, the tariff shall “Progressively reflect cost of supply” and also reduce cross subsidies components “within the period to be specified by the Commission”. The Act also lays special emphasis on safeguarding consumer interests and mandates that tariff determination should be guided by the factors, which encourage competition, efficiency, economical use of resources, good performance and optimum investment.

The Tariff Policy notified by Government of India in January 2006 and also in 2016 provides comprehensive guidelines for determination of tariff and in working out the revenue requirement of power utilities. The Commission had made conscious endeavour to follow these guidelines as far as possible.

NTP mandates that the Multi-Year-Tariff (MYT) framework be adopted for determination of tariff from 1st April 2006. Consequently, the Commission had introduced the MYT Regime in the State from 2015-16 onwards.

8.1.1 Section 8.3 of Tariff Policy lays down the following principles for tariff design:

1. In accordance with the National Electricity Policy, consumers below poverty line whose consumption is below a specified level, say 30 units per Month, may receive a special support in the form of cross subsidy. Tariffs for such group of consumers will be at least 50% of the average cost of supply. This provision will be re-examined after five years.

2. For achieving the objective that the tariff shall progressively reflect the cost of supply of electricity the roadmap is within $\pm 20\%$ of the average cost of supply except in the case of government category services like Public Lighting and Public Water Services under LT&HT at the expressed strong opinions of the general public in the Public Hearings conducted. The road map would have intermediate milestones, based on the approach of a gradual reduction in cross subsidy.
3. For example, if the average cost of service is Rs .3/- per unit, at the end of year 2010-11 the tariff for the cross subsidized categories excluding those referred to in para-1 above should not be lower than Rs .2.40 per unit and that for any of the cross-subsidizing categories should not go beyond Rs .3.60 per unit.
4. While fixing tariff for agricultural use, it is imperatives to keep in view of usage of ground water resources in a sustainable manner in addition to the average cost of supply component. The tariff for agricultural use may be set at different levels for different parts of the State depending on the condition of the ground water table to prevent excessive depletion of ground water.”

National Electricity Policy (NEP) aims at increased access to electricity, supply of reliable and quality power at reasonable rates, minimum lifeline consumption and financial turnaround of consumer interest. The Commission has considered factors as far as possible which aim at achieving the objectives of NEP while determining the revenue requirement of the P&ED and designing the retail tariff for its consumers. The Commission considered a special treatment to **Kutir Jyoti** connection and **Agricultural** sector. It has also aimed at to raise the per capita consumption of the State. The Commission endeavours that the tariff progressively reflects Cost of Supply in a shortest possible period and the government subsidy is reduced gradually. The tariffs have been rationalized with regards to inflation, paying capacity of consumers and avoidance of high tariff shock.

8.2 Tariff Approved by the Commission

8.2.1 Tariff Categories

In the last year ARR and Tariff Petition of FY 2025-26, P&ED had proposed changes to some existing categories of consumers and the same is being continued in this FY2026-27 also.

Various categories so proposed by P&ED for FY2026-27 and approved by Commission are detailed below:

The Commission considers in retaining the existing/proposed categories as follows:

- 1 (a) Kutir Jyoti (LT) (b) Domestic (LT) (c) Domestic (HT)
- 2 (a) Non-Profit Public Purpose LT 2 (b) Non-Profit Public Purpose HT
- 3 (a) Commercial LT 3 (b) Commercial HT
- 4 Public Lighting LT
- 5 (a) Irrigation & Agriculture-LT 5 (b) Irrigation & Agriculture-HT
- 6 (a) Public Water Works-LT 6 (b) Public Water Works-HT
- 7 (a) Industrial-LT 7 (b) Industrial-HT
- 8) Bulk Supply HT
- 9) Electric Vehicle charging Stations at LT**
- 10) Electric Vehicle charging Stations at HT.**

8.2.2 Existing & Proposed Tariff

P&ED in its tariff petition for FY 2026-27 **didn't propose any hike/ revision** to the existing two-part retail supply tariffs for FY 2026-27 and also no changes to the TOD tariff for all consumer categories excluding Irrigation and agriculture category.

The summary of the non-TOD tariff so proposed by P&ED for FY2026-27 is furnished in table below:

Table 8.1: Existing v/s Proposed Tariff for FY 2026-27 by P&ED

Sl. No.	Type of installation	Existing		Proposed	
		Energy Charges (Rs /Month)	Fixed Charges (In Rs)	Energy Charges (Rs /Month)	Fixed Charges (In Rs)
		A	B	A	B
1	Kutir Jyothi				
i)	First 20 kWh	2.55/kWh	25/Connection	2.55/kWh	25/Connection
ii)	Balance above 20 kWh	3.55/kWh	25/Connection	3.55/kWh	25/Connection
2	Domestic				
A	LT				
i)	First 100 kWh	4.90/kWh	50/Contracted Load in kW	4.90/kWh	50/Contracted Load in kW

Sl. No.	Type of installation	Existing		Proposed	
		Energy Charges (Rs /Month)	Fixed Charges (In Rs)	Energy Charges (Rs /Month)	Fixed Charges (In Rs)
ii)	Next 100 kWh	7.10/kWh	50/Contracted Load in kW	7.10/kWh	50/Contracted Load in kW
iii)	Balance above 200 kWh	8.20/kWh	50/Contracted Load in kW	8.20/kWh	50/Contracted Load in kW
B	HT	8.65/kVAh	50/Billing Demand in kVA	8.65/kVAh	50/Billing Demand in kVA
3	Non-Profit Public Purpose				
A	LT				
i)	First 150 kWh	7.60/kWh	60/Contracted Load in kW	7.60/kWh	60/Contracted Load in kW
ii)	Balance above 150 kWh	8.30/kWh	60/Contracted Load in kW	8.30/kWh	60/Contracted Load in kW
B	HT	8.75/kVAh	60/Billing Demand in kVA	8.75/kVAh	60/Billing Demand in kVA
4	Commercial				
A	LT				
i)	First 150 kWh	8.20/kWh	80/Contracted Load in kW	8.20/kWh	80/Contracted Load in kW
iii)	Balance above 150 kWh	8.45/kWh	80/Contracted Load in kW	8.45/kWh	80/Contracted Load in kW
B	HT	8.90/kVAh	80/Billing Demand in kVA	8.90/kVAh	80/Billing Demand in kVA
5	Public Lighting	11.35/kWh	80/Contracted Load in kW	11.35/kWh	80/Contracted Load in kW
6	Irrigation & Agriculture				
A	LT	3.80/kWh	50/Contracted Load in kW	3.80/kWh	50/Contracted Load in kW
B	HT	3.85/kVAh	50/Billing Demand in kVA	3.85/kVAh	50/Billing Demand in kVA
7	Public Water Works				
A	LT	11.10/kWh	90/Contracted Load in kW	11.10/kWh	90/Contracted Load in kW
B	HT	9.85/kVAh	90/Billing Demand in kVA	9.85/kVAh	90/Billing Demand in kVA
8	Industrial				
A	LT				
i)	First 400 kWh	7.10/kWh	80/Contracted Load in kW	7.10/kWh	80/Contracted Load in kW
ii)	Balance above 400 kWh	8.05/kWh	80/Contracted Load in kW	8.05/kWh	80/Contracted Load in kW
B	HT	9.05/kVAh	80/Billing Demand in kVA	9.05/kVAh	80/Billing Demand in kVA
9	Bulk Supply	6.85/kVAh	90/Billing Demand in kVA	6.85/kVAh	90/Billing Demand in kVA
10	Electric Vehicle (EV) Charging Station				
A	LT	8.20/kWh	75/Contracted Load in kW	8.20/kWh	75/Contracted Load in kW
B	HT	8.65/kVAh	75/Billing Demand in kVA	8.65/kVAh	75/Billing Demand in kVA

8.2.3 Tariffs Approved by the Commission

(a) Subsidized Tariff Approved for FY 2026-27

The Commission worked out the average rate to be **Rs.7.65/kWh** for FY 2026-27 upon adopting the existing applicable tariffs in FY 2025-26 upon the revised number of consumers, load and energy consumption so projected for FY 2026-27 in their filing submission. Having considered the petition of P&ED Mizoram for approval of Aggregate Revenue Requirement (ARR) and determination of Retail Tariff for supply of energy and having approved the Aggregate Revenue Requirement (ARR) with a gap of **Rs.151.51Crore** vide **Para 7.8, Table-7.33 of Chapter-7**, as against the proposed gap of Rs.169.53Cr without any tariff hike by P&ED is detailed below:

Table 8.2: Category wise Subsidised Tariff (Non-TOD) approved by Commission for FY 2026-27

Sl. No.	Type of installation	Existing Tariff Rates		Approved Tariff Rates	
		Energy (in Rs .)	Fixed (in Rs .)	Energy (in Rs .)	Fixed (in Rs .)
		A	B	A	B
1	Kutir Jyoti (KJ)				
i)	First 20 kWh	2.55/kWh	25/Connection	2.55/kWh	25/Connection
ii)	Balance >20 kWh	3.55/kWh	25/Connection	3.55/kWh	25/Connection
2	Domestic				
A	Low Tension (LT)				
+i)	First 100 kWh	4.90/kWh	50/CL/kW	4.90/kWh	50/CL/kW
ii)	Next 100 kWh	7.10/kWh	50/CL/kW	7.10/kWh	50/CL/kW
iii)	Balance > 200 kWh	8.20/kWh	50/CL/kW	8.20/kWh	50/CL/kW
B	High Tension (HT)	8.65/kVAh	50/BD/kVA	8.65/kVAh	50/BD/kVA
3	Non-Profit Public Service (Previously Non-Domestic)				
A	Low Tension (LT)				
i)	First 150 kWh	7.60/kWh	60/CL/kW	7.60/kWh	60/CL/kW
iii)	Balance > 150 kWh	8.30/kWh	60/CL/kW	8.30/kWh	60/CL/kW
B	High Tension (HT)	8.75/kVAh	60/BD/kVA	8.75/kVAh	60/BD/kVA
4	Commercial				
A	Low Tension (LT)				
i)	First 150 kWh	8.20/kWh	80/CL/kW	8.20/kWh	80/CL/kW
iii)	Balance > 150 kWh	8.45/kWh	80/CL/kW	8.45/kWh	80/CL/kW
B	High Tension (HT)	8.90/kVAh	80/BD/kVA	8.90/kVAh	80/BD/kVA
5	Public Lighting	11.35/kWh	80/CL/kW	11.35/kWh	80/CL/kW
6	Public Water Works				
A	Low Tension (LT)	11.10/kWh	90/CL/kW	11.10/kWh	90/CL/kW
B	High Tension (HT)	9.85/kVAh	90/BD/kVA	9.85/kVAh	90/BD/kVA
7	Irrigation & Agriculture				
A	Low Tension (LT)	3.80/kWh	50/CL/kW	3.80/kWh	50/CL/kW
B	High Tension (HT)	3.85/kVAh	50/BD/kVA	3.85/kVAh	50/BD/kVA
8	Industrial				
A	Low Tension (LT)				
i)	First 400 kWh	7.10/kWh	80/CL/kW	7.10/kWh	80/CL/kW
ii)	Balance > 400 kWh	8.05/kWh	80/CL/kW	8.05/kWh	80/CL/kW
B	High Tension (HT)				
	Option-1 (existing)	9.05/kVAh	80/BD/kVA	9.05/kVAh	80/BD/kVA
	Option-2 (TOD) power usage in various durations			Optional	Optional
	i) from 06.00 Hrs up to 17.00Hrs (Normal)	9.05/ kVAh	80/BD/ kVA	9.05/kVAh	80/BD/ kVA
	ii) from 17.00 Hrs up to 22.00Hrs (Peak)	11.40/kVAh	80/BD/ kVA	11.40/kVAh	80/BD/ kVA
	iii) from 22.00 Hrs up to 06.00Hrs (Off-peak)	7.05/kVAh	80/BD/ kVA	7.05/kVAh	80/BD/ kVA
9	Bulk Supply	6.85/kVAh	90/BD/kVA	6.85/kVAh	90/BD/kVA
10	Electric Vehicle Charging Stations				
	A. LT category	8.20/kWh	75/CL/KW	7.26/kWh	--/CL/KW
	B. HT Category	8.65/kVAh	75/BD/kVA	7.26/kVAh	--/BD/kVA

Note: CL= Contracted Load, BD = Billing Demand

Note: - Fixed charge for LT Supply is at per kW of Contracted Load except for Kutir Jyoti and for HT Supply it is per kVA of Billing Demand. In the case of Energy charge, it is at per kWh for LT supply and at per kVAh for HT supply and all LT high value services ought to have been provided with MDI meters.

The above table depicts fixed and energy charge only. However, Tariff Charges with detailed narrative description are given in the Tariff Schedule chapter of this Order.

(b) Approved Full Cost – Non-TOD based Tariffs

With the approved ARR for FY 2026-27, the Commission also works out the average cost of supply at the rate of **Rs.10.39/kWh**. In the event of non-receipt of subsidy in advance in any respective month from the State Government, the Commission considers to indicate the Full Cost Tariff (FCT) for charging the consumer during such month/months is tabulated below:

Table 8.3: Category wise full cost Tariff (i.e., Zero subsidy) approved by the Commission for FY 2026-27

Sl. No.	Consumer Category	Approved Full Cost Tariff (FCT)	
		Energy Charges (Rs/month)	Fixed Charges (Rs.)
1	Kutir Jyoti		
i)	First 20 kWh	6.70/kWh	25/Connection
ii)	Balance above 20 kWh	9.32/kWh	25/Connection
2	Domestic		
A	Low Tension		
i)	First 100 kWh	7.67/kWh	50/kW of Contracted Load
ii)	Next 100 kWh	14.61/kWh	50/kW of Contracted Load
iii)	Balance above 200 kWh	14.71/kWh	50/kW of Contracted Load
B	High Tension	10.33/kVAh	50/kVA of Billing Demand
3	Non-Profit Public Service		
A	Low Tension		
i)	First 150 kWh	8.43/kWh	60/kW of Contracted Load
ii)	Balance above 150 kWh	9.21/kWh	60/kW of Contracted Load
B	High Tension	9.04/kVAh	60/kVA of Billing Demand
4	Commercial		
A	Low Tension		
i)	First 150 kWh	11.31/kWh	80/kW of Contracted Load
ii)	Balance above 150 kWh	11.65/kWh	80/kW of Contracted Load
B	High Tension	8.71/kVAh	80/kVA of Billing Demand
5	Public Lighting	11.72/kWh	80/kW of Contracted Load
6	Public Water Works		
A	Low Tension	4.92/kWh	90/kW of Contracted Load
B	High Tension	10.58/kVAh	90/kVA of Billing Demand
7	Irrigation & Agriculture		

Sl. No.	Consumer Category	Approved Full Cost Tariff (FCT)	
		Energy Charges (Rs/month)	Fixed Charges (Rs.)
A	Low Tension	11.01/kWh	50/kW of Contracted Load
B	High Tension	9.28/kVAh	50/kVA of Billing Demand
8	Industrial		
A	Low Tension		
i)	First 400 kWh	9.59/kWh	80/kW of Contracted Load
ii)	Balance above 400 kWh	10.29/kWh	80/kW of Contracted Load
B	High Tension (Op-1)	9.68/kVAh	80/kVA of Billing Demand
	High Tension (Op-2)	0.00/kVAh	80/kVA of Billing Demand
9	Electric Vehicle charging Stns (LT)	7.26/kWh	--/kW of Billing Demand
10	Electric Vehicle charging Stns (HT)	7.26/kVAh	--/kVA of Billing Demand
11	Bulk Supply	9.74/kVAh	90/kVA of Billing Demand

(c) Approved Time of the Day (TOD) Tariff:

The TOD tariff for FY2026-27 for all the categories except Irrigation and Agriculture categories is given in the table below:

Table 8.4: TOD Tariff approved by Commission for FY 2026-27

Sl. No.	Category Consumers (P&ED)	Fixed Charge (kW/kVA)	Energy Charge (kWh/ kVAh)
1	2	3	4
1	KJ(Domestic)		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	25	2.45
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	25	3.10
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	25	1.95
2	Domestic-LT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	50	5.00
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	50	6.35
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	50	3.85
3	Domestic-HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	50	7.80
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	50	10.00
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	50	6.10
4	Non-Profit Public Purpose-LT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	60	6.95
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	60	8.90
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	60	5.40
5	Non-Profit Public Purpose-HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	60	8.45
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	60	10.80
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	60	6.60

Sl. No.	Category Consumers (P&ED)	Fixed Charge (kW/kVA)	Energy Charge (kWh/ kVAh)
6	Commercial-LT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	80	7.10
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	80	9.10
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	80	5.55
7	Commercial-HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	80	8.60
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	80	11.00
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	80	6.70
8	Public Lighting		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	80	8.80
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	80	11.25
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	80	6.85
9	PWS LT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	90	8.60
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	90	11.00
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	90	6.70
10	PWS HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	90	8.80
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	90	11.25
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	90	6.85
	Irrigation & Agriculture		
11	Irrgn & Agrl - LT	50	3.80
12	Irrgn & Agrl - HT	50	3.85
13	Industrial-LT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	80	7.00
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	80	8.95
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	80	5.45
14	Industrial-HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	80	9.05
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	80	11.40
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	80	7.05
15	Bulk Supply HT		
i)	From 06:00 Hrs. up to 17:00 Hrs. (Normal TOD)	90	7.70
ii)	From 17:00 Hrs. up to 22:00 Hrs. (Peak TOD)	90	9.70
iii)	From 22:00 Hrs. up to 6:00 Hrs. (Off-Peak TOD)	90	6.15
16	Electric Vehicle (EV) charging station (LT)		
i)	From 09:00 Hrs. up to 16:00 Hrs. (Solar Hour)	0	7.26
ii)	From 16:00 Hrs. up to 09:00 Hrs. (Non-Solar Hour)	0	13.49
17	Electric Vehicle (EV) charging station (HT)		
i)	From 09:00 Hrs. up to 16:00 Hrs. (Solar Hour)	0	7.26
ii)	From 16:00 Hrs. up to 09:00 Hrs. (Non-Solar Hour)	0	13.49

(d) Miscellaneous Charges and Important Conditions of Supply

The detail Tariffs including rates for un-metered categories of consumer, miscellaneous charges and Important Conditions of Supply furnished by P&ED are examined and approved as given in the **Tariff Schedule in the Appendix.**

9 Wheeling Charges

9.1 Background

Wheeling charges has been calculated in accordance with the Regulation-71 read with Regulation-72 of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 adopted by MZERC. Since, **the P&ED is not maintaining separate accounts for the Distribution Wire Business & Retail Supply Business**; the ARR of the wheeling business is arrived at in accordance with the allocation matrix as prescribed in the Regulation-72 of the said MYT Regulation. The recommended allocation matrix is given as below.

Table 9.1: Allocation Matrix

Sl. No	Particulars	Wire Business (%)	Retail Supply Business (%)
1	2	3	4
1	Cost of Power Purchase	0	100
2	Stand by Charges	0	100
3	Employee Expenses	60	40
4	Administration & General Expenses	50	50
5	Repair & Maintenance Expenses	90	10
6	Depreciation	90	10
7	Interest & Finance Charges	90	10
8	Interest on Working Capital	10	90
9	Interest on Consumer security Deposit	10	90
10	Provision for Bad Debt	0	100
11	Income Tax	90	10
12	Intra- state Transmission Charges	0	100
13	Contribution to contingency reserves	100	0
14	Return on Equity	90	10
15	Efficiency Gains	0%	100%
16	Non-Tariff Income	10	90

9.2 ARR for Wheeling Business

Petitioner's submission:

The ARR of the wheeling business arrived at in accordance with the above methodology is provided below:

Table 9.2: ARR of Wheeling Business for the FY 2026-27**(Rs. Crs)**

Sl. No.	Particulars	FY 2026-27	
		Total	Wheeling
1	2	3	4
1	Cost of Power Purchase	507.73	0.00
2	Cost of Generation	13.09	0.00
3	Cost of Fuel	0.00	0.00
4	Employee Cost	135.85	81.51
5	Administration & General Expenses	5.71	2.86
6	Repair & Maintenance Expenses	8.88	7.99
7	Transmission charges	53.62	0.00
8	Intra- state Transmission Charges	45.89	0.00
9	Interest on Loan	0.00	0.00
10	Interest on Working Capital	0.00	0.00
11	Interest on Consumer Security Deposit	0.00	0.00
12	Return on Equity	0.00	0.00
13	Provision for Bad debt	0.00	0.00
14	Depreciation	0.19	0.17
15	Contribution to Contingency Reserve Fund	0.00	0.00
16	Revenue Requirement	770.95	92.53
17	Non-Tariff Income	9.80	0.98
18	Net Revenue Requirement (15-16-17)	761.15	91.55

Commissions Analysis

ARR for wheeling business arrived based on approved ARR and methodology vide Table 9.1 supra is as detailed in table below.

Table 9.3: ARR of wheeling business approved by the Commission for FY 2026-27

Sl. No	Particulars FY 2026-27	Total ARR	Wires Business	Retail Supply business	Wires ARR	Retail Supply ARR
A	Expenditure	Rs.Crs	(%)	(%)	Rs.Crs	Rs.Crs
1	Cost of Generation	10.32	0%	100%		10.32
2	Cost of fuel	0.00	0%	100%		0.00
3	Cost of power purchase	498.33	0%	100%		498.33
4	Inter-State Transmission Charges	53.62	0%	100%		53.62
5	Intra-State Transmission charges	44.81	0%	100%		44.81
6	O&M Expenses	149.09			91.14	57.95
	Employee Expenses	135.85	60%	40%	81.51	54.34
	Repair & Maintenance Expn.	7.53	90%	10%	6.78	0.75
	Administrative & General Expn	5.71	50%	50%	2.86	2.86
7	Depreciation	0.19	90%	10%	0.17	0.02
8	Interest on Loan		90%	10%		
9	Interest on Working Capital		10%	90%		

Sl. No	Particulars FY 2026-27	Total ARR	Wires Business	Retail Supply business	Wires ARR	Retail Supply ARR
10	Interest on consumer Security Deposit		10%	90%		
11	Contribn to Contingency Reserve		100%	0%		
12	Provision for bad debts		0%	100%		
13	Return on Equity		90%	10%		
14	Income Tax		90%	10%		
	Total Gross ARR - (A)	756.36			91.31	665.05
B	Less: Non-Tariff Income	11.05	10%	90%	1.10	9.95
	Less: Efficiency Gains		0%	100%		
	Less: 1/3 rd of surplus in FY 2024-25	39.09	0%	100%		39.09
	Deductions total – B	50.14			1.11	49.04
	Net Aggregate Revenue Requirement (A-B)	706.22			90.21	616.01

9.3 Wheeling Tariff

Based on the revised ARR, P&ED Mizoram proposes the revised wheeling Tariff at Rs 1.66/kWh as detailed below:

Table 9.4: Wheeling for the FY 2026-27 filed by P&ED

Sl. No.	Particular	FY 2026-27
1	ARR for wheeling function	91.55
2	Total Energy sold	553.14
3	Wheeling Tariff (Rs. /unit)	1.66

Table 9.5: Commission approved Wheeling charges for FY 2026-27

Sl. No.	Particulars	For FY 2026-27
1	ARR for wheeling function (Rs. Crs)	90.21
2	Total Energy at Distribution input (MU) (&&)	727.82
3	Wheeling Tariff (Rs. /unit)	1.239

The P&ED estimated the wheeling Tariff at Rs 1.67/kWh, while the Commission has approved these wheeling charges at Rs 1.239/kWh for FY 2026-27.

&& - As per the MOP amendment Notification Dt.10th January2024 to Electricity rules 2005, the Wheeling charges shall be determined on ARR for Wheeling with the Energy Wheeling during the year but not the Energy Sold.

10 Voltage wise Cost of Supply

10.1 Preamble

P&ED is computing the voltage-wise cost of supply keeping in view the guidelines indicated by the Hon'ble APTEL its order dated 10.05.2012 in Appeal No.14 of 2011, appeal no. 26 of 2011 and appeal no. 27 of 2011. This section deals with the voltage wise cost of supply by the Petitioner for the FY 2026-27.

10.2 Background

The Petitioner is submitting to the Hon'ble Commission for determination of ARR for the upcoming FY 2026-27 as notified under Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 read with First Amendment Regulations, 2019. The Petitioner has proposed the distribution losses @ **24.50%** for the FY 2026-27.

10.3 Methodology adopted for Computation of Voltage wise Cost of Supply

The Hon'ble APTEL has proposed a simple methodology to functionalize use of Cost of Supply model. The APTEL notes that identical consumers connected at different nodes of distribution system need not to be differentiated. In addition, it is adequate to determine voltage-wise cost of supply considering the major cost elements which would be applicable to all the categories of the consumers connected at the same voltage level at different locations in the distribution system.

In the method suggested by the Hon'ble APTEL, there are five major components to arrive at the voltage wise cost of supply. These elements are:

- **Technical losses at each voltage level of the network:** This value of the technical losses is found by the field studies. Sampling of the feeders which are representative of the consumers in the system will help in identifying the technical losses at each voltage levels. The APTEL recognizes the difficulty in collecting data for technical loss at 11 kV and LT level, hence the suggestion to compute losses using maximum possible representative feeders for various consumer categories at respective voltage levels.
- **Commercial losses at each voltage level of the network:** The commercial loss

of the system is the difference between approved loss in the ARR and the total technical loss computed from system study. This difference is to be apportioned according to the sales in each voltage level to arrive at the commercial loss at each voltage level.

- **Voltage wise sales:** The energy sale at a particular voltage level is the sum of energy sold for all the categories of consumers connected at the said voltage level. Due to its share of sales in total sales, the consumers of the 132/220 kV network will be apportioned a share of the commercial losses. The Hon'ble APTEL recognizes that in reality, there may be minimal technical losses at that level and very low probability of commercial losses. However, the APTEL is of the opinion that the consumers at 132/220 kV, being a part of the distribution system will bear these apportioned losses.
- **Power Purchase Cost:** The power purchase cost is the cost of energy purchased for sustaining the energy sales at each voltage level. This power purchase units for each voltage level is arrived by finding the energy input at each voltage level and adding the losses (technical and commercial) for the same voltage level and upstream. The energy input at each voltage level is the sum of the sales at the voltage level and the losses for the corresponding voltage level.
- **Network Cost:** The network costs are the costs like O&M, interest and finance charges, depreciation, return on equity etc. These costs are a part of the ARR which in turn provides the average cost of supply. Thus, the network cost is essentially the difference between the ARR value and the power purchase cost. The APTEL has suggested apportioning these costs according to the sales volume in each of the voltage level.

The above elements will help to establish the voltage wise Cost of Supply. Due to the methodology applied to apportion losses in the various voltage levels, all the consumer categories at a particular voltage level will have same cost of supply. In this regard, APTEL has noted that refinements in the methodology may be done when more data becomes available.

10.4 Determination of Voltage wise Losses

Transmission & Distribution losses in a system are comprised of two separate components – Technical losses and Commercial losses.

- Technical losses occur naturally and consist mainly of power dissipation in electricity system components such as transmission & distribution lines and transformers.
- Commercial losses are caused by actions external to the power system and consist primarily of non-payment by customers, electricity theft, and errors in accounting and record-keeping. Since the rationale behind these two components is quite distinct, quantifying them separately is imperative for arriving at meaningful conclusions.

At each voltage level, the technical losses consist of two major Components: Transmission losses which refer to the losses in the current carrying wires; and Transformation losses which refer the losses incurred during the voltage transformation in the system. Aggregating the losses in these two elements at each voltage level would give the technical loss at that level. The losses remaining would be the commercial losses.

10.5 Information required for arriving Voltage Wise Cost of Supply

Petitioner's Submission:

Following is the list of details required in order to carry out voltage wise cost of supply:

- Voltage wise technical losses
- Overall T&D losses
- Voltage wise energy sales
- Power Purchase Cost
- Network Costs

It is submitted that the Petitioner has computed voltage wise losses based on certain assumptions after observing the sample feeder data available.

The Petitioner has computed voltage wise cost of supply in view of distribution loss percentage approved projected for the FY 2026-27.

Table 10.1: Voltage wise technical losses considered for FY 2026-27

Sl. No.	Voltage Level (kV)	Technical loss (%)	Cumulative loss (%)
1	220/132 kV	2.00%	2.00%
2	33 kV	4.25%	6.17%
3	11 kV	6.55%	12.31%
4	LT (0.4 kV)	13.90%	24.50%

The Petitioner has arrived at voltage wise sales considering the projected sale of power for the FY 2026-27, across various categories at the respective voltages mentioned in the table below:

Table 10.2: Classification of Categories on the basis of Voltage of power supply

Sl. No.	Voltage Level	Categories
1	220/132 kV	PHE
2	33 kV	Ispat, Power Grid, Assam Rifles, etc.
3	11 kV	Hospital, Hotel etc.
4	LT (0.4 kV)	Kutir Jyothi, Domestic, Non-Profit Public Purpose, Public Lighting etc.

The Petitioner further submits that the voltage wise cost of supply study is based on the sample data certain parameters such as total loss, energy input etc.

Voltage Wise Technical Loss: The Petitioner submits that it has taken suitable assumptions to arrive at the loss at 132 kV.

Commission analysis:

Fixation of Voltage-wise Technical Loss:

The voltage-wise technical losses indicated by the Petitioners were based on the limited field study/sample data only. No detailed study has been made to estimate the technical losses based on the feeder wise load data, conductor size and length etc. APTEL in its guidelines has indicated that the T&D loss as approved by the Commission in its Tariff Order has to be considered while computing the voltage wise cost of supply. Due to lack of needed data for segregation of technical and commercial losses, the Commission could not separately fix the technical and commercial loss level within the total distribution loss approved for FY 2026-27.

The P&ED had submitted the overall T&D Losses at 24.50% in their ARR submission. Therefore, it is considered appropriate to assume technical and commercial loss levels for realistic assessment of Cost of Supply within overall T&D loss level, i.e. Transmission Loss of **2%** as approved for P&ED and Distribution Loss of **24.00%** which is yielding to overall T&D losses derived to be **25.52%** as approved by the Commission for FY 2026-27.

The Commission has considered the following voltage-wise technical loss for FY 2025-26 for computing voltage wise cost of supply:

Table 10.3: Voltage wise technical losses considered for FY 2026-27 by Commission

Sl. No.	Voltage Level (kV)	Technical Loss (%)	Cumulative Loss (%)
1	220/132 kV	2.00%	2.00%
2	33 kV	4.150%	6.07%
3	11 kV	6.400%	12.08%
4	LT (0.4 kV)	13.560%	24.00%

The Petitioner has arrived at voltage wise sales considering the projected sale of power for the FY 2026-27, across various categories at the respective voltages mentioned in the table below:

Table 10.4: Classification of Categories on the basis of Voltage of Power supply

Sl. No.	Voltage Level	Categories
1	220/132 kV	PHE
2	33 kV	Ispat, Power Grid, Assam Rifles, etc.
3	11 kV	Hospital, Hotel etc.
4	LT (0.4 kV)	Kutir Jyothi, Domestic, Non-Profit Public Purpose, Public Lighting etc.

The Petitioner further submits that the voltage wise cost of supply study is based on the sample data certain parameters such as total loss, energy input etc.

Voltage Wise Technical Loss: The Petitioner submits that it has taken suitable assumptions to arrive at the loss at 132 kV.

10.6 Methodology adopted for determination of Cost of Supply

Petitioner Submission:

Due to lack of data for segregation of technical and commercial losses, it is not feasible to fix the technical and commercial loss levels within proposed loss levels.

In order to understand component of technical losses in total T&D loss, technical loss at each voltage level needs to be grossed. Following is the total technical loss at each voltage level and cumulative losses at subsequent voltage levels.

Table 10.5: Voltage wise technical loss considered for FY 2026-27 by P&ED

Sl. No.	Voltage Level (kV)	Technical loss (%)	Cumulative loss (%)
1	220/132 kV	2.00%	2.00%
2	33 kV	4.25%	6.17%
3	11 kV	6.55%	12.31%
4	LT (0.4 kV)	13.90%	24.50%

Commission Analysis:

The voltage wise losses in comparison to the above figure as derived by the Commission for adoption in voltage wise cumulative losses will add up to 24.496% which is different from 24.50% as stated by Licensee.

Voltage	Tech. Losses	Cum. Loss
220/132kV	2.00%	2.00%
33 kV	4.15%	6.07%
11kV	6.40%	12.08%
LTkV	13.56%	24.00%
	24.00%	

Petitioner Submission:

Following is the apportionment of technical losses to the voltage wise sale by petitioner.

Table 10.6: Apportionment of technical losses to voltage wise sale for FY 2026-27

Sl. No	Voltage Level (KV)	Technical Losses (%)	Cumulative Loss (%)	Energy Sale (MU)	Energy input (MU)	Technical Loss (MU)
1	2	3	4	5	6	7 = (6-5)
1	220/132 kV	2.00%	2.00%	1.68	1.72	0.03
2	33 kV	4.25%	6.17%	14.74	15.71	0.97
3	11 kV	6.55%	12.31%	83.20	94.88	11.68
4	LT (0.4 kV)	13.90%	24.50%	453.52	600.68	147.17
	Total			553.14	713.00	159.85

Commercial losses (difference of total losses and grossed up technical losses) shall be apportioned pro rata to energy sales at each voltage level.

Table 10.7: Apportionment of Commercial losses to voltage wise sale for FY 2026-27

Sl. No	Voltage Level (KV)	Energy Sales (MU)	Technical Loss (MU)	Sales Incl. Technical Loss (MU)	Commercial Loss (MU)	Energy Input at State Periphery (MU)
1	2	3	4	5	6	7
1	220/132 kV	1.68	0.03	1.72	0.07	1.79
2	33 kV	14.74	0.97	15.71	0.67	16.38
3	11 kV	83.20	11.68	94.88	4.02	98.91
4	LT (0.4 kV)	453.52	147.17	600.68	29.79	630.48
	Total	553.14	159.85	713.00	34.55	747.55

Commission Analysis:

The following will be the apportionment of Technical Losses to various voltage wise losses for FY2026-27 as per the approved figures of Commission.

Table 10.8: Voltage wise technical & Commercial losses by Commission for FY 2026-27

Voltage Level (KV)	Voltage wise (Tech Losses)	Cumml. Losses (%)	Sales (MU)	Discom Input (MU)	Tech. Losses (MU)	Commrl. Losses (MU)	Energy at State Periphery
(1)	(2)	(3)	(4)	(5)	6=(5-4)	(7)	8=(5+7)
220/132kV	2.00%	2.00%	1.68	1.714	0.03	0.039	1.75
33 kV	4.15%	6.07%	14.74	15.69	0.95	0.369	16.06
11 kV	6.40%	12.08%	83.20	94.63	11.43	2.215	96.85
400V	13.56%	24.00%	453.52	596.74	143.22	16.417	613.16
Total			553.14	708.78	155.64	19.04	727.82

@-The overall Commercial Losses are derived separately and apportioned to various voltages basing on each voltage Input energy proportion to Total Input Energy. The values are adopted from approved figures of Commission.

Petitioner Submission:

The Projected Power Purchase Cost (including PGCIL, POSOCO & ERLDC transmission costs) of the Petitioner for the FY 2026-27 is provided below:

Table 10.9: Allocation of power purchase cost for FY 2026-27 (P&ED)

Particulars	FY 2026-27
Gross Power Purchase (MU)	1049.62
Less: ER & NER Pool Loss (MU)	16.26
Less: Outside State Sale (MU)	285.81

Particulars	FY 2026-27
Net Power Purchase (MU)	747.55
Power Purchase Cost (Rs. Crore)	507.73
Inter-State Transmission charges (Rs. Crore)	53.62
Cost of generation (Rs. Crore)	13.09
Less: Revenue from Outside Sale (Rs. Crore)	131.86
Total Cost (Rs. Crore)	442.58
Average Power purchase Cost (inc. PGCIL charge) (Rs./kWh)	5.92

Following is the allocation of power purchase cost to the total energy sales.

Table 10.10: Allocation of power purchase cost to the Energy sales for FY 2026-27

Sl. No.	Voltage Level (KV)	Energy Sale (MU)	Energy Sales + Technical loss + Comml. Loss (MU)	Projected Unit cost of power purchase (Rs. /unit)	Power Purchase Cost (Rs. Crore)	Cost of Power per unit sale of Energy (Rs. /unit)
1	2	3	4	5	6 = (4*5)	7= (6÷3)
1	220/132 kV	1.68	1.79	5.92	1.06	6.30
2	33 kV	14.74	16.38	5.92	9.70	6.58
3	11 kV	83.20	98.91	5.92	58.56	7.04
4	LT (0.4 kV)	453.52	630.48	5.92	373.27	8.23
	Total	553.14	747.55		442.58	8.00

The details of fixed distribution costs for the FY 2026-27 are provided below, which are excluding power purchase and PGCIL charges.

Table 10.11: Allocation of Network Cost for FY 2026-27

Sl. No.	Particulars	Amount (Rs. Cr)
1	Employee Cost	135-85
2	R&M costs	7.53
3	A&G expenses	5.71
4	Depreciation	0.19
5	Interest & Finance Charges	-
6	Interest on Working Capital	-
7	Return on Equity	-
8	Intra-State transmission charges	45.89
9	Less: Non-Tariff Income	9.08
10	Total cost	186.71

Commission Analysis:

Average Power Purchase cost applicable to P&ED for FY 2026-27 is as per the following Tables.

Table 10.12: Allocation of power purchase cost for FY 2026-27 by Commission

Particulars	FY 2026-27
Gross Power Purchase (MU)	1044.63
Less: ER & NER Pool Loss (MU)	16.15
Less: Outside State Sale (MU)	-285.81
Net Power Purchase (MU)	742.67
STU Losses (MU)	14.85
Energy at State Periphery (MU)	727.82
Power Purchase Cost (Rs. Crore)	498.33
Inter-State Transmission charges (Rs. Crore)	53.62
Intra-State Transmission charges	44.81
Total Cost (Rs. Crore)	596.76
Average Power purchase cost per unit - (Rs. /kWh)	8.20

Petitioner Submission:

Further, the Petitioner has worked out the voltage wise cost of per unit supply. Accordingly, the Petitioner has apportioned the network cost of Rs. 186.71 Crore arrived in the above table among the consumers of various voltage level i.e., 220/132 kV, 33 kV, 11 kV and LT levels, equitably on pro-rata basis as detailed below

Table 10.13: Voltage-wise Allocation of Network Cost

Sl. No.	Voltage Level (KV)	Energy Sale (MU)	Energy Sales + Technical loss + Comm. Loss (MU)	Network Cost (Rs. Crore)	Cost of Power per unit sale of Energy (Rs./unit)
1	2	3	4	6 = (4*5)	7= (6÷3)
1	220/132 kV	1.68	1.79	0.45	2.66
2	33 kV	14.74	16.38	4.09	2.77
3	11 kV	83.20	98.91	24.70	2.97
4	LT (0.4 kV)	453.52	630.48	157.47	3.47
	Total	553.14	747.55	186.71	3.38

Table 10.14: Cost of Supply at different Voltage Levels for FY 2026-27

Sl. No.	Supply Voltage	Cost of power purchase (Rs. /unit)	Network cost (Rs. /unit)	Cost of supply (Rs. /unit)
1	2	3	4	5
1	220/132 kV	6.30	2.66	8.95
2	33 kV	6.58	2.77	9.35
3	11 kV	7.04	2.97	10.01
4	LT (0.4 kV)	8.23	3.47	11.70

It is prayed that the Hon'ble Commission may kindly consider the above submission and approve the Voltage wise cost of supply as projected by the Petitioner for the FY 2026-27.

Commission Analysis:

The allocation of power Purchase cost to various voltages is derived as follows:

Table 10.15: Allocation of power purchase cost to the Energy sales for FY 2026-27

Sl. No.	Voltage Level (KV)	Sales (MU)	Actual Purchase	Voltage PP cost (Rs.Crs)	Assigned PP Cost (Rs. /kWh)
1	220/132kV	1.68	1.75	1.44	8.55
2	132/33kV	14.74	16.06	13.17	8.93
3	33/11kV	83.20	96.85	79.41	9.54
4	400V	453.52	613.16	502.75	11.09
5	Total	553.14	727.82	596.76	10.79

The details of fixed distribution network costs for the FY 2026-27 are provided below:

Table 10.16: Allocation of Network Cost for FY 2026-27

Sl. No.	Particulars	Amount (Rs. Cr)
1	Employee Cost	135.65
2	R&M costs	7.53
3	A&G expenses	5.71
4	Depreciation	0.19
5	Interest & Finance Charges	-
6	Interest on Working Capital	-
7	Return on Equity	-
8	Less: Non-Tariff Income	-11.06
9	Total network cost derived	138.23

Table 10.17: Voltage-wise Allocation of Network Cost by commission

Voltage Level	Category of sales	Energy Sale (MU)	Sales + Technical + Comm. Loss	Voltage wise Network Cost	Network CPU of energy sale
			(MU)	(Rs. Cr)	(Rs. Cr)
220/132kV	PHE	1.68	1.75	0.33	1.982
132/33kV	Ispat, Power Grid, Assam Rifles etc	14.74	16.09	3.05	2.069
33/11kV	Hospital, Hotel etc	83.20	96.85	18.39	2.211
400V	Kutir Jyothi, Domestic, Non-Profit PP, Public Lighting etc	453.52	613.16	116.45	2.568
	Total	553.14	727.82	138.23	2.499

Table 10.18: Voltage wise Cost of Supply for FY 2026-27 approved by the Commission

Voltage Level (kV)	Cost of Power (CPU)	Network Cost (CPU)	Per Unit CoS Rate
220/132	8.55	1.98	10.54
33	8.93	2.07	11.00
11	9.54	2.21	11.75
400V	11.09	2.57	13.65

11 Transmission function ARR for FY2026-27

11.1 Introduction & Basis of MYT filing

P&ED Mizoram's tariff determination is now governed by "Joint Electricity Regulatory Commission for Manipur & Mizoram (Multi Year Tariff) Regulations, 2014" (referred to as "MYT Regulations, 2014") which came into force from 09.06.2014 read with First Amendment Regulations, 2019. The MYT Regulations, 2014 provide a framework for calculating tariffs on a cost-plus basis for a period of five years and allow the licensee to recover operational expenses including depreciation, interest on working capital and debt, and return on equity amongst others. The MYT Regulations, 2014 provide for the methodology & principles to be followed for determination of Transmission charges.

Multi Year Tariff Order for the control period of 5 years from FY 2023-24 to FY 2027-28 was issued by the Hon'ble Commission vide order dated 28.03.2023 under the (Multi Year Tariff) Regulations, 2014.

In that Tariff Order, the Hon'ble Commission determined the Aggregate Revenue Requirement for the FY 2023-24 to FY 2027-28.

P&ED Mizoram is submitting the present petition for determination of ARR for the FY 2026-27.

Further, the Regulations segregate the items impacting tariffs into controllable and uncontrollable factors. Items that are uncontrollable are passed through to the consumers. The MYT Regulations, 2014 identifies the uncontrollable and controllable parameters as follows:

UNCONTROLLABLE FACTORS: -

The "uncontrollable factors" comprises of the following factors:

- (i). Force Majeure events;
- (ii). Change in law, judicial pronouncements and Orders of the Central Government, State Government or Commission;
- (iii). Variation in the price of fuel and/or price of power purchase according to the FPPA formula approved by the Commission from time to time; (for distribution function);

- (iv). Variation in the number or mix of consumers or quantities of electricity supplied to consumers;
- (v). Transmission Loss;
- (vi). Variation in market interest rates;
- (vii). Taxes and Statutory levies;
- (viii). Taxes on Income;
- (ix). Non-Tariff Income;

CONTROLLABLE FACTORS: -

Controllable factors include, but are not limited to the following:

- (i). Variations in capitalization on account of time and/or cost overruns/ efficiencies in the implementation of a capital expenditure project not attributable to an approved change in scope of such project, change in statutory levies or force majeure events;
- (ii). Variation in Interest and Finance Charges, Return on Equity and Depreciation on account of variation in capitalization, as specified in clause (i) above;
- (iii). Variations in technical and commercial losses of Distribution Licensee;
- (iv). Variations in performance parameters;
- (v). Variations in working capital requirements;
- (vi). Failure to meet the standards specified in the Joint Electricity Regulatory Commission for the states of Manipur and Mizoram (Standard of Performance for Distribution and Transmission Licensees) Regulations, 2010, as amended from time to time except where exempted in accordance with those Regulations;
- (vii). Variations in labour productivity;
- (viii). Variation in operation & maintenance expenses;
- (ix). Variation in Wires Availability.

11.2 Filing of Tariff proposal for FY 2026-27

P&ED Mizoram hereby submits its proposal for approval of Transmission Tariff for the FY 2026-27. This proposal is being submitted in compliance with the provisions of MYT Regulations, 2014.

11.3 OVERALL APPROACH FOR PRESENT FILING

a) Transmission Charges for FY 2026-27:

P&ED Mizoram hereby submits its petition for approval of Transmission Tariff for

the FY 2026-27. This petition is being submitted in compliance with the provisions of MYT Regulations, 2014. The petitioner has attempted to comply with the various guidelines in the Act and regulations within the limitations of availability of data.

P&ED, Mizoram is filing the petition based on the past performance and expected changes in each element of cost and revenue for the ensuing year. P&ED has studied the past trends and taken cognizance of other internal and external developments to project the likely performance during the FY 2026-27.

b) Approach for the Filing

The subsequent sections provide projection for various expenses as approved by the Hon'ble Commission and the projected expenses for the FY 2026-27.

Projections of various cost components required for determination of Aggregate Revenue Requirement along with the rationale for estimation of such cost, the philosophy adopted by P&ED for projecting power to be transmitted for the FY 2026-27 has been covered in various sections.

For the purpose of projecting the financial & technical parameters, P&ED has considered its actual performance during FY 2024-25 and FY 2025-26 (H1) as base and has projected the figures for the FY 2026-27 with supporting rationales.

c) AGGREGATE REVENUE REQUIREMENT FOR FY 2026-27

This section outlines the Aggregate Revenue Requirement of the P&ED for FY 2026-27, which takes into consideration:

- i. Actual Performance in FY 2024-25;
- ii. Estimated Performance for FY 2025-26 based on the Actual performance for the period 01.04.2024 to 30.09.2024;
- iii. Projection based on the Actual performance in FY 2024-25 and estimated performance in FY 2025-26;
- iv. Principles outlined in MYT Tariff Regulations of JERC (M&M).

Past trends have been taken into cognizance in case of certain elements as deemed necessary. The present section has been structured in the following manner:

- **Determination of Energy to be transmitted**
 - o Energy input Projections

- o Loss Trajectory
- o Energy Balance
- **Proposed Capital Expenditure and capitalization**
 - o **Scheme wise details**
 - Capital Expenditure
 - Asset Capitalization
- **Determination of the Aggregate Revenue Requirement**
 - o Power Generation/Purchase Costs
 - o Transmission Charges
 - o Operation and Maintenance Expenses
 - o Depreciation
 - o Interest charges (including interest on working capital)
 - o Return on NFA
 - o Provision for Bad and Doubtful Debts
 - o Return on Equity

11.4 Capacity allocation and Energy Requirement

The Transmission capacity requirement and allocation to the long term & medium-term users of the license area is determined based on the expected transmission of energy in the area during the period under consideration. The Transmission function of P&ED primarily handles power required by the Distribution function and hence the forecast/projection would completely depend on the sales/energy transmission projection of the distribution function. Accordingly, the transmission system requirement projection by the P&ED for FY 2026-27 is as given in the succeeding paragraphs.

The energy requirement of the state is mainly met from outside Generating sources as the State's HEPs generations are seasonal in nature. The share allocation of Mizoram from various Central Sector Generating Stations & Own generation capacity is provided in the tables below. Apart from the allocation from the Central Sector Generating Stations & own sources, Mizoram has to resort to additional short-term purchases through other sources i.e. UI/Deviation over drawal & IEX/PXIL through exchange.

Table 11.1: Power Availability sources/ share (Other than Own Generation)

Sl. No.	Source	Plant Capacity (MW)	Licensee's Share in %	Licensee's Share in MW
A	Central Generating Stations			

Sl. No.	Source	Plant Capacity (MW)	Licensee's Share in %	Licensee's Share in MW
I	NTPC			
	Bongaigaon TPS	750	5.415	40.613
	Farakka STPS	1600	0.142	2.268
	Kahalgaoon STPS	840	0.142	1.192
	Talcher STPS	1000	0.142	1.417
	NTPC-Total	4190		45.490
II	NHPC			
	Loktak HEP	105	5.025	5.276
	NHPC-Total	105		5.276
III	NEEPCO			
	Kopili HEP	200	4.610	9.220
	Kopili - II HEP	25	6.038	1.510
	Khandong HEP	50	3.935	1.968
	Ranganadi HEP	405	5.704	23.100
	Doyang HEP	75	5.247	3.935
	Pare HEP	110	5.766	6.342
	Tuirial HEP	60	100.00	60.000
	AGBPP	291	5.409	15.740
	AGTPP	135	6.005	8.107
	NEEPCO-Total	1351		129.921
IV	TSECL			
	B'mura - IV	21	25.00	5.250
	B'mura - V	21	25.00	5.250
	TSECL-Total	42		10.500
V	OTPC			
	Palatana	726	5.785	42.000
	OTPC-Total	726		42.000
VI	Grand Total	6414		233.187

Table 11.2: Power Sources for FY 2026-27- Own HEP Generation

Sl. No.	Name of Station	Installed Capacity (MW)
1.	Serlui-A	1.00
2.	Tuirivang	0.30
3.	Khawiva HEP	1.05
4.	Tuipui HEP	0.50
5.	Maicham-I	2.00
6.	Teirei HEP	3.00
7.	Tuipanglui	3.00
8.	Kau-Tlabung HEP	3.00
9.	Lamsial	0.50
10.	Maicham-II	3.00
11.	Tlawva	5.00
12.	Kawlbern	4.00
13.	Serlui-B	12.00
	Total	38.35

Commission Analysis:

To transmit power within the State, P&ED has indicated the following transmission network position in (Form No.P4) for FY 2024-25 in their ARR submission made, but there is no update on the following data:

Table 11.3: Estimated Transmission Network position in FY 2024-25

Sl. No	Particulars	Beginning of the year	Additions in the year	Withdrawal from service	At the end of year
	Type of Line		(ckt-km)	(ckt-km)	(ckt-km)
1	132 kV	1000	35	--	1035
2	66 kV	128	--	--	128
3	33 kV	1389	186	--	1574
4	11 kV	5555	68	--	5624
5	LT	3882	76	--	3958
6	33/11 kV SS	64	4	--	68
7	(33/11KV) PTs in MVA capacity	117	--	11	106

11.5 Transmission Loss**Petitioner's submission:**

P&ED has been trying to reduce the transmission losses during recent years. P&ED submits that the system improvement works executed every year under the plan schemes have also contributed to the reduction of transmission losses. However, it may also be noted that reduction of transmission losses may not be possible beyond a certain level due to topographical conditions and technical limitations. The Department is currently not equipped to measure the exact energy flowing into and out of the state grid at various levels due to the in adequate metering equipment. Therefore, State Transmission losses has been calculated on the basis of the net input energy in the State Transmission System periphery. The transmission losses have been considered at 2% as approved by the Hon'ble Commission. The table below provides the calculation of transmission loss for the period.

Table 11.4: Transmission Loss

Sl. No.	Description	Unit (MU)/%	Approved in T.O 28.03.23	Proposed by P&ED	Deviation
1	Energy available at State Trans. Grid including local generation	Mus	727.96	747.55	19.59
2	Transmission Loss %	%	2%	2%	0.00
3	Transmission Loss (1 X 2)	MUs	14.56	14.95	0.39

Sl. No.	Description	Unit (MU)/%	Approved in T.O 28.03.23	Proposed by P&ED	Deviation
4	Net Energy available for sale at Transmission level (1 - 3)	MUs	713.40	732.60	19.20

Commission Analysis:

The above tabulated data on transmission loss is an outcome of the Commission Tariff Order of FY 2024-25 and FY 2025-26. As seen from the **Form No. P4 – Physical Statistics of the network**, the data pertaining to Number of Interface meters for 0.5 & 0.2 accuracy class meters has not indicated any meter installed number data deliberately for all the three years from FY2024-25 onwards. Obviously, the P&ED has no other option but to bank upon the Transmission Loss for all the 5 years in MYT at 2% transmission loss levels only and no discernible progress had ever depicted in this filing for Transmission function is very much perturbing. There is no action plan indicated as to how they manage to achieve this task of 2% transmission loss constantly and measure the loss accurately. Otherwise, **the loss over and above 2% would get added to distribution loss and reflect their performance badly on distribution function ultimately.** As seen from the physical Statistics of the network data the investment amount in Transmission area is in declining trend and never bothered to install interface meters to accurately measure the loss of energy at transmission level.

Thus, the Commission too considers transmission loss at 2.00% for FY 2026-27 in the absence of needed basic data.

11.6 Capital Expenditure & Capitalization

P&ED has undertaken significant capital expenditure during the previous years and has plans to implement schemes for development of infrastructure during the FY 2026-27. The infrastructure of P&ED is insufficient to cater to the present & projected load and hence to meet the increasing demand, capital expenditure is absolutely necessary.

The objective of incurring the capital expenditure is to continue the up-gradation and strengthening of the transmission network to meet the desirable standards of performance and provide better network reliability and sustainable performance.

Commission Analysis:

The above statement has no relevance to the actual performance being noticed in the form of loss reduction strategies and still unable to provide accurate transmission losses sustained in the state with authenticity. They could not even specify the number of interface meters installed in the transmission network right from FY 2021-22 onwards. Where all the investments made so far in transmission activity had not given any fruitful results and needs thorough scrutiny. **The capital investments so far indicted as spent seem to be not used for intended purpose.**

This is something very much causing displeasure to the Commission to note this window dressing performance on paper only.

As seen from the Schedule-20 of the Audited annual accounts data, the capital addition in FY2024-25 is Rs.47.32CrS leaving aside the capital additions pertaining to earlier years of Rs.40.45CrS. But the final transmission asset break for 2023-24 and 2024-25 is shown below with a **capital addition** of Rs.39.64CrS for Transmission function.

(in Rs)		
FY 2024-25	FY 2023-24	Additions in 24-25
1,74,10,10,654	1,34,45,67,610	39,64,43,044
Pertains to transmission function only (as indicated in Schedule-20 of annual accounts for 24-25)		

When the entire capital subsidy amount was appears to be spent on Transmission function, why there is no much asset creation trend seen in Physical network table is not understood by the Commission and the perennial inability to measure the Transmission network losses position is not improved at all.

11.7 Aggregate Revenue Requirement

Based on the provisions of the Tariff Regulations, the estimate for the Aggregate Revenue Requirement (ARR) would consist of the following elements:

- Return on Equity
- Interest and Finance charges on Loan Capital
- Depreciation
- Operation and Maintenance Expenses

- Interest on working capital

The above Aggregate Revenue Requirement is netted off for Non-Tariff Income for determining the net ARR for transmission function of P&ED Mizoram.

11.8 Return on Equity

Petitioner's submission

Regulation 26 of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 read with Regulation 22 provides the methodology for calculation of the Interest & Finance Charges. It provides that 30% of the capital employed shall be considered as equity and balance 70% is to be considered as loan.

In this regard it is submitted that the P&ED being a Government Department, the entire capital employed till date has been funded through fund infusion by the Government in form of budgetary support which are generally **in the nature of grants and aids through financial institutions.**

In view of the above, the financial principal of debt-equity ratio of 70:30 and return on equity thereon as provided in regulation 26 read with regulation 22 may not be applicable to the P&ED. **Therefore P&ED has not considered return on equity while computing the ARR.**

Commission's analysis

Keeping in view of the above highlighted submission of the Licensee, **the Commission too had not considered any ROE for transmission function** separately for FY 2026-27 as has been followed as a convention being adopted in the earlier years also as the same is considered in the distribution function itself.

11.9 Interest and Finance charges

Petitioner's submission

Regulation 27 of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 provides the methodology for calculation of the Interest & Finance charges. It provides that 30% of the capital employed shall be considered as equity and balance 70% is to be considered as

loan. The regulation provides for normative loan irrespective of actual loan availed by the utility. Repayment of loan and interest are also to be considered on normative basis.

In this regard it is submitted that the P&ED being a Government Department, the entire capital employed till date has been funded through fund infusion by the Government inform of budgetary support which are generally in the nature of grants.

In view of the above, the financial principal of debt-equity ratio of 70:30 as provided in regulation 27 read with regulation 22 may not be applicable to the P&ED. **Therefore P&ED has not considered Interest and finance charges while computing the ARR.**

Commission's analysis

Keeping in view of the above submission by the Licensee duly highlighted, the Commission **too did not consider any Interest and Finance charges** for transmission function for FY 2026-27 onwards as has been following as a convention applied even in the past as the same is once again considered fully in the distribution ARR function itself.

11.10 Gross Fixed Assets and Depreciation

11.10.1 Gross Fixed Assets

Petitioner's submission

P&ED has projected the Gross Fixed Asset in accordance with the Regulation 23 of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014.

It is submitted that opening value of gross fixed assets (GFA) for the FY 2024-25 has been taken from Fixed Asset Register as on 31.03.2025 & the audited accounts for the FY 2024-25 and the same has been increased by estimated addition during the FY 2025-26. Thereafter, planned additions during the FY 2026-27 have been considered and accordingly, GFA has been computed for the FY 2026-27. The GFA

movement is given in the table below:

Table 11.5: Gross Fixed Asset Movement projected by P & ED

Particulars	Approved in T.O 28.03.2023	Proposed by P&ED	(Rs . Cr)
			Deviation
Opening Balance	207.14	387.35	180.21
Additions during the year	2.78	0.00	-2.78
Closing Balance	209.92	387.35	177.43

Commission analysis:

The entire net assets value of the Transmission function as on 31st March 2025 is only Rs.174.10Crs and the indication of Rs.387.35Crs as opening balance of Transmission assets value for FY2026-27 is totally fallacy not tenable and hence, it is disagreed to by the Commission upon correlating with the finalized balance sheet values of FY2024-25. Therefore, the value shall be considered only at Rs.174.10Crs only for Tariff Order purpose now in view of the inability of P&ED to provide functional wise break-up figures as a perennial deficiency.

11.10.2 Depreciation

Petitioner's submission

P&ED Mizoram has projected the depreciation in accordance with the Regulation 28 of The Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014.

The Depreciation as approved by the Hon'ble Commission & proposed by the P&ED Mizoram is in the Table below:

Table 11.6: Depreciation projected by P & ED

Particulars	Approved in T.O 28.03.2023	Proposed by P&ED	(Rs. Cr)
			Deviation
Opening GFA	207.14	387.35	180.21
Additions During the Year	2.78	0.00	-2.78
Closing GFA	209.92	387.35	177.43
Average GFA	208.53	387.35	178.82
Avg. Depreciation	3.13	3.26	0.13
Total depreciation	6.53	12.64	6.11
1% Depreciation	0.65	0.13	-0.53

Commission's Analysis

In the absence of any function wise asset details pertaining to Transmission portion the amount of depreciation as projected is provisionally approved for Rs.0.056Cr for FY2026-27 considering the transmission opening value of Rs.174.10Cr.

11.11 Operation and Maintenance expenses**Petitioner's submission**

Operation & Maintenance expenses comprise of the following heads of expenditure viz.

- Employee Expenses
- Administration & General Expenses
- Repairs & Maintenance Expenses

The operation & maintenance expenses have been arrived at in accordance with the Regulation 62.5 of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014. It is submitted that the P&ED Mizoram is an integrated utility carrying out the three functions of Generation, Transmission & Distribution and the complete segregation of function wise accounts has not been done yet. In view of the above the operation & maintenance expenses has been allocated among the various functions on the principle allowed by the Hon'ble Commission in the Tariff order for the FY 2014-15.

The allocated actual expenses for the FY 2024-25 has been considered as the operation & maintenance expenses and the same has been escalated at the escalation factor of 5.72% to arrive at the operation & maintenance expenses for the FY 2025-26. The operation & maintenance expenses for the FY 2026-27 has been determined by further escalating the estimated operation & maintenance expenses for the FY 2025-26 by the escalation factor of 5.72% Year on Year.

Accordingly, details of operation & maintenance expenses viz. Employee Expenses, Administration & General Expenses & Repairs & Maintenance Expenses are provided in the subsequent sections.

11.11.1 Employee Expenses

The expense head of employee cost consists of salary and allowance, bonus, Leave Travel Concession (LTC) & Honorarium etc. The Employee Expenses as approved by the Hon'ble Commission & proposed by the P&ED Mizoram is given in the table below.

Table 11.7: Employee Expenses projected by P&ED

Particulars	Rs.Crores		
	Approved in T.O 28.03.2023	Proposed by P&ED	Deviation
Employee Expenses	47.11	38.81	-8.30

Commission Analysis:

Moreover, in the past P&ED was initially claiming Transmission ARR and later on it claims all its cost elements under Distribution function itself and discarding the earlier ARR amount preferred. This means the ARR filing for Transmission is done for the sake of it to file an ARR only.

The projection so made by the Licensee is made without the break-up details of employee strength existing in transmission function and many a time failed to provide the break-up in the past. Hence, the transmission employee cost is not basing on any number of employees. However, the commission approves the following amount for transmission function subject to reducing these values finally in finalizations of distribution function as a whole. For this financial year the following is the approved employee cost for ARR purpose.

Table 11.8: Employee Expenses now approved by commission for FY2026-27

Financial year	Rs.Crs
	Now revised Employee cost
Employee Cost	37.81

11.11.2 Administration and General Expenses**Petitioner's submission**

A&G expenses comprise of the following broad subheads of expenditure, viz.

- Domestic Travelling Expenses
- Office Expenses

- Legal, Regulatory & Consultancy Fees
- Insurance etc.

The expense head of A&G expenses consists of Domestic Travelling Expenses, Office Expenses, Legal Regulatory & Consultancy Fees & Insurance etc. The A&G Expenses as approved by the Hon'ble Commission & proposed by the P&ED Mizoram is given in the table below.

Table 11.9: Administrative and General Expenses projected

(Rs. Cr)

Particulars	Approved in T.O 28.03.2023	Proposed by P&ED	Deviation
Administration & General Expenses	1.72	1.63	-0.09

Commission's analysis

The Commission's approves Administration and General Expenses for FY2026-27 an amount of Rs.1.63Cr as preferred by the Licensee.

11.12 Repairs and Maintenance expenses

Petitioner's submission

P&ED Mizoram has been undertaking various Repairs and Maintenance activities as a step towards improvement of systems, reduction in breakdowns, reduction in response time and increasing preventive maintenance. The R&M Expenses as approved by the Hon'ble Commission & proposed by the P&ED Mizoram is given in the table below.

P&ED has projected the R&M expenses in accordance with the Regulation 89.6 of The Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 and the methodology described in the para 4.4. It is therefore kindly requested that Hon'ble Commission may approve the R&M expenses as projected.

Table 11.10: Repair and Maintenance expenses projected by P&ED

(Rs . Cr)

Particulars	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
Repair & Maintenance Expenses	7.73	5.31	-2.42

Commission's analysis:

The Commission **approves R&M Expenses for FY 2026-27 at Rs.5.31Cr**s as projected by P & ED indicated in the above table. These values will be reduced from the distribution figure finalization.

O&M Expenditure:

Petitioners Submission

The overall O&M Expenditure are tabulated below:

Table 11.11: Overall summary of O&M Expenditure for the MYT Period by P&ED
(Rs . Crore)

Sr. No.	Particulars	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Employee Expenses	47.11	38.81	-8.30
2	Administration & General Expenses	1.72	1.63	-0.09
3	Repair & Maintenance Expenses	7.73	5.31	-2.42
4	Total O&M Expenses	56.56	45.76	-10.80

It is submitted that P&ED Mizoram has proposed the revised O&M Expenditure against the O&M Expenditure by the Hon'ble Commission vide MYT Order dated 28.03.2023.

Commission's analysis:

Table 11.12: Summary of O & M expenses Approved by Commission for Transmission
(Rs . Crore)

Sl. No.	Particulars	Now approved by Commission
1	Employee Expenses	37.81
2	Administration & General Expenses	1.63
3	Repair & Maintenance Expenses	5.31
4	Total O&M Expenses	44.75

To the extent of above approved O&M expenses amount for Transmission function, there will be equal amount of reduction in the O&M expenses for Distribution besides the Generation function cost of O&M also as there is no proper assessment of this cost each function wise.

11.13 Interest on Working Capital

Petitioner's submission

As per the Regulations, for the purpose of computation of normative working capital and Interest on working capital, the components of working capital are as follows:

- (a) Operation and maintenance expenses for one month; plus
- (b) Maintenance spares at one (1) percent 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;

Interest is required to be calculated at a rate equal to the State Bank Advance Rate (SBAR) as on 1st April of the financial year in which the Petition is filed.

The P&ED Mizoram has projected the Interest on Working Capital as nil after follows the same methodology approved in the Tariff order dated 24.03.2025 for the FY 2025-26 to approved the Transmission Tariff.

The Interest on working capital approved by Hon'ble Commission & proposed by the P&ED Mizoram is given in the table below:

Table 11.13: interest on Working Capital projected by P & ED for 2026-27

(Rs . Cr)

Sl. No.	Particulars	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	O&M Exp for 1 Month		3.81	3.81
2	Maintenance Spares @1% of historical Cost escalated @6% from COD		4.11	4.11
3	One Month Receivables		3.82	3.82
4	Total		11.74	11.74
5	Rate of Interest		15.15%	15.15%
6	Interest as per Regulation		1.78	1.78
7	Interest for the Year	0.00	0.00	0.00

Commission's Analysis

The Commission **disapproves Interest on Working Capital claimed** for FY2026-27 though projected by P&ED as there are no short-term loans have drawn during the past also to claim this element based on precedence. It will only be considered on having actually availing Short-term loans in future during true-up time. This is the same analogy applicable even to Distribution function also in each year.

11.14 Contribution to Contingency Reserve Fund

Regulation 62.7 of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 provides that the Transmission licensee shall be allowed an annual appropriation of 0.5% of the original cost of fixed assets towards Contingency Reserve. It further provides that the maximum cumulative provision under the Contingency Reserve shall not exceed 5% of original cost of fixed assets. In our current scenario it is very difficult to create this type of funds. So, the P&ED Mizoram has not proposed any contingency reserve fund for the FY 2026-27. The Contribution to Contingency Reserve Fund as approved by the Hon'ble Commission & proposed by the P&ED Mizoram is given in the table below.

Table 11.14: Contribution to Contingency Reserve Fund

Particulars	(Rs . In Crores)		
	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
Opening GFA	207.14	387.35	180.21
Additions During the Year	2.78	0.00	-2.78
Closing GFA	209.92	387.35	177.43
Rate	0.25	0.25	0.00
Total Contribution to Contingency Reserve Fund	0.52	0.00	-0.52

Commission's Analysis

As per the regulation, for the purpose of contribution to contingency Reserve fund, the rate to be adopted is @0.25% on the Opening value of OCFA but not on the average figure. Now any contribution to Contingency Reserve Fund should be based on @ 0.25% instead of 0.5% as proposed by the Licensee.

However, the P&ED expressed its inability to invest the contribution amount so collected in a non-drawl bank account for creation of contingency Reserve in the case of distribution function, hence the same treatment is applied to transmission also. Like in distribution function, any amount approved earlier is withdrawn fully. So is the treatment even here and the values earlier approved under MYT Order were withdrawn and **Nil amount is approved for this cost element for FY 2026-27.**

11.15 Non- Tariff Income**Petitioner's Submission**

Regulation 63 of The Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014 provides that the Non-Tariff income shall be deducted from the ARR in calculating the Tariff. Non-tariff income includes revenue from rent on land and building, statutory investments, interest on delayed payments and other charges. The P&ED Mizoram has not considered Non-Tariff income for computing the ARR of the transmission function for the FY 2026-27.

Commission's Analysis

P & ED is an integrated utility having G-T-D function. As such, non-tariff income so collected is being entirely accounted for under distribution business. The P&ED is conveniently not projecting NTI for this Transmission activity. Thereby, non-tariff income has not been considered for the transmission business by the Commission also for FY 2026-27 for ARR purpose.

11.16 Aggregate Revenue Requirement

Based on the above projections, the ARR for the transmission function of P&ED Mizoram for the FY 2026-27 works out as under:

Table 11.15: Aggregate Revenue Requirement filed by the P&ED

				(Rs. Cr)
Sl. No.	Particulars	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Return on Equity	0.00	0.00	0.00
2	Interest & Finance Charges	0.00	0.00	0.00
3	Depreciation	0.65	0.13	-0.53
4	O&M Expenses	56.56	45.76	-10.80
5	Interest on Working Capital	0.00	0.00	0.00
6	Contribution to Contingency Reserve Fund	0.52	0.00	-0.52
7	Non-Tariff Income	0.00	0.00	0.00
8	Income from Other Business	0.00	0.00	0.00
	Total	57.73	45.89	-11.85

P&ED Mizoram requests the Hon'ble Commission to kindly consider the submission and approve the ARR for the FY 2026-27 in accordance with the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014.

Commission Analysis:**Table 11.16: Transmission ARR approved by Commission for FY2026-27
(Rs. Crores)**

Sl. No.	Particulars	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Commission approved
1	Return on Equity	0.00	0.00	---
2	Interest & Finance Charges	0.00	0.00	---
3	Depreciation	0.52	0.13	0.056
4	O&M Expenses	53.60	45.76	44.750
5	Interest on Working Capital	0.00	0.00	---
6	Contribution to Contingency Reserve Fund	0.41	0.00	---
7	Non-Tariff Income	0.00	0.00	---
8	Income from Other Business	0.00	0.00	---
	Grand Total	54.53	45.89	44.806

11.17 Transmission Charges per Unit**Petitioner's submission**

Based on the above projections, the ARR for the transmission function of P&ED Mizoram for the FY 2026-27 works out as under:

Table 11.17: Transmission Charges for FY 2026-27

Sl. No.	Particulars	Unit	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram
1	Aggregate Revenue Requirement	Rs in Crores	57.73	45.89
2	Total MW allocation	MW	248.14	271.54
3	Total transmitted energy (less: external loss)	MU	732.85	732.60
4	Transmission Charges	Rs /MW/Month	193879.13	140819.41
5	Transmission Charges	Rs /MW/Day	6374.11	4629.68
6	Transmission Tariff	Rs /kWh	0.79	0.63

P&ED Mizoram requests the Hon'ble Commission to kindly consider the submission and approve the Transmission Charges for the FY 2026-27 in accordance with the Joint Electricity Regulatory Commission for Manipur and Mizoram (Multi Year Tariff) Regulations, 2014

Commission's Analysis

The total P&ED License's allocated energy share is 274.38MW and out of it 0.50MWs of Lengpui Diesel set and the State Solar Generation is subtracted to arrive at the 271.53MW capacity to determine the Transmission tariff calculated in the table below by the Commission:

Table 11.18: Transmission charges approved by the Commission for FY 2026-27

Sl. No.	Particulars	Proposed by P&ED Mizoram	Approved for FY26-27 Rs . Crs
1	Net ARR (Crores)	45.89	44.806
2	Total Allocation (MWs)	271.54	271.53
3	Total Energy quantum at State. Periphery (MUs)	732.60	732.60
4	Transmission Charges (Rs. /MW/ month)	140819.41	137510.89
5	Transmission Charges (Rs. /MW /day)	4873.46	4520.906
6	Transmission Tariff (Rs. /kWH)	0.63	0.6116

12 Generation Function ARR for FY 2026-27

12.1 Background

P&ED Mizoram's tariff determination is now governed by "Joint Electricity Regulatory Commission for Manipur & Mizoram (Multi Year Tariff) Regulations, 2014" (referred to as "MYT Regulations, 2014") read with First Amendment Regulations, 2019 which came into force from 09.06.2014. However, Regulation 35.1 of the MYT Regulations, 2014 provide as follows:

"The Regulations specified in this Chapter shall apply for determining the tariff for supply of electricity to a Distribution Licensee from conventional sources of generation and hydro generation stations of capacity more than 25 MW:

Provided that determination of tariff for supply of electricity to a Distribution Licensee from Renewable Energy sources of generation shall be in accordance with terms and conditions as stipulated in the relevant Regulations/Orders of the Commission."

The Joint Electricity Regulatory Commission for Manipur & Mizoram in exercise of powers conferred under Section 61 read with Section 181 (2) of the Electricity Act, 2003 (36 of 2003), and all other powers enabling it in this behalf, issued Joint Electricity Regulatory Commission for Manipur & Mizoram (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2010 vide notification dated 31.05.2010. Subsequently the Regulation was amended to incorporate certain changes and notified as the Joint Electricity Regulatory Commission for Manipur & Mizoram (Terms and Conditions for Tariff Determination from Renewable Energy Sources) (First Amendment) Regulations, 2014.

Regulation 3 of the above regulations provides as follows:

"These regulations shall apply in all cases where tariff, for a generating station or a unit thereof based on renewable sources of energy, is to be determined by the Commission under Section 62 read with Section 86 of the Act.

Provided that in cases of wind, small hydro projects, biomass power, non-fossil fuel-based cogeneration projects, solar PV and solar thermal power projects,

these regulations shall apply subject to the fulfilment of eligibility criteria specified in regulation 4 of these Regulations.”

Further, regulation 4(2) provides that these regulations shall apply to the Small Hydro Project with installed capacity lower than or equal to defining the eligibility criteria for applicability of the Renewable Energy sources regulations 25 MW. The extract of the regulation is reproduced below:

“Small hydro project – located at the sites approved by State Nodal Agency/ State Government using new plant and machinery, and installed power plant capacity to be lower than or equal to 25 MW at single location”.

The Power & Electricity Department, Government of Mizoram owns 12 Small Hydro Projects with installed capacity below 25 MW. Accordingly, the P&ED Mizoram has submitted the proposal for determination of tariff as per The Joint Electricity Regulatory Commission for Manipur & Mizoram (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2010 read along with First Amendments Regulations, 2014.

12.2 Generation Charges for FY 2026-27

P&ED Mizoram hereby submits its petition for approval of Generation Charges for the FY 2026-27. This petition is being submitted in compliance with the provisions of Renewable Energy Sources Tariff Regulations, 2010 and its subsequent amendments. The petitioner has attempted to comply with the various guidelines in the Act and regulations within the limitations of availability of data.

P&ED Mizoram is filing the petition based on the past performance and expected changes in each element of cost and revenue for the ensuing year. P&ED Mizoram has studied the past trends and taken cognizance of other internal and external developments to estimate the likely performance during the FY 2026-27.

12.3 Aggregate Revenue Requirement for FY 2026-27

This section outlines the Aggregate Revenue Requirement of the P&ED Mizoram for the FY 2026-27, which takes into consideration:

- a) Actual Performance in FY 2024-25;

- b) Estimated Performance for FY 2025-26 based on the Actual performance for the period 01.04.2025 to 30.09.2025;
- c) Projection based on the Actual performance in FY 2024-25 and estimated performance in FY 2025-26;
- d) Principles / Normative Parameters outlined in Tariff Regulations of JERC (M&M).

Past trends have been taken into cognizance in case of certain elements as deemed necessary. The petition has been structured in the following manner:

SHP details

- Installed capacity & COD
- Capital Cost
- Design Energy

Proposed Capital Expenditure and capitalization

- Scheme wise details
- Capital Expenditure
- Asset Capitalisation

Determination of the Aggregate Revenue Requirement

- Loan & Finance Charges
- Depreciation
- Return on Equity
- Interest on Working Capital
- Operation and Maintenance Expenses

12.4 Details of SHPS (Small Hydro Power Stations)

Details of Own SHPS are provided in the table below.

Table 12.1: Details of Small Hydro Power Station considered by P & ED

Sl. No.	Name of Station	Installed Capacity (MW)	Date of COD
1	Serlui- 'A'	1.00	24.04.1984
2	Tuirivang	0.30	14.08.1989
3	Khawiva	1.05	08.12.1988
4	Tuipui	0.50	15.12.1991
5	Teirei	3.00	12.10.1999
6	Kau-Tlabung	3.00	05.05.2005
7	Maicham-I	2.00	05.01.1996
8	Tuipanglui	3.00	17.12.2004
9	Lamsial	0.50	26.08.2008
10	Maicham-II	3.00	11.11.2009
11	Tlawva (New)	5.00	13.05.2022

Sl. No.	Name of Station	Installed Capacity (MW)	Date of COD
12	Kawlberm (New)	4.00	15.12.2022
12	Serlui- 'B'	12.00	Not yet Commissioned
	Grand Total	38.35	

In this regard it is submitted that since the Serlui 'B' SHP has not been commissioned till date the same has not been considered for the calculation of Capital cost, ARR & Generation Tariff thereof in accordance with The Joint Electricity Regulatory Commission for Manipur & Mizoram (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2010 read along with First Amendments Regulations, 2014.

However, the SHP is generating infirm power and the same is being injected in the state grid. The rate at which the energy supplied by the SHP is to be considered while arriving at the total cost of generation has been dealt with separately in the subsequent section of this submission.

Further, it is submitted that P&ED Mizoram is not operating **the Khawiva SHP, Tuipui SHP, Teirei SHP & Kau Tlabung SHP** and these SHPs except Teirei SHP have been operated and managed by M/s Amazon Engineering Pvt. Ltd. and, Teirei SHP is operated and managed by M/s Assam Petroleum Ltd.

However, P&ED MIZORAM has procured the energy generated from the above SHPs and has incorporated the same in the own generation for the year.

12.5 Capital Cost

Regulation 28 of the JERC for Manipur & Mizoram (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2010 provides that the capital cost of Small Hydro Projects shall be determined as per the normative parameters defined in the regulation. The extract of the regulation is reproduced below:

- (1) The normative capital cost for small hydro projects during first year of Control Period (FY 2012-13) shall be as follows:

Table 12.2: Normative Capital Cost

Sl. No	Project Size	Capital Cost (Rs. in Lakh /MW)
1	Below 5 MW	770
2	5 MW to 25 MW	700

- (2) The capital cost for subsequent years shall be determined on the basis of indexation formula as outlined under Regulation 29.

Further, regulation 29 provides the Capital Cost Indexation Mechanism. The provisions of the regulation are reproduced below:

The following indexation mechanism shall be applicable in case of small hydro power projects for adjustments in capital cost over the Control Period with the changes in Wholesale Price Index for **Steel and Electrical Machinery**.

$$CC(n) = P\&M(n) * (1+F1+F2+F3)$$

$$P\&M(n) = P\&M(0) * (1+d(n))$$

$$d(n) = [a * \{(SI(n-1)/SI(0)) - 1\} + b * \{(EI(n-1)/EI(0)) - 1\}] / (a+b)$$

Table 12.3: Base Capital cost

Small hydro Project	Base Capital Cost (Rs. Lakh/MW)	Factor (1+F1+F2+F3)	P&M (0) (Rs. Lakh/MW)
SHP (<5MW)	770	1.40	550
SHP (5 - 25 MW)	700	1.40	500

Where,

CC(n) = Capital Cost for nth year

P&M(n) = Plant and Machinery Cost for nth year

P&M(0) = Plant and Machinery Cost for the base year

Note: - **P&M(0)** is to be computed by dividing the base capital cost (for the first year of the control period) by (1+F1+F2+F3) i.e.

d(n) = Capital Cost escalation factor for year (n) of Control Period

SI(n-1) = Average WPI Steel Index prevalent for calendar year (n-1) of the Control Period

SI(0) = Average WPI Steel Index prevalent for calendar year (0) at the beginning of the Control Period **i.e. April,2011 to December March,2012**

EI(n-1) = Average WPI Electrical Machinery Index prevalent for calendar year (n-1) of the Control Period.

EI(0) = Average WPI Electrical and Machinery Index prevalent for calendar year at the beginning of the Control Period **i.e. April,2011 to March,2012**

a = Constant to be determined by Commission from time to time, (In default it is 0.6), for weightage to **Steel Index**.

b = Constant to be determined by Commission from time to time, (In default it is 0.4), for weightage to **Electrical Machinery Index**.

F1 = Factor for Land and Civil Work (0.16)

F2 = Factor for Erection and commissioning (0.10)

F3 = Factor for IDC and Financing Cost (0.14)

Capital Cost of the SHPS has been calculated in accordance with the above defined norms and mechanism. The calculation of index capital cost is detailed below.

Table 12.4: Indexed Capital Cost

Sl. No.	Factors	Reference Year	Value
i	d(n)	2025-26	
ii	SI(n-1)	2024-25	136.40
iii	SI(0)	2011-12	100.00
iv	EI (n-1)	2024-25	133.70
v	EI (0)	2011-12	100.00
vi	a		0.60
vii	b		0.40
viii	F1+F2+F3		0.40
ix	P&M(0)	<5 MWs	550.00
X	P&M(0)	5MW to 25 MWs	500.00

For <5 MW Category

$$\begin{aligned}
 d(n) &= [a \cdot \{(SI(n-1)/SI(0))-1\} + b \cdot \{(EI(n-1)/EI(0))-1\}] / (a+b) \\
 &= [0.6 \cdot \{(137.00/100.00)-1\} + 0.40 \cdot \{(131.40/100.00)-1\}] / (0.60+0.40) \\
 &= \mathbf{0.353}
 \end{aligned}$$

$$\begin{aligned}
 P\&M(n) &= P\&M(0) \cdot \{1+d(n)\} \\
 &= 550 \{1+ 0.353\} \\
 &= \mathbf{676.60}
 \end{aligned}$$

$$\begin{aligned}
 CC(n) &= P\&M(n) \cdot (1+F1+F2+F3) \\
 &= 676.60 (1+0.40) \\
 &= \mathbf{947.24}
 \end{aligned}$$

Therefore, the indexed cost of project per MW is **Rs . 1041.96 Lakhs** for project belongs to <5MW category & Rs.947.24 Lakhs for projects belongs to 5 and up to

25 MW category. The indexed capital costs of the 11 SHPs is calculated accordingly in the table below.

Table 12.5: Capital Cost projected by P & ED for SHPS
(Rs . Crs)

Sl. No.	Name of Station	Installed Capacity (MW)	Capital Cost (@Rs .1041.96/947.24 Lakhs/MW)
1	Serlui 'A'	1.00	10.42
2	Tuirivang	0.30	3.13
3	Khawiva	1.05	10.94
4	Tuipui	0.50	5.21
5	Maicham-I	2.00	20.84
6	Teirei	3.00	31.26
7	Tuipanglui	3.00	31.26
8	Kau-Tlabung	3.00	31.26
9	Lamsial	0.50	5.21
10	Maicham-II	3.00	31.26
11	Tlawva	5.00	47.36
12	Kawlbem	4.00	41.68
	Grand Total	26.35	269.83

Commission's Analysis

After having carefully observed, leaving aside the three (3) plants leased to **M/s. Amazon Engineering PVT Ltd** and the Teirei-3MWs SHP now stated to have leased out to by **M/s. Assam Petroleum Ltd**, the effective remaining SHPs in operation are the following tabulated plants with installed capacity of 26MWs only but not the grand figure 38.35MWs as because there are some old plants with installed capacity of 4.80MWs are not generating any power.

The following table clearly depict the power station now in effective operation.

Sl. No.	SHP Name	Inst. Cap (MWs)	COD Date	Present Plant Status
A - SHP Power Plants not Generating Power				
1.	Serlui-A SHP	1.00	24.04.1984	Out of Commission
2.	Tuirivang SHP	0.30	14.08.1989	---- do ----
3.	Tuipanglui SHP	3.00	17.12.2004	No generation
4.	Lamsial SHP	0.50	26.08.2008	---- do ----
5.	Lengpui (diesel)	0.50	No data	Out of Commission
	Subtotal (A)	5.30	Nil Energy	
B – Effective Power producing Small Hydro Plants (SHP)				
5.	Maicham-I	2.00	05.01.1996	Generating power
6.	Maicham-II	3.00	11.11.2009	-- do --
7.	Tlawva	5.00	13.05.2022	---- do ----
8.	Kawlbem	4.00	15.12.2022	---- do ----

Sl. No.	SHP Name	Inst. Cap (MWs)	COD Date	Present Plant Status
9.	Serlui-B	12.00	Awaiting COD	Infirm power
	Subtotal (B)	26.00	Power is being Generated	
C - SHPs managed by outside Agencies				Name of Pvt Agency
10.	Khawiva SHP	1.05	08.12.1988	Amazon Engg.
11.	Tuipui SHP	0.50	15.12.1991	-- do --
12.	Kau Tlabung SHP	3.00	05.05.2005	-- do --
13.	Teirei SHP	3.00	12.10.1999	Assam Petroleum
	Subtotal (C)	7.55		
Grand Installed Capacity		38.85	Installed Capacity shown in ARR	

Thus, Commission felt relevant to considers Capital costs of the remaining effective four Hydro stations (includes omitted new plant Kawlberm) which are in operation and the Serlui-B (12MWs) generating in-firm power so detailed at the same level it was approved in MYT Tariff Order. However, the effective SHP plants were already considered in the MYT Tariff barring the newly commissioned Kawlberm-4MW SHP plant which will be taken into tariff calculation now which was omitted last year and the details are Tabulated below.

Table 12.6: Capital Cost approved by the Commission for FY 2026-27

(Rs . Crs)

Sl. No.	Name of Station	Installed Capacity (MW)	Capital Cost (@Rs .1041.96/947.24 Lakhs/MW)
1	Maicham-I	2.00	20.84
2	Maicham-II	3.00	31.26
3	Tlawva	5.00	47.36
4	Kawlberm	4.00	41.68
	Grand Total	14.00	141.14

For the SHPs managed by Outside agencies, the P&ED is paying the maintenance charges to them which will be treated as O&M expenses for those plants and no need for Capital cost derivation. In the case of those SHP plants out of commission will be ignored from the ARR of Generation function cost is a reasonable approach.

12.6 Determination of Annual Revenue Requirement

12.6.1 Loan and Finance Charges

Loan has not been availed by the P&ED, therefore interest on Loan and Finance charges has been considered as Nil for calculating of the AFC.

Commission Analysis:

The interest & finance charges on account of avilment of Long-term Loans for construction of projects **was not considered for in this tariff calculation** as the Licensee had categorically stated about non-availing of any outside loan for the above projects.

12.6.2 Depreciation**Petitioner's Submission**

Depreciation has been calculated in accordance with the regulation 15 of the JERC for Manipur & Mizoram (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2010 along with amendments & further on the basis of Tariff Order issued dated 24.03.2025. The Depreciation as approved by the Hon'ble Commission & proposed by the P&ED Mizoram is given in the table below.

Table 12.7: Calculation of Depreciation for MYT period projected by P&ED, Mizoram (Rs. Crs)

Sl. No.	Name of Station	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Serlui 'A'	0.0000	0.0000	0.0000
2	Tuirivang	0.0000	0.0000	0.0000
3	Khawiva	0.0000	0.0013	0.0013
4	Tuipui	0.0000	0.0006	0.0006
5	Maicham-I	0.0023	0.0024	0.0001
6	Teirei	0.0034	0.0037	0.0003
7	Tuipanglui	0.0034	0.0000	-0.0034
8	Kau-Tlabung	0.0034	0.0037	0.0003
9	Lamsial	0.0006	0.0000	-0.0006
10	Maicham-II	0.0034	0.0037	0.0003
11	Tlawva	0.0229	0.0249	0.0020
12	Kawlhem	0.0000	0.0218	0.0219
13	Total	0.0394	0.0621	0.0227

Commission's Analysis

The depreciation rate as revised in the Regulation for Renewable Energy Sources (first Amendment) regulation 2014 under clause-8 is adopted on the useful life of 35 (thirty-five) year for the Small Hydro Plant indicated in the said Regulation 2014. The details of the depreciation calculation & approved by the Hon'ble Commission is tabulated below year wise for the MYT.

Table 12.8: Calculation of Depreciation by the Commission and approved for 2026-27
(Rs. Cr)

Sl. No.	Name of Station	Date of COD	Capital Cost	No. of Years		Depreciation		
				since COD	Balance Life	Up to 12th yr	from 13th Yr	FY26-27
1	Maicham-I	05.01.96	19.22	31	4	1.21	0.27	0.27
2	Maicham-II	11.11.09	28.83	17	18	1.82	0.41	0.41
3	Tlawva	11.08.22	43.69	4	31	2.76	0.62	2.76
4	Kawlberm	15.12.22	38.44	4	31	2.43	0.54	2.43
Grand Total								5.87

The above depreciation is 5.87Cr is approved towards depreciation for these plants in working condition. Out of which 1% of the above is allowed for this year at .0.059. The plant Serlui-B is still to achieve COD and hence, no depreciation is allowed in the above value.

12.6.3 Return on Equity

Petitioner's submission

The Fixed Assets of P&ED Mizoram are funded through the budgetary support by the Government of Mizoram and Grants and Aids through Financial Institutions under various schemes like RGGVY, APDRP etc. Approximately 90% of the funding is done through the Government funding/Grants. However, in line with the previous orders of the Hon'ble Commission in this regard Return on Equity has not been considered for computing the ARR for the financial year.

Commission's Analysis

Under the circumstances explained in supra by the P&ED, the Commission didn't consider Return on Equity for FY 2026-27. The Commission approves no ROE amount for this year.

12.6.4 Interest on Working Capital

Petitioner's submission

Interest on working capital has been calculated as nil in accordance with the regulation 17 of the JERC for Manipur & Mizoram (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2010 along with amendments & further on the basis of Tariff Order issued dated 24.03.2025. The Interest on working capital as approved by the Hon'ble Commission & proposed by the P&ED Mizoram is given in the table below:

Table 12.9: Interest on Working Capital for 2026-27 projected by P & ED

(Rs. Cr)				
Sl. No.	Name of Station	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Serlui 'A'	0.00	0.00	0.00
2	Tuirivang	0.00	0.00	0.00
3	Khawiva	0.00	0.00	0.00
4	Tuipui	0.00	0.00	0.00
5	Maicham-I	0.00	0.00	0.00
6	Teirei	0.00	0.00	0.00
7	Tuipanglui	0.00	0.00	0.00
8	Kau-Tlabung	0.00	0.00	0.00
9	Lamsial	0.00	0.00	0.00
10	Maicham-II	0.00	0.00	0.00
11	Tlawva	0.00	0.00	0.00
12	Kawlbem	0.00	0.00	0.00
13	Total	0.00	0.00	0.00

Commission's Analysis

As a matter of uniformity in principle in the case of interest on working capital the Commission approves NIL interest on working capital for FY 2026-27 due to non-availing of any kind of short-term loans by the Licensee not even in one occasion and any approval of this item would only burden the consumers unduly. **This amount will be considered upon P&ED substantiate its working capital loan availment in future for consideration by the Commission.**

12.6.5 O & M expenses**Petitioner's Submission**

Operation and Maintenance Expenses has been calculated in accordance with the regulation 18 of the JERC for Manipur & Mizoram (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2010 along with amendments. The Operation and Maintenance Expenses of the SHPs as approved by the Hon'ble Commission & proposed by the P&ED Mizoram is given in the table below:

Table 12.10: Operation and Maintenance Expenses Projected for FY 2026-27**(Rs. Crs)**

Sl. No.	Name of Station	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Serlui 'A'	2.87	0.00	8.11
2	Tuirivang		0.00	
3	Khawiva		0.57	
4	Tuipui		0.27	
5	Maicham-I		1.09	
6	Teirei		1.63	
7	Tuipanglui		0.00	
8	Kau-Tlabung		1.63	
9	Lamsial		0.00	
10	Maicham-II		1.63	
11	Tlawva		1.96	
12	Kawlberm		2.18	
13	Total	2.87	10.98	8.11

Commission Analysis:**Table 12.11: O & M expenses approved by the Commission for FY 2026-27****(Rs. Cr)**

Sl. No.	Name of Station	Capacity (MWs)	O&M Claimed by P&ED	Approved for FY-2026-27
1	Maicham-I	2.00	1.09	1.09
3	Maicham-II	3.00	1.63	1.63
4	Tlawva	5.00	1.96	1.96
5	Kawlberm	4.00	2.18	2.18
		14.00	6.86	6.86

The O&M expenses for each plant are allowed only for the plants now in use and not for those out of commission. The Commission approves the full O&M expenses for these four (4) plants at Rs. 6.86Cr as preferred by the P&ED. But in the Distribution ARR filings, the licensee has adopted the employee cost for the entire sector, stating its difficulty in segregation of these charges each functional wise.

Therefore, the O&M Expenses are to be reduced to some extent in order to avoid the duplication of employee cost already reflected in full under Distribution function. In addition, for meeting the O&M expenses of the stations under Amazon Engineering, the Commission is considering to allow it under O&M expenses to the tune of Rs.1.35Cr instead of allowing it under the power purchase cost.

Therefore, the overall O&M expenses allowed is Rs.8.21Cr (i.e.,6.86+1.35) towards O&M maintenance cost of four stations managed by Amazon Engineering and for other four SHPs managed by P&ED by themselves.

12.6.6 Aggregate Revenue Requirement (ARR)

Petitioner's submission

The ARR of the SHPs has been arrived at based on the components of tariff as detailed in the previous sections. The table below provides the ARR of SHPs.

Table 12.12: Annual Revenue Requirement projected by P&ED for FY 2026-27

(Rs. Cr)

Sl. No.	Name of Station	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Serlui 'A'	5.44	0.00	5.59
2	Tuirivang		0.00	
3	Khawiva		0.57	
4	Tuipui		0.27	
5	Maicham-I		1.09	
6	Teirei		1.64	
7	Tuipanglui		0.00	
8	Kau-Tlabung		1.64	
9	Lamsial		0.00	
10	Maicham-II		1.64	
11	Tlawva		1.99	
12	Kawlbem		2.20	
13	Total	5.44	11.04	5.59

Commission's analysis

The ARR approved for all commissioned the SHP stations excluding the Serlui-B by the Commission is detailed below in the table.

Table 12.13: Annual Revenue Requirement Commission approved for FY2026-27

Sl. No.	Name of Plant	Deprn (Rs.Crs)	O&M Expns Rs.Crs	2026-27 (Rs. Crs)
1	Maicham-I	0.27	1.09	
2	Maicham-II	0.41	1.63	
3	Tlawva	2.76	1.96	
4	Kawlbem	2.43	2.18	
	Grand Total	5.87	6.86	

Sl. No.	Name of Plant	Deprn (Rs.Crs)	O&M Expns Rs.Crs	2026-27 (Rs. Crs)
Allowable ARR for 2026-27		1% of Depr	Derived for Generation	Amount approved
	ARR approved	0.0587	6.86	6.9187

Therefore, Commission approves **Rs.6.9187Crs** (Depreciation & O&M Expenses) as the revised ARR for the above commissioned SHP generating stations at the values indicated above for FY 2026-27 excluding the Serlui-B station related ARR amount for the MYT period. The deduction of O&M Expenses is on account of some portion of O&M expenses were allowed in Distribution & transmission ARR. Hence derived for Generation function separately.

The Station leased out to Amazon Engineering and M/s/Assam Petroleum were not considered in the O&M charges or depreciation of P&ED but it will be separately added to arrive as 1.35Crs provisionally in the ARR amount of generation function at the end and some stations not contributing to energy generating were ignored now in the calculation of ARR for their non-contribution to power generation.

12.6.7 Capacity Utilization factor

Petitioner's submission

Capacity Utilisation Factor has been calculated in accordance with the regulation-30 of the JERC for Manipur & Mizoram (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2010 along with amendments. The extract of the regulation is reproduced below:

“Capacity Utilisation factor for the small hydro projects in Manipur and Mizoram shall be 45%.

Explanation: For the purpose of this Regulation normative CUF is net of free power to the home state if any, and any quantum of free power if committed by the developer over and above the normative CUF shall not be factored into the tariff.”

Whereas, P&ED Mizoram has been proposed the Auxiliary consumption and Net generation based on the Actual performance in FY 2023-24 and estimated performance in FY 2024-25. The details are provided in the table below:

Table 12.14: Total Generation from all commissioned SHP plants

Sl. No.	Name of Station	Installed Capacity (MW)	Generation at 45% CUF	Projected Gross Energy (MU)
1	Serlui 'A'	1.00	3.942	0.00
2	Tuirivang	0.30	1.183	0.00
3	Khawiva	1.05	4.139	1.379
4	Tuipui	0.50	1.971	0.052
5	Maicham-I	2.00	7.884	2.659
6	Teirei	3.00	11.826	0.265
7	Tuipanglui	3.00	11.826	0.000
8	Kau-Tlabung	3.00	11.826	7.289
9	Lamsial	0.50	1.971	0.000
10	Maicham-II	3.00	11.826	0.622
11	Tlawva	5.00	19.710	0.621
12	Kawlbem	4.00	15.768	1.394
	Grand Total	26.35	103.872	14.281

Commission's Analysis

The Commission approved gross generation from the above stations is at 14.281 MU and net generation will be at 14.206MU for FY 2026-27 excluding the first four SHP stations not in use in the above table so projected by P&ED in their submissions. This assumption is made by Commission in the absence of any verifiable concrete information from Licensee. The station wise net energy table is place in the subsequent paras for relevance.

12.6.8 Auxiliary Consumption**Petitioner's submission**

Auxiliary Consumption has been calculated in accordance with the regulation 30 of the JERC for Manipur & Mizoram (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2010 along with amendments. The extract of the regulation is reproduced below:

"Normative auxiliary consumption for the small hydro projects shall be 1.00%"

Whereas, P&ED Mizoram has been proposed the Auxiliary consumption and Net generation based on the Actual performance in FY 2024-25 and estimated performance in FY 2025-26. The details are provided in the table below:

Table 12.15: Normative Auxiliary Consumption projected by P & ED

Sl. No.	Name of Station	Gross Generation (MUs)	Auxiliary Consumption (MUs)	Projected Net Generation (MUs)
1	Serlui 'A'	0.000	0.000	0.000
2	Tuirivang	0.000	0.000	0.000
3	Khawiva	1.379	0.018	1.361
4	Tuipui	0.052	0.001	0.051
5	Maicham-I	2.659	0.003	2.656
6	Teirei	0.265	0.015	0.250
7	Tuipanglui	0.000	0.000	0.000
8	Kau-Tlabung	7.289	0.002	7.287
9	Lamsial	0.000	0.000	0.000
10	Maicham-II	0.622	0.001	0.621
11	Tlawva	0.621	0.014	0.607
12	Kawlbem	1.394	0.021	1.373
	Total	14.281	0.075	14.206

Commission's analysis

The Licensee has not made any realistic projection, but done it on normative basis without any practicality of whether the power station is contributing any energy for consumption. The information is totally not supported by verifiable evidence. Whereas in the net purchase quantum, so projected for FY 2026-27 was shown as 33.586MU from all sources comprising of 38.35MW installed capacity which excludes the Lengpui DG set. **However, the net available energy is identified to be 33.59MU ultimately by the end of FY 2026-27 which excludes 0.02MU from Lengpui diesel set so projected by P&ED in their ARR submission.**

12.6.9 Generation Tariff**Petitioner's submission**

Generation tariff of the SHPs has been calculated on the basis of the ARR and net generation of the SHPs. Tariff per unit for all the SHPs for the FY 2026-27 is provided in the table below:

Table 12.16: Tariff for Generation projected by P & ED

Sl. No.	Name of Station	Net Generation (In Mus)	ARR (Rs in Crores)	Tariff
1	Serlui 'A'	0.000	0.00	0.00
2	Tuirivang	0.000	0.00	0.00
3	Khawiva #	1.361	0.57	4.21
4	Tuipui #	0.051	0.27	
5	Maicham-I	2.656	1.09	4.11
6	Teirei #	0.250	1.64	
7	Tuipanglui	0.000	0.00	
8	Kau-Tlabung #	7.287	1.64	2.25
9	Lamsial	0.000	0.00	
10	Maicham-II	0.621	1.64	
11	Tlawva	0.607	1.99	
12	Kawlbem	1.373	2.20	

Commission's Analysis

As observed from the above P&ED projected Tariff table, the projected ARR claimed in respect of four (4) stations managed by outside agencies is Rs.4.12Cr for an expected net energy of 8.949MU resulting in an average Tariff of Rs. 4.604/Unit. While in the case of four (4) Self-managed Own SHP Plants the total ARR claimed is Rs.6.92Cr for the net energy of 5.257MU is Rs.13.163/unit.

In finalizing the Generation Tariff for each SHP plants which in functioning and actively serving and of those four (4) plants being handled by M/s. Amazon Engg Pvt Ltd and M/s. Assam Petroleum is separately assigned with a lumpsum amount of Rs.1.35Cr now by Commission towards maintenance charges and for the remaining four plants the ARR cost values are assigned individually as approved by the Commission. Tariff for each generating station for the following twelve (12) stations for FY 2026-27 is tabulated below.

Table 12.17: Generation Tariff approved by the Commission for 2026-27

Sl. No.	Name of Station	Net Generation (Mus)	ARR (Rs in Crs)	Tariff (Rs /kWh)
1	Serlui 'A'	0.000	0.00	0.00
2	Tuirivang	0.000	0.00	0.00
3	Tuipanglui	0.008	0.00	0.00
4	Lamsial	0.000	0.00	0.00
5	Khawiva	1.361	1.35	1.508
6	Tuipui	0.051		

Sl. No.	Name of Station	Net Generation (Mus)	ARR (Rs in Crs)	Tariff (Rs /kWh)
7	Kau-Tlabung	7.287	6.9187	13.16
8	Teirei	0.250		
9	Maicham-I	2.656		
10	Maicham-II	0.621		
11	Tlawva	0.607		
12	Kawlberm	1.373	8.2687	5.8205
	Grand Total	14.206		

The average tariff rate payable towards the effective eight (8) plants is arrived at as Rs.5.8205/kWh. In the case of **Serlui-B plant** tariff which is still reeling under some difficulties in achieving the Commercial Operation Date (CoD) is shown separately in the foregoing paras of this chapter of the Order.

12.6.10 TARIFF FOR THE ENERGY SUPPLIED FROM SERLUI 'B' SHP

As submitted in para 4.1 above since the Serlui 'B' SHP has not been commissioned till date the same has not been considered for the calculation of Capital cost, ARR & Generation Tariff thereof in accordance with The Joint Electricity Regulatory Commission for Manipur & Mizoram (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2010 read along with First Amendments Regulations, 2014.

However, the SHP is generating infirm power and the same is being injected in the state grid. The details of energy supplied from the SHP & the rate for the energy charge considered for arriving at the total cost of generation of the generation function is detailed in the subsequent sections.

Petitioner's submission

Energy Generation

The energy generated from the Serlui-'B' SHP is provided in the table below:

Table 12.18: Energy Generation from Serlui 'B':

(In Mus)

Generation details of Serlui -B				
Sl. No.	Name of Station	Approved in T.O dated 28/03/2023	Proposed by P&ED	Deviation
1	Gross Generation		19.91	
2	Auxiliary Consumption		0.53	

Generation details of Serlui -B				
Sl. No.	Name of Station	Approved in T.O dated 28/03/2023	Proposed by P&ED	Deviation
3	Net Generation	6.49	19.38	12.89

Energy Charges

Rate of energy charge has been considered as Rs. 1.06 per unit in accordance with the Hon'ble Commission approved in the Tariff Order dated 28.03.2023. The total energy charge for FY 2026-27 has been provided accordingly. The table below provided the details of energy charges.

Table 12.19: Energy Charges for Serlui 'B'

(Rs. Crores)

Energy Charges for Serlui 'B'				
Sl. No.	Name of Station	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Net Generation	6.49	19.38	12.89
2	Rate	1.06	1.06	0.00
3	Total Energy Charge	0.69	2.05	1.37

Commission analysis:

The energy projected by P&ED from Serlui-B is by adopting 18.94% PLF for station still reeling under restriction for its full-fledged commissioning for various inexplicable reasons from FY 2022-23. The reason for adopting such PLF for this plant and the sudden steep jump in PLF has been explained that they adopted historical actual generation in FY 2022-23 and H1 of FY2023-24 is not convincing to adopt. But however, the net generation as projected is now considered for FY2026-27 on provisional basis for ARR determination.

Accordingly, the energy charges payable will also be at Rs. 2.05 Cr per Annum by adopting the energy unit rate of Rs.1.06/kWh as proposed by the P&ED for the indicated net generation of 19.38MU for this year prior to its full-fledged commissioning.

Energy Charges for Serlui 'B' (Commission approved)				
Sl. No.	Name of Station	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Now approved
1	Net Generation (MU)	6.49	19.38	19.38

Energy Charges for Serlui 'B' (Commission approved)				
Sl. No.	Name of Station	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Now approved
2	Rate (adopted)	1.06	1.06	1.06
3	Total Energy Charge (Rs.Crs)	0.69	2.05	2.05

12.6.11 Aggregate Revenue Requirement (ARR)

Petitioner's submission

Total ARR of the Generation function comprising of the commissioned SHPs and Serlui 'B' SHP which is generating infirm power is detailed in the table below:

Table 12.20: ARR of Generation Function projected by P & ED

(Rs. Cr)

Sl. No.	Name of Project	Approved in T. O. dated 28.03.2023	Proposed by P&ED Mizoram	Deviation
1	Serlui 'A'	5.44	0.00	6.96
2	Tuirivang		0.00	
3	Khawiva		0.57	
4	Tuipui		0.27	
5	Maicham-I		1.09	
6	Teirei		1.64	
7	Tuipanglui		0.00	
8	Kau-Tlabung		1.64	
9	Lamsial		0.00	
10	Maicham-II		1.64	
11	Tlawva		1.99	
12	Kawlbem		2.20	
13	Serlui 'B'	0.69	2.05	
	Total	6.13	13.09	6.96

P&ED Mizoram requests the Hon'ble Commission to kindly consider the submission and approve the ARR for the FY 2026-27.

Commission Analysis:

The ARR now approved for all stations in operation and Serlui 'B' (not yet commissioned) by the Commission is as detailed below:

Table 12.21: Generation Function ARR approved by the Commission for FY 2026-27

(Rs. Crs)

Sl. No.	Name of Project	Approved in T. O. 28.03.23	Proposed by P&ED, Mizoram	Approved by Commission
1	Serlui 'A'	5.44	0.00	Nil

Sl. No.	Name of Project	Approved in T. O. 28.03.23	Proposed by P&ED, Mizoram	Approved by Commission
2	Tuirivang		0.00	
3	Tuipanglui		0.00	
4	Lamsial		0.00	
5	Khawiva		0.57	
6	Tuipui		0.27	1.35
7	Kau-Tlabung		1.64	
8	Teirei		1.64	
9	Maicham-I		1.09	
10	Maicham-II		1.64	6.9187
11	Tlawva		1.99	
12	Kawlberm		2.20	
13	Serlui 'B'	0.69	2.05	2.05
	Total	6.13	13.09	10.3187

Rs.1.35Crs of leasing charges are considered for the four (4) stations leased to M/s. Amazon Engineering and M/s. Assam Petroleum together and accordingly the cost is added in Generation ARR cost, though Licensee has ignored this practical transaction for the above four (4) stations ignoring their projections for each such plants afresh in their own accord. The ARR for Serlui-B station is allowed at the same value as preferred by the P&ED in the above approved table. The approved net generation from all sources excluding the Lengpui diesel Set kept as standby at Lengpui airport premises is **33.586MU** comprises of **14.206MU** from all SHP plants + **19.38MU** from Serlui-B plant awaiting COD. The P&ED had projected about 0.02MU energy from Lengpui diesel set during FY2026-27 under Own generation projection. But, as per the P&ED replies to additional information this Lengpui diesel set energy don't flow into the State Grid and hence ignored for tariff determination purposes.

13 Directives

13.1 General

The Commission has issued certain directives to P&ED in the past Tariff Orders, with an objective of attaining operational efficiency and streamlining the flow of information, which would be beneficial to the sector and the Petitioner, both in the short-term and long-term. The Commission expected that P&ED would take prompt action on the directives and monitor their implementation. However, in some cases, though action has been initiated, but overall seriousness with which the directives were issued by the Commission does not appear to have been realized by the P&ED and the status of compliances is not up to the mark.

As regards all the directives issued by the Commission in the Tariff Order dated March 24, 2025, P&ED has submitted the report to the Commission on compliance. Since, the erstwhile Commission was reconstituted as Mizoram Electricity Regulatory Commission (MZERC) with effect from dt.23.07.2024, hence the MZERC has reviewed the compliance of directives as submitted by P&ED and rearranges them by modifying the existing directive numbering. The status of existing directives with Commission's comment and new directives are as follows:

Directive 1 (Directive 3 in T.O for FY2025-26):

Metering of Consumer installations / Replacement of non- functional defective meters and providing meters to un-metered connections.

Compliance:

The Hon'ble Commission is well aware of that no connections were given with defective meters and all new meters given by the Department are well checked and tested by the Department, mentioned may be made that even though all Public Lightings under AMC may be metered, St. lights under LAD are not metered. The number of defective meters replaced for the FY 2024-25 was 6264 Nos.

Commission's comments

The P&ED should continue to ensure that no service connection be released without correct meter for any electricity consumption. The report in respect of no. of street light installation under AMC and LAD respectively shall be submitted half-yearly to the Commission.

Directive 2 (Directive 4 in T.O for FY2025-26): Transmission and Distribution Losses

The P&ED has projected the transmission and distribution loss at 39.5% (35% Distribution loss + 4.5% Transmission losses) for the year 2010-11.

The P&ED is directed to get Energy Audit conducted by providing meters on all the feeders (132 kV, 66 kV, and 11 kV) and at distribution transformers to identify the high loss areas and take appropriate measures to reduce both technical and commercial losses to the level fixed by the Commission. The P&ED shall also comply with loss reduction trajectory for T&D losses for the next three years.

The investment required to reduce the losses shall be included in the investment plan for augmentation of T&D system be submitted to the Commission. Effective technical and administrative measures shall be taken to reduce the commercial losses. The action plan for energy audit and loss reduction measures shall be furnished to the Commission by June 2011.

Compliance

The Department is constantly trying its level best to reduce AT&C Loss, T&D -Loss etc within the state of Mizoram. As an initiative of reducing such losses the Department carried out performance-based rewards & incentives awarded to high performing Sub Division in reducing AT&C losses and achieving revenue target to motivate good performance. Revenue Drive was carried out in all Sub Divisions during June-July 2025 where energy raids are carried out to identify cases of unauthorized electricity usage and pilferage. Also, under RDSS Scheme consumer pre-paid smart meters are being installed along with ongoing installation of Sub-Station Feeder Meters (398 Nos) and DT Meters (2300 Nos) which will greatly help in identifying high loss areas along with action plan so as to reduced losses in future.

Commission's comments

As per the above status of compliance, the P&ED has been conducting energy audit with consultant of a BEE empanelled firm, i.e. A-Z Energy Engineers Pvt. Ltd. The P&ED also has been taking action since FY2022-23 to reduce T&D and Commercial losses under RDSS by replacing damaged meters and rectifying doubtful meters at transmission and distribution levels. However, it is observed

that the Distribution losses are still in increasing trend even in FY 2023-24 & Fy 2024-25 true-up filing submission at alarming 28.01% and the losses too have gone far higher than the past approved losses many folds with no sign of any improvement achievement. This indicates the glaring lack of control of P&ED on curtailment of Losses. Again, the actual losses are in true-up filing for FY 2024-25 is now at 28.01% while it has to be around 14% loss level as compared to RDSS AT&C loss trajectory level of 14% which may not be unreachable in the near future. The increasing losses indicates prevalence of lots of commercial related losses unnoticed in distribution sector rather than technical losses.

The P&ED is very lacking behind in reducing the T&D losses even now after observing the losses in FY2024-25. P&ED failed to take action to identify the high loss areas from the energy audit and take appropriate measures to reduce both technical and commercial losses in those areas. The P&ED should also take more effort to arrest pilferage and non-billing consumer at different places. Besides, it is advised to precisely indicate the T&D Losses by next year ARR filing submission. The report on how the collection efficiency and AT&C loss level are being planned to improve during the FY2026-27 for various consumers in Mizoram should be submitted latest by 1st July 2026.

Directive 3 (Directive 6 in T.O for FY2025-26): High Employee Cost of the Department

The employee cost projected by the P&ED is on very high side and alarming. P&ED is therefore directed to take measures to control the high employee cost.

Compliance

The Department Operational Co-Ordination Committee (DOCC) had formed a Vision Committee to workout proposal for restructuring of P&E Department into three Strategic Business Units (SBUs), namely Generation, Transmission and Distribution and again formed a Sub Committee under the chairmanship of Chief Engineer (System Operation) to review the proposal submitted by the Vision Committee in pursuance of the Minutes of Meeting held under the Chairmanship of Hon'ble Minister, Power & Electricity Department. The

proposal has been prepared in alignment with the Electricity Act, 2003 with the recommendations of Administrative Staff College of India (ASCI), Hyderabad. The final proposed restructuring plan was sent to Government on Dt.02.09.2025 vide letter no. A.11013/19/2020-EC(P&E)/166 and a reply is still awaited.

Commission's comments

For controlling the high employee cost expenditure, the reply of referring the Restructuring report is not relevant and reply is very inappropriate. The cost incurred on various items such as salaries, D.A, Other allowance, Bonus, Medical expenses, leave travel assistant, payment of workmen's compensation issues needs to be closely observed and try to bring reduction in unnecessary/unfruitful expenses is what expected by the Commission.

The P&ED should note that the approval of the Commission is necessary for examination of the additional recruitment cost to be reflected in ARR. Otherwise, the entire cost proposal in ARR will be disallowed in toto in the forthcoming in the next tariff determination onwards

Directive 4 (Directive 7 in T.O for FY2025-26): Restructuring of Staff

P&ED has stated that the number of employees as on 31st March, 2012 is 4575. It is very high. The Department however, has pleaded shortage of staff for poor performance. The Commission has observed that deployment of the existing staff is not rational. P&ED is directed to prepare a restructuring plan by 31st December, 2014 and submit a report.

Compliance

The Department Operational Co-Ordination Committee (DOCC) had formed a Vision Committee to workout proposal for restructuring of P&E Department into three Strategic Business Units (SBUs), namely Generation, Transmission and Distribution and again formed a Sub Committee under the chairmanship of Chief Engineer (System Operation) to review the proposal submitted by the Vision Committee in pursuance of the Minutes of Meeting held under the Chairmanship of Hon'ble Minister, Power & Electricity Department. The proposal has been prepared in alignment with the Electricity Act, 2003 with the recommendations of Administrative Staff College of India (ASCI), Hyderabad. The final proposed restructuring plan was sent to Government on Dt.02.09.2025 vide letter no.

A.11013/19/2020-EC(P&E)/166 and a reply is still awaited. Unless and until Restructuring of Department is initiated it is not possible submit a report on restructuring of staff.

Commission's comments

The pointed issue is that P&ED shall provide the functional wise employees & staff utilisation in the organisation. The progress intimated by addressing the State Government is a desirable change noticed by Commission in this matter.

The proposed restructuring plan along with the decision of the Government in this matter is still awaited by the Commission despite giving the directive in the last year also.

Directive 5 (Directive 9 in T.O for FY2025-26): Segregation of expenses among generation, transmission and distribution.

From annual accounts of FY 2015-16 onwards all expenses such as employee cost, R&M expenses and Administration & General expenses and interest charges and depreciation shall be segregated among the **three functions**, viz. generation, transmission and Distribution.

Compliance

The Department Operational Co-Ordination Committee (DOCC) had formed a Vision Committee to workout proposal for restructuring of P&E Department into three Strategic Business Units (SBUs), namely Generation, Transmission and Distribution and again formed a Sub Committee under the chairmanship of Chief Engineer (System Operation) to review the proposal submitted by the Vision Committee in pursuance of the Minutes of Meeting held under the Chairmanship of Hon'ble Minister, Power & Electricity Department. The proposal has been prepared in alignment with the Electricity Act, 2003 with the recommendations of Administrative Staff College of India (ASCI), Hyderabad. The final proposed restructuring plan was sent to Government on Dt.02.09.2025 vide letter no. A.11013/19/2020-EC(P&E)/166 and a reply is still awaited. Unless and until Restructuring of Department is initiated it is not possible segregate expenses among Generation, Transmission & Distribution.

Commission's comment

The P&ED should pursue to achieve function-wise segregation of accounts and expenditure vigorously and assiduously. The progress achieved on quarterly basis shall be communicated to the Commission during the FY 2026-27 without fail.

Directive 6 (Directive 11 in T.O for FY2025-26): Pre-Paid meters and Smart meters

The P&ED is directed to examine the feasibility of installation of pre-paid

meters/smart meters in a phased manner so as to improve revenue collection and reduce leakages in power consumption which will cause reduction in distribution losses.

Compliance:

It may be mentioned that the Sanctioned amount of Smart meters is 289383 Nos and the number of installed meters as on 8th January 2025 is 26765 Nos and the ongoing (to be installed) is 262618 Nos. A copy of contract awarding letter to the M/s Satnam Global infra-Ltd is hereby appended.

Commission's Comments

As above it is noted that Smart metering installation has been undertaken under RDSS. The progressive reply in this matter is appreciated. However, the actual progress achieved with number of consumers installed with smart meters had not been submitted to the Commission quarterly during the FY2025-26 despite directed to submit in each quarter. Besides, **the copy of the contract awarding letter to the M/s Satnam Global infra-Ltd had not been provided to Commission for record. The same may be arranged to be sent to Commission within the month of April 2026.**

Directive 7 (Directive 12 in T.O for FY2025-26): P&ED has to request State Government to allocate head of account for Generation, Transmission & Distribution

P&ED should request the State Govt. to allocate different heads of account for (i) Generation, (ii) Transmission and (iii) Distribution. Projection /Estimated expenditure should be classified accordingly or segregate the accounts by Department itself. Audited figure should also be in line with the allocated heads of account.

Compliance:

The Department Operational Co-Ordination Committee (DOCC) had formed a Vision Committee to workout proposal for restructuring of P&E Department into three Strategic Business Units (SBUs), namely Generation, Transmission and Distribution and again formed a Sub Committee under the chairmanship of Chief Engineer (System Operation) to review the proposal submitted by the Vision Committee in pursuance of the Minutes of Meeting held under the

Chairmanship of Hon'ble Minister, Power & Electricity Department. The proposal has been prepared in alignment with the Electricity Act, 2003 with the recommendations of Administrative Staff College of India (ASCI), Hyderabad. The final proposed restructuring plan was sent to Government on Dt.02.09.2025 vide letter no. A.11013/19/2020-EC(P&E)/166 and a reply is still awaited. Unless and until Restructuring of Department is initiated it is not possible to allocate head of account for Generation, Transmission & Distribution

Commission's Comments

The P&ED should continue to take up & discuss this matter with Finance Department of the State Government until it allocates individual accounts heads for each function-wise separately. The Copy of the letter addressed to Government should be submitted to the Commission for record within the month of April 2026.

Directive 8 (Directive 19 in T.O for FY 2025-26): Functional wise submission of ARR with relevant Appendix prescribed.

From FY 2023-24 onwards, the licensee shall file ARR submission for it each functional separately with corresponding Appendix and annexures strictly as per the MYT Regulation guidelines without seeking any exemption for its compliance.

Compliance:

The Department Operational Co-Ordination Committee (DOCC) had formed a Vision Committee to workout proposal for restructuring of P&E Department into three Strategic Business Units (SBUs), namely Generation, Transmission and Distribution and again formed a Sub Committee under the chairmanship of Chief Engineer (System Operation) to review the proposal submitted by the Vision Committee in pursuance of the Minutes of Meeting held under the Chairmanship of Hon'ble Minister, Power & Electricity Department. The proposal has been prepared in alignment with the Electricity Act, 2003 with the recommendations of Administrative Staff College of India (ASCI), Hyderabad. The final proposed restructuring plan was sent to Government on Dt.02.09.2025 vide letter no. A.11013/19/2020-EC(P&E)/166 and a reply is still awaited. Unless and until Restructuring of Department is initiated it is not possible for ARR submission for it each functional with corresponding Appendix and annexures strictly as per the MYT Regulation guidelines.

Commission Comments:

The latest submission is a routine submission with same old excuses as made in the past and no new actual details of function wise ARR is indicated. It is not treated as complied with and it is still in force.

Directive 9 (Directive 20 in T.O for FY 2025-26): Submission of Non-domestic, Commercial and LT Industrial categories with no unit slabs from FY2023-24.

There shall not be any multiple slabs in the case of Non-domestic, Commercial and LT Industrial consumer Categories and submit with single slab of usage.

Compliance:

As P&ED is directly under the Government of Mizoram and in line with the existing policy of the Government of Mizoram, proposal for introduction of single slab in the tariff structure is not proposed by P&ED.

Commission Comments:

Non-submission of single slab for Non-public Profit purpose categories was insisted upon by the Commission but still P&ED have submitted with more than one slabs in the submission made in FY 2026-27. Hence, the directive is not complied by P&ED.

Directive 10 (Directive No.1 under new Directives in T.O 2025-26): Consumer services related issues

The service lines, transformers and associated equipment need proper maintenance by the Petitioner for smooth and continuous power supply to the consumers. The Commission, therefore, directs P&ED to pay special attention for meeting the Standards of Performance (SoP) parameters as specified in existing regulations and amendments thereof and compensation paid to consumers for default in complying with SoP.

The Ministry of Power, Government of India has issued the Electricity (Rights of Consumers) Amendment Rules, 2024 and other notification, where timelines for new connection in urban and rural areas; pre-specified connection charges up to 150 kW and issuance of simplified bills in regional languages for ease of understanding have been mentioned. The Commission has taken up the task to

include these changes in the Electricity Supply Code Regulations. However, this would take some time and therefore, P&ED is directed to comply with the Electricity (Rights of Consumers) Amendment Rules, 2024 with regard to alignment of timelines as specified in the Rules for the benefit of the consumers.

Compliance:

The Department is currently and constantly trying to adhere to Electricity (Rights of Consumers) Amendment Rules, 2024 and comply with the timelines and instructions laid out in the rules and timelines for new service connections are mostly maintained. Further, the Department had issued simplified bills in regional languages for ease of understanding which can be easily downloaded for all consumers in PEDM consumer Application from August 2025 and pre-specified connection charges up to and above 150kW are prepared and circulated on 4th September vide No.T-26015/02/2024-EC(P)/Com/15 Dt 04.09.2025 and the procedure in which approval of new service connection done by Division Office have been amended to Sub Division Office to reduce time taken for approval of service connection.

Commission Comment:

The Department should always pay attention for meeting the standard of performance parameters as specified in the relevant Regulations. SoP (Standards of Performance) achievement report shall be submitted quarterly.

Directive 11(Directive No.2 under new Directives in T.O 2025-26): Reduction in Distribution Loss

Distribution loss is a critical factor, which critically affects the cost of supply of electricity as well as the financial health of a Distribution Licensee. P&ED should identify one Division in each Circle where the Distribution Loss inclusive of commercial is the highest and submit a detailed Action Plan for reduction of the same within 3 months from the issue of this order.

Compliance:

The Département is fully aware of the Distribution losses and Commercial losses and identified each Division in all Circles where such losses are highest and issued

Circular vide No.T-24012/01/22-EC(P)/Com/22 Dt 06.06.2025 to carry out Revenue Drive in all Sub Divisions during June-July 2025 which was successfully carried out by all Sub Divisions and all Sub Divisions were further instructed to continue the Revenue Drive in their respective Sub Division. Further, to reduce technical losses the following works are being carried out under RDSS Scheme in Aizawl Power Circle:

- 1) Reconductoring of 4.24 CKM 11kV Line
 - 2) Construction of 115.34 CKM 11kV New Line
 - 3) Reconductoring of 23 CKM LT Line
- Construction of 575.24 CKM New LT Line

Commission Comment:

The circular mentioned above may be submitted to the Commission for overseeing the instructions passed on to the division/sub-divisions. When the P&ED had clearly identified the loss-making pockets already, then the progress achieved on arresting the losses and enhancement achieved in the revenue realization may also be intimated with amounts and figure for Commission's record latest by 1st June 2026.

Directive 12: Administrative and General Expenses

It is observed in the Administrative & General expenses from the audited proforma accounts of FY 2024-25 that huge amount of Rs.3.0028Cr was spent under miscellaneous expenditure in one year's time. The Commission felt that the claim appears to be an abnormal item and without having any year wise provision in the respective annual accounts so that the liability would have been spread over number of years instead of in one year itself. In future years any such amounts payable under this head of account shall have to be minimize to a reasonable/acceptable level and P&ED shall adopt utmost care to curtail the happening of many accidents and deaths on account power supply faults and poor maintenance of lines, electrical infrastructures and Sub-stations leading to such occurrences frequently to consumers (the users of power supply). In future under no circumstances such huge amount will be allowed to be passed on to the consumers in a hidden manner (now adopted) by concealing the big amount merged in Miscellaneous expenses and disallowance will be adopted if proper detailed explanation is not rendered. **The same may be noted by P&ED from FY2026-27 onwards.**

Directives-13: Wheeling Charges arrival methodology:

While arriving at the wheeling charges for FY2026-27 units sold were considered in the ARR submission, instead of adopting the energy input quantum at distribution periphery. The relevant **Electricity Rules** has already been clearly and conspicuously indicated in FY2024-25 & FY2025-26 Tariff Orders under the Wheeling charges chapter for licensee's reference. This kind of omission & ignorance of enshrined rules shall not be reoccurred in future submissions by P&ED.

New Directives-14: Huge Advertisement expenses noticed in FY2024-25

The P&ED had not provided any verifiable expenditure break-up details for the spent amount of Rs.18.67Lakhs towards advertisements during FY2024-25. While the expenditure for this head was only Rs.7.94 lakhs in previous year 2023-24. This kind of abnormal spending shall always be supported by break-up with suitable explanation and also the compelling reasons/circumstances leading to such expenditure spent need be submitted in detail in future for allowing in the true-up in the future scrupulously. However, the allowing this time by commission can't be taken as precedence under any circumstances in future.

TARIFF SCHEDULE

APPENDIX**TARIFF SCHEDULE****1. General Conditions of Supply (For all categories of Consumers):****1.1 Rebate/Surcharge for availing supply at voltage higher/lower than base voltage:**

In spite of feasibility/availability to given supply at the specified voltage for the corresponding load as stipulated in clause-3.2 of the JERC for Manipur and Mizoram (Electricity Supply Code) Regulations, 2013 adopted by MZERC (with up-to-date amendments.) adopted by MZERC.

- (i) For consumers having contracted load up to 50 kW only, but the supply is given at higher voltage (HT/EHT level), then a rebate of 5% would be admissible on the energy and fixed charges applicable to that class of consumer for such period, he/she is so availing the supply at that voltage level.
- (ii) For consumers having contracted load above 50 kW, but the consumer desires to draw supply at a voltage lower than that of base voltage he/she is eligible avail for corresponding load as per clause of supply code mentioned above, the consumer shall be required to pay additionally an extra charge of 10% on the bill amount (Energy charge & Fixed charge) calculated at the applicable voltage category tariff to which he/she should have normally availed.
- (iii) All voltages mentioned above are normally available rated voltages as per clause 3.2 of the Electricity Supply Code Regulations, 2013, with up to date amendments.

1.2 Payment: All payments shall be made by way of Cash/Banker's Cheque/by Demand Draft/through Money Order/E- transfer on line. While in the case of cash payments (the cash amount limit will be determined and notified by the Licensee in advance suiting his convenience).

1.3. Validity of existing Recharge Voucher: In the case of a consumer with prepaid meter supply having purchased recharge voucher prior to the effective date of new tariff, the existing voucher shall be continued until such time the recharged voucher amount is fully exhausted without levying any extra charge to such

consumer. Therefore, as far as possible the Licensee shall issue recharge voucher(s) cautiously in such a way that the voucher validity period doesn't exceed the number of days beyond the effective date from which new tariffs comes into force.

1.4. Due date: In case monthly bill is being paid by cheques mode it shall be issued **three (3) days** in advance from the normal due date specified for that bill. While, in the case of payment through online bank transfer/credit card, it shall be **one (1) day** in advance from the normal due date specified for that bill. The licensee shall ensure that the bill is delivered to the consumer by hand/post/courier at **least ten (10) days** prior to the payment due date of the bill. (Clause 6.1 & 6.5) of the Electricity Supply Code Regulations, 2013 with up-to-date amendments).

1.5. Surcharge for late payment of bills: If payment is not received within the stipulated due date, a surcharge @ **two percent (2%) per month** (at simple interest) will be levied upon the outstanding principal amount for the actual number of days of delay occurred for every successive period of thirty (30) days or part thereof or until such period of time the due amount is left unpaid in full.

1.6. Single Point Delivery: This tariff is based on the supply being given through a single point of delivery and metering at one voltage level. If Supply is also availed by the same consumer from another point at other/different voltage level, then such consumption shall be metered separately and be billed accordingly treating it as a separate connection.

1.7. Voltage and frequency: All voltages and frequency shall be as per the provisions of clause 3.1 and 3.2 of the Electricity Supply Code Regulations, 2013 (with all latest amendments made).

1.8. Power Factor Incentive / Surcharge: -

- a) If the average monthly power factor of a HT consumer/LT 3Phase consumer /LT Industrial consumer increases above 95%, he shall be paid **an incentive** at the following rate:

Type of Event	Incentive
For each one percent increase by which his average monthly power factor is above 95%, up to unity power factor.	One percent (1%) of the total amount of the bill under the head “ energy charge ”

- b) If the average monthly power factor of the HT consumer/LT 3Phase consumer / LT industrial consumer falls below 90%, he shall pay a **surcharge in addition** to his normal tariff, at the following rate:

Type of Event	Surcharge
For each one percent by which his average monthly power factor falls below 90% up to 85%	One percent (1%) of the total amount of the bill under the head ‘ energy charge ’

- c) If average monthly power factor of the HT consumer/LT 3- phase consumer /LT industrial consumer falls below 85%, he shall pay a **surcharge in addition** to his normal tariff at the following rate:

Type of Event	Surcharge
For each one percent by which his average monthly power factor falls below 85%.	Two percent (2%) of the total amount of the bill under the head ‘energy charge’

- d) If the average monthly power factor of the HT consumer/LT 3Phase consumer /LT industrial consumer falls below 70%, then the Licensee shall have the right to disconnect supply to such consumer’s installation after serving a notice of fifteen (15) days period. Supply may be restored only after steps have been taken to improve the power factor to desired level to the Utilities (licensees) satisfaction. However, this is without prejudice to the right to levying surcharge for such low power factor in the event of supply not being disconnected to such consumer.
- e) For this purpose, the “average monthly power factor” is defined as the ratio of total ‘Kilo Watt hours’ to the total ‘Kilo Volt Ampere hours’ recorded during the month. This ratio will be rounded-off to two-digital figures after decimal point. Figure 5 or above, in the third place after decimal point be rounded-off to the next higher figure to make it to a two-digit figure after the decimal point.
- f) Notwithstanding the above, if the average monthly power factor of a new consumer is found to be less than 90% at any time during the first 6 (six)

months from the date of release of connection, and later on if he maintains the average monthly power factor at level not less than 90% in subsequent three months, then the surcharge so levied in the earlier bill on account of low power factor during the said period, shall be withdrawn and credited in the next month's consumption bill.

1.9. Transformer loss:

The Commission observes that installation of current transformers and energy meters on the High Tension (HT) side of the consumer's transformer is an accepted and established metering practice for HT consumers. The Commission further notes that in the Tariff Order for FY 2025-26, it was specified that metering of HT service connections on the Low Tension (LT) side of the transformer shall not be continued beyond a period of six months from the effective date of the said Tariff Order, i.e. 01.04.2025.

Where LT-side metering continues beyond the stipulated period, billing based on such LT-side metering through current transformer with smart meter or energy meter with MDI facility shall be treated as accepted up to the end of FY 2025-26. **However, from FY 2026-27 onwards, assumed transformer losses shall not be included in the energy consumption, and the consumer shall be billed based on the readings recorded by the smart meter or energy meter with MDI facility.**

The Commission further directs that HT-side metering through current transformer with smart meters or energy meters with MDI facility shall be installed at the earliest, and until such time HT metering is installed and commissioned, billing shall continue on the basis of the available LT-side metering, **without inclusion of transformer losses.**

1.10. Rounding of Contracted Load/billing demand: For the purpose of calculation of fixed/demand charge in the monthly billing, the contracted load/billing demand shall be taken on actual basis as recorded by DISCOM official. Where the contracted load/billing demand found below 0.5 kW/ kVA shall be taken as 0.5 kW/kVA as the case may be. While all contracted load/billing demand recorded above 0.5 kW/kVA

shall be taken as per actual recorded details available in the consumer historical profile data maintained by the Licensee. **The Licensee should update Contracted load/Billing demand as per the provisions of clause-4.108 of Electricity Supply Code Regulations, 2013 (with up-to-date amendments).**

1.11. Mixed Load: - No part of the connection given for any specific purpose under defined category shall not be utilized for a different purpose(s) other than for which such service connection was released which attracts a tariff higher than already released service category. A separate additional connection shall have to be taken invariably for such loads/purpose under different applicable category, failing which the entire consumption (i.e., existing category consumption and additional energy consumed for different purpose) shall be billed in that applicable category corresponding to higher tariff rate for which any part of that service connection is utilised.

1.12. Rounding of Rupees: Each component of bill, such as energy charge, fixed/demand charge, meter rent, surcharge, rebate of any kind, etc, including interest, involving fraction of a rupee should be rounded-off individually to nearest rupee (fraction of 50 paise and above be rounded-off to the next higher rupee and fraction lesser than 50 paise be ignored). In case of non-availability/scarcity of small change of rupees lesser than Rs.10/-, the consumer may be permitted to tender next higher amount divisible by 10 and however the excess amount so tendered by consumer shall be adjusted as credit in the next bill and interest on such excess will not be allowed or paid.

1.13. System of L.T Supply

1.13.1 Low Tension Supply

- i) Alternating Current 50 Hz, single phase 230 Volts up to 8 kW.
- ii) Alternating Current, three phase, 400 Volts, for loads above 8 kW and up to 50 kW subject to the availability of supply. Wherever 3-phase connection is required for load less than or equal to 8 kW, necessary justification shall be provided along with such request for consideration of licensee for extending such supply.

1.13.2. HT Supply: Supply of Electricity to the Consumers at voltage above 400V as per clause-3.2 of Electricity Supply Code Regulations, 2013. with up to date amendment.

1.14. The maximum demand: The maximum demand means the highest load measured in average kVA or kW at the point of supply of a consumer during any consecutive period of 30 (thirty) minutes during the month or the maximum demand recorded by the MDI during the month.

1.15. Billing demand: As defined in Clause 2.3(12) of the Electricity Supply Code Regulations, 2013 with latest amendments. The clause reads as follows:

“Billing Demand means highest of the following: -

(i) The Contract demand, or (ii) the maximum demand indicated by the meter during the billing cycle, or (iii) the connected load sanctioned wherever contract demand has not been provided in the supply agreement.”

1.16. Government Subsidy: Section 65 of E.Act 2003 is hereby reproduced:

“ Provision of subsidy by State Government:- If the State Government requires the grant of any subsidy to any consumer or class of consumers in the tariff determined by the State Commission under section 62, the State Government shall, notwithstanding any direction which may be given under section 108, pay, in advance and in such manner as may be specified, the amount to compensate the person affected by the grant of subsidy in the manner the State Commission may direct, as a condition for the licence or any other person concerned to implement the subsidy provided for by the State Government:

Provided that no such direction of the State Government shall be operative if the payment is not made in accordance with the provisions contained in this section and the tariff fixed by the State Commission shall be applicable from the date of issue of orders by the Commission in this regard.”

Therefore, if the government subsidy is received promptly, the licensee shall

adopt tariff 'A' (Subsidised Tariff) or in the event of non-receipt of said subsidy, the Licensee is at liberty to implement tariff 'B' (Full Cost Tariff i.e., without Subsidy) during the currency of period of its non-receipt.

There could be a situation, where the outstanding monthly subsidy due from Government was released with delay after passage of much time elapsing and thereby consumers are to be billed at full cost tariffs in that relevant month or months during which no subsidy was paid. Later on, if subsidy arrears were released and received by Licensee, the entire excess amount so charged to all consumers on account of full cost tariff adoption shall have to be refunded as deduction by treating such excess amount laying with Licensee **as advance payment** by the licensee **at one time** in the immediate monthly billing cycle where bills are being issued to respective consumers soon after receipt of such subsidy relating to the past month/months. If in case, the excess amount so refundable is exceeds the monthly billing amount to be so adjusted to any consumer/ consumers, then such excess amount left un-refunded may be carried forward and be adjusted in the following monthly bill/bills to be issued to such consumer/ consumers until full refund settlement is made to consumer(s).

1.17. Applicable Taxes or Duties:

The tariff notified above does not include any taxes (including GST) or duties etc., on electrical energy that may be payable at any time in accordance with changes in any Law or Central Government/State Government Rules in force. Such charges, if any, shall be payable in addition to tariff charges by the consumer/user.

Accordingly, applicable GST shall be charged/levied on (i) **Application Fee** for releasing any Service connection (ii) Rental Charges against metering equipment, (iii) Testing Fee for meters/transformers, capacitor etc. and (iv) Labour Charges to be borne by customers for shifting of meters or shifting of service lines.

- 1.18. Contingency:** In case of any inconsistency between provisions of this Tariff schedule and the Electricity Supply Code Regulations 2013 (with up to date amendments) the provision, meaning and contend of the said Supply Code shall only prevails.

A: SUBSIDISED TARIFF**2 LT SUPPLY****2.1 LT Category-1: Kutir-Jyoti Service**

Applicability: Applicable to all household who has been given connection under Kutir-Jyoti Scheme or similar connection under any scheme of the State Government or Central Government for the benefit of poorer section for domestic purpose. If the total consumption in three months exceed 45 kWh, as per existing norms of KJS unless superseded by other new norms, the connection should be converted to LT Category-2 (Domestic).

Permitted Load: Initially starts with one single light point connection which can be extended later on by one or two light points or as per norms specified by the competent authority from time to time.

Rates: (Option-1)

a) Fixed charge	Rs 25.00 per month per Connection	
b) Energy charge (per month)		
i)	First 20 kWh	@ Rs 2.55 per kWh
ii)	All units above 20 kWh	@ Rs 3.55 per kWh

Note-1- if the total consumption of any consecutive three months is more than 45 kWh, the consumer shall be re-categorized/converted under normal domestic category permanently from the very 1st/2nd/3rd month of that consecutive three months. Whenever, total units consumed exceeds the specified limit of 45 kWh from that month instance the bill be served treating the consumer permanently under domestic category. (Clause 4.90 of the erstwhile JERC for Manipur and Mizoram (Electricity Supply Code) Regulations, 2013 with latest amendments may be referred to)

Note-2: Where a Kutir Jyoti /BPL consumer was converted as domestic consumer, the re-categorised/converted consumer shall be required to deposit load security/meter security amount as applicable for a domestic consumer but it should not contravene the provisions of clause 5.9 of the JERC for Manipur and Mizoram (Electricity Supply Code) Regulations, 2013 with latest amendments.

No ToD tariff will be applicable for consumers who opts for Option-1 tariff

Rates: (Option-2- ToD Tariff based)

a) Fixed charge	Rs 25.00 per month per Connection	
b) Energy charge (per month)		
i)	06.00Hrs to 17.00Hrs (Normal)	@ Rs 2.45 per kWh
ii)	17.00Hrs to 22.00Hrs (Peak)	@ Rs 3.10 per kWh
iii)	22.00Hrs to 06.00Hrs (Night/Off-PeK)	@ Rs 1.95 per kWh

Note:- Though TOD Based Tariffs has been introduced under Option-2 its applicability will start when Distribution Licensee put up all necessary arrangements (such as metering, data communication & billing software etc) is put in place.

2.2 LT Category - 2: Domestic Service

Applicability: Applicable for supply of energy exclusively for domestic purposes only in domestic premises. **The Domestic consumer is qualified to be in this category, if dwelling house has attached kitchen/kitchen facility.** This is applicable for each floor for a multi storied building. The Tariff is applicable to supplies for general domestic purposes such as Light, Fans, Heating devices, Television, VCR/VCP, Radio, Refrigerator, Air-conditioner, lift motors and all others appliances only for bona-fide residential used. This tariff is also applicable to Orphanage/recognised charitable Institutions where no fees/rental collection of any kind whatsoever are being charged. *This will not be applicable to institutions conducting commercial activities of any nature.*

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be treated under Option – 1

Rates: (Option-1)

a) Fixed charge		Rs. 50.00 per month per kW of contracted load
b) Energy charge (per month)		
i)	First 100 kWh	@ Rs 4.90 per kWh
ii)	Next 100 kWh	@ Rs 7.10 per kWh
iii)	All units above 200 kWh	@ Rs. 8.20 per kWh

No ToD tariff will be applicable for consumers who opts for Option-1 tariff

Rates: (Option-2- ToD Tariff based)

a) Fixed charge	Rs 50.00 per month per kilowatt (kW)	
b) Energy charge (per month)		
i)	06.00Hrs to 17.00Hrs (Normal)	@ Rs 5.00 per kWh
ii)	17.00Hrs to 22.00Hrs (Peak)	@ Rs 6.35 per kWh
iii)	22.00Hrs to 06.00Hrs (Night/Off-Peak)	@ Rs 3.85 per kWh

Note 1: *Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc) is kept in place.*

Note 2: *If any part of the domestic connection is utilized for any use other than dwelling purpose like commercial, industrial, etc., a separate connection should be taken for such loads under appropriate category, failing which the entire consumption shall be treated as the case may be, in the corresponding category with applicable tariff.*

2.3 LT Category 3: Non-Profit Public Service (Non-Domestic previously)

Applicability: Applicable for supply of energy to all lights, all types of fans, heating devices, Television, VCR/VCP, Radio, Computers, Refrigerator, Air Conditioner, lift motors, water pump and all other electrical appliances **for the purpose of public interest including other small power.** This tariff includes power loads for Non-Profit Public purposes like Government offices/ establishments / institutions and also **where no rental charges are levied** such as offices, hospitals, nursing homes, clinics, dispensaries, health centres, schools, colleges, libraries, research institutes, boarding / lodging houses, government rest houses, tourist lodges, guest house, circuit house, rest houses, Go-downs; Public building/hall, community halls/YMA halls (not for hiring), religious premises such as Churches, Temples, Mosques, Gurudwaras and religious offices.

This category shall include NGO's offices and any other establishment (Not setup for the purpose of undertaking some sort of trading/profit-making). This tariff is also applicable to orphanage/recognized charitable institutions where no fees/rental of any kind whatsoever are charged/levied.

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be treated under Option – 1

Rates: (Option-1)

a) Fixed charge		Rs 60.00 per month per kW of contracted load
b) Energy charge (per month)		
i)	First 150 kWh	@ Rs 7.60 per kWh
ii)	All units above 150 kWh	@ Rs 8.30 per kWh

No ToD tariff will be applicable for consumers who opts for Option-1 tariff

Rates: (Option-2- ToD Tariff based)

a) Fixed charge	Rs 60.00 per month per kW of contracted Load.	
b) Energy charge (per month)		
i)	06.00Hrs to 17.00Hrs (Normal)	@ Rs 6.95 per kWh
ii)	17.00Hrs to 22.00Hrs (Peak)	@ Rs 8.90 per kWh
iii)	22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 5.40 per kWh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place

2.4 LT Category - 4: Commercial Service

Applicability: Applicable for supply of energy to all lights, all types of fans, heating devices, Television, VCR/VCP, Radio, Computers, Refrigerator, Air Conditioner, Lift motors, Water pump and all other appliances for private gains including other small power. This tariff includes power loads for commercial purposes like Semi-government/non-government offices, shops, book stalls / shops, parlours, hospitals, educational institutes, nursing homes, clinics, dispensaries, health centres, restaurants, bars, hotels, clubs, guest houses, rest houses (includes home Stay houses), tourist lodges, picnic spots, resorts, farm/garden houses, clubs, markets, optical houses, stadiums, meeting/conference halls, all types of studios, tea stalls, professional chambers (like Advocates, chartered Accountants, consultants, Doctors, etc.), private trusts, marriage houses, public halls, show rooms, centrally air-conditioning units, commercial establishments, X-ray plants, diagnostic centres, pathological labs, carpenters and furniture makers, repair workshops, laundries, typing institutes, internet cafes, STD/ISD PCO's, FAX/photocopy shops, tailoring shops, Non- Government Institutions such as schools, colleges, libraries, research institutes, boarding/lodging houses, railway stations, fuel/oil stations/pumps, bottling or filling stations/plants, service stations, Railway/Bus stations/terminals, All India radio/T.V/Cable TV establishment with

sub-operators' installations, printing presses, commercial trusts, societies, banks, financial institutions, theatres, cinema halls, circus, coaching institutes, common facilities in multi-storeyed commercial offices/buildings, Public Museums, Crematoriums, graveyards, orphanages/recognized charitable institutions where rental or fees of any kind are charged, non-recognized charitable institutions, power supply to telecommunication system/towers, leased of Government property(ies) to private party(ies) such as Guest house, tourist lodges, restaurants and others commercial applications those not covered under any other categories. It shall also include store/stock yard, parking lot, Storage godowns and any other applications for private/company/government gain.

It will broadly apply to all offices/establishment so setup for the purpose of trading/profit making.

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be treated under Option – 1

Rates:

a) Fixed charge		Rs 80.00 per month per kW of contracted load
b) Energy charge (per month)		
i)	First 150 kWh	@ Rs 8.20 per kWh
ii)	All units above 150 kWh	@ Rs 8.45 per kWh

No ToD tariff will be applicable for consumers who opts for Option-1 tariff

Rates: (Option-2- ToD Tariff based)

a) Fixed charge		Rs 80.00 per month per kW of contracted Load.
b) Energy charge (per month)		
i)	06.00Hrs to 17.00Hrs (Normal)	@ Rs 7.10 per kWh
ii)	17.00Hrs to 22.00Hrs (Peak)	@ Rs 9.10 per kWh
iii)	22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 5.55 per kWh

Note 1: *Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary*

system (Metering arrangement, data communication & billing software etc.) is kept in place

2.5 LT Category - 5: Public Lighting Service (Street/thorough fare lighting)

Applicability: Applicable to Public Street Lighting System in Municipality, City, Town, Sub-Town/Village, etc. including Signal system and Road and Park lighting in areas of Municipality, City, Town, Sub-Town/Village, etc.

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be treated under Option – 1

Rates (Option-1)

a) Fixed charge	Rs 80.00 per month per kW of contracted load.
b) Energy charge (per month)	
For all units (kWh)	@ Rs 11.35 per kWh

No ToD tariff will be applicable for consumers who opts for Option-1 tariff

Rates: (Option-2- ToD Tariff based)

a) Fixed charge	Rs 80.00 per month per kW of contracted Load.
b) Energy charge (per month)	
i) 06.00Hrs to 17.00Hrs (Normal)	@ Rs 8.80 per kWh
ii) 17.00Hrs to 22.00Hrs (Peak)	@ Rs 11.25 per kWh
iii) 22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 6.85 per kWh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place

2.6 LT Category – 6: Public Water Works

Applicability: Applicable to all public water supply system and sewerage pumping.

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be billed under Option-1.

Rates: (Option-1)

a) Fixed charge	Rs 90.00 per month per kW of contracted load.
b) Energy charge (per month)	
For all units (kWh)	@ Rs 11.10 per kWh

No ToD tariff will be applicable for consumers who opts for Option-1 tariff

Rates: (Option-2- ToD Tariff based)

a) Fixed charge	Rs 90.00 per month per kW of contracted Load.
b) Energy charge (per month)	
i) 06.00Hrs to 17.00Hrs (Normal)	@ Rs 8.60 per kWh
ii) 17.00Hrs to 22.00Hrs (Peak)	@ Rs 11.00 per kWh
iii) 22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 6.70 per kWh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place

2.7 LT Category -7: Irrigation & Agriculture Service

Applicability: This tariff is applicable to irrigation/pumping for agricultural purpose only.

Rates:

a) Fixed charge	Rs 50.00 per month per kW of contracted load.
b) Energy charge (per month)	
For all units (kWh)	@ Rs 3.80 per kWh

No TOD Tariff is proposed for this category in FY 2026-27 as per guidelines.

2.8 LT Category – 8: Industrial Service

Applicability: Applicable for supply of energy for Industrial purposes, such as manufacturing/ processing / preserving of goods as such, cold storage plants/units, all types of workshops using electrical energy for such works, power looms, weaving houses, carpentry works, steel fabrication works, tyre re-treading works, black-smiths, Gold-smiths, saw mills, flour/rice mills, oil mills, re-rolling mills, motor body building works, coffee/ginger/turmeric processing units, winery plants, fruits processing plants, Ice candy units, fodder cutting units, poultry farming/ hatchery units, silk rearing/processing units, pisciculture, prawn culture units, mushroom production units, floriculture in green houses, sugarcane crushing, milk/meat processing units, bamboo processing units, paper/steel/aluminium recycling units,

construction of power generating stations/substations and power supply to any generating stations.

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be billed under Option-1.

Rates: (Option-1)

a) Fixed charge	Rs 80.00 per month per kW of contracted load.
b) Energy charge (per month)	
First 400 kWh	@ Rs 7.10 per kWh
All units above 400 kWh	@ Rs 8.05 per kWh

No ToD tariff will be applicable for consumers who opts for Option-1 tariff

Rates: (Option-2- ToD Tariff based)

a) Fixed charge	Rs 80.00 per month per kW of contracted Load.
b) Energy charge (per month)	
i) 06.00Hrs to 17.00Hrs (Normal)	@ Rs 7.00 per kWh
ii) 17.00Hrs to 22.00Hrs (Peak)	@ Rs 8.95 per kWh
iii) 22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 5.45 per kWh

Note 1: *Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place*

2.9 LT Category – 9: Electric Vehicle Charging Stations

Applicability: This tariff is applicable to those consumers who use electricity installations exclusively for charging Electric Vehicles (i.e., two-wheeler to four-wheeler). The consumer shall obtain a separate service connection for this purpose.

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be billed under Option-1.

Rates: (Option-1)

a) Fixed charge	Rs nil /month per kW of contracted load.
b) Energy charge (per month)	
All units consumed	@ Rs 7.26 per kWh

No ToD tariff will be applicable for consumers who opts for Option-1 tariff

Rates: (Option-2- ToD Tariff based)

a) Fixed charge	Rs nil per month per kW of contracted Load.
b) Energy charge (per month)	
i)	09.00Hrs to 16.00Hrs (Solar Hours) @ Rs 7.26 per kWh
ii)	16.00Hrs to 9.00Hrs (Non-Solar Hours) @ Rs 13.49 per kWh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place.

Note-2: Consumers can charge their Own Electric Vehicles (for personal usage) at their respective house/residence, paying the charge applicable to the consumer category he/she belongs to.

3: HT SUPPLY

Applicability: - The tariffs are applicable for Consumer availing supply at voltage above 400Volts irrespective of connected load/contracted demand. It is mandatory to supply with voltage above 400V, to consumer having a contracted Load of above 50 kW or Contracted Demand of above **55.56 kVA**, as per clause 3.2 of erstwhile JERC for M&M (Electricity Supply Code) Regulations, 2013, with up-to-date amendment.

3.1 HT Category - I: Domestic Service

Applicability: This tariff is applicable for the similar purposes as already defined in LT category- 2 above and rates are as follows:

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be billed under Option-1.

Rates: (Option-1)

a) Demand charge	Rs 50.00 per month per kVA of Billing Demand.
b) Energy charge (per month)	
All kVAh	@ Rs 8.65 per kVAh

Rates: (Option-2- ToD Tariff based)

a) Fixed charge	Rs 50.00 per month per kVA of Billing Demand.
b) Energy charge (per month)	
i) 06.00Hrs to 17.00Hrs (Normal)	@ Rs 7.80 per kVAh
ii) 17.00Hrs to 22.00Hrs (Peak)	@ Rs 10.00 per kVAh
iii) 22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 6.10 per kVAh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place

3.2 HT Category - 2: Non-Profit Public Service

Applicability: This tariff is applicable for the similar purposes as already defined in LT Category-3 above and rates are as follows:

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be billed under Option-1.

Rates: (Option-1)

a) Demand charge	Rs 60.00 per month per kVA of Billing Demand.
b) Energy charge (per month)	
All kVAh	@ Rs 8.75 per kVAh

Rates: (Option-2- ToD Tariff based)

a) Fixed charge	Rs 60.00 per month per kVA of Billing Demand.
b) Energy charge (per month)	
i) 06.00Hrs to 17.00Hrs (Normal)	@ Rs 8.45 per kVAh
ii) 17.00Hrs to 22.00Hrs (Peak)	@ Rs 10.80 per kVAh
iii) 22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 6.60 per kVAh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place

3.3 HT Category - 3: Commercial Service

Applicability: This tariff is applicable for the similar purposes as already defined in LT Category-4 above and rates are as follows:

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be billed under Option-1.

Rates: (Option-1)

a) Demand charge	Rs 80.00 per month per kVA of Billing Demand.
b) Energy charge (per month)	
All kVAh	@ Rs 8.90 per kVAh

Rates: (Option-2- ToD Tariff based)

a) Fixed charge	Rs 80.00 per month per kVA of Billing Demand.	
b) Energy charge (per month)		
i)	06.00Hrs to 17.00Hrs (Normal)	@ Rs 8.60 per kVAh
ii)	17.00Hrs to 22.00Hrs (Peak)	@ Rs 11.00 per kVAh
iii)	22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 6.70 per kVAh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place

3.4 Category 4: Public Water Works (PWW)

Applicability: This tariff is applicable for the similar purposes as already defined in LT Category- 6 above and rates are as follows:

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be billed under Option-1.

Rates: (Option-1)

a) Demand charge	Rs 90.00 per month per kVA of Billing Demand.
b) Energy charge (per month)	
All kVAh	@ Rs 9.85 per kVAh

Rates: (Option-2- ToD Tariff based)

a) Fixed charge		Rs 90.00 per month per kVA of Billing Demand.
b) Energy charge (per month)		
i)	06.00Hrs to 17.00Hrs (Normal)	@ Rs 8.80 per kVAh
ii)	17.00Hrs to 22.00Hrs (Peak)	@ Rs 11.25 per kVAh
iii)	22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 6.85 per kVAh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place.

3.5 HT Category - 5: Irrigation & Agriculture Service

Applicability: This tariff is applicable for the similar purposes as already defined in LT Category- 7 above and rates are as follows:

Rates:

a) Demand charge	Rs 50.00 per month per kVA of Billing Demand.
b) Energy charge (per month)	
All kVAh	@ Rs 3.85 per kVAh

No TOD Tariff is proposed for this category in FY2025-26 as per guidelines.

3.6 HT Category -6: Industrial Service

Applicability: This Tariff is applicable for all the similar purpose as already defined in LT Category – 8 above and rates are as follows:

A consumer may give change of existing supply option to another depending on their requirements by making a prior intimation to concerned billing unit working under P&ED, Mizoram.

Individuals those willing to switch over to avail power supply under Option-2 (ToD) shall invariably exercise such choice of swift-over to option-2 in writing to the Department official concern else all the existing HT Industrial consumer would be treated as covered under existing category i.e., Option–1 only.

Note: Any Consumer once exercised his willingness to change over may apply for such change of option/reverting to old option will be allowed/permitted only after the expiry of one (1) year period

completion from the date of such switching to the present supply option.

Option-1 Rates: (TOD tariff is not be applicable)

a) Demand charge	Rs 80.00 per month per kVA of Billing Demand
b) Energy charge (per month)	
All kVAh	@ Rs 9.05 per kVAh

Option-2 Rates: (on switching over to TOD power supply from option-1)

a) Demand charge		Rs 80.00 per month per kVA of Billing Demand
b) Energy Charge (per month) power consumption in three (3) varied time slots during every day		
i)	06.00Hrs to 17.00Hrs (Normal)	@ Rs 9.05 per kVAh
ii)	17.00Hrs to 22.00Hrs (Peak)	@ Rs 11.40 per kVAh
iii)	22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 7.05 per kVAh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place.

3.7 HT Category - 7: Bulk supply within the State

Applicability: Applicable for HT Consumers having single point metering of mixed load of housing complex, multi-storeyed building, Military Engineering Service (MES), Border Road Task Force (BRTF), etc. where the supply is used predominantly for domestic purpose (with domestic load not less than 85 % of the total load) and internal maintenance of power supply is carried out by the bulk consumers themselves, Tariff Rate applicable is as follows:

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be billed under Option-1.

Rates: (Option-1)

a) Demand charge	Rs 90.00 per month per kVA of Billing Demand.
b) Energy charge (per month)	
All kVAh	@ Rs 6.85 per kVAh

Rates: (Option-2- ToD Tariff based)

a) Fixed charge		Rs 90.00 per month per kVA of Billing Demand.
b) Energy charge (per month)		
i)	06.00Hrs to 17.00Hrs (Normal)	@ Rs 7.70 per kVAh
ii)	17.00Hrs to 22.00Hrs (Peak)	@ Rs 9.70 per kVAh
iii)	22.00Hrs to 06.00Hrs (Night/Off-peak)	@ Rs 6.15 per kVAh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place.

3.8 HT Category - 8: Electric Vehicle Charging Station

Applicability: This tariff is applicable for the similar purposes as already defined in LT Category-9 above and rates are as follows.

Tariff Rate applicable

A consumer may opt for one of the following options depending on his requirements by prior intimation to concerned billing unit of P&ED MIZORAM. A consumer may change his option only after one year of availing that particular option.

Initially, unless the consumer applied for Option – 2, all the existing consumer under this category shall be billed under Option-1.

Rates: (Option-1)

a) Fixed charge	Rs nil per month per kVA of contracted load.
b) Energy charge (per month)	
All units consumed	@ Rs 7.26 per kVAh

Option-2 Rates: (on switching over to TOD power supply from option-1)

a) Demand charge		Rs nil per month per kVA of Billing Demand
b) Energy Charge (per month) power consumption in two (2) varied time slots during every day		
i)	09.00Hrs to 16.00Hrs (Solar Hours)	@ Rs 7.26 per kWh
ii)	16.00Hrs to 9.00Hrs (Non-Solar Hours)	@ Rs 13.49 per kWh

Note 1: Even though, TOD tariff has been determined under Option – 2, the consumer may start only when the Distribution Licensee put all necessary system (Metering arrangement, data communication & billing software etc.) is kept in place.

Note-2: Consumers can charge their Own Electric Vehicles (for personal usage) at their respective house/residence, paying the charge applicable to the consumer category he/she belongs to.

B: FULL COST TARIFF (FCT) (i.e., WITH NO SUBSIDY) for FY2026-27

Sl. No.	Consumer Category	Approved Full Cost Tariff (FCT)	
		Energy Charges (Rs/month)	Fixed Charges (Rs.)
1	Kutir Jyoti		
i)	First 20 kWh	6.70/kWh	25/Connection
ii)	Balance above 20 kWh	9.32/kWh	25/Connection
2	Domestic		
A	Low Tension		
i)	First 100 kWh	7.67/kWh	50/kW of Contracted Load
ii)	Next 100 kWh	14.61/kWh	50/kW of Contracted Load
iii)	Balance above 200 kWh	14.71/kWh	50/kW of Contracted Load
B	High Tension	10.33/kVAh	50/kVA of Billing Demand
3	Non-Profit Public Service		
A	Low Tension		
i)	First 150 kWh	8.43/kWh	60/kW of Contracted Load
ii)	Balance above 150 kWh	9.21/kWh	60/kW of Contracted Load
B	High Tension	9.04/kVAh	60/kVA of Billing Demand
4	Commercial		
A	Low Tension		
i)	First 150 kWh	11.31/kWh	80/kW of Contracted Load
ii)	Balance above 150 kWh	11.65/kWh	80/kW of Contracted Load
B	High Tension	8.71/kVAh	80/kVA of Billing Demand
5	Public Lighting	11.72/kWh	80/kW of Contracted Load
6	Public Water Works		
A	Low Tension	4.92/kWh	90/kW of Contracted Load
B	High Tension	10.58/kVAh	90/kVA of Billing Demand
7	Irrigation & Agriculture		
A	Low Tension	11.01/kWh	50/kW of Contracted Load
B	High Tension	9.28/kVAh	50/kVA of Billing Demand
8	Industrial		
A	Low Tension		
i)	First 400 kWh	9.59/kWh	80/kW of Contracted Load
ii)	Balance above 400 kWh	10.29/kWh	80/kW of Contracted Load
B	High Tension (Op-1)	9.68/kVAh	80/kVA of Billing Demand
	High Tension (Op-2)	0.00/kVAh	80/kVA of Billing Demand
9	Electric Vehicle charging Stns (LT)	7.26/kWh	--/kW of Billing Demand
10	Electric Vehicle charging Stns (HT)	7.26/kVAh	--/kVA of Billing Demand
11	Bulk Supply	9.74/kVAh	90/kVA of Billing Demand

4. Temporary Supply:

Applicability: Temporary power supply shall be given through correct meter and carried out as per procedure laid down in clause 4.56 to 4.70 of the Electricity Supply Code Regulations, 2013 with latest amendments. If the applicant provides the materials for service line, it shall be treated as per clause 4.133 of the Electricity Supply Code

Regulations, 2013 with latest amendments. **If the licensee/Discom desired to delegate power to its various level of officers, it may be done so through an executive order issued by the licensee/Discom. However, in all cases, overall duration should not violate the supply code duration mentioned above.** If the service line is arranged by consumer, it shall be treated as per clause 4.133 of the Electricity Supply Code Regulations, 2013 with latest amendments and be returned to the consumer after the period is over. Bill shall be served at the following rates:

Rates:

a) Fixed /Demand Charge	1.5 times the rate of fixed/demand charge of the applicable tariff category for which power supply is given.
b) Energy Charge per month	1.5 times the rate of the highest rated slab of the applicable tariff category for which energy is supplied.

5. Computation of un-metered energy:

5.1 Street light billing: - (1) As per Section 55 of Electricity Act 2003 and also as per clause 5.1 of the Electricity Supply Code Regulations, 2013 with latest amendments, no installation should be serviced without appropriate and correct meter. Keeping in view, the elapse of many more years from E. Act 2003 promulgation and also after several years elapsed from the supply code effective date, the formula for computation of energy consumed for unmetered supply in crude way is felt unnecessary and hence withdrawn. P&ED should install meters for all street lighting supply at all points along with DT metering and bill them accordingly.

5.2 P&ED has achieved 100% metering of all consumers as per report in the 18th State Advisory Committee meeting. Hence, separate computation methodology is no longer required and hence deleted fully & withdrawn forthwith. **(5.1 above shall not be applicable).** Billing under defective, burnt, lost meter shall be made as per the Electricity Supply Code Regulations, 2013 with latest amendment.

5.3 For Un-authorized consumer/theft (includes by-pass of meter)/pilferage and cases cover by section 135 of the Act: The energy consumed shall be computed as per Annexure 11.1.19 of the Electricity Supply Code Regulations, 2013. **With up to date amendment.** The energy so computed shall be evaluated as follows:

(a) Load less than 10 kW

(1) First instance: - Three (3) times of the rate of the applicable tariff (fixed and

variable charges) for which the stolen energy was utilized.

- (2) **Second and subsequent instances:** - Six (6) times of the rate of the applicable tariff (fixed and variable charges) for which the stolen energy was utilized.

(b) Load exceeding 10 kW

- (1) **First instance:** - Three (3) times of the rate of the applicable tariff (fixed and variable charges) for which the stolen energy was utilized.
- (2) **Second and subsequent instances:** - Six (6) times of the rate of the applicable tariff (fixed and variable charges) for which the stolen energy was utilized.

6. Tariff for Smart Pre-paid Meter Consumers

6.1 The Tariff rate & other charges for **prepaid meter consumers** now introduced afresh are as follows:

1. **Tariff Rate:** The tariff rate shall be the same as the post-paid tariff (daily pro rata basis).
2. **Payment of Bill:** Payment can be made through online and offline modes, same as post-paid.
3. **Rebate:** To convince consumers to opt for pre-paid metering, a rebate of 2% may be provided for all consumers, however, HT consumers up to 50 kW may avail existing rebate of 5%. (*As per Tariff Order for FY 2025-26 Appendix Clause 1.1(i) under general conditions of supply*).
4. **Purchase of Pre-paid Meter:** Prepaid meter shall be rent from P&ED and meter rent shall be paid to P&ED.
5. **Load Security:** Load Security deposit available in respect of consumers under post-paid arrangement who had already deposited with P&ED shall be treated as initial recharge amount for respective consumers who are migrating to pre-paid metering.
6. **Grace Period:** Grace period to recharge the smart meter is for three (3) days both in urban and rural areas before power meter disconnection when consumer balance runs out to zero.
7. **Alerts:** When the available recharge balance in prepaid smart meter is noticed to be lesser than the average consumption amount for next 7 days, initially the relevant consumers will be first informed of the same through

SMS/ WhatsApp before their available balances reaches zero to recharge immediately to avail the uninterrupted power supply.

8. **Damaged Prepaid Meter System:** If the prepaid smart meter is damaged because of the consumer fault, then the consumer shall pay for its replacement. If the damaged is attributed to technical issues caused by the licensee (like voltage fluctuations or transients), the licensee will replace it free of charge to the consumer.
9. **Minimum & Maximum Recharge Amount:** Minimum amount of recharge is at Rs.100 and the additional recharge amount would be in the multiple of Rs.50 for any amount beyond Rs.100 is to be followed. There shall be no restriction for maximum upper limit to the recharge amount.

7. Miscellaneous Charges (Part of Non-Tariff Income)

- 7.1 **Meter Rent for (non-Smart/Smart) meters:** Monthly charges for hiring of the meter, indicator shall be as follows:

7.1.1 LT Metering: (Non-Smart) meters

a) AC, Single phase 1Ø Energy meter whole current	Rs.20.00 per month
b) AC, three phase 3Ø Energy meter, whole current	Rs.35.00 per month.
c) AC, three phase 3Ø Energy meters, CT operated	Rs.50.00 per month
d) Any other type of meter/indicator	Rs.100.00 per month

For Smart Meters rental charges for LT	
a) AC, Single phase 1Ø Energy meter whole current	Rs.50.00 per month
b) AC, three phase 3Ø Energy meter, whole current	Rs.60.00 per month.

7.1.2 HT Metering: (Non-Smart meter rental)

a) AC, three phase 3Ø Energy meter, CT & PT operated	Rs.200.00 per month.
b) Any other type of meter/indicator	Rs.300.00 per Month.

For Smart Meter Rentals for HT	
AC, three phase 3Ø Smart Energy meter, CT & PT operated	Rs.250.00 per month.

7.2. Pole/Tower usage charge per month

7.2.1 For supporting of internet/media/telephone cables:

This charge shall be borne by Operator/Distributor of visual media network.

- a) Rs.10.00 per pole per cable per month in case of internet cable/ media cables/visual media cables
- b) Rs.20.00 per pole per month per cable in case of landline telephone cable. (a cable

having up to 5 pair of lines shall be taken as one cable for this purpose) Telephone cable having more than 5 pairs shall be considered as 2, 3 etc, by dividing actual number of pairs by 5 to arrive at equivalent number of cables. Any fraction shall be rounded to next higher integer.

7.3. Other charges for meter:

(a) Meter shifting charge:

- i) Rs.200.00 per shifting if it resulted from reconstruction/ modification of building by consumer or at consumer's request. Material to be borne by interest party.
- ii) Free of cost if shifting is done in the interest to licensee. Required material to be borne by licensee.

Meter shifting shall be carried out as per Chapter – 5 of the Electricity Supply Code Regulations, 2013. with up-to-date amendment.

(b) The cost of replacement and execution charge:

Utility shall have stock of energy meter as per clause 5.51 of the Electricity Supply Code Regulations, 2013. with up-to-date amendment. Replacement of meter shall be carried out as per clause 5.31 to 5.50 of the same code mentioned above. Charges for other materials will be extra.

i) Execution charge for re-installation/installation of meter:

- a) For existing consumer, it shall be Free of cost.
- b) For disconnected consumer with meter removed: Rs.100.00
- c) For new consumer, it shall be included in the cost-of-service connection under the nomenclature **execution charges**.

ii) Cost of Energy Meters supplied by Licensee:

If the consumer prefers to buy meter from the Licensee for new connection or for replacement for a faulty meter, the price will be at the Licensee's purchase rate if supplied by the Licensee after collection of Rs.100/- towards storage charges (*Prima facie energy meters installed for usage shall be of those approved or tested & approved by the Licensee*).

However, when the cause leading to subsequent replacement instance either due to manufacturing defect or fault on the part of licensee then, **it shall be done free of cost.**

- c) **Testing charge of Meter at the request of consumers:** (Testing charge is inclusive of costs of meter re-sealing materials/equipment).

Sl. No	Type of Meter for testing	Charges payable
i)	For AC, Single phase LT energy meter	Rs.75.00 per meter per testing.
ii)	For AC, three phase LT energy meter whole current	Rs.100.00 per meter per testing.
iii)	For AC, three phase LT energy meter, CT operated	Rs.200.00 per meter per testing.
iv)	For energy meter, AC three Phase, CT & PT operated	Rs.300.00 per meter per testing.
v)	For any other type of meter HT supply	Rs.300.00 per meter per testing.

In case the meter supplied by the Licensee fitted to the consumer premises is found to be defective from initial fitting, testing and replacement of meter shall be carried out as per clause 5.31 to 5.50 of the Electricity Supply Code Regulations, 2013. with up to date amendment.

7.4 Testing charge of Consumer's Installation:

The first test and inspection will be carried out free of cost as per Clause 4.47 of Electricity Supply Code Regulations, 2013. Should any further test or inspection be necessitated due to fault in the installation or due to non-compliance with the condition of supply by the consumer an extra charge of **Rs.150.00** (excluding GST) per test, payable in advance, shall be levied. In the event of the consumer failing to pay the testing charge in advance within stipulated time, the Licensee will be at liberty to disconnect the consumer's premise from the supplier's main.

7.5 Disconnection and Reconnection:

(1) **Disconnection:** -Disconnection of an installation in all cases will be **free of charges**.

(2) **Reconnection:** - Reconnection charge shall be as follows: -

(i)	For AC single phase LT supply	Rs.100.00
(ii)	For AC three phase LT supply	Rs.150.00
(iii)	For AC HT supply	Rs.400.00

Note: - Any extra material required during reconnection will be charged extra.

7.6 Change of category:

Change of category will be carried out as per clause 4.72 to 4.80, clause 4.85 to 4.86 and 4.90 to 4.93 of the Electricity supply Code Regulations, 2013 with up-to-date amendment.

- 7.7 **Mutation Fee:** -Mutation fee i.e. fee for change of name shall be Rs.50.00 per change. This shall be carried out as per clause 4.81 to 4.84 of the Electricity Supply Code Regulations,

2013 with up-to-date amendment.

7.8 Charges for Replacement of Connection Wire, Cut-out, Fuse, meters etc.:

Cost of replacement after initial fixation of connection wire, cut-out, fuses, meters etc. will be borne by the consumers and shall be payable by the consumer in advance. If the Licensee supplies the materials, or the consumer may arrange required materials as per the required specifications of the Licensee. The execution charges shall be as follows:

(1) For Cable and wire (if meter cost borne by consumer):

(a)	Single phase connection:	Rs. 400.00 per connection.
(b)	Three phase connection:	Rs. 600.00 per connection.
(c)	HT three phase connection:	Rs. 900.00 per 100 meters of the HT line.

Note: - In case if meter is provided by Licensee, the additional cost payable by consumer(s) will be as specified by the Licensee along with applicable Taxes if any.

(2) For Cut-Out & Fuse: -

1) per Cut-Out - Rs 10.00
2) per Fuse - Rs 3.00

1) For Replacement of meters

a) Single Phase: Rs.40/-	b) Three Phase: Rs.60/-
c) CT operated: Rs.80/-	d) CT & PT operated: Rs.80/-

Works shall be executed only on production of payment receipt from concerned office.

7.9 Re-rating charge of Consumer's Installation:

This charge is for meeting expenses toward spot verification of load and other connected recording works. Charge for re-rating of the consumer's installation at the request of the consumer shall be Rs.150.00 per rerating per connection. Inspection for re-rating should be carried out only on advance payment in the concerned office and on production of such payment receipt.

The aforesaid charges do not include the charges payable by the consumer for other works connected due to change of connected load (like additional load security, etc. However excess security paid by consumer should be returned by way of adjustment in monthly bill in one instalment). Rerating shall be carried out as per clause 4.94 to 4.107 of the Electricity Supply Code Regulations, 2013 with up-to-date amendment.

7.10 Security Deposits: -

(i) Meter Security deposit (if Licensee's meter is used):

The amount of Security deposit for meter security shall normally be the price of the meter as fixed by the licensee from time to time *in line with section 55 of Electricity Act 2003*.

(ii) Load Security deposit:

The amount of load shall be calculated as per the procedure prescribed in clause 4.123 – 4.127 and determine as per Annexure 11.18 of the Electricity Supply Code Regulations, 2013 with up-to-date amendment. ***However, consumer with prepaid meter shall not be required to pay load security deposit.***

7.11- Charges for Replacement of tamper proof Meter Housing Box:

For AC single phase LT or three phases LT without CT or with CT, the energy meter box if replaced from Licensee's store: The charge will be as per Licensee's purchase rate.

The execution charges shall be as follows:

- | |
|--|
| <p>a) Single Phase: Rs.20/- b) Three Phase: Rs.30/-
c) CT operated: Rs.40/- d) CT & PT operated: Rs.40/-</p> |
|--|

7.12- Charges for Testing of Transformer Oil:

- (a) For first sample of oil: Rs.150.00 per sample.
- (b) For the next additional sample of oil of the equipment received at the same time of the first sample: Rs.100.00 per sample.

7.13- Service Lines & Service Connection:

(a) Type of Service Connection: Type of service connection and distance for service connection line length will be as per clause 4.2 read with clause 5.10 of the Electricity Supply Code Regulations, 2013 with up-to-date amendment.

(b) Cost of Service Connection: As stipulated in Clause 4.37 & 4.131 of the Electricity Supply Code Regulations, 2013. If the consumer desires to arrange service connection materials, the Licensee (not below rank of Junior Engineer concerned) will check all the materials.

7.14 Cost of Application Form: The application form shall be free of cost vide clause- 4.14 of the Electricity Supply Code Regulations, 2013 with up-to-date amendment.

ANNEXURES

ANNEXURE-I**MINUTES OF 28th MEETING OF
THE STATE ADVISORY COMMITTEE OF MIZORAM****Date: 19th MARCH (Thursday), 2026 Time: 10.30 A.M.****Venue: AIJAL CLUB, RB Mc'cabe Hall, Khatla, AIZAWL.****The list of Members and Participants attended the SAC meeting is appended.**

Pi Lalchanchinmawii, Assistant Secretary, MZERC, opened the meeting by introducing and welcoming the SAC members. Following this, the meeting was presided over by the Chairman, Mr. Benjamin L. Tlumtea, Hon'ble Chairperson, MZERC.

The Chairman explained the general process of inducting SAC members, noting that they are appointed in accordance with the Electricity Act. He expressed his appreciation for MZERC achieving the 10th position (A Grade) in the All India rankings for Rating Regulatory Performance of States and UTs – 2025 by Power Foundation of India in collaboration with REC Limited. He attributed this success to the effective cooperation amongst SAC members, the Power & Electricity Department (P&ED), Consumers' Unions, and the Commission.

Agenda 1: Confirmation of the Minutes of the 27th Meeting of State Advisory Committee held on 11th March 2025

The Chairman sought the members input on any concerns or objections regarding the minutes of the 27th SAC Meeting. Upon receiving doubts on some point and clarifications thereon and affirmation, the minutes was taken as confirmed.

Agenda 2: Review of action taken on the minutes of the 27th meeting of SAC.**(i) Public Awareness and Vigilance Report:**

The Chairperson invited the Aizawl Municipal Corporation (AMC) to report on their progress regarding streetlights. However, as the member or representative was unable to attend, a detailed report could not be obtained which the committee viewed as regretful. Er. Ngursailova, CE (SO), P&ED, submitted a report stating that a Coordination Committee has been established. He reported that Local Council (LC) members within Aizawl convened a "Meeting-cum-Awareness" session on 3rd December, 2025, with plans to hold another meeting early next year.

Pu Lallunghnema expressed disappointment over AMC's absence and hoped for faster progress on streetlight issues, suggesting the inclusion of activists. Pu Vanlalruata emphasized the necessity of regular Coordination Committee meetings and noted a significant reduction in streetlights remaining illuminated during the day.

The Local Administration Department (LAD) representative noted progress in rural areas but mentioned they had not received the 27th SAC Meeting minutes and could not provide a specific rural streetlight performance report. They suggested that the maintenance of streetlights might be more efficient if handled directly by the P&ED.

Regarding billing of street light, Er. Ngursailova explained that it is currently done on a "per point" basis. The Secretary of FCS&CA (drawn from prior experience in LAD) suggested that Local Council, Village Council, etc. may be held more responsible in maintaining streetlights in their areas and proposed that streetlight bills only be settled after being countersigned by the Village Council (VC) if it falls under the purview of the respective Local/village authorities.

It was decided that AMC and P&ED are to hold a Joint Meeting immediately regarding Public Awareness and Vigilance, LAD and P&ED will take the lead on these issues for areas outside the AMC jurisdiction. AMC and LAD are to conduct a count of the streetlight details in their respective areas (including rural areas) with the connected load and submit a report by mid year of FY 2026-27.

This exercise is very essential so that streetlights energy consumption can be billed accurately and so is the payment.

Action by: AMC, LAD, P&ED

(ii) Prepaid Metering and Smart Metering:

Er. Zothansanga, SE, P&ED, reported that the Smart Meter project falls under the RDSS scheme. The Central Government has set a target of 2.9 lakh prepaid smart meters for Mizoram. Currently, over 34,000 meters have been installed. As of February 28, 2026, smart readings can be taken for approximately 26,000 meters, prepaid billing has not yet commenced. The project is slated for completion in Mizoram by March 2027, while the All India completion deadline is March 2028. He noted that the primary challenge in accelerating the rollout is the slow production capacity of the meter manufacturers.

The meeting desired that P&ED install Smart Meter as fast as possible with a view of large quantity balance still available. As regard public awareness in the new meter and related billing issues, P&E Department may involve Consumers Union and activists, if felt needed.

Action by: P&E Department.

Agenda 3: Distribution Loss

The Chairman expressed deep concern over the persistent levels of distribution loss and asked P&ED for action being taken to reduce loss. Er. Lalhmingliana Hmar, SE (Commercial), P&ED, attributed the losses to inadequate metering at the 11kv level and old equipments and aged conductors in transmission lines. He added that to reduce transmission loss, they are working on shortening long transmission lines and replacing conductors. To reduce distribution loss, P&ED was advised to collaborate with NGOs (like YMA) and Consumers' Unions to tackle meter bypassing, unauthorized energy use and energy theft.

The meeting maintained that P&E Department should take high distribution loss seriously (28% approx.) and take pragmatic action to reduce energy loss and be competitive with other states.

Action: P&E Department.

Agenda 4: Consumer Grievance Redressal Forum (CGRF)

The committee discussed as how to address the consistent lack of activity in CGRF reports. After discussion it was decided that P&ED is to conduct thorough awareness campaigns regarding the forum and P&ED must ensure that CGRF quarterly reports are submitted to the Commission on time.

Performance of CGRF & Ombudsman is given importance by MOP and APTEL (Appellate Tribunal for Electricity), so all stakeholders are reminded to generate awareness and to take action equitably when the grievances come up.

Action: P&ED, MCU, MZERC.

Agenda 5: Determination of Retail Tariff of P&E Department for FY 2026-27

As invited by the Chairperson, P&E gave a Power Point presentation of the Tariff Petition of True-up for FY 2024-25, Review for FY 2025-26, Tariff for FY 2026-27. The chairman informed that Public Hearing on Tariff Petition of P&E Department will be held as per scheduled on 20th March, 2026.

The Meeting ended at 3:30 pm with vote of thanks from the Chair.

Sd/-
(BENJAMIN L. TLUMTEA)
Chairperson

List of Members and Participants attended
28th Meeting of the State Advisory Committee of Mizoram

Date & Time: 19th March, 2026 (Thursday) 10:30 a.m.

Venue: Aijal Club, RB Mc'cabe Hall, Khatla, Aizawl

Sl. No.	Name of participant	Designation
1.	Pu BENJAMIN L. TLUMTEA	CHAIRPERSON, MZERC
2.	Pu H THANTHIANGA	ASSISTANT CHIEF (ENGINEERING), MZERC
3.	Pi LALCHANCHINMAWII	ASSISTANT SECRETARY, MZERC
4.	Pu LALREMRUATA SAILO	ASSISTANT CHIEF (RA), MZERC
5.	Pu H LALNUNFELA	PAY & ACCOUNTS OFFICER, MZERC
6.	Pi K LALREMSANGI	PRINCIPAL PRIVATE SECRETARY, MZERC
7.	Pu LALRAMHLUN PUROULTE	PRIVATE SECRETARY, MZERC
8.	Pu JOSHEP K HAUZEL	PERSONAL ASSISTANT, MZERC
9.	Pi DOLLY SAIDINGPUII SAILO	STENO, MZERC
10.	Pi LALREMRUATI	STENO, MZERC
11.	Pu K HARI PRASAD	CONSULTANT, MZERC
12.	Pu V SAI SHARAN	CONSULTANT, MZERC
13.	Pu NGURSAILOVA SAILO	CHIEF ENGINEER (SO), P&E
14.	Pu LALHMINGLIANA HMAR	SUPERINTENDING ENGINEER (COMMERCIAL), P&E
15.	Pu MALSAWMDAWNGLIANA	SUPERINTENDING ENGINEER (PDM), P&E
16.	Pu H LALRUATKIMA	SUPERINTENDING ENGINEER, SLDC, P&E
17.	Pu ZOTHANSANGA	SUPERINTENDING ENGINEER (WORKS II) P&E
18.	Pi LALNUNPUII	DIRECTOR, ZEDA
19.	Pu LALDAWNGLIANA	JOINT SECRETARY, P&E
20.	Pu LALRINMAWIA	SUPERINTENDING ENGINEER (APC), P&E
21.	Pu LALHRUAITLUANGA	EXECUTIVE ENGINEER (COMMERCIAL), P&E
22.	Pu H LALLIANMAWIA	EXECUTIVE ENGINEER (REVENUE DIVISION), P&E
23.	Pu LALNGAIHSAKA	EXECUTIVE ENGINEER, P&E
24.	Pu WILFRED VANLALLIANA	ASSISTANT ENGINEER (COMMERCIAL), P&E
25.	Pi V THANGLIANKHUMI	ASSISTANT ENGINEER (COMMERCIAL), P&E
26.	Pi LALSAWMLIANI	JUNIOR ENGINEER (COMMERCIAL), P&E
27.	Pu DAVID LALNUNPUIA	JUNIOR ENGINEER (COMMERCIAL), P&E
28.	Pu B C LALREMRUATA	COMPUTER OPERATOR (COMMERCIAL), P&E
29.	Pu SANJIB MAJHI	CONSULTANT, P&E
30.	Pi TERESY VANLALHRUAII	SECRETARY, FCS&CA,
31.	Pu H LALSIAMLIANA	SUPERINTENDING ENGINEER, PHE
32.	Pu S T LALHMINGMAWIA	JOINT DIRECTOR, LAD
33.	Pu THANGLURA	MIZORAM CONSUMER UNION
34.	Pu VANLALRUATA	TUIKUAL SOUTH
35.	Pu R LALNGHETA	PRESIDENT, CYMA
36.	Pu K THANMAWIA	GENERAL SECRETARY, MUP
37.	Pu H LALBIAKPUIA	G.S., MIZORAM CONSUMERS' UNION
38.	Pu LALLUNGHNEMA	ACTIVIST
39.	Pi LALREMSIAMI	I&PR DEPARTMENT
40.	Pi LALRINCHHANI	I&PR DEPARTMENT
41.	Pu R VANNEIHTHANGA	I&PR DEPARTMENT
42.	Pi ZOREMMAWII FANAI	AVPA, I&PR DEPARTMENT

ANNEXURE–II

LIST OF PARTICIPANTS ATTENDED
THE PUBLIC HEARING ON ARR & TARIFF PROPOSAL PETITION FOR FY 2026-27
SUBMITTED BY POWER & ELECTRICITY DEPARTMENT, GOVT. OF MIZORAM

Venue: Aijal Club, RB Mc'cabe Hall, Khatla, Aizawl, Mizoram.

Date & Time: 20th March, 2026 (Friday) at 10.30 am

Sl. No.	Name of participant	Designation
1.	Pu BENJAMIN L. TLUMTEA	CHAIRPERSON, MZERC
2.	Pu H. THANTHIANGA	ASSISTANT CHIEF (ENGINEERING), MZERC
3.	Pu LALCHANCHINMAWII	ASSISTANT SECRETARY, MZERC
4.	Pu LALREMRUATA SAILO	ASSISTANT CHIEF (RA), MZERC
5.	Pu H. LALNUNFELA	PAY & ACCOUNTS OFFICER, MZERC
6.	Pi K. LALREMSANGI	PRINCIPAL PRIVATE SECRETARY, MZERC
7.	Pu LALRAMHLUN PUROULTE	PRIVATE SECRETARY, MZERC
8.	Pu K. HARI PRASAD	CONSULTANT, MZERC
9.	Pu V.SAI SHARAN	CONSULTANT, MZERC
10.	Pu NGURSAILOVA SAILO	CHIEF ENGINEER (SO), P&E
11.	Pu LALHMINGLIANA HMAR	SUPERINTENDING ENGINEER (COMMERCIAL), P&E
12.	Pu H. LALRUATKIMA	SUPERINTENDING ENGINEER, SLDC, P&E
13.	Pu LALRINMAWIA	SUPERINTENDING ENGINEER, APC, P&E
14.	Pu C.C. LALRIMAWIA	SUPERINTENDING ENGINEER (W – I)
15.	Pu ZOTHANSANGA	SUPERINTENDING ENGINEER (W – II)
16.	Pu LALHRUAITLUANGA	EXECUTIVE ENGINEER (COMMERCIAL), P&E
17.	Pu WILFRED VANLALLIANA	ASSISTANT ENGINEER (COMMERCIAL), P&E
18.	Pi V. THANGLIANKHUMI	ASSISTANT ENGINEER (COMMERCIAL), P&E
19.	Pu DAVID LALNUNPUIA	JUNIOR ENGINEER (COMMERCIAL) P&E
20.	Pi LALSAWMLIANI	JUNIOR ENGINEER (COMMERCIAL) P&E
21.	Pu B.C. LALREMRUATA	COMPUTER OPERATOR, P&ED
22.	Pu SANJIB MAJHI	CONSULTANT, P&E
23.	Pu VANLALRUATA	TUİKUAL SOUTH
24.	Pu THANGLURA	PRESIDENT, MCU HQRS.
25.	Pu PROF. CHAWNGSAILOVA	VICE. PRESIDENT, MCU
26.	Pu LALLUNGHNEMA	REPUBLIC VENG
27.	Pu H. LALBIAKPUIA	G.S., MIZORAM CONSUMERS' UNION
28.	Pu C. LALHMACHHUANA	MJA

Annexure-III

Commission approved expected Revenue from Subsidised Tariffs w.e.f 1.04.2026 in FY 2026-27											
Sl. No.	Consumer Category (FY 2026-27)	Consumers	Connected Load (in kW)	Annual Sales (in MU)	Sales/ Consumer /Month (in kWh)	Fixed Charge (₹ /kW)	Energy Charge (₹ /kWh)	Annual Revenue		Annual Revenue (₹ Crs)	Avg. per unit (₹ /kWh)
								Fixed Charges (₹ Crs)	Energy Charge/ (₹ Crs)		
1	2	3	4	5	6	7	8	9	10	11=(9+10)	12=11/5
1	KJ(Domestic)					Conc/kW	₹ /kWh	₹ /kWh			
i)	First 20 kWh	11898	3660.02	3.20	22.43		2.55	0.36	0.82	1.173	
ii)	Above 20 kWh	5144	1701.23	2.63	42.67		3.55	0.15	0.81	0.966	
	Sub Total	17042	5361.25	5.84		25		0.51	1.63	2.139	3.67
2	Domestic					₹ /CL/kW	₹ /kWh				
i)	First 100 kWh	184480	198127.65	161.94	73.15	50	4.90	11.89	79.35	91.240	
ii)	101 - 200 kWh	55224	77454.21	93.57	141.20	50	7.10	4.65	51.86	56.506	
iii)	Above 200 kWh	41157	80352.87	75.81	153.50	50	8.20	4.82	40.44	45.257	
	Sub Total	280861	355934.72	331.33		50		21.36	171.65	193.003	5.83
3	Domestic HT	9	2058.37	1.72		50	8.65	0.14	1.65	1.790	10.41
	Total Domestic	297912	363354.34	338.89				22.00	174.93	196.932	5.81
4	Non-Profit Public										
i)	First 150 kWh	8111	14426.23	8.41	86.41		7.60	1.04	6.39	7.430	
ii)	Above 150 kWh	1792	7792.41	7.58	352.39		8.30	0.56	6.06	6.625	
	Sub Total	9903	22218.64	15.99		60		1.60	12.46	14.055	8.79
5	Non-Profit PP HT	65	12043.63	7.23		60	8.75	0.96	7.03	7.993	11.05
	Total Non-Profit PP	9968	34262.27	23.22				2.56	19.48	22.048	9.50
6	Commercial										
i)	First 150 kWh	11694	29007.46	19.01	135.43		8.20	2.78	15.58	18.369	
ii)	Above 150 kWh	3251	13935.62	27.22	697.76		8.45	1.34	22.86	24.193	
	Sub Total	14945	42943.08	46.23		80		4.12	38.44	42.562	9.21
7	Commercial HT	649	19820.01	17.79	2284.24	80	8.90	2.11	17.59	19.706	11.08
	Total Commercial	15594	62763.09	64.02				6.24	56.03	62.268	9.73
8	Public Lighting	833	1744.40	2.68		80	11.35	0.17	3.04	3.206	11.98
9	PWS LT	13	3144.99	0.54		90	11.10	0.34	0.60	0.942	17.35
10	PWS HT	79	38701.76	101.00		90	9.85	4.64	110.54	115.181	11.40
11	Agl LT	101	203.69	0.17		50	3.80	0.012	0.065	0.077	4.51
12	Agl HT	7	227.79	0.17		50	3.85	0.015	0.073	0.088	5.16
13	Industrial LT										
i)	First 400 kWh	969	4523.70	2.23	192.08		7.10	0.43	1.59	2.020	
ii)	Above 400 kWh	93	545.51	0.78	702.27		8.05	0.05	0.59	0.641	
	Total Industrial LT	1062	5069.21	3.02		80		0.49	2.17	2.661	8.82
14	Industrial HT (Opt-1)	30	10819.97	7.21	20031.03	80	9.05	1.15	7.25	8.405	11.66
	Industrial HT (Opt-2)	0	0.00	0.00	0.00	80	10.52	0.00	0.00	-	#DIV/0!
15	EV charging Stns (LT)	3	0.00	0.09		-	7.26	0.00	0.07	0.0682	7.26
16	EV charging Stns (HT)	2	0.00	0.06		-	7.26	0.00	0.05	0.0505	8.07
17	Bulk Supply HT	144	15958.46	12.08		90	6.85	1.92	9.19	11.107	9.20
	Grand Total	325748	536250	553.14				39.54	383.50	423.036	7.65

Annexure-IV

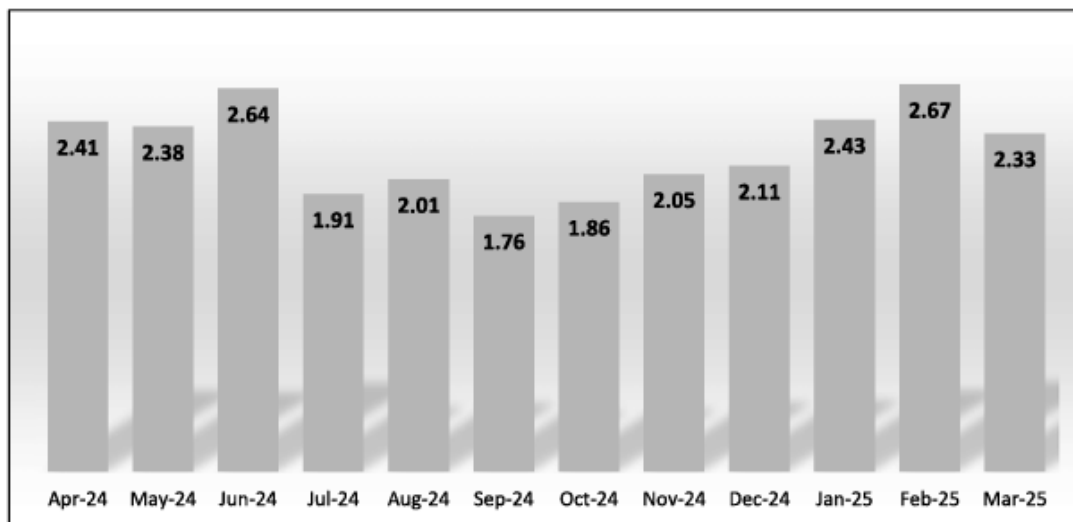
Commission Approved Expected Revenue from Full Cost Tariffs (No Subsidy) w.e.f 1.04.2026 in FY 2026-27											
Sl. No.	Consumer Category (P&ED)	Consumers	Connected Load (in kW)	Annual Sales (in MU)	Sales/ Consumer /Month (in kWh)	Fixed Charge (₹/kW)	Energy Charge (₹/kWh)	Annual Revenue		Annual Revenue (₹ Crs)	Avg. per unit (₹/kWh)
								Fixed Charges (₹ Crs)	Energy Charge/ (₹ Crs)		
1	2	3	4	5	6	7	8	9	10	11=(9+10)	12=11/5
1	KJ(Domestic)					Conc/kW	(₹/kWh)	(₹/kWh)			
i)	First 20 kWh	11898	3660.02	3.20	22.43		6.70	0.36	2.145	2.501	
ii)	Above 20 kWh	5144	1701.23	2.63	42.67		9.32	0.15	2.131	2.286	
	Sub Total	17042	5361.25	5.84		25		0.5113	4.276	4.787	8.20
2	Domestic					₹/CL/kW	(₹/kWh)				
i)	First 100 kWh	184480	198127.65	161.94	73.15		7.67	11.89	124.20	136.083	
ii)	101 - 200 kWh	55224	77454.21	93.57	141.20		14.61	4.65	90.71	95.354	
iii)	Above 200 kWh	41157	80352.87	75.81	153.50		14.71	4.82	76.24	81.066	
	Sub Total	280861	355934.72	331.33		50		21.3561	291.15	312.503	9.43
3	Domestic HT	9	2058.37	1.72		50	10.33	0.1372	1.97	2.111	12.28
	Total Domestic	297912	363354.34	338.89				22.0046	297.40	319.401	9.43
4	Non-Profit Public										
i)	First 150 kWh	8111	14426.23	8.41	86.41		8.43	1.04	7.09	8.132	
ii)	Above 150 kWh	1792	7792.41	7.58	352.39		9.21	0.56	6.73	7.290	
	Sub Total	9903	22218.64	15.99		60		1.60	13.82	15.422	9.65
5	Non-Profit PP HT	65	12043.63	7.23		60	9.04	0.96	7.26	8.225	11.38
	Total Non-Profit PP	9968	34262.27	23.22				2.56	21.08	23.646	10.18
6	Commercial										
i)	First 150 kWh	11694.0	29007.46	19.01	135.43		11.31	2.78	21.49	24.28	
ii)	Above 150 kWh	3251.0	13935.62	27.22	697.76		11.65	1.34	31.52	32.86	
	Sub Total	14945	42943.08	46.23		80		4.12	53.02	57.140	12.36
7	Commercial HT	649	19820.01	17.79	2284.24	80	8.71	2.11	17.21	19.322	10.86
	Total Commercial	15594	62763.09	64.02				6.24	70.23	76.462	11.94
8	Public Lighting	833	1744.40	2.68		80	11.72	0.17	3.14	3.306	12.35
9	PWS LT	13	3144.99	0.54		90	4.92	0.34	0.27	0.607	11.18
10	PWS HT	79	38701.76	101.00		90	10.58	4.64	118.68	123.322	12.21
11	Agl LT	101	203.69	0.17		50	11.01	0.012	0.189	0.201	11.72
12	Agl HT	7	227.79	0.17		50	9.28	0.015	0.177	0.192	11.19
13	Industrial LT										
i)	First 400 kWh	969	4523.70	2.23	192.08		9.59	0.43	2.14	2.58	
ii)	Above 400 kWh	93	545.51	0.78	702.27		10.29	0.05	0.77	0.83	
	Total Industrial LT	1062	5069.21	3.02		80		0.49	2.92	3.402	11.28
14	Industrial HT (Opt-1)	30	10819.97	7.21	20031.03	80	9.68	1.15	7.75	8.91	12.35
	Industrial HT (Opt-2)	0	0.00	0.00	0.00	80	0.00	0.00	0.00	-	0.00
15	EV charging Stns (LT)	3	0.00	0.094		0	7.26	0.00	0.07	0.068	7.26
16	EV charging Stns (HT)	2	0.00	0.063		0	7.26	0.00	0.05	0.051	8.07
17	Bulk Supply HT	144	15958.46	12.077		90	9.74	1.92	13.07	14.99	12.41
	Grand Total	325748	536250	553.14				39.54	535.01	574.55	10.39

Annexure-V

Abstract of Full Cost Tariff, Subsidised Tariff and Category wise subsidy allocated in FY2026-27												
P&ED Department (FY 2026-27)		Energy	Full Cost Tariff				Subsidised Tariff				Govt. Subsidy	
		Annual Sales (MU)	Fixed Charge	Energy Charge	Annual Revenue (Cr\$)	Avg. per unit (Cr\$/kWh)	Fixed Charge	Energy Charge	Annual Revenue (Cr\$)	Avg. per unit (Cr\$/kWh)	Subsidy Amount (Cr\$)	Avg. per unit (Cr\$/kWh)
1	KJ(Domestic)		Conc/kW	(Cr\$/kWh)			Conc/kW	(Cr\$/kWh)				
i)	First 20 kWh	3.20	25	6.70	2.50	7.81	25	2.55	1.173	3.66	1.33	4.15
ii)	Above 20 kWh	2.63	25	9.32	2.29	8.68	25	3.55	0.966	3.67	1.32	5.01
	Sub Total	5.84			4.79	8.20			2.139	3.67	2.65	4.54
2	Domestic		(Cr\$/kWh)	(Cr\$/kWh)			(Cr\$/kWh)	(Cr\$/kWh)				
i)	First 100 kWh	161.94	50	7.67	136.08	8.40	50	4.90	91.24	5.63	44.84	2.77
ii)	101 - 200 kWh	93.57	50	14.61	95.35	10.19	50	7.10	56.51	6.04	38.85	4.15
iii)	Above 200 kWh	75.81	50	14.71	81.07	10.69	50	8.20	45.26	5.97	35.81	4.72
	Sub Total	331.33			312.50	9.43			193.00	5.83	119.50	3.61
			(Cr\$/kVA/BD)	(Cr\$/kVAh)			(Cr\$/kVA/BD)	(Cr\$/kVAh)				
3	Domestic HT	1.72	50	10.33	2.11	12.28	50	8.65	1.79	10.41	0.32	1.87
	Total Domestic	338.89			319.40	9.43			196.93	5.81	122.47	3.61
4	Non-Profit Public Service		(Cr\$/kWh)	(Cr\$/kWh)			(Cr\$/kWh)	(Cr\$/kWh)				
i)	First 150 kWh	8.41	60	8.43	8.13	9.67	60	7.60	7.43	8.84	0.70	0.83
ii)	Above 150 kWh	7.58	60	9.21	7.29	9.62	60	8.30	6.62	8.74	0.67	0.88
	Sub Total	15.99			15.42	9.65			14.06	8.79	1.37	0.85
5	Non-Profit PP- HT	7.23	60	9.04	8.22	11.38	60	8.75	7.99	11.05	0.23	0.32
	Total Non-Profit PP	23.22	(Cr\$/kVA/BD)	(Cr\$/kVAh)	23.65	10.18	(Cr\$/kVA/BD)	(Cr\$/kVAh)	22.05	9.50	1.60	0.69
6	Commercial		(Cr\$/kWh)	(Cr\$/kWh)			(Cr\$/kWh)	(Cr\$/kWh)				
i)	First 150 kWh	19.01	80	11.31	24.28	12.77	80	8.20	18.37	9.67	5.91	3.11
ii)	Above 150 kWh	27.22	80	11.65	32.86	12.07	80	8.45	24.19	8.89	8.67	3.18
	Sub Total	46.23			57.14	12.36			42.56	9.21	14.58	3.15
7	Commercial HT	17.79	80	8.71	19.32	10.86	80	8.90	19.71	11.08	-0.38	-0.22
	Total Commercial	64.02	(Cr\$/kVA/BD)	(Cr\$/kVAh)	76.46	11.94	(Cr\$/kVA/BD)	(Cr\$/kVAh)	62.27	9.73	14.19	2.22
			(Cr\$/kWh)	(Cr\$/kWh)			(Cr\$/kWh)	(Cr\$/kWh)				
8	Public Lighting	2.68	80	11.72	3.31	12.35	80	11.35	3.21	11.98	0.10	0.37
9	PWS LT	0.54	90	4.92	0.61	11.18	90	11.10	0.94	17.35	-0.34	-6.18
10	Agl LT	0.17	50	11.01	0.20	11.72	50	3.80	0.08	4.51	0.12	7.21
			(Cr\$/kVA/BD)	(Cr\$/kVAh)			(Cr\$/kVA/BD)	(Cr\$/kVAh)				
11	PWS HT	101.00	90	10.58	123.32	12.21	90	9.85	115.18	11.40	8.14	0.81
12	Agl HT	0.17	50	9.28	0.19	11.19	50	3.85	0.09	5.16	0.10	6.03
13	Industrial LT		(Cr\$/kWh)	(Cr\$/kWh)			(Cr\$/kWh)	(Cr\$/kWh)				
i)	First 400 kWh	2.23	80	9.59	2.58	11.53	80	7.10	2.02	9.04	0.56	2.49
ii)	Above 400 kWh	0.78	80	10.29	0.83	10.56	80	8.05	0.64	8.18	0.19	2.38
	Total Industrial LT	3.02		(Cr\$/kVA)	3.40	11.28			2.66	8.82	0.74	2.46
			(Cr\$/kVA/BD)	(Cr\$/kVAh)			(Cr\$/kVA/BD)	(Cr\$/kVAh)				
14	Industrial HT (Opt-1)	7.21	80	9.68	8.91	12.35	80	9.05	8.41	11.66	0.50	0.69
	Industrial HT (Opt-2)	0.00	80	0.00	0.00	#DIV/0!	80	10.52	0.00	#DIV/0!	0.00	#DIV/0!
	EV charging Stns (LT)	0.09	75	7.26	0.07	7.26	75	7.26	0.07	7.26	0.00	0.00
	EV charging Stns (HT)	0.06	75	7.26	0.05	8.07	75	7.26	0.05	8.07	0.00	0.00
15	Bulk Supply HT	12.08	90	9.74	14.99	12.41	90	6.85	11.11	9.20	3.88	3.21
		553.14			574.55	10.39			423.04	7.65	151.36	2.74
	CL- denotes Contracted Load	BD- denotes Billing Demand										

NER Losses indicated in their Compendium for FY 2024-25**CH-5: MARKET OPERATIONS****REGIONAL TRANSMISSION LOSS OF NER DURING FY 2024-25**

MONTHLY AVERAGE REGIONAL TRANSMISSION LOSS IN %:

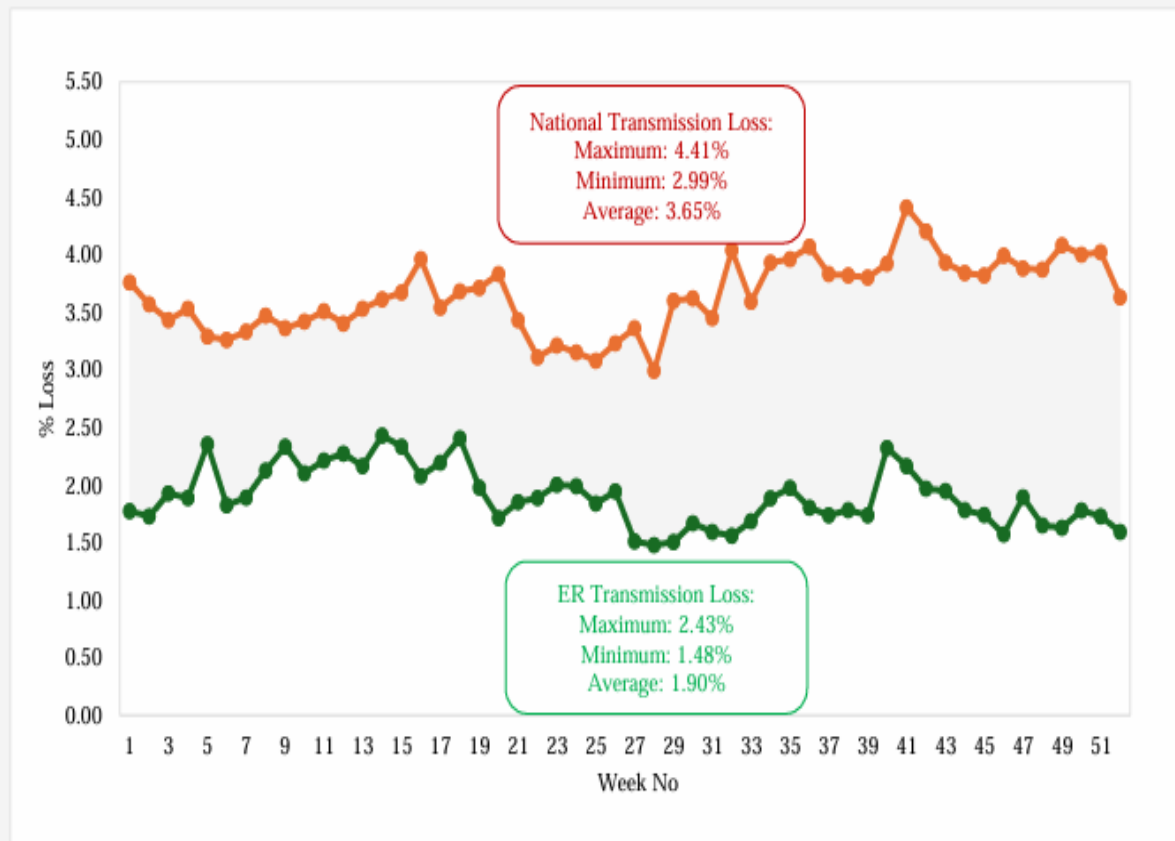


Average Regional Transmission Loss for FY 2024-25 is 2.21%

Annexure-VII

Eastern Region Losses as per their Annual Compendium for FY 2024-25

6.6 National vs Regional % Transmission loss



Annexure-VIII

IMMEDIATE

**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT**

No. B-19018/9/2024-P&E : **Aizawl, the 19th December, 2025**

To,

✓
The Engineer-in-Chief,
Power & Electricity Department,
Mizoram: Aizawl.

**Subj : Filing of Tariff Petition for FY 2026-2027, True up petition of
FY 2024-2025 and APR for the FY 2025-2026.**

Ref : No.T.23012/04/2025-EC(P)/Com/12 dt.10.12.2025

Sir,

With reference to the above, I am directed to convey concurrence of Finance Department, Govt. of Mizoram vide I.D. No. FIN(EA)- 292/25-26 dt.17.12.2025 as reproduced below, for your information and immediate necessary action:

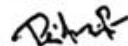
"Concurrence of Finance Department (EA) is hereby conveyed for the Draft Petition for the FY 2026-2027, True Up Petition of FY 2024-2025 and APR for FY 2025-2026 is hereby returned vetted with a condition that the State Government may pay the Revenue Gap for 2026-2027 amounting to ₹. 175 Crore as subsidy or 22.99% of the approved Annual Revenue Requirement whichever is less".

This issues with the approval of the Hon'ble Chief Minister, Mizoram dated 16.12.2025.

One copy of the above Petition is enclosed herewith.

Yours faithfully,

Encls: As above


(LALRINAWMA)

Under Secretary (Tech) to the Govt. of Mizoram
Power & Electricity Department

Annexure-IX

P&ED- FY2026-27 - Revenue Realisable with TOD based Tariff

Sl. No.	Category	Number of Consumers	Conn. Load (in kW)	Annual Sales (in MU)	Fixed Charge (kW/kVA)	Energy Charge (kWh/ kVAh)	Yearly Revenue (₹.Cr.)	Energy Charge	Total = (FC+VC)	CU (₹/kWh)
1	2	3	4	5	6	7	8	9	10	11
1	KJ(Domestic)									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	17042		1.01	25	2.45		0.25		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	17042		3.83	25	3.10		1.19		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	17042		1.00	25	1.95		0.19		
	Sub Total	17042	5361.25	5.84	25		0.51	1.63	2.14	3.67
2	Domestic-LT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	280861		145.02	0	5.00		72.55		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	280861		99.40	0	6.35		63.12		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	280861		86.92	0	3.85		33.48		
	Sub Total	280861	355934.72	331.33	50		21.36	169.15	190.51	5.75
3	Domestic-HT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	9		0.86	0	7.80		0.75		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	9		0.60	0	10.00		0.67		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	9		0.26	0	6.10		0.17		
	Sub Total	9	2058.37	1.720	50		0.14	1.59	1.73	10.04
4	Non-Profit Public Purpose-LT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	9903		6.40	0	6.95		4.45		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	9903		8.79	0	8.90		7.83		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	9903		0.80	0	5.40		0.43		
	Sub Total	9903	22218.64	15.988	60		1.60	12.70	14.30	8.95
5	Non-Profit Public Purpose-HT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	65		2.89		8.45		2.72		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	65		3.98		10.80		4.77		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	65		0.36		6.60		0.27		
	Sub Total	65	12043.63	7.230	60		0.96	7.75	8.72	12.06
6	Commercial-LT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	14945		23.11		7.10		16.41		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	14945		21.26		9.10		19.35		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	14945		1.85		5.55		1.03		
	Sub Total	14945	42943.08	46.226	80		4.12	36.78	40.90	8.85
7	Commercial-HT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	649		8.89		8.60		8.50		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	649		8.18		11.00		10.00		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	649		0.71		6.70		0.53		
	Sub Total	649	19820.01	17.79	80		2.11	19.03	21.14	11.89
8	Public Lighting									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	833		0.00		8.80		0.00		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	833		1.47		11.25		1.66		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	833		1.20		6.85		0.83		
	Sub Total	833	1744.40	2.677	80		0.17	2.48	2.65	9.90
9	PWS LT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	13		0.33		8.60		0.28		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	13		0.22		11.00		0.24		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	13		0.00		6.70		0.00		
	Sub Total	13	3144.99	0.543	90		0.34	0.52	0.86	15.81
10	PWS HT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	79		55.55		8.80		54.28		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	79		45.45		11.25		56.81		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	79		0.00		6.85		0.00		
	Sub Total	79	38701.76	101.00	90		4.64	111.10	115.74	11.46
11	Irrgn & Agri - LT	101	203.69	0.17	50	3.80	0.012	0.07	0.08	4.51
12	Irrgn & Agri - HT	7	227.79	0.17	50	3.85	0.015	0.07	0.09	5.16
13	Industrial-LT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	1062		1.21		7.00		0.84		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	1062		0.91		8.95		0.81		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	1062		0.91		5.45		0.49		
	Sub Total	1062	5069.21	3.017	80		0.49	2.15	2.64	8.73
14	Industrial-HT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	30		2.88		9.05		2.90		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	30		2.16		11.40		2.74		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	30		2.16		7.05		1.69		
	Sub Total	30	10819.97	7.211	80		1.15	7.33	8.49	11.77
15	Bulk Supply HT									
i)	From 06:00 Hrs. upto 17:00 Hrs. (Normal TOD)	149		4.89		7.70		4.19		
ii)	From 17:00 Hrs. upto 22:00 Hrs. (Peak TOD)	149		4.89		9.70		5.27		
iii)	From 22:00 Hrs. upto 6:00 Hrs. (Off-Peak TOD)	149		2.29		6.15		1.56		
	Sub Total	149	15958.46	12.077	90		1.92	11.02	12.94	10.71
16	Electric Vehicle Charging Station (LT)									
	From 9.00 Hrs upto 16.00Hrs (Solar Hour)									
	From 16.00 Hrs upto 09.00Hrs (Non-Solar Hrs)	3		0.094		7.26		0.07	0.07	
17	Electric Vehicle Charging Station (HT)									
	From 9.00 Hrs upto 16.00Hrs (Solar Hour)									
	From 16.00 Hrs upto 09.00Hrs (Non-Solar Hrs)	2		0.063		7.26		0.05	0.05	
	Grand Total	325753	536249.97	553.14			39.54	383.50	423.04	7.65

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REC Limited | आर ई सी लिमिटेड
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 Corporate Office: REC World Headquarters, Plot No. 1-4,
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 CIN : L40101DL1969GOI005095 | GST No.: 06AAACR4512R3Z3

REC/RDSS/Mizoram/2022-23/68

Date: 14th July, 2022

The Commissioner cum Secretary (Power)
Government of Mizoram
 Kawlphetha Building, New Secretariat Complex,
 Khatla, Aizawl, Mizoram.

Sub: Approval of Action plan and DPR of Mizoram Power and Electricity Department for the State of Mizoram under Revamped Distribution Sector Scheme (RDSS) - Revised Sanction Letter.

Sir,

1. This is to inform that Monitoring Committee for RDSS constituted under Chairmanship of Secretary (Power), Govt. of India, in its 6th meeting held on 04.03.2022, has approved the Action Plan and Loss Reduction DPR of Mizoram Power and Electricity Department, under Revamped Distribution Sector Scheme (RDSS) as per below mentioned details:
 - a. Results Evaluation Matrix for Mizoram Power and Electricity Department.
 - b. Detailed Project Report (DPR) for Smart Metering works with total project cost of Rs. 178.92 crores with Gross Budgetary Support (GBS) of Rs. 40.26 crores. PMA charges of Rs. 1.01 crores with GBS of Rs. 0.90 crores.
 - c. DPR for Infrastructure works – Loss Reduction with item of works and quantity. The cost for the Loss reduction works shall be communicated separately after approval by Monitoring Committee.
2. Subsequently, Monitoring Committee for RDSS in its 10th meeting held on 10.06.2022 has approved Financial Sanction of Loss Reduction DPR of Mizoram Power and Electricity Department under RDSS as per below mentioned details:
 - a. DPR for Infrastructure works - Loss reduction works with total project cost of Rs. 233.82 Crore with GBS of Rs. 210.44 Crore.
 - b. PMA charges of Rs. 3.51 Crore for Infrastructure Works - Loss Reduction with GBS of Rs. 3.16 Crore.
3. Accordingly, the revised sanction letter is being issued based on the 6th & 10th Monitoring Committee approvals as per below mentioned details:
 - a. Results Evaluation Matrix for Mizoram Power and Electricity Department as enclosed at **Annexure-A** along with pre-qualifying criteria.
 - b. DPR for Smart metering works with total Project Cost of Rs. 178.92 crores with GBS of Rs. 40.26 crores excluding incentive for Phase-I as per details in **Annexure-B**.
 - c. DPR for Infrastructure works - Loss reduction works with total project cost of Rs. 233.82 Crore with GBS of Rs. 210.44 Crore as per details in **Annexure-C**.
 - d. PMA charges of Rs. 1.01 Crore for Smart Metering works and Rs. 3.51 Crore for Infrastructure Works - Loss Reduction with GBS of Rs. 0.90 Crore and Rs. 3.16 Crore respectively as per details in **Annexure-D**.
4. **This revised sanction letter supersedes the earlier sanction letter issued vide letter no. REC/RDSS/Mizoram/21-22/178 dated 22.04.2022.**

Regional Offices: Bengaluru, Bhopal, Bhubaneswar, Chennai, Dehradun, Guwahati, Hyderabad, Jaipur, Jammu, Kolkata, Lucknow, Mumbai, Panaji, Patna, Raipur, Ranchi, Shimla, Thiruvananthapuram & Vijaywada

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5. Funding Pattern:

- a. The funding Pattern for the State of Mizoram is a given below:

Item Description	GBS % (Max)
Prepaid Smart metering solution including at consumer, DT, and feeder level including integration of existing infrastructure	22.5% of the approved cost of metering including the operational cost, provided that it is not more than Rs. 1350 per meter for consumer metering only
Distribution Infrastructure works	90% the approved cost of Distribution infrastructure works
PMA Charges for Metering and Infrastructure works	90% of the approved cost of PMA

- b. The project cost approved by the Monitoring Committee or actual cost incurred whichever is less, shall be the eligible cost for determining the grant under the scheme for Infrastructure works and PMA Components. Any cost overrun after approval of the project (by Monitoring Committee) due to any reason whatsoever shall not be eligible for any grant and shall be borne by the DISCOM/respective State Government.
- c. The release of GBS by Government of India will be subject to prescribed scheme guidelines and would be contingent to award of prepaid smart metering works & its satisfactory progress.
6. The terms and conditions of the sanction are as given below:
- a. Mizoram Power and Electricity Department to ensure implementation of the scheme in accordance with all the prescribed scheme guidelines including SBDs including appointment of PMA through Tendering.
- b. The sanction is subject to implementation of SOP by DISCOM as enclosed in **Annexure-E**.
- c. **Smart Metering works:**
- Funding under Metering component will be available only to Prepaid smart meters operating in prepayment mode for consumers, and in accordance with the uniform approach indicated by the Central Government, with implementation in OPEX/TOTEX mode.
 - Mizoram Power and Electricity Department to submit the plan and timelines for completing Smart Metering works being undertaken through State funding to REC. Mizoram Power and Electricity Department to ensure that MoP timelines for completing Smart Metering (both Consumer and System metering) are adhered to and all consumers in the State/ DISCOM area are covered under Smart Metering within these timelines as per scheme guidelines.
 - Smart Meters to be installed in prepaid mode only through OPEX/TOTEX arrangement, to avail GoI Grant under the scheme.
 - A feeder and DT level automated online energy accounting system shall be put in place.
 - All feeders are to be metered with communicable & AMI/AMR meters by 31st December 2022, and shall be integrated with the National Feeder Monitoring System (NFMS) proposed to be put in place shortly.
 - Mizoram Power and Electricity Department to complete 100% DT metering in Phase-I areas by March 2023 and in remaining areas by December 2023 to facilitate energy accounting.
 - Mizoram Power and Electricity Department while implementing the prepaid smart metering projects, shall ensure that the remotely readable metering at DT level; Consumer indexing; integration of feeder level data; and the consumer billing database under the AMI contracts are prioritised to be completed latest by March 2023.
 - Prepaid Smart Meters may be installed outside the consumer premises, may be pole mounted, ground mounted panels, incoming service cables that may be armoured etc.
- d. **Infrastructure Works & PMA Charges:**
- Agricultural Feeder segregation should be considered on priority under the loss reduction part of DPR.

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- ii. All feeders segregated for Agriculture should be solarized under the PM- KUSUM scheme of MNRE or any other similar scheme of State Government.
- iii. Discom to carry out feeder level analysis to identify high loss feeders for reduction of losses through appropriate measures proposed in the DPR as early as possible but within three months of sanction and details of such feeders to be included in the DPR.
- iv. PMA charges over and above the permitted amount shall be borne by the respective DISCOM / State government.
- v. Also, services of PMA shall be retained up to completion of the project, without any financial implications beyond that already provided.
- vi. Delineation of DPRs of Infrastructure works sanctioned at DISCOM level to District level within 15 days of issue the sanction letter.
- vii. Mizoram Power and Electricity Department to carry out feeder level analysis to identify high loss feeders for reduction of losses through appropriate measures proposed in the DPR. The details of such feeders to be included in the DPR. Feeder level analysis should however be completed as early as possible but within three months of sanction.

The detailed terms & conditions of sanction letter is enclosed as **Annexure-F**.

7. Result Evaluation Matrix and pre-qualifying criteria:

- a. The AT&C losses and ACS-ARR Gap trajectories approved by Monitoring Committee are as given below:

Parameter	Units	Max marks	Base Year	Baseline values	Targets			
					FY 2022	FY 2023	FY 2024	FY 2025
ACS-ARR Gap (Cash adjusted)	Rs./ kWh	35	FY21 [FY20]	-0.75 [-1.05]	0.58	0.38	0.20	0.00
ACS-ARR Gap (Subsidy received excluding UDAY grants and Regulatory income)			FY21 [FY20]	-0.27 [-1.93]	0.58	0.38	0.20	0.00
<i>*Only for tracking</i>								
AT&C loss	%	25	FY21 [FY20]	29.05% [20.66%]	24.00%	21.00%	17.50%	14.00%

- b. Discom to mandatorily meet the pre-qualifying criteria and achieve the specified marks in the Evaluation Matrix based on which DPR for Modernisation & System Augmentation shall be sanctioned and grant for both loss reduction works (other than the advance for DPR for Loss Reduction) and for the Modernisation & System Augmentation works will be released.
- c. Mizoram Power and Electricity Department to ensure timely adoption of all suitable measures to meet the prequalifying criteria and to score at least 60% marks on the agreed Result Evaluation Matrix.
- d. If by the end of year 2025-26, the DISCOM is not eligible for release of any grant, the initial advance of 10% of the grant component of the cost of DPR for Loss Reduction will have to be refunded by the DISCOM.

8. Fund Management:

- a. As per the direction of the Department of Expenditure, Ministry of Finance, Govt. of India, Letter No. 26(118)/EMC Cell/2016 Dated 24.02.2022; funds will be released to the States/PIAs through Treasury Single Account (TSA) mechanism governed by the RBI w.e.f. 01.04.2022 and no separate Account in any scheduled commercial Bank will be opened and no diversion/parking of funds shall be permissible under the scheme, such that, the funds from DISCOMs shall be released through PFMS to its vendors/contractors.
- b. DISCOM shall submit utilization certificates (UC) for the funds released during the financial year in prescribed format latest by 30th April of succeeding year in addition to the UC along with every claim.

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- c. For release of funds under the Scheme, Discom has to ensure updation of baseline data, physical & financial progress, Quality Monitoring, Fund Management, Asset identification through Geo-tagging, outcomes and achievements for evaluation under Result Evaluation Framework, closure, etc on the digital platform to be developed by the Nodal Agencies.
- d. For works other than metering works under Part A, counterpart funding will be provided by the DISCOM/ State Government. If DISCOM takes loan for counterpart funding, such loan will be taken from REC and PFC only. Further, counterpart funding from bilateral/multilateral funding agencies can also be leveraged for which the Government of India would extend benefits of reduced Government Guarantee fee.
- e. In case loan component of the project cost is funded by the NBFCs under MoP, then in order to secure the loan, the existing TPA (Tri-partite Agreement) arrangement among Government of India, the State Government and the RBI shall be suitably amended to provide that the loan servicing payments in case of default can be recovered through RBI.
9. A Scheme Implementation Agreement will be signed between the Government of Mizoram, Mizoram Power and Electricity Department and Nodal Agency on behalf of Central Government within 30 days of issuance of sanction letter. Copy of approved agreement is enclosed as **Annexure-G**.
10. It is requested to kindly acknowledge and accept the sanction letter as per the acceptance letter enclosed as **Annexure-H**.

Yours Sincerely,


 14.7.22.
 (R. Lakshmanan)
 Executive Director

Enclosed: As Above.**Copy to:**

1. The Engineer In-Chief, Power & Electricity Department of Mizoram, Kawlphetha Building, Khatla, Aizawl- 796001
2. ED (SOP), REC
3. CPM, REC, RO- Guwahati.



MIZORAM ELECTRICITY REGULATORY COMMISSION

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