

**Revised**  
**Aggregate Revenue Requirement**  
**&**  
**Tariff Proposal**  
**for**  
**FY 2026-27**

**Submitted by: -**

**Madhya Pradesh Power Management Company Limited**  
**Shakti Bhawan, Vidyut Nagar, Jabalpur**



**Madhya Pradesh Poorv Kshetra Vidyut Vitaran Company Limited**  
**Block No. 7, Shakti Bhawan, Vidyut Nagar, Jabalpur**



**Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company Limited**  
**Bijlee Nagar Colony, Nishtha Parisar, Govindpura, Bhopal**



**Madhya Pradesh Pashchim Kshetra Vidyut Vitaran Company Limited**  
**GPH Compound, Polo Ground, Indore**



**BEFORE THE HON'BLE MADHYA PRADESH  
ELECTRICITY REGULATORY COMMISSION, BHOPAL**

Petition No. \_\_\_\_\_ of 2025

- (1) Madhya Pradesh Power Management Company Limited  
Shakti Bhawan, Vidyut Nagar, Jabalpur (MP) ----- **Petitioner**
- (2) Madhya Pradesh Poorv Kshetra Vidyut Vitaran Company Limited  
Shakti Bhawan, Vidyut Nagar, Jabalpur (MP) ----- **Petitioner**
- (3) Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Limited  
GPH, Polo Ground, Indore (MP) ----- **Petitioner**
- (4) Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company Limited  
Nishtha Parisar, Bijlee Nagar, Govindpura, Bhopal (MP) ----- **Petitioner**

**IN THE MATTER OF:**

**Filing of Petition for Determination of Revised ARR for FY 2026-27 and Tariff Proposal for Distribution & Retail Supply Business of Distribution licensees namely Madhya Pradesh Poorv Kshetra Vidyut Vitaran Co. Ltd. (East Discom), Madhya Pradesh Madhya Kshetra Vidyut Vitaran Co. Ltd. (Central Discom) & Madhya Pradesh Pashchim Kshetra Vidyut Vitaran Co. Ltd. (West Discom) and MP Power Management Co. Ltd. (MPPMCL) under the tariff principles laid down in the “Madhya Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021 dated 03<sup>rd</sup> December 2021” and its amendments thereof.**

The Petitioners respectfully submit as under: -

1. Madhya Pradesh Power Management Company Ltd., (hereinafter referred to as the 'Petitioner', MPPMCL, 'the Company' or 'the Licensee'), is a Company incorporated under the Companies Act, 1956 (now Companies Act 2013) and having its registered office at Block No.11, Shakti Bhawan, Vidyut Nagar, Jabalpur.
2. Madhya Pradesh Poorv Kshetra Vidyut Vitaran Company Ltd., (hereinafter referred to as the 'Petitioner', MPPKVVCL, 'the Company' or 'the Licensee' or 'East Discom'), Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Ltd., (hereinafter referred to as the 'Petitioner', MPPaKVVCL, 'the Company' or 'the Licensee' or 'West Discom'), Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company Ltd. (MPMKVVCL), (hereinafter referred to as the 'Petitioner', MPMKVVCL, 'the Company' or 'the Licensee' or 'Central Discom'), are Companies incorporated under the Companies Act, 1956 (now Companies Act 2013). Each of these Distribution Companies is a deemed licensee under the Fifth Proviso to Section 14 of the Electricity Act, 2003.
3. The registered offices and respective areas of supply of the three Discoms are as under:

- a. **MPPoKVVCL (East Discom):** Block No. 7, Shakti Bhawan, Vidyut Nagar, Jabalpur (M.P.); Area of supply — Jabalpur, Rewa, Sagar, and Shahdol Commissionaires.
  - b. **MPMKVVCL (Central Discom):** Nishtha Parisar, Bijlee Nagar Colony, Govindpura, Bhopal (M.P.); Area of supply — Bhopal, Gwalior, Hoshangabad, and Chambal Commissionaires.
  - c. **MPPaKVVCL (West Discom):** GPH, Polo Ground, Indore (M.P.); Area of supply — Indore and Ujjain Commissionaires
4. MPPMCL is the holding company for all three Distribution Companies (Discoms) of Madhya Pradesh. The Registrar of Companies, Madhya Pradesh, issued a Certificate of Incorporation reflecting the change of name on 10th April 2012. MPPMCL has been vested with several of the functions and powers earlier assigned to the erstwhile Madhya Pradesh State Electricity Board (MPSEB).
5. MPPMCL executed a Management and Corporate Functions Agreement on 5th June 2012 with the three Discoms, under which it was agreed that MPPMCL shall perform the following common functions, among others:
- a. Planning and management of long-term, medium-term, and short-term power procurement requirements in consultation with the Discoms;
  - b. Allocation of available power among the Discoms in accordance with tariff orders and Government of Madhya Pradesh notifications;
  - c. Economic, reliable, and cost-effective procurement of power on short-term, medium-term, and long-term basis, along with the sale of any surplus power for banking or revenue maximization purposes.
  - d. Finalization of Power Purchase Agreements (PPAs) as per applicable regulatory provisions;
  - e. Coordination of commercial, operational, and regulatory matters common to all Discoms; and
  - f. Inclusion of MPPMCL's expenses as part of the power purchase cost of the Discoms.
6. GoMP has entrusted the MPPMCL with the responsibility inter alia of representing the Discoms before the Commission with regard to filing the tariff petition and facilitating all proceedings thereon. The Management and Corporate functions agreement signed by the MPPMCL with the three Discoms of MP also provide for the same
7. On 3<sup>rd</sup> December 2021, the Hon'ble Commission notified the **“Madhya Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021 (Hereinafter referred to as "MPERC Tariff Regulations, 2021 or “Tariff Regulations, 2021”)**. These Regulations are applicable for determination of Tariff for the Control Period, from FY 2022-23 to FY 2026-27.
8. On 31<sup>st</sup> March 2022, the Hon'ble Commission issued Retail Supply Tariff Order for FY

2022-23 along with Aggregate Revenue Requirement (ARR) for entire Control Period (Hereinafter referred to as "MYT Order"), i.e., from FY 2022-23 to FY 2026-27 in accordance with Regulation 8.7 of Tariff Regulations, 2021.

9. The Regulation 7.2 of MPERC Tariff Regulations, 2021 allows the Licensees to file a revised ARR Petition and Tariff proposal. The Hon'ble Commission, based on the submission of the Petitioners, has issued a revised ARR and Tariff Order for FY 2023-24, FY 2024-25 and FY 2025-26.
10. Meanwhile, the Hon'ble Commission vide its notification dated 7<sup>th</sup> December 2023 had issued Second Amendment to MPERC Tariff Regulations, 2021 wherein revised AT&C (distribution loss) trajectory has been specified.
11. In view of the above, the present Petition is being filed by the Petitioners (MPPMCL, East Discom, Central Discom and West Discom) under Section 61 and Section 62 (1) (d) of the Electricity Act 2003, read with the "Madhya Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021" and its amendments thereof; for determination of the Revised ARR for FY 2026-27 and Tariff for distribution and Retail Supply Business for FY 2026-27.
12. The Revised ARR for FY 2026-27 & Tariff Proposal for FY 2026-27 has been prepared in accordance with the normative parameters and provisions as defined under Tariff Regulations 2021 and its amendments thereof. The Petitioners have endeavoured to comply with the various legal and regulatory directions and stipulations applicable, including the directions given by the Hon'ble Commission in the Business Rules of the Commission, the Guidelines, previous ARR and Tariff Orders to the possible extent on the basis of actual and reasonable assumptions and within the limitations of availability of data.
13. Based on the information available, the Petitioners have made sincere efforts to comply with the Regulations of the Hon'ble Commission and discharge its obligations to the best of its abilities and resources in its command. However, should any further material information or apparent error become obvious during the process of determination, the Petitioners may be permitted to file such additional information/amendment and consequently amend/ revise the petition.
14. In line with the Tariff Regulations 2021 and its amendment thereof, the Revised ARR estimated for the FY 2026-27 is shown below:

Sr. No	Particular	Unit	FY 2026-27			
			MP State	East	Central	West
<b>A</b>	<b>Revenue</b>					
1	Revenue from sale of power at current Tariffs	Rs Cr	59,331	16,826	18,810	23,694
<b>B</b>	<b>Expenditure</b>					
1	Purchase of Power	Rs Cr				
2	MPPMCL Cost	Rs Cr	42,197	11,019	11,286	19,892
3	Inter-State Transmission charges	Rs Cr				
4	Intra-State Transmission (MP Transco) Charges and SLDC Charges	Rs Cr	6,356	2,182	2,102	2,072

Sr. No	Particular	Unit	FY 2026-27			
			MP State	East	Central	West
5	R&M Expense	Rs Cr	1,320	522	488	310
6	Employee Expenses	Rs Cr	3,994	1,373	1,295	1,326
7	A&G Expense	Rs Cr	462	152	138	172
8	Depreciation and Related debits	Rs Cr	1,191	449	398	345
9	Interest & Finance Charges	Rs Cr	1,444	503	649	292
10	Other Debits, Write-offs (Prior period and bad debts), R&D Fund	Rs Cr	12	4	4	4
11	Lease charges for Smart Meters	Rs Cr	514	165	276	73
12	<b>Total Expenses</b>	<b>Rs Cr</b>	<b>57,490</b>	<b>16,370</b>	<b>16,635</b>	<b>24,485</b>
13	RoE	Rs Cr	862	313	351	199
14	<b>Total Expenses Including RoE</b>	<b>Rs Cr</b>	<b>58,352</b>	<b>16,682</b>	<b>16,986</b>	<b>24,684</b>
15	Other income	Rs Cr	793	354	138	300
<b>C</b>	<b>Total ARR</b>	<b>Rs Cr</b>	<b>57,559</b>	<b>16,328</b>	<b>16,848</b>	<b>24,384</b>
<b>D</b>	<b>Revenue Gap</b>	<b>Rs Cr</b>	<b>(1,771)</b>	<b>(498)</b>	<b>(1,963)</b>	<b>689</b>
1	Power Purchase Supplementary Cost Impact <sup>#</sup>	Rs Cr	3,451	983	1,114	1,353
2	#Impact of Discoms True Up	Rs Cr	4,365	1,229	2,764	371
<b>E</b>	<b>Total Revenue Gap (including true up)</b>	<b>Rs Cr</b>	<b>6,044</b>	<b>1,714</b>	<b>1,916</b>	<b>2,414</b>
<b>F</b>	<b>Total ARR including true up</b>	<b>Rs Cr</b>	<b>65,374</b>	<b>18,540</b>	<b>20,726</b>	<b>26,108</b>

<sup>#</sup>As per MP Discom True-up Petition filed for FY 2024-25

15. For the Distribution & Retail Supply Business of MP Discoms during FY 2026-27 the Petitioners have estimated a net revised ARR (including the available True-up's of MP Discoms) of Rs 65,374/- Crores for MP State, Rs.18,540/- Crores for East Discom, Rs 20,726/- Crores for Central Discom and Rs 26,108/- Crores for West Discom and a Revenue Gap of Rs 6,044/- Crores for MP State, Rs 1,714/- Crores for East Discom, Rs 1,916/- Crores for Central Discom and Rs 2,414/- Crores for West Discom respectively for FY 2026-27.
16. Shri Lokesh Malviya, General Manager (Revenue Management) of MPPMCL; Shri. Ashok Singh Dhurway, Chief General Manager (Commercial) of MPPoKVVCL; Shri. Dwarika Pd. Ahirwar, Chief General Manager (Regulatory Affairs) of MPMKVVCL and Shri. Akash Goyal, Deputy Director (Commercial) of MPPaKVVCL have been authorized to execute and file all the documents on behalf of the respective petitioner in this regard. Accordingly, the current petition filing is signed and verified by and backed by the affidavit of respective authorized signatories.

**PRAYER**

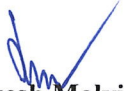
The Petitioners hereby prays to the Hon'ble Commission:


- a) To invoke the power conferred to it under Section 62 of the Electricity Act, 2003, and admit the Petition seeking approval of revised ARR for FY 2026-27 & Tariff Petition for FY 2026-27;
- b) To approve the net ARR of **Rs 65,374/- Crores** for **Discoms of MP**, **Rs. 18,540/- Crores** for **East Discom**, **Rs.20,726 /- Crores** for **Central Discom** and **Rs 26,108 /- Crores** for **West Discom** and a Revenue Gap of Rs 1,714/- Crores for East Discom, Rs 1,916/- Crores for Central Discom and Rs 2,414/- Crores for West Discom respectively, thus a collective gap of Rs 6,044/- Crores including the estimated gap of True-up for FY 2024-25 & claim for recovery of deferred supplementary power purchase cost of past period for all the Discoms of MP, for FY 2026-27;
- c) To approve the CAPEX and Capitalisation as proposed by the Petitioners;
- d) To consider the approach towards assessment of the Energy Availability, Energy Requirements, Energy Scheduling and hence, Power Purchase Cost on an Hourly basis as proposed in this Petition;
- e) To consider the impact of Technical Minimum Scheduling and factoring of Sale of Surplus power and Banking of Energy while determining the Energy Availability & Requirement and Power Purchase Cost for FY 2026-27 as proposed in this Petition;
- f) To approve the proposed Lease Charges and additional OPEX towards installation of Smart Meters under the schemes approved by the Hon'ble Commission;
- g) To consider and approve the recovery of Research and Development Fund while determine the ARR for FY 2026-27;
- h) To approve Cross Subsidy Surcharge (CSS) and all such other charges including Additional Surcharge (AS), Wheeling Charges (WC) and Wheeling Losses (WL) for Open Access consumers as proposed in this Petition;
- i) To approve the Green Energy Tariff for the purpose of Certification and provide necessary regulatory dispensation towards calculation of Green Energy Tariff for Renewable Consumption Obligation (RCO) of consumers as elaborated in this Petition;
- j) To consider the proposal towards introduction of kVAh based billing for HT category consumers;
- k) To approve the restructuring of Time-of-Day Tariff for HT consumers as proposed in this Petition;
- l) To approve the necessary modifications in the existing provisions of rebates/incentives as


proposed to be extended for eligible consumers for FY 2026-27;

- m) To approve the Merging of Sub-Categories/Slabs and Modifications under Terms & Conditions of Tariff as proposed in this Petition;
- n) To consider and approve the Petitioner's Tariff proposal for FY 2026-27 to recover the legitimate costs for the ensuing year;
- o) To grant other relief as the Hon'ble Commission may consider appropriate;
- p) To condone any inadvertent omissions/ errors/ shortcomings and permit the Petitioners to add/ change/ modify/ alter this filing and make further submissions as may be required at a later stage;
- q) To Pass such an order as the Hon'ble Commission deems fit and proper in the facts and circumstances of the case in the interest of justice.

Date: 28<sup>th</sup> November 2025

  
**Shri Lokesh Malviya**  
GM (Revenue Management)  
MP Power Management Co. Ltd.,  
Jabalpur

  
**Shri. Dwanika Pd. Ahirwar**  
CGM (Regulatory Affairs)  
MP Madhya Kshetra Vidyut Vitaran  
Co. Ltd, Bhopal

  
**Shri. Ashok Singh Dhurway**  
CGM (Commercial)  
MP Poorv Kshetra Vidyut Vitaran  
Co. Ltd, Jabalpur

  
**Shri. Akash Goyal**  
Dy. Director (TRAC)  
MP Paschim Kshetra Vidyut Vitaran  
Co. Ltd, Indore

## TABLE OF CONTENTS

A1:	CONTENTS OF THIS PETITION AND METHODOLOGY ADOPTED IN FILING OF THIS PETITION .....	13
A2:	REGULATORY REQUIREMENT OF FILING OF THIS PETITION.....	15
A3:	ESTIMATION OF SALES .....	16
A4:	ENERGY REQUIREMENT AT DISCOM BOUNDARY & EX-BUS REQUIREMENT .....	59
A5:	APPROACH FOR ENERGY FORECAST AND POWER PURCHASE COST ESTIMATIONS .....	65
A6:	ASSESSMENT OF POWER PURCHASE COST .....	72
A7:	INCOME/EXPENSES OF MPPMCL .....	117
A8:	O&M EXPENSES - DISCOMS .....	123
A9:	INVESTMENT PLAN – DISCOMS .....	131
A10:	OTHER COSTS / INCOME - DISCOMS .....	136
A11:	AGGREGATE REVENUE REQUIREMENT .....	145
A12:	WHEELING CHARGES, CROSS SUBSIDY SURCHARGE AND ADDITIONAL SURCHARGE .....	148
A13:	VOLTAGE WISE COST OF SUPPLY .....	158
A14:	TARIFF PROPOSAL FOR FY 2026-27 .....	162
A15:	INTRODUCTION TO KVAH BASED BILLING TO HT CONSUMERS .....	167
A16:	GREEN ENERGY TARIFF .....	178
A17:	RESTRUCTURING OF TIME-OF-DAY FOR HT CONSUMERS.....	181
A18:	COMPLIANCE OF DIRECTIVES ISSUED IN TARIFF ORDER OF FY 2025-26	188
A19:	TARIFF SCHEDULES FOR LOW TENSION CONSUMERS .....	209
A20:	TARIFF SCHEDULES FOR HIGH TENSION CONSUMERS .....	236

## Notes and Abbreviations

### In this Petition:

✓ *All currency figures used in this Petition, unless specifically stated otherwise, are in ₹ Crores.*

Abbreviation	Full Description
<b>ARR</b>	Aggregate Revenue Requirement
<b>APTEL</b>	Appellate Tribunal for Electricity
<b>CAGR</b>	Compound Annual Growth Rate
<b>CERC</b>	Central Electricity Regulatory Commission
<b>CGS</b>	Central Generating Stations
<b>Co-gen</b>	Cogeneration Power Plant
<b>CPP</b>	Captive Power Plant
<b>EA – 2003</b>	The Electricity Act 2003
<b>EV</b>	Electric Vehicle
<b>FAR</b>	Fixed Asset Register
<b>FY</b>	Financial Year
<b>GFA</b>	Gross Fixed Assets
<b>GoMP</b>	Government of Madhya Pradesh
<b>GoI</b>	Government of India
<b>GSC</b>	Grid Support Charges
<b>HT/ HV</b>	High Tension/ High Voltage
<b>IPPs</b>	Independent Power Producers
<b>kV / KVA / kVAh</b>	Kilo Volt / Kilo Volt Ampere / Kilo Volt Ampere Hour
<b>kW</b>	Kilo Watt
<b>LT/LV</b>	Low Tension/ Low Voltage
<b>MoP</b>	Ministry of Power, Government of India
<b>MPSEB</b>	Madhya Pradesh State Electricity Board
<b>MPERC</b>	Madhya Pradesh Electricity Regulatory Commission
<b>MPMKVVCL/CZ</b>	Madhya Pradesh Madhya Kshetra Vidyut Vitran Company Limited/Central Zone
<b>MPPaKVVCL/WZ</b>	Madhya Pradesh Paschim Kshetra Vidyut Vitran Company Limited/West Zone
<b>MPPoKVVCL/EZ</b>	Madhya Pradesh Poorv Kshetra Vidyut Vitran Company Limited/East Zone
<b>MPPMCL</b>	Madhya Pradesh Power Management Company Limited
<b>MPPGCL</b>	Madhya Pradesh Power Generation Company Limited
<b>MPPTCL</b>	Madhya Pradesh Power Transmission Company Limited
<b>MU</b>	Million Units
<b>NCE / NCES</b>	Non-Conventional Energy Sources
<b>PGCIL</b>	Power Grid Corporation India Limited
<b>SOP</b>	Standard Operating Procedure
<b>SSGS</b>	State Sector Generating Stations
<b>SLDC</b>	State Load Dispatch Centre
<b>STOA</b>	Short Term Open Access
<b>TO</b>	Tariff Order
<b>WRLDC</b>	Western Regional Load Dispatch Committee
<b>WRPC</b>	Western Regional Power Committee

## List of Tables

TABLE 1: ENERGY SALES FOR LV 1 (MUs).....	18
TABLE 2: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	20
TABLE 3: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	20
TABLE 4: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	21
TABLE 5 : ENERGY SALES FOR LV 2 (MUs) .....	21
TABLE 6: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	22
TABLE 7: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	23
TABLE 8: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	23
TABLE 9: ENERGY SALES FOR LV 3.1 & LV 3.2 (MUS) .....	24
TABLE 10: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	25
TABLE 11: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	25
TABLE 12: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	26
TABLE 13: ENERGY SALES FOR LV-4.1 (MUs) .....	26
TABLE 14: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	27
TABLE 15: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	28
TABLE 16: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	28
TABLE 17: ENERGY SALES FOR LV-4.2 (MUs) .....	29
TABLE 18: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	30
TABLE 19: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	30
TABLE 20: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	30
TABLE 21: ENERGY SALES FOR LV 5.1 (MUS).....	32
TABLE 22: PHASE WISE ASSESSMENT FOR UN-METERED TEMPORARY AGRICULTURE CONNECTIONS.....	35
TABLE 23: PHASE WISE ASSESSMENT FOR UNMETERED PERMANENT AGRICULTURE CONNECTIONS .....	35
TABLE 24: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	36
TABLE 25: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	37
TABLE 26: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	38
TABLE 27: ENERGY SALES FOR LV 5.2 (MUS).....	39
TABLE 28: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	39
TABLE 29: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	40
TABLE 30: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	40
TABLE 31: ENERGY SALES FOR LV 6 (MUS).....	41
TABLE 32: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	41
TABLE 33: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	41
TABLE 34: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	42
TABLE 35: ENERGY SALES FOR HV 1 (MUS) .....	42
TABLE 36: ENERGY SALES FOR HV 2 (MUS) .....	42
TABLE 37: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	43
TABLE 38: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	43
TABLE 39: ENERGY SALES FOR HV 3 (MUS) .....	44
TABLE 40: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	45
TABLE 41: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	46
TABLE 42: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	46
TABLE 43: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	46
TABLE 44: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	47
TABLE 45: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	47
TABLE 46: GROWTH PERCENTAGE ASSUMPTION FOR HV 3.4 EAST DISCOM .....	48

TABLE 47: GROWTH PERCENTAGE ASSUMPTION FOR HV 3.4 CENTRAL DISCOM.....	48
TABLE 48: GROWTH PERCENTAGE ASSUMPTION FOR HV 3.4 WEST DISCOM .....	49
TABLE 49: ENERGY SALES FOR HV 4 (MUS) .....	49
TABLE 50: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	50
TABLE 51: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	50
TABLE 52: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	50
TABLE 53: ENERGY SALES FOR HV 5 (MUS) .....	51
TABLE 54: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	51
TABLE 55: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	52
TABLE 56: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	52
TABLE 57: ENERGY SALES FOR HV 6 (MUS) .....	53
TABLE 58: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	53
TABLE 59: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	54
TABLE 60: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	54
TABLE 61: REQUIREMENT OF POWER FOR GENERATORS CONNECTED TO THE GRID (MUS) .....	55
TABLE 62: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	55
TABLE 63: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	55
TABLE 64: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	56
TABLE 65: ENERGY SALES FOR HV 8 (MUS) .....	56
TABLE 66: GROWTH PERCENTAGE ASSUMPTION EAST DISCOM.....	56
TABLE 67: GROWTH PERCENTAGE ASSUMPTION CENTRAL DISCOM.....	56
TABLE 68: GROWTH PERCENTAGE ASSUMPTION WEST DISCOM.....	57
TABLE 69: ENERGY SALES FOR HV 9 (MUS) .....	57
TABLE 70 : SUMMARY OF ENERGY SALES PROJECTIONS FOR FY 2026-27 (MU) .....	58
TABLE 71: MONTH WISE SALES PROFILE.....	59
TABLE 72: TRAJECTORY OF NORMATIVE DISTRIBUTION LOSSES (%).....	60
TABLE 73: MONTHLY ENERGY REQUIREMENT- DISCOM & EX-BUS (MUS) FOR FY 2026-27 (PROJECTED).....	64
TABLE 74: ACTUAL HOURLY DEMAND PROFILE OF FY 2024-25 (MUS) .....	67
TABLE 75: HOURLY DEMAND PROJECTIONS OF FY 2026-27 (MUS) .....	68
TABLE 76: HOURLY AVAILABILITY PROJECTIONS OF FY 2026-27 (MUS) .....	69
TABLE 77: DETAILS OF CAPACITY ADDITION WITH RESPECT TO SOLAR PROJECTS FOR FY 2026-27 .....	72
TABLE 78: DETAILS OF CAPACITY ADDITION WITH RESPECT TO HYDRO PROJECTS DURING FY 2026-27 .....	73
TABLE 79: ESTIMATED CONTRACTED CAPACITY – MP STATE FOR FY 2026-27 (EXISTING & NEW) .....	73
TABLE 80: EX-BUS AVAILABILITY (MUS) SOURCE-WISE FOR FY 2026-27.....	77
TABLE 81: PROJECTION OF HOURLY SCHEDULING OF SOLAR ENERGY FOR FY 2026-27 (MUS) .....	82
TABLE 82: PROJECTION OF HOURLY SCHEDULING OF WIND ENERGY FOR FY 2026-27 (MUS) .....	83
TABLE 83: PROJECTION OF HOURLY SCHEDULING OF OTHER MUST RUN ENERGY FOR FY 2026-27 (MUS) .....	84
TABLE 84: PROJECTION OF HOURLY SCHEDULING OF THERMAL ENERGY (TMM+MOD) FOR FY 2026-27 (MUS)....	84
TABLE 85: PROJECTION OF HOURLY SURPLUS/(DEFICIT) ENERGY FOR FY 2026-27 AT NORMATIVE LOSS LEVEL (MUS) .....	85
TABLE 86: PROJECTION OF HOURLY SURPLUS/(DEFICIT) ENERGY FOR FY 2026-27 AT PREVAILING LOSS LEVEL (MUS) .....	86
TABLE 87: ASSUMED MARKET RATE FOR FY 2026-27 (IN KWH).....	87
TABLE 88: ESTIMATED SURPLUS SALE ON HOURLY BASIS FOR FY 2026-27 (IN MUS) .....	87
TABLE 89: ESTIMATED REVENUE FROM HOURLY SALE OF SURPLUS POWER FOR FY 2026-27 (IN RS. CR).....	88
TABLE 90: ESTIMATED VARIABLE COST OF THE GENERATING STATIONS SUPPLYING SURPLUS POWER FOR FY 2026- 27 (IN RS. CR).....	88
TABLE 91: ESTIMATED NET SAVINGS ON ACCOUNT OF SALE OF SURPLUS POWER FOR FY 2026-27 (IN RS. CR).....	89
TABLE 92: PROJECTED INPUT ENERGY FOR RCO CALCULATIONS FOR FY 2026-27 .....	91

TABLE 93: PROJECTED RCO CALCULATION & SURPLUS UTILIZATION OF EAST DISCOM FOR FY 2026-27 .....	92
TABLE 94: PROJECTED RCO CALCULATION & SURPLUS UTILIZATION OF CENTRAL DISCOM FOR FY 2026-27 .....	92
TABLE 95: PROJECTED RCO CALCULATION & SURPLUS UTILIZATION OF WEST DISCOM FOR FY 2026-27.....	92
TABLE 96: BASIS FOR CONSIDERATION OF FIXED & VARIABLE CHARGES FOR FY 2026-27 .....	94
TABLE 97: MERIT ORDER DISPATCH FOR FY 2026-27 .....	102
TABLE 98: REVISED CLAIM OF STATION-WISE POWER PURCHASE COST FOR FY 2026-27 AGAINST APPROVED IN MYT ORDER.....	104
TABLE 99: TOTAL POWER PURCHASE COST FOR MP STATE FOR FY 2026-27.....	109
TABLE 100: INTER STATE TRANSMISSION CHARGES (RS CRORES) .....	112
TABLE 101: INTRA STATE TRANSMISSION CHARGES INCLUDING SLDC CHARGES FOR FY 2026-27 (RS CRORES) ...	112
TABLE 102: MPPMCL COST DETAILS FOR FY 2026-27 .....	113
TABLE 103: SUMMARY OF TOTAL POWER PURCHASE COST FOR FY 2026-27 .....	114
TABLE 104: SUMMARY OF MONTH WISE POWER PURCHASE COST FOR FY 2026-27.....	115
TABLE 105: PROJECTIONS OF MPPMCL COST FROM FY 2026-27(RS CRORES) .....	117
TABLE 106: OTHER INCOME DURING FY 2024-25 (RS CRORES) .....	118
TABLE 107: DETAILS OF LIABILITY FOR BANKING OF ENERGY FOR FY 2026-27 .....	119
TABLE 108: DETAILS OF DEPRECIATION FOR MPPMCL.....	121
TABLE 109: O&M EXPENSES APPROVED FOR FY 2026-27 IN MYT ORDER .....	124
TABLE 110: ESCALATION RATE FOR FY 2024-25 & FY 2025-26 (%) .....	126
TABLE 111: DEARNESS ALLOWANCE CONSIDERED (%).....	126
TABLE 112: DISCOM-WISE REVISED EMPLOYEE EXPENSES CLAIMED FOR FY 2026-27 (RS. CRORES).....	127
TABLE 113: REVISED EMPLOYEE EXPENSES CLAIMED FOR MP-STATE FOR FY 2026-27 (RS. CRORES).....	127
TABLE 114: DISCOM-WISE REVISED A&G EXPENSES CLAIMED FOR FY 2026-27 (RS. CRORES).....	128
TABLE 115: REVISED A&G EXPENSES CLAIMED FOR MP-STATE FOR FY 2026-27 (RS. CRORES) .....	128
TABLE 116: DISCOM-WISE REVISED R&M EXPENSES FOR FY 2026-27 (RS. CRORES) .....	128
TABLE 117: REVISED R&M EXPENSES CLAIMED FOR MP-STATE FOR FY 2026-27 (RS. CRORES).....	128
TABLE 118: ADDL. OPEX COST FOR DISCOMS FOR FY 2026-27 (RS. CRORES) .....	129
TABLE 119: DISCOM-WISE REVISED O&M EXPENSES FOR FY 2026-27 (RS. CRORES) .....	130
TABLE 120: REVISED O&M EXPENSES AT STATE LEVEL FOR FY 2026-27 (RS. CRORES).....	130
TABLE 121: CAPITAL EXPENDITURE PLAN FOR FY 2026-27 (RS. CRORES).....	132
TABLE 122: SCHEME WISE CAPITALIZATION FOR FY 2026-27 (RS. CRORES).....	132
TABLE 123: DISCOM WISE CAPITAL WORK IN PROGRESS (RS. CRORES) .....	132
TABLE 124: FIXED ASSETS ADDITION FOR FY 2026-27 (RS. CRORES).....	133
TABLE 125: DISCOM-WISE LEASE CHARGES TOWARDS SMART METERS FOR FY 2026-27 (RS. CRORES) .....	134
TABLE 126: SUMMARY OF TOTEX COST TOWARDS SMART METERS FOR FY 2026-27 – CENTRAL DISCOM.....	134
TABLE 127: SUMMARY OF TOTEX COST TOWARDS SMART METERS FOR FY 2026-27 – EAST DISCOM .....	135
TABLE 128: SUMMARY OF TOTEX COST TOWARDS SMART METERS FOR FY 2026-27 – WEST DISCOM .....	135
TABLE 129: DISCOM-WISE DEPRECIATION FOR FY 2026-27 (RS. CRORES).....	136
TABLE 130: DISCOM-WISE INTEREST ON PROJECT LOAN FOR FY 2026-27 (RS. CRORES) .....	137
TABLE 131: DISCOM-WISE INTEREST ON WORKING CAPITAL FOR FY 2026-27 (RS. CRORES) .....	138
TABLE 132: DISCOM-WISE INTEREST ON CONSUMER SECURITY DEPOSIT FOR FY 2026-27 (RS. CRORES).....	139
TABLE 133:DISCOM-WISE TOTAL INTEREST & FINANCE CHARGES FOR FY 2026-27 (RS. CRORES) .....	140
TABLE 134: REVISED INTEREST & FINANCE CHARGES CLAIMED FOR MP-STATE FOR FY 2026-27 (RS. CRORES)....	140
TABLE 135: DISCOM-WISE RETURN ON EQUITY FOR FY 2026-27 (RS. CRORES) .....	141
TABLE 136: SUMMARY OF RETURN ON EQUITY CLAIMED FOR MP-STATE FOR FY 2026-27 (RS. CRORES).....	142
TABLE 137: DISCOM-WISE PROVISION FOR BAD & DOUBTFUL DEBTS FOR FY 2026-27 (RS. CRORES) .....	142
TABLE 138: SUMMARY OF EXPENDITURE FOR R&D FUND CLAIMED FOR MP-STATE FY 2026-27 (RS. CRORES).....	143
TABLE 139: DISCOM-WISE OTHER INCOME & NON-TARIFF INCOME FOR FY 2026-27 (RS. CRORES) .....	144
TABLE 140: SUMMARY OF OTHER INCOME CLAIMED FOR MP-STATE FOR FY 2026-27 (RS. CRORES).....	144

TABLE 141: SUMMARY OF ARR FOR MPPMCL FOR FY 2026-27 (RS. CRORE).....	145
TABLE 142: SUMMARY OF ARR OF DISCOMS FOR FY 2026-27 (RS. CRORE).....	147
TABLE 143: WHEELING ARR FOR FY 2026-27 .....	148
TABLE 144: VOLTAGE LEVEL-WISE COST BREAK-UP OF SUB TRANSMISSION & DISTRIBUTION LINES .....	149
TABLE 145: VOLTAGE LEVEL-WISE COST OF TRANSFORMER.....	149
TABLE 146: IDENTIFICATION OF VALUE OF NETWORK AT DIFFERENT VOLTAGE LEVEL (RS. CRORE).....	150
TABLE 147: IDENTIFICATION OF NETWORK EXPENSES (WHEELING COST) AT DIFFERENT VOLTAGE LEVELS.....	150
TABLE 148: ENERGY WHEELED AT DIFFERENT VOLTAGE LEVELS (MU) .....	150
TABLE 149: ALLOCATION OF WHEELING COST OVER DISTRIBUTION SYSTEM USERS AT 33 kV .....	151
TABLE 150: ALLOCATION OF WHEELING COST OVER DISTRIBUTION SYSTEM USERS AT 11 kV .....	151
TABLE 151: WHEELING CHARGES AT DIFFERENT VOLTAGE LEVELS.....	151
TABLE 152: WEIGHTED AVERAGE COST OF POWER PURCHASE BY THE LICENSEE INCLUDING COST OF MEETING THE RENEWABLE PURCHASE OBLIGATION .....	153
TABLE 153: VOLTAGE-WISE LOSSES FOR FY 2026-27 .....	153
TABLE 154: TRANSMISSION CHARGES IN RS./KWH FOR FY 2026-27 .....	154
TABLE 155: AVERAGE BILLING RATE (ABR) FOR FY 2026-27 AT PROPOSED TARIFF (RS. /KWH).....	154
TABLE 156: ILLUSTRATIONS OF COMPUTATION OF COST FOR CROSS SUBSIDY SURCHARGE (RS. PER UNIT).....	155
TABLE 157: CATEGORY WISE CROSS SUBSIDY SURCHARGE AS PER ABOVE ILLUSTRATIONS (RS. PER UNIT) .....	156
TABLE 158: ADDITIONAL SURCHARGE FOR FY 2026-27 .....	156
TABLE 159: VOLTAGE WISE COST OF SUPPLY CALCULATION FOR MP STATE FOR FY 2026-27 .....	159
TABLE 160: CROSS-SUBSIDY BASED ON VOLTAGE-WISE COST OF SUPPLY FOR FY 2026-27 FOR MP STATE.....	159
TABLE 161: COMPARISON OF TARIFF V/S OVERALL AVERAGE COST OF SUPPLY .....	160
TABLE 162: SUMMARY OF PROPOSED TARIFF FOR FY 2026-27 (RS. CRORES).....	163
TABLE 163: CATEGORY-WISE PROPOSED REVENUE FOR FY 2026-27 (RS. CRORES).....	163
TABLE 164: DISCOM-WISE PROPOSED REVENUE FOR FY 2026-27 (RS. CRORES).....	164
TABLE 165: CALCULATION OF SUB-CATEGORY WISE ENERGY CHARGES IN RS./KVAH AS PER WEIGHTED AVERAGE CUM REVENUE NEUTRALIZE METHOD: EAST DISCOM .....	172
TABLE 166: CALCULATION OF SUB-CATEGORY WISE ENERGY CHARGES IN RS./KVAH AS PER WEIGHTED AVERAGE CUM REVENUE NEUTRALIZE METHOD : CENTRAL DISCOM .....	173
TABLE 167 : CALCULATION OF SUB-CATEGORY WISE ENERGY CHARGES IN RS./KVAH AS PER WEIGHTED AVERAGE CUM REVENUE NEUTRALIZE METHOD: WEST DISCOM.....	174
TABLE 168 : DISCOM WISE CONVERSION FACTOR FOR DETERMINATION OF ENERGY CHARGE IN RS./KVAH.....	176
TABLE 169: GREEN ENERGY CHARGES FOR CERTIFICATION PURPOSE FOR FY 2026-27 .....	180
TABLE 170: ESTIMATE CONTRIBUTION FROM MUST RUN SOURCES DURING FY 2026-27 (AT ACTUAL LOSSES) .....	183
TABLE 171: ESTIMATE CONTRIBUTION FROM MOD SOURCES DURING FY 2026-27 (AT ACTUAL LOSSES) .....	183
TABLE 172: VARIABLE CHARGE OF LAST MOD STATION SCHEDULED FOR FY 2026-27 (AT ACTUAL LOSSES) (IN RS./KWH) .....	184
TABLE 173: AVERAGE MCP OF IEX OVER PAST MONTHS (IN RS./KWH).....	185
TABLE 174: ACTUAL ToD SLOT WISE CONSUMPTION (MUS) & REBATE/SURCHARGE (RS. CR) PATTERN OF HT CATEGORY DURING FY 2024-25 .....	186
TABLE 175: REVISED TOD REBATE STRUCTURE AS PROPOSED FOR HT CATEGORIES FOR FY 2026-27 .....	187

## **A1: CONTENTS OF THIS PETITION AND METHODOLOGY ADOPTED IN FILING OF THIS PETITION**

### **1.1 Contents**

1.1.1 The contents of this Petition provide detailed rationale against individual elements constituting the ARR for FY 2026-27 & Tariff Proposal for FY 2026-27 based on Tariff Regulations, 2021 and its amendment thereof. The various elements explained in this Petition are as follows:

- a. Energy Sales
- b. Distribution Loss and Energy Requirement
- c. Approach for assessment of Energy Availability, Energy Requirement and Scheduling
- d. Assessment of Power Purchase Cost from various sources to meet the Energy Requirement
- e. Computation of Other Expenses
  - i. O&M Expenses
  - ii. Investment Plan
  - iii. Lease charges for Smart Meters
  - iv. Depreciation
  - v. Interest & Finance Charges
  - vi. Interest on Working Capital
  - vii. Interest on Security Deposit
  - viii. Return on Equity
  - ix. Bad Debts
  - x. MPPMCL Cost/ (Income)
  - xi. Other Expenses, if any
  - xii. Other Income & Non-Tariff Income
- f. Computation of Total ARR
- g. Computation of Category wise Revenue projection.
- h. Determination of Deficit/(Surplus) between Revenue and Expenses
- i. Wheeling Charges, Cross Subsidy Surcharge & Additional Surcharge
- j. Voltage wise Cost of Supply
- k. Tariff Proposal for FY 2026-27 and its Salient Features
- l. Introduction to kVAh Billing
- m. Green Energy Tariff
- n. Restructuring of ToD
- o. Compliance of Directives

## 1.2 **Methodology**

1.2.1 The Petitioners are submitting the revised ARR for FY 2026-27 & Tariff Proposal for FY 2026-27 on the basis of actual and reasonable assumptions within the purview of the Electricity Act, 2003, Tariff Regulations, 2021 and its amendment thereof. This Petition consists of details of projected expenditures envisaged by the Petitioners and details of expected revenue leading to revenue deficit/ (surplus) for the FY 2026-27. It is humbly requested to the Hon'ble Commission to approve the revised ARR for FY 2026-27 & Tariff Proposal for FY 2026-27 as claimed by the Petitioners in accordance with the applicable Regulations while issuing the Tariff Order for FY 2026-27.

### 1.3 **Unless otherwise specified, the years as mentioned below shall mean as under:**

- FY 2022-23 or FY 23 is from 01<sup>st</sup> April 22 to 31<sup>st</sup> March 23 (Actual)
- FY 2023-24 or FY 24 is from 01<sup>st</sup> April 23 to 31<sup>st</sup> March 24 (Actual)
- FY 2024-25 or FY 25 is from 01<sup>st</sup> April 24 to 31<sup>st</sup> March 25 (Actual)
- FY 2025-26 or FY 26 is from 01<sup>st</sup> April 25 to 31<sup>st</sup> March 26 (Revised Estimate)
- FY 2026-27 or FY 27 is from 01<sup>st</sup> April 26 to 31<sup>st</sup> March 27 (Projected)

## A2: REGULATORY REQUIREMENT OF FILING OF THIS PETITION

### 2.1 Regulations

Regulation 7.2 of Madhya Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021 dated 03<sup>rd</sup> December 2021 allows the Discoms to file a revised ARR Petition and Tariff Proposal for FY 2026-27. The relevant extract from the said Regulation is as extracted below:

*“7.2 The following Petitions for true-up, ARR & Tariff are to be filed by the Applicant under these Regulations:*

<i>Timelines</i>	<i>Scope of the Petition</i>
<i>30 November 2025</i>	<p><i>(a) True-up of FY 2024-25;</i></p> <p><i>(b) Revenue gap or revenue surplus for FY 2026-27 based on the Revised ARR and true-up for FY 2024-25;</i></p> <p><i>(c) Tariff proposals for FY 2026-27</i></p>

Based on the above, this Petition has been prepared based on the provisions of the MPERC (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021 dated 03<sup>rd</sup> December 2021- Applicable from FY 2022-23 to FY 2026-27 and its amendments thereof.

### **A3: ESTIMATION OF SALES**

#### **2.1 Sales forecast as projected by the Petitioners for FY 2026-27**

- 3.1.1 The Petitioners submit that, in accordance with Regulation 18 of the Tariff Regulations, 2021, the sales mix and quantum of sales are considered uncontrollable factors. This is because actual electricity consumption is influenced by various factors beyond the Licensee's control, such as economic conditions, weather variations, force majeure events like natural disasters, changes in consumption patterns, Government policies, and others.
- 3.1.2 The Hon'ble Commission, in its MYT Order dated 31<sup>st</sup> March 2021, approved sales projections for each year of the Control Period, covering FY 2022-23 to FY 2026-27. These approved sales estimates were based on data available prior to FY 2022-23. Subsequently, based on updated sales data, the Licensees approached the Hon'ble Commission during the annual tariff proceedings of past period to revise the sales projections, reflecting the latest trends in consumer sales, demand, and load for the respective years of the Control Period. Accordingly, the Hon'ble Commission, through its ARR Orders dated 6<sup>th</sup> March 2024 and 29<sup>th</sup> March 2025, approved revised sales figures for the third and fourth years of the Control Period, i.e., FY 2024-25 and FY 2025-26, respectively, based on the Petitioners' submissions.
- 3.1.3 Following the similar approach, the Petitioners have now revised the sales estimates for FY 2026-27, taking into account data from the past six years — FY 2019-20 through FY 2024-25 — as well as sales data for FY 2025-26 up to August 2025. This revision is essential to capture the latest trends in consumer sales, demand, and load, thereby enabling a more realistic forecast for FY 2026-27.
- 3.1.4 The distribution licensees have analyzed historical growth trends for each consumer category. The Petitioners submit that the historical trend method has proven to be a reasonably accurate and widely accepted approach for estimating load, number of consumers, and energy consumption. Further, as per Regulation 25.1 of the Tariff Regulations, 2021, category-wise and slab-wise sales are to be determined based on actual or audited data from the preceding three years. However, to enhance forecasting accuracy, the Petitioners have extended their analysis to include data from the past six years — FY 2019-20 to FY 2024-25 — along with sales data for FY 2025-26 up to August 2025.
- 3.1.5 Category wise and slab wise actual data of the sale of electricity, number of consumers, connected / contracted load, etc. as per the Annual R15 statement corresponding to said period are taken and Compounded Annual Growth Rates (CAGR) of sales have been computed from the past sales for each category and sub-category. The approach being followed is as under:

- (a) Analyse 5-year, 4-year, 3-year and 2-year CAGRs and Year-on-Year growth rate in Number of Consumers, Sales and Demand of each category and its sub-categories in respect of Urban & Rural consumers separately.

5 Year CAGR period: FY 2019-20 to FY 2024-25

4 Year CAGR period: FY 2020-21 to FY 2024-25

3 Year CAGR period: FY 2021-22 to FY 2024-25

2 Year CAGR period: FY 2022-23 to FY 2024-25

1 Year CAGR period: FY 2023-24 to FY 2024-25

- (b) After analysis of the data, appropriate / reasonable growth rates have been assumed for future consumer forecasts from the past CAGRs of the Category/Sub-category by the three Discoms.
- (c) During the analysis if an abnormal growth rate (high or low), relative to the current trend, is observed, then the same is normalized for the purpose of projection for ensuing year.
- (d) In cases where the past data shows a declining trend, a nil growth has been considered.
- (e) The growth rate assumed is then applied on sales per consumer / sales per kW and connected load while forecasting the connected load, number of consumer and sales in each category/sub-category.

3.1.6 The Petitioners have considered the specific consumption, i.e., consumption per consumer and / or consumption per unit load which is the basic forecasting variable and is widely used in load and energy sales forecasting. The basic intent in using this model is that the specific consumption per consumer and / or consumption per unit load captures the trends and variations in the usage of electricity over a growth cycle more precisely. This method has been recommended by the C.E.A. also.

3.1.7 The projections for each tariff category and the relevant assumptions of the three Discoms have been discussed in the following sections.

## 2.1 Category-wise sales Projection.

The methodology adopted by the petitioners for category-wise projection of sales for FY 2026-27 is elaborated in detail in the following paras:

### 3.2.1 LV-1: Domestic

#### Assumptions for Projecting Unmetered Domestic Sales

The projections for consumption of un-metered domestic connections, in this petition, have been considered as NIL for urban areas (since all domestic consumers in urban areas have been metered).

After factoring the growth in consumers, the following projections have been arrived at for LV-1 category:

**Table 1: Energy Sales for LV 1 (MUs)**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	0 - 30 units	25	27	28	20	21	22	19	19	19	64	67	69
Urban	31 - 50 units	53	56	60	38	40	42	43	43	42	134	139	144
Urban	51 -100 units	335	343	351	264	270	277	328	322	316	927	935	944
Urban	101 -200 units	851	908	968	1107	1188	1274	1078	1110	1142	3037	3205	3384
Urban	Above 200 units	1168	1166	1163	1733	1792	1853	1810	2043	2306	4711	5001	5322
Urban	Metered(SC/ST BPL)	116	120	124	79	79	79	78	78	78	273	277	281
Urban	Other unmetered	0	0	0	0	0	0	0	0	0	0	0	0
Urban	Temporary	36	40	42	41	50	60	65	74	84	142	164	187
<b>Urban</b>	<b>Total</b>	<b>2586</b>	<b>2659</b>	<b>2736</b>	<b>3310</b>	<b>3439</b>	<b>3607</b>	<b>3450</b>	<b>3689</b>	<b>3988</b>	<b>9346</b>	<b>9788</b>	<b>10331</b>
Rural	0 - 30 units	28	28	28	5	6	6	7	7	6	41	41	40

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Rural	31 - 50 units	61	61	61	12	14	15	14	13	12	87	87	88
Rural	51 -100 units	492	492	492	244	273	295	191	155	126	927	920	913
Rural	101 -200 units	1818	2050	2196	1898	1983	2033	1588	1747	1921	5304	5780	6150
Rural	Above 200 units	220	242	261	133	147	157	186	170	155	540	559	573
Rural	(SC/ST BPL)	1283	1345	1410	618	638	659	1392	1402	1412	3294	3385	3481
Rural	Other unmetered	166	163	163	150	117	117	11	8	8	327	287	287
Rural	Temporary	9	10	11	7	8	8	13	15	17	28	32	36
<b>Rural</b>	<b>Total</b>	<b>4077</b>	<b>4391</b>	<b>4622</b>	<b>3077</b>	<b>3185</b>	<b>3290</b>	<b>3422</b>	<b>3516</b>	<b>3657</b>	<b>10577</b>	<b>11092</b>	<b>11569</b>
Total	0 - 30 units	54	55	57	25	26	28	26	26	25	105	107	109
Total	31 - 50 units	114	117	121	50	53	57	57	56	54	222	227	232
Total	51 -100 units	827	835	844	508	543	572	519	477	442	1854	1856	1857
Total	101 -200 units	2670	2958	3163	3005	3171	3307	2666	2856	3063	8341	8985	9534
Total	Above 200 units	1388	1407	1424	1866	1939	2010	1996	2213	2462	5251	5559	5895
Total	Metered (SC/ST BPL)	1399	1465	1534	697	717	738	1470	1480	1490	3566	3662	3762
Total	Other unmetered	166	163	163	150	117	117	11	8	8	327	287	287
Total	Temporary	45	50	53	48	58	69	77	88	101	171	196	223
<b>Total</b>	<b>Total</b>	<b>6663</b>	<b>7050</b>	<b>7358</b>	<b>6387</b>	<b>6625</b>	<b>6897</b>	<b>6873</b>	<b>7205</b>	<b>7645</b>	<b>19923</b>	<b>20880</b>	<b>21900</b>

3.2.1.1 **East Discom**

The growth percentages assumed for the category for the FY 2026-27 are as shown below:

**Table 2: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Average Load (kW)		Average consumption per consumer per month	
0 - 30 units	0.0%	No Growth	1.0%	Nominal Growth	5.9%	1 Year Growth
31 - 50 units	0.0%	No Growth	2.7%	5 Year CAGR	6.1%	5 Year CAGR
51 -100 units	2.4%	5 Year CAGR	2.2%	2 Year CAGR	0.0%	No Growth
101 -200 units	6.6%	1 Year Growth	10.0%	Nominal Growth	0.0%	No Growth
Above 200 units	5.0%	Nominal Growth	10.0%	Nominal Growth	-5.0%	Nominal Growth
Metered (SC/ST BPL)	0.5%	3 Year CAGR	6.3%	2 Year CAGR	2.7%	2 Year CAGR
Other unmetered	0.0%	No Growth	0.0%	No Growth	0.0%	No Growth
Temporary	5.0%	Nominal Growth	10.0%	Nominal Growth	0.0%	No Growth

Rural						
Category	Consumers		Average Load (kW)		Average consumption per consumer per month	
0 - 30 units	0.0%	No Growth	1.6%	5 Year CAGR	0.0%	1 Year Growth
31 - 50 units	0.0%	No Growth	9.6%	5 Year CAGR	0.0%	5 Year CAGR
51 -100 units	0.0%	No Growth	10.0%	3 Year CAGR	0.0%	No Growth
101 -200 units	5.0%	Nominal Growth	10.0%	Nominal Growth	-	No Growth
Above 200 units	8.0%	Nominal Growth	10.0%	Nominal Growth	0.0%	Nominal Growth
Metered (SC/ST BPL)	0.3%	3 Year CAGR	3.4%	2 Year CAGR	4.5%	2 Year CAGR
Other unmetered	0.0%	No Growth	0.0%	No Growth	0.0%	No Growth
Temporary	12.0%	Nominal Growth	10.0%	Nominal Growth	0.0%	No Growth

3.2.1.2 **Central Discom**

The growth percentages assumed for the category for the FY 2026-27 are as shown below:

**Table 3: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Average Load (kW)		Average consumption per consumer per month	
0 - 30 units	5.00%	Nominal Growth	5.00%	Nominal Growth	0.00%	No Growth
31 - 50 units	4.57%	5 Year CAGR	5.53%	5 Year CAGR	0.00%	No Growth
51 -100 units	2.40%	5 Year CAGR	3.83%	5 Year CAGR	0.00%	No Growth
101 -200 units	2.20%	5 Year CAGR	4.10%	5 Year CAGR	4.98%	5 Year CAGR
Above 200 units	0.00%	No Growth	2.59%	2 Year CAGR	3.40%	2 Year CAGR
Metered (SC/ST BPL)	0.00%	No Growth	0.00%	No Growth	0.42%	2 Year CAGR
Other unmetered	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Temporary	10.00%	Nominal Growth	10.00%	Nominal Growth	10.00%	Nominal Growth

Rural						
Category	Consumers		Average Load (kW)		Average consumption per consumer per month	
0 - 30 units	2.29%	5 Year CAGR	5.00%	Nominal Growth	0.00%	No Growth
31 - 50 units	11.00%	5 Year CAGR	7.00%	Nominal Growth	0.00%	No Growth

Urban						
Category	Consumers		Average Load (kW)		Average consumption per consumer per month	
51 -100 units	10.00%	Nominal Growth	5.61%	5 Year CAGR	0.00%	No Growth
101 -200 units	0.00%	No Growth	0.00%	No Growth	-	5 Year CAGR
Above 200 units	0.00%	No Growth	0.00%	No Growth	-	2 Year CAGR
Metered (SC/ST BPL)	3.22%	2 Year CAGR	6.88%	3 Year CAGR	0.00%	2 Year CAGR
Other unmetered	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Temporary	15.00%	Nominal Growth	10.00%	Nominal Growth	0.00%	Nominal Growth

### 3.2.1.3 West Discom

The growth percentages assumed for the category for the FY 2026-27 are as shown below:

**Table 4: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Average Load (kW)		Average consumption per consumer per month	
0 - 30 units	-1.60%	2 Year CAGR	9.97%	5 Year CAGR	0.00%	No Growth
31 - 50 units	-1.03%	4 Year CAGR	3.86%	5 Year CAGR	0.00%	No Growth
51 -100 units	-1.91%	2 Year CAGR	-2.77%	5 Year CAGR	0.00%	No Growth
101 -200 units	1.85%	1 Year Growth	6.54%	5 Year CAGR	1.06%	1 Year Growth
Above 200 units	9.59%	5 Year CAGR	9.19%	5 Year CAGR	3.00%	1 Year Growth
Metered (SC/ST BPL)	0.00%	No Growth	10.49%	2 Year CAGR	0.27%	4 Year CAGR
Other unmetered	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Temporary	10.00%	Nominal Growth	10.00%	Nominal Growth	3.78%	1 Year Growth

Rural						
Category	Consumers		Average Load (kW)		Average consumption per consumer per month	
0 - 30 units	-5.50%	5 Year CAGR	-2.55%	5 Year CAGR	0.00%	No Growth
31 - 50 units	-9.73%	5 Year CAGR	-6.43%	5 Year CAGR	0.00%	No Growth
51 -100 units	-18.71%	4 Year CAGR	-18.91%	5 Year CAGR	0.00%	No Growth
101 -200 units	0.00%	No Growth	0.00%	No Growth	-	1 Year Growth
Above 200 units	0.00%	No Growth	0.00%	No Growth	-8.74%	1 Year Growth
Metered (SC/ST BPL))	0.71%	1 Year Growth	10.29%	3 Year CAGR	0.00%	4 Year CAGR
Other unmetered	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Temporary	15.00%	Nominal Growth	10.00%	Nominal Growth	0.00%	1 Year Growth

### 3.2.2 **LV-2: Non-Domestic**

The future projections for FY 2026-27 are as below:

**Table 5 : Energy Sales for LV 2 (MUs)**

Area	Sub-category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	0 - 50 units	34	36	38	28	29	31	33	34	35	94	99	103
Urban	51 -500 units	232	249	267	258	269	281	316	332	348	806	850	896
Urban	501-1000 units	80	87	95	97	106	116	122	133	146	299	327	357
Urban	Above 1000 units	136	137	138	161	170	180	169	172	175	466	479	493
Urban	Demand based	364	409	459	509	549	591	570	643	707	1443	1601	1758
Urban	Single phase (x-ray plant)	0	0	0	0	0	0	0	0	0	0	0	0

Area	Sub-category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	Three phase (x-ray plant)	1	1	1	1	1	1	0	0	0	2	2	2
Urban	Temporary	28	29	31	59	66	73	52	59	66	139	154	170
<b>Urban</b>	<b>Total</b>	<b>875</b>	<b>948</b>	<b>1029</b>	<b>1121</b>	<b>1191</b>	<b>1274</b>	<b>1282</b>	<b>1372</b>	<b>1477</b>	<b>3277</b>	<b>3511</b>	<b>3780</b>
Rural	0 - 50 units	24	25	25	7	7	7	15	15	15	46	47	48
Rural	51 -500 units	126	150	179	68	73	80	89	99	111	283	323	369
Rural	501-1000 units	43	48	54	23	24	26	29	31	33	95	103	112
Rural	Above 1000 units	99	108	117	65	69	72	60	60	61	224	236	250
Rural	Demand based	211	234	260	139	148	158	194	218	245	544	600	664
Rural	Single phase (x-ray plant)	0	0	0	0	0	0	0	0	0	0	0	0
Rural	Three phase (x-ray plant)	0	0	0	0	0	0	0	0	0	0	0	0
Rural	Temporary	25	27	29	17	20	22	35	41	46	77	89	97
<b>Rural</b>	<b>Total</b>	<b>528</b>	<b>592</b>	<b>664</b>	<b>325</b>	<b>342</b>	<b>365</b>	<b>430</b>	<b>465</b>	<b>510</b>	<b>1283</b>	<b>1399</b>	<b>1540</b>
Total	0 - 50 units	58	60	63	34	36	38	48	49	50	140	145	151
Total	51 -500 units	359	400	446	326	343	361	405	431	458	1089	1173	1265
Total	501-1000 units	123	135	149	121	131	141	151	164	178	394	430	469
Total	Above 1000 units	235	244	255	226	239	252	228	232	236	690	716	743
Total	Demand based	575	643	720	647	697	750	764	861	952	1987	2201	2421
Total	Single phase (x-ray plant)	0	0	0	0	0	0	0	0	0	0	0	0
Total	Three phase (x-ray plant)	1	1	1	1	1	1	0	0	0	2	2	2
Total	Temporary	53	56	60	77	86	96	87	100	112	216	243	267
<b>Total</b>	<b>Total</b>	<b>1403</b>	<b>1540</b>	<b>1693</b>	<b>1446</b>	<b>1533</b>	<b>1639</b>	<b>1712</b>	<b>1837</b>	<b>1987</b>	<b>4560</b>	<b>4910</b>	<b>5319</b>

3.2.2.1 **East Discom**

The growth percentages assumed for the category are as shown below:

**Table 6: Growth Percentage Assumption East Discom**

Urban							
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month		
0 - 50 units	0.68%	5 Year CAGR	4.72%	5 Year CAGR	0.00%	No Growth	
51 -500 units	5.48%	3 Year CAGR	1.64%	5 Year CAGR	0.00%	No Growth	
501-1000 units	8.88%	3 Year CAGR	0.15%	5 Year CAGR	0.00%	No Growth	
Above 1000 units	0.00%	No Growth	0.83%	5 Year CAGR	0.00%	No Growth	
Demand based	8.85%	2 Year CAGR	0.19%	5 Year CAGR	2.96%	2 Year CAGR	
Single phase (x-ray plant)	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth	
Three phase (x-ray plant)	0.00%	No Growth	0.37%	4 Year CAGR	0.00%	No Growth	
Temporary	5.00%	Nominal Growth	0.00%	No Growth	0.00%	No Growth	
Rural							
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month		
0 - 50 units	2.42%	Nominal Growth	0.00%	No Growth	0.00%	No Growth	
51 -500 units	11.21%	3 Year CAGR	4.84%	3 Year CAGR	-	No Growth	
501-1000 units	5.00%	Nominal Growth	0.00%	No Growth	6.37%	No Growth	
Above 1000 units	8.79%	3 Year CAGR	0.00%	No Growth	-	No Growth	
Demand based	7.28%	5 Year CAGR	2.64%	5 Year CAGR	1.00%	2 Year CAGR	
Single phase (x-ray plant)	0.00%	1 Year Growth	0.00%	No Growth	0.00%	No Growth	
Three phase (x-ray plant)	0.00%	No Growth	0.00%	No Growth	-	No Growth	
Temporary	5.00%	Nominal Growth	0.02%	5 Year CAGR	2.66%	No Growth	

**3.2.2.2 Central Discom**

The growth percentages assumed for the category are as shown below:

**Table 7: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
0 - 50 units	5.07%	4 Year CAGR	1.38%	5 Year CAGR	0.00%	No Growth
51 -500 units	1.99%	5 Year CAGR	2.35%	5 Year CAGR	0.00%	No Growth
501-1000 units	4.22%	5 Year CAGR	1.66%	5 Year CAGR	3.00%	Nominal Growth
Above 1000 units	0.00%	No Growth	2.68%	5 Year CAGR	3.00%	Nominal Growth
Demand based	3.59%	1 Year Growth	0.83%	5 Year CAGR	3.20%	2 Year CAGR
Single phase (x-ray plant)	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Three phase (x-ray plant)	0.00%	No Growth	0.42%	4 Year CAGR	0.00%	No Growth
Temporary	5.00%	Nominal Growth	0.00%	No Growth	5.81%	5 Year CAGR
Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
0 - 50 units	2.69%	1 Year Growth	0.00%	No Growth	0.00%	No Growth
51 -500 units	3.27%	3 Year CAGR	2.51%	5 Year CAGR	2.73%	No Growth
501-1000 units	3.33%	2 Year CAGR	0.00%	No Growth	0.00%	Nominal Growth
Above 1000 units	0.00%	No Growth	0.00%	No Growth	0.00%	Nominal Growth
Demand based	4.33%	1 Year Growth	1.58%	5 Year CAGR	0.85%	2 Year CAGR
Single phase (x-ray plant)	7.00%	Nominal Growth	0.00%	No Growth	0.00%	No Growth
Three phase (x-ray plant)	0.00%	No Growth	0.00%	No Growth	-	No Growth
Temporary	5.00%	Nominal Growth	2.54%	5 Year CAGR	1.22%	5 Year CAGR

**3.2.2.3 West Discom**

The growth percentages assumed for the category are as shown below:

**Table 8: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
0 - 50 units	0.48%	4 Year CAGR	1.89%	5 Year CAGR	0.00%	No Growth
51 -500 units	4.28%	5 Year CAGR	0.64%	5 Year CAGR	0.00%	No Growth
501-1000 units	9.24%	1 Year Growth	0.26%	5 Year CAGR	0.00%	No Growth
Above 1000 units	0.00%	No Growth	0.85%	5 Year CAGR	1.00%	3 Year CAGR
Demand based	6.56%	5 Year CAGR	1.11%	5 Year CAGR	2.08%	2 Year CAGR
Single phase (x-ray plant)	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Three phase (x-ray plant)	0.00%	No Growth	1.48%	4 Year CAGR	0.00%	No Growth
Temporary	14.46%	5 Year CAGR	0.00%	No Growth	-1.59%	5 Year CAGR
Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
0 - 50 units	3.08%	1 Year Growth	0.00%	No Growth	0.00%	No Growth
51 -500 units	6.06%	5 Year CAGR	3.00%	5 Year CAGR	1.96%	No Growth
501-1000 units	12.82%	5 Year CAGR	0.00%	No Growth	-6.12%	No Growth
Above 1000 units	0.00%	No Growth	0.00%	No Growth	0.63%	3 Year CAGR
Demand based	8.45%	5 Year CAGR	3.49%	5 Year CAGR	0.00%	2 Year CAGR
Single phase (x-ray plant)	10.00%	Nominal Growth	0.00%	No Growth	0.00%	No Growth
Three phase (x-ray plant)	0.00%	No Growth	0.00%	No Growth	-11.80%	No Growth
Temporary	10.00%	Nominal Growth	0.41%	5 Year CAGR	-0.01%	5 Year CAGR

**3.2.3 LV-3.1: Public Water Works & Street Light**

The projections for FY 2026-27 for Public Water Works & Street lights are as follows:

**Table 9: Energy Sales for LV 3.1 & LV 3.2 (MUs)**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	PWW-Gram Panchayat	-	-	-	-	-	-	1	1	1	1	1	1
Urban	PWW-M.C./C.B. WW	50	54	59	132	142	153	69	72	76	251	269	288
Urban	PWW-Nagar Panchayat	79	84	89	80	84	89	64	68	72	223	236	250
Urban	STL-Gram Panchayat	-	-	-	-	-	-	0	0	0	0	0	0
Urban	STL-M.C./C.B. WW	80	94	111	76	83	90	75	77	80	231	254	280
Urban	STL-Nagar Panchayat	68	75	82	46	47	49	45	47	49	159	169	180
Urban	Temporary	12	14	17	2	2	2	4	4	4	18	21	24
Urban	Vigilance	-	-	-	9	-	-	2	-	-	11	-	-
<b>Urban</b>	<b>Total</b>	<b>289</b>	<b>321</b>	<b>357</b>	<b>345</b>	<b>359</b>	<b>383</b>	<b>261</b>	<b>270</b>	<b>283</b>	<b>895</b>	<b>950</b>	<b>1,023</b>
Rural	PWW-Gram Panchayat	394	455	526	226	274	315	451	566	710	1,071	1,295	1,551
Rural	PWW-M.C./C.B. WW	-	-	-	-	-	-	0	0	0	0	0	0
Rural	PWW-Nagar Panchayat	-	-	-	-	-	-	2	2	1	2	2	1
Rural	STL-Gram Panchayat	47	50	52	13	15	18	76	76	76	136	141	147
Rural	STL-M.C./C.B. WW	0	0	0	-	-	-	0	0	0	0	0	0
Rural	STL-Nagar Panchayat	-	-	-	-	-	-	0	0	0	0	0	0
Rural	Temporary	3	4	4	1	1	1	2	2	2	7	7	7
Rural	Vigilance	-	-	-	8	-	-	2	-	-	10	-	-
<b>Rural</b>	<b>Total</b>	<b>444</b>	<b>508</b>	<b>582</b>	<b>248</b>	<b>290</b>	<b>334</b>	<b>534</b>	<b>647</b>	<b>791</b>	<b>1,227</b>	<b>1,446</b>	<b>1,707</b>
Total	PWW-Gram Panchayat	394	455	526	226	274	315	452	567	712	1,072	1,296	1,552
Total	PWW-M.C./C.B. WW	50	54	59	132	142	153	69	73	76	251	269	288
Total	PWW-Nagar Panchayat	79	84	89	80	84	89	67	70	73	225	238	252
Total	STL-Gram Panchayat	47	50	52	13	15	18	76	76	77	137	142	147
Total	STL-M.C./C.B. WW	80	94	111	76	83	90	75	77	80	231	254	280
Total	STL-Nagar Panchayat	68	75	82	46	47	49	45	47	49	159	169	180
Total	Temporary	15	18	21	3	3	3	6	7	7	25	28	31
Total	Vigilance	-	-	-	16	-	-	4	-	-	21	-	-
<b>Total</b>	<b>Total</b>	<b>734</b>	<b>830</b>	<b>939</b>	<b>593</b>	<b>649</b>	<b>717</b>	<b>795</b>	<b>917</b>	<b>1,074</b>	<b>2,121</b>	<b>2,396</b>	<b>2,730</b>

### 3.2.4 Public Water Works and Street Lights

#### 3.2.4.1 East Discom

The growth percentages assumed for the category are as shown below:

**Table 10: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
	PWW-Gram Panchayat	0.00%	No Growth	0.00%	No Growth	0.00%
PWW-M.C. /C.B. WW	0.00%	No Growth	0.73%	5 Year CAGR	7.29%	4 Year CAGR
PWW-Nagar Panchayat	4.27%	3 Year CAGR	0.00%	No Growth	2.23%	3 Year CAGR
STL-Gram Panchayat	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
STL-M.C. /C.B. WW	10.00%	Nominal Growth	0.00%	No Growth	6.77%	3 Year CAGR
STL-Nagar Panchayat	8.17%	5 Year CAGR	0.00%	No Growth	1.18%	5 Year CAGR
Temporary	5.91%	4 Year CAGR	7.46%	5 Year CAGR	5.00%	Nominal Growth

Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
	PWW-Gram Panchayat	10.00%	Nominal Growth	0.00%	No Growth	-
PWW-M.C. /C.B. WW	0.00%	No Growth	0.00%	No Growth	0.00%	4 Year CAGR
PWW-Nagar Panchayat	0.00%	No Growth	0.00%	No Growth	0.00%	3 Year CAGR
STL-Gram Panchayat	5.24%	4 Year CAGR	0.00%	No Growth	0.16%	No Growth
STL-M.C. /C.B. WW	0.00%	No Growth	0.00%	No Growth	0.00%	3 Year CAGR
STL-Nagar Panchayat	0.00%	No Growth	0.00%	No Growth	0.00%	5 Year CAGR
Temporary	7.54%	4 Year CAGR	0.00%	No Growth	0.00%	Nominal Growth

#### 3.2.4.2 Central Discom

The growth percentages assumed for the category are as shown below:

**Table 11: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
	%	CAGR	%	CAGR	%	CAGR
PWW-Gram Panchayat	0.00%	No Growth	0.00%	3 Year CAGR	0.00%	4 Year CAGR
PWW-M.C. /C.B. WW	0.00%	No Growth	2.34%	5 Year CAGR	5.34%	4 Year CAGR
PWW-Nagar Panchayat	1.72%	3 Year CAGR	3.80%	4 Year CAGR	0.00%	No Growth
STL-Gram Panchayat	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
STL-M.C. /C.B. WW	5.24%	3 Year CAGR	0.00%	No Growth	2.93%	3 Year CAGR
STL-Nagar Panchayat	2.94%	5 Year CAGR	0.00%	No Growth	0.00%	No Growth
Temporary	1.28%	4 Year CAGR	3.89%	5 Year CAGR	0.00%	No Growth

Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
	%	CAGR	%	CAGR	%	CAGR
PWW-Gram Panchayat	9.51%	1 Year Growth	0.31%	3 Year CAGR	4.71%	4 Year CAGR
PWW-M.C. /C.B. WW	-100.00%	4 Year CAGR	0.00%	Nominal Growth	0.00%	4 Year CAGR
PWW-Nagar Panchayat	-100.00%	4 Year CAGR	0.00%	No Growth	0.00%	No Growth
STL-Gram Panchayat	5.49%	4 Year CAGR	0.00%	No Growth	10.18%	No Growth
STL-M.C. /C.B. WW	-100.00%	4 Year CAGR	0.00%	No Growth	0.00%	3 Year CAGR
STL-Nagar Panchayat	-100.00%	4 Year CAGR	0.00%	No Growth	0.00%	No Growth
Temporary	-3.63%	4 Year CAGR	0.00%	No Growth	0.00%	No Growth

#### 3.2.4.3 West Discom

The growth percentages assumed for the category are as shown below:

**Table 12: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
PWW-Gram Panchayat	0.00%	No Growth	0.40%	3 Year CAGR	2.82%	4 Year CAGR
PWW-M.C. /C.B. WW	0.00%	No Growth	2.75%	5 Year CAGR	2.39%	4 Year CAGR
PWW-Nagar Panchayat	3.16%	3 Year CAGR	2.17%	4 Year CAGR	0.00%	No Growth
STL-Gram Panchayat	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
STL-M.C. /C.B. WW	3.59%	3 Year CAGR	0.00%	No Growth	-0.13%	3 Year CAGR
STL-Nagar Panchayat	4.70%	5 Year CAGR	0.00%	No Growth	0.00%	No Growth
Temporary	0.00%	4 Year CAGR	4.01%	5 Year CAGR	0.00%	No Growth
Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
PWW-Gram Panchayat	14.73%	4 Year CAGR	2.48%	3 Year CAGR	6.69%	4 Year CAGR
PWW-M.C. /C.B. WW	-19.66%	4 Year CAGR	0.00%	No Growth	0.00%	4 Year CAGR
PWW-Nagar Panchayat	-19.29%	4 Year CAGR	0.00%	No Growth	0.00%	No Growth
STL-Gram Panchayat	-5.06%	4 Year CAGR	0.00%	No Growth	5.71%	No Growth
STL-M.C. /C.B. WW	0.00%	No Growth	0.00%	No Growth	0.00%	3 Year CAGR
STL-Nagar Panchayat	-7.46%	4 Year CAGR	0.00%	No Growth	0.00%	No Growth
Temporary	2.17%	4 Year CAGR	0.00%	No Growth	0.00%	No Growth

### 3.2.5 LV-4. Industrial

The projections for FY 2026-27 for LV 4.1 Non- Seasonal Industrial are as follows:

**Table 13: Energy Sales for LV-4.1 (MUs)**

LV-4.1		East Discom			Central Discom			West Discom			State Total		
Area	Sub-Category	FY-25	FY-26 RE	FY-27 Proj.	FY-25	FY-26 RE	FY-27 Proj.	FY-25	FY-26 RE	FY-27 Proj.	FY-25	FY-26 RE	FY-27 Proj.
Urban	Non-Seasonal upto 10 HP	39.8	40	40.3	46.2	46.4	46.5	75.8	73.2	70.7	161.9	159.6	157.5
Urban	Non-Seasonal >10 to 25 HP	30.6	32	33.4	45.8	47.4	49	108.7	118.6	129.3	185.2	197.9	211.7
Urban	Non-Seasonal >25 to 50 HP	23.3	24.1	24.9	34.6	36	37.3	71.5	72.2	73	129.4	132.2	135.2
Urban	Non-Seasonal >50 to 100 HP	48.4	48.9	49.4	66.2	68.6	71.1	161	165.5	170.1	275.5	282.9	290.6
Urban	Non-Seasonal >100 HP	64.2	67.6	71.3	43.9	49	54.6	158.7	161.3	163	266.8	277.9	288.9
Urban	TEMPORARY	1.5	1.7	1.9	1.4	1.5	1.7	1	1.1	1.3	3.8	4.3	4.9
Urban	<b>Total</b>	<b>207.8</b>	<b>214.3</b>	<b>221</b>	<b>238.1</b>	<b>248.8</b>	<b>260.3</b>	<b>576.7</b>	<b>591.8</b>	<b>607.3</b>	<b>1022.6</b>	<b>1054.9</b>	<b>1088.6</b>

LV-4.1		East Discom			Central Discom			West Discom			State Total		
Area	Sub-Category	FY-25	FY-26 RE	FY-27 Proj.	FY-25	FY-26 RE	FY-27 Proj.	FY-25	FY-26 RE	FY-27 Proj.	FY-25	FY-26 RE	FY-27 Proj.
Rural	Non-Seasonal upto 10 HP	92.3	92.9	93.6	39.2	39.5	39.8	56.9	57.5	58	188.4	189.9	191.4
Rural	Non-Seasonal >10 to 25 HP	21.8	23.2	24.6	9.8	10.4	11	18.5	21.7	25.4	50.1	55.2	61
Rural	Non-Seasonal >25 to 50 HP	16.6	18.7	21	6.4	7.4	8.7	11.4	13.1	15.1	34.4	39.2	44.8
Rural	Non-Seasonal >50 to 100 HP	35.5	35.9	36.3	18.6	19.4	20.1	32.3	34.2	36.1	86.5	89.5	92.6
Rural	Non-Seasonal >100 HP	84.6	88.8	93.2	26.1	28.6	31.4	73.4	81.4	90.3	184.1	198.9	214.9
Rural	TEMPORARY	10.3	10.4	10.5	2.2	2.4	2.5	2.1	2.4	2.7	14.7	15.2	15.8
<b>Rural</b>	<b>Total</b>	<b>261.1</b>	<b>269.9</b>	<b>279.4</b>	<b>102.4</b>	<b>107.7</b>	<b>113.5</b>	<b>194.7</b>	<b>210.3</b>	<b>227.7</b>	<b>558.2</b>	<b>587.9</b>	<b>620.6</b>

LV-4.1		East Discom			Central Discom			West Discom			State Total		
Area	Sub-Category	FY-25	FY-26 RE	FY-27 Proj.	FY-25	FY-26 RE	FY-27 Proj.	FY-25	FY-26 RE	FY-27 Proj.	FY-25	FY-26 RE	FY-27 Proj.
Total	Non-Seasonal upto 10 HP	132.1	133	133.9	85.5	85.9	86.3	132.7	130.7	128.7	350.3	349.6	348.9
Total	Non-Seasonal >10 to 25 HP	52.4	55.1	58	55.7	57.8	60	127.2	140.2	154.7	235.2	253.1	272.7
Total	Non-Seasonal >25 to 50 HP	39.9	42.8	45.9	41	43.4	46.1	82.9	85.3	88.1	163.8	171.5	180
Total	Non-Seasonal >50 to 100 HP	83.9	84.8	85.7	84.8	88	91.3	193.3	199.6	206.2	362	372.4	383.2
Total	Non-Seasonal >100 HP	148.8	156.4	164.5	70	77.6	86	232.2	242.7	253.3	450.9	476.7	503.8
Total	TEMPORARY	11.8	12.1	12.5	3.6	3.9	4.2	3.1	3.6	4	18.5	19.5	20.6
<b>Total</b>	<b>Total</b>	<b>468.9</b>	<b>484.2</b>	<b>500.4</b>	<b>340.5</b>	<b>356.5</b>	<b>373.8</b>	<b>771.4</b>	<b>802.1</b>	<b>835.1</b>	<b>1580.8</b>	<b>1642.8</b>	<b>1709.2</b>

### 3.2.5.1 LV-4.1 Non- Seasonal Industrial

#### 3.2.5.1.1 East Discom

The assumptions for sales forecast for the category are given below:

**Table 14: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Non-Seasonal upto 10 HP	0.00%	No Growth	0.04%	5 Year CAGR	0.48%	3 Year CAGR
Non-Seasonal >10 to 25 HP	3.15%	3 Year CAGR	0.00%	No Growth	1.16%	4 Year CAGR
Non-Seasonal >25 to 50 HP	3.28%	3 Year CAGR	0.00%	No Growth	0.00%	No Growth
Non-Seasonal >50 to 100 HP	1.00%	3 Year CAGR	0.00%	No Growth	0.00%	No Growth
Non-Seasonal >100 HP	5.00%	Nominal Growth	0.33%	5 Year CAGR	0.00%	No Growth
TEMPORARY	14.64%	5 Year CAGR	0.00%	No Growth	0.00%	Nominal Growth

Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Non-Seasonal upto 10 HP	0.00%	Nominal Growth	0.72%	5 Year CAGR	0.00%	3 Year CAGR
Non-Seasonal >10 to 25 HP	6.34%	3 Year CAGR	0.00%	No Growth	0.00%	4 Year CAGR
Non-Seasonal >25 to 50 HP	8.95%	3 Year CAGR	0.00%	No Growth	3.18%	No Growth
Non-Seasonal >50 to 100 HP	1.18%	5 Year CAGR	0.00%	No Growth	0.00%	No Growth
Non-Seasonal >100 HP	5.00%	Nominal Growth	0.00%	No Growth	0.00%	No Growth
TEMPORARY	0.00%	No Growth	1.05%	5 Year CAGR	0.00%	Nominal Growth

**3.2.5.1.2 Central Discom**

The growth percentages assumed are as follows:

**Table 15: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Non-Seasonal upto 10 HP	0.00%	No Growth	0.33%	5 Year CAGR	0.00%	No Growth
Non-Seasonal >10 to 25 HP	0.00%	No Growth	0.00%	No Growth	3.44%	4 Year CAGR
Non-Seasonal >25 to 50 HP	3.84%	5 Year CAGR	0.00%	No Growth	0.00%	No Growth
Non-Seasonal >50 to 100 HP	3.67%	5 Year CAGR	0.00%	No Growth	0.00%	No Growth
Non-Seasonal >100 HP	11.42%	2 Year CAGR	0.09%	5 Year CAGR	0.00%	No Growth
TEMPORARY	9.68%	1 Year Growth	0.00%	No Growth	1.12%	2 Year CAGR

Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Non-Seasonal upto 10 HP	0.00%	Nominal Growth	0.71%	5 Year CAGR	0.00%	No Growth
Non-Seasonal >10 to 25 HP	5.52%	3 Year CAGR	0.00%	No Growth	0.00%	4 Year CAGR
Non-Seasonal >25 to 50 HP	12.22%	5 Year CAGR	0.00%	No Growth	4.28%	No Growth
Non-Seasonal >50 to 100 HP	3.95%	3 Year CAGR	0.00%	No Growth	0.04%	No Growth
Non-Seasonal >100 HP	5.63%	1 Year Growth	0.47%	1 Year Growth	3.31%	No Growth
TEMPORARY	0.00%	No Growth	5.83%	5 Year CAGR	0.00%	2 Year CAGR

**3.2.5.1.3 West Discom**

The growth percentages assumed are as follows:

**Table 16: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Non-Seasonal upto 10 HP	-3.79%	2 Year CAGR	0.34%	2 Year CAGR	0.00%	No Growth
Non-Seasonal >10 to 25 HP	4.30%	3 Year CAGR	-0.63%	2 Year CAGR	5.23%	4 Year CAGR
Non-Seasonal >25 to 50 HP	1.50%	Nominal Growth	-0.45%	2 Year CAGR	0.00%	No Growth
Non-Seasonal >50 to 100 HP	3.26%	2 Year CAGR	-0.43%	2 Year CAGR	0.00%	No Growth
Non-Seasonal >100 HP	1.00%	Nominal Growth	0.09%	1 Year Growth	0.00%	No Growth
TEMPORARY	2.93%	2 Year CAGR	0.00%	No Growth	8.88%	2 Year CAGR

Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Non-Seasonal upto 10 HP	0.00%	Nominal Growth	0.99%	5 Year CAGR	0.00%	No Growth
Non-Seasonal >10 to 25 HP	15.68%	3 Year CAGR	0.00%	No Growth	1.42%	2 Year CAGR
Non-Seasonal >25 to 50 HP	12.35%	5 Year CAGR	0.00%	No Growth	2.53%	1 Year Growth
Non-Seasonal >50 to 100 HP	5.62%	5 Year CAGR	0.00%	No Growth	0.00%	No Growth
Non-Seasonal >100 HP	10.43%	3 Year CAGR	0.44%	5 Year CAGR	0.00%	No Growth
TEMPORARY	1.65%	1 Year Growth	11.40%	5 Year CAGR	0.00%	No Growth

**3.2.5.2 LV-4.2: Seasonal Industrial**

The projections for FY 2026-27 for LV 4.2 Seasonal Industrial are as follows:

**Table 17: Energy Sales for LV-4.2 (MUs)**

LV 4.2		EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
Area	Sub-Category	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	Seasonal up to 10 HP	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.6	0.6	0.6
Urban	Seasonal >10 to 25 HP	0.1	0.1	0.1	0.1	0.1	0.1	1.3	1.2	1.1	1.6	1.4	1.3
Urban	Seasonal >25 to 50 HP	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	1.5	1.5	1.6
Urban	Seasonal >50 to 100 HP	0.6	0.8	1.1	0.8	0.9	1.0	0.8	0.8	0.7	2.2	2.5	2.8
Urban	Seasonal >100 HP	1.2	1.5	1.8	0.0	0.0	0.0	1.0	1.0	1.0	2.2	2.5	2.9
<b>Urban</b>	<b>Total</b>	<b>2.4</b>	<b>2.9</b>	<b>3.6</b>	<b>1.4</b>	<b>1.5</b>	<b>1.7</b>	<b>4.3</b>	<b>4.1</b>	<b>3.9</b>	<b>8.1</b>	<b>8.5</b>	<b>9.2</b>

LV 4.2		EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
Area	Sub-Category	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Rural	Seasonal up to 10 HP	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.4	0.4	0.4
Rural	Seasonal >10 to 25 HP	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.6	0.7	0.7	0.8	0.9
Rural	Seasonal >25 to 50 HP	0.1	0.1	0.1	0.0	0.0	0.0	0.3	0.3	0.3	0.4	0.4	0.4
Rural	Seasonal >50 to 100 HP	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
Rural	Seasonal >100 HP	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.5	0.5	0.5
<b>Rural</b>	<b>Total</b>	<b>0.5</b>	<b>0.6</b>	<b>0.6</b>	<b>0.4</b>	<b>0.5</b>	<b>0.5</b>	<b>1.3</b>	<b>1.4</b>	<b>1.5</b>	<b>2.3</b>	<b>2.4</b>	<b>2.6</b>

LV 4.2		EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
Area	Sub-Category	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Total	Seasonal up to 10 HP	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.8	0.8	1.0	1.0	1.0
Total	Seasonal >10 to 25 HP	0.2	0.2	0.3	0.2	0.2	0.3	1.8	1.8	1.7	2.2	2.2	2.2
Total	Seasonal >25 to 50 HP	0.5	0.5	0.5	0.4	0.5	0.5	1.1	1.0	1.0	1.9	2.0	2.0
Total	Seasonal >50 to 100 HP	0.7	0.9	1.2	0.9	1.0	1.1	1.0	0.9	0.9	2.5	2.8	3.2
Total	Seasonal >100 HP	1.5	1.8	2.1	0.2	0.2	0.2	1.0	1.0	1.0	2.7	3.0	3.4
<b>Total</b>	<b>Total</b>	<b>2.9</b>	<b>3.5</b>	<b>4.2</b>	<b>1.8</b>	<b>2.0</b>	<b>2.2</b>	<b>5.6</b>	<b>5.5</b>	<b>5.4</b>	<b>10.4</b>	<b>11.0</b>	<b>11.7</b>

**3.2.5.2.1 East Discom**

The growth percentages assumed are as follows:

**Table 18: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Seasonal upto 10 HP	0.00%	No Growth	2.99%	5 Year CAGR	0.00%	No Growth
Seasonal >10 to 25 HP	6.58%	5 Year CAGR	0.00%	No Growth	0.00%	No Growth
Seasonal >25 to 50 HP	5.00%	Nominal Growth	0.00%	No Growth	-0.12%	5 Year CAGR
Seasonal >50 to 100 HP	20.00%	Nominal Growth	0.00%	No Growth	10.00%	Nominal Growth
Seasonal >100 HP	22.39%	3 Year CAGR	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Seasonal upto 10 HP	50.00%	Nominal Growth	-3.87%	3 Year CAGR	0.00%	No Growth
Seasonal >10 to 25 HP	20.00%	Nominal Growth	3.00%	Nominal Growth	0.00%	No Growth
Seasonal >25 to 50 HP	5.92%	5 Year CAGR	2.85%	3 Year CAGR	0.00%	5 Year CAGR
Seasonal >50 to 100 HP	0.00%	No Growth	4.38%	3 Year CAGR	0.00%	Nominal Growth
Seasonal >100 HP	0.00%	No Growth	0.00%	No Growth	-	No Growth

**3.2.5.2.2 Central Discom**

The growth percentages assumed are as follows:

**Table 19: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Seasonal upto 10 HP	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Seasonal >10 to 25 HP	6.96%	5 Year CAGR	0.00%	No Growth	0.00%	No Growth
Seasonal >25 to 50 HP	2.20%	4 Year CAGR	0.00%	No Growth	3.15%	5 Year CAGR
Seasonal >50 to 100 HP	3.71%	5 Year CAGR	1.21%	3 Year CAGR	10.00%	Nominal Growth
Seasonal >100 HP	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Seasonal upto 10 HP	0.00%	No Growth	3.42%	3 Year CAGR	0.00%	No Growth
Seasonal >10 to 25 HP	0.00%	No Growth	0.00%	No Growth	5.01%	No Growth
Seasonal >25 to 50 HP	0.00%	No Growth	3.03%	2 Year CAGR	0.00%	5 Year CAGR
Seasonal >50 to 100 HP	0.00%	No Growth	0.00%	No Growth	0.00%	Nominal Growth
Seasonal >100 HP	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

**3.2.5.2.3 West Discom**

The growth rates assumed are as follows:

**Table 20: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Seasonal upto 10 HP	-6.36%	2 Year CAGR	0.89%	2 Year CAGR	0.00%	No Growth

Urban						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Seasonal >10 to 25 HP	-7.59%	2 Year CAGR	-2.54%	1 Year Growth	0.00%	No Growth
Seasonal >25 to 50 HP	1.74%	4 Year CAGR	-0.65%	2 Year CAGR	-3.99%	5 Year CAGR
Seasonal >50 to 100 HP	-8.71%	2 Year CAGR	1.38%	1 Year Growth	1.34%	2 Year CAGR
Seasonal >100 HP	2.41%	4 Year CAGR	0.66%	2 Year CAGR	0.00%	No Growth

Rural						
Category	Consumers		Average Load (kW) per Consumer		Average consumption per kW per Month	
Seasonal upto 10 HP	0.00%	No Growth	2.52%	3 Year CAGR	0.00%	No Growth
Seasonal >10 to 25 HP	3.23%	3 Year CAGR	0.00%	No Growth	11.77%	1 Year Growth
Seasonal >25 to 50 HP	0.00%	No Growth	-2.14%	2 Year CAGR	0.00%	No Growth
Seasonal >50 to 100 HP	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Seasonal >100 HP	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

## 3.2.6 LV-5.1: Agricultural

The projections for LV 5.1 Agricultural category are as follows:

Table 21: Energy Sales for LV 5.1 (MUs)

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	<b>Metered Permanent</b>												
Urban	UPTO 3 HP	9	8	9	6	6	6	2	2	2	17	16	17
Urban	> 3 UPTO 5 HP	2	3	3	33	34	34	10	10	12	46	46	49
Urban	> 5 UPTO 10 HP	2	2	2	20	20	21	7	5	5	29	27	29
Urban	>10 UPTO 20 HP	0	0	0	4	3	4	1	1	1	4	4	4
Urban	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
<b>Urban</b>	<b>Total</b>	<b>13</b>	<b>13</b>	<b>15</b>	<b>62</b>	<b>63</b>	<b>65</b>	<b>20</b>	<b>17</b>	<b>19</b>	<b>96</b>	<b>94</b>	<b>99</b>
Urban	<b>Un-metered Permanent</b>												
Urban	UPTO 3 HP	100	87	87	1	1	1	11	11	11	112	98	98
Urban	> 3 UPTO 5 HP	126	134	134	62	59	59	85	84	84	272	277	277
Urban	> 5 UPTO 10 HP	60	80	80	58	57	57	58	59	59	177	196	196
Urban	>10 UPTO 20 HP	2	4	4	18	18	18	2	2	2	21	23	23
Urban	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
	Total	<b>288</b>	<b>304</b>	<b>304</b>	<b>139</b>	<b>135</b>	<b>135</b>	<b>156</b>	<b>156</b>	<b>156</b>	<b>583</b>	<b>595</b>	<b>595</b>
Urban	<b>Metered Temporary</b>												
Urban	UPTO 3 HP	1	1	1	2	2	3	0	0	0	4	4	4
Urban	> 3 UPTO 5 HP	1	1	2	9	10	10	1	1	1	11	12	13
Urban	> 5 UPTO 10 HP	0	0	0	4	4	4	0	0	0	4	5	5
Urban	>10 UPTO 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
Urban	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
	Total	<b>3</b>	<b>3</b>	<b>3</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>20</b>	<b>21</b>	<b>22</b>
Urban	<b>Un-metered Temporary</b>												
Urban	UPTO 3 HP	35	30	27	0	0	0	8	19	17	43	49	45
Urban	> 3 UPTO 5 HP	4	4	4	0	0	0	8	18	17	12	22	21
Urban	> 5 UPTO 10 HP	1	1	1	0	0	0	3	7	6	5	8	8
Urban	>10 UPTO 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
Urban	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	0	0	0

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	VIGILANCE	0	0	0	1	0	0	0	0	0	1	0	0
		<b>40</b>	<b>36</b>	<b>32</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>19</b>	<b>43</b>	<b>40</b>	<b>61</b>	<b>80</b>	<b>73</b>
<b>Urban</b>	<b>Total</b>	<b>344</b>	<b>356</b>	<b>354</b>	<b>219</b>	<b>215</b>	<b>218</b>	<b>197</b>	<b>218</b>	<b>217</b>	<b>759</b>	<b>789</b>	<b>789</b>
Rural	<b>Metered Permanent</b>												
Rural	UPTO 3 HP	1	1	1	1	1	1	0	0	0	2	2	2
Rural	> 3 UPTO 5 HP	0	0	0	4	5	5	2	1	1	6	6	7
Rural	> 5 UPTO 10 HP	1	1	1	3	4	5	2	2	2	6	7	7
Rural	>10 UPTO 20 HP	0	0	0	1	1	1	1	1	1	2	2	2
Rural	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	1	1	1
	<b>Total</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>17</b>	<b>17</b>	<b>18</b>
Rural	<b>Un-metered Permanent</b>												
Rural	UPTO 3 HP	2150	1908	1908	62	60	60	1117	1147	1170	3329	3114	3137
Rural	> 3 UPTO 5 HP	3516	3794	3872	3827	3895	4039	7216	7396	7525	14559	15085	15435
Rural	> 5 UPTO 10 HP	1064	1548	1626	4675	4972	5221	2591	2698	2752	8329	9218	9598
Rural	>10 UPTO 20 HP	39	71	74	1244	1338	1405	226	230	235	1509	1640	1715
Rural	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>6769</b>	<b>7321</b>	<b>7480</b>	<b>9808</b>	<b>10265</b>	<b>10725</b>	<b>11149</b>	<b>11471</b>	<b>11681</b>	<b>27726</b>	<b>29057</b>	<b>29886</b>
Rural	<b>Metered Temporary</b>												
Rural	UPTO 3 HP	0	1	1	1	1	1	0	0	0	1	2	2
Rural	> 3 UPTO 5 HP	1	1	1	2	2	2	0	0	0	3	3	3
Rural	> 5 UPTO 10 HP	0	0	0	1	1	1	0	0	0	2	2	2
Rural	>10 UPTO 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
Rural	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>6</b>	<b>7</b>
Rural	<b>Un-metered Temporary</b>												
Rural	UPTO 3 HP	253	247	247	99	99	99	164	172	180	516	518	526
Rural	> 3 UPTO 5 HP	27	27	27	125	125	125	87	91	96	239	244	248
Rural	> 5 UPTO 10 HP	10	10	10	22	22	22	7	7	8	39	40	40
Rural	>10 UPTO 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
Rural	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
Rural	VIGILANCE	0	0	0	19	0	0	6	0	0	25	0	0
	<b>Total</b>	<b>291</b>	<b>285</b>	<b>285</b>	<b>265</b>	<b>246</b>	<b>246</b>	<b>264</b>	<b>271</b>	<b>284</b>	<b>820</b>	<b>801</b>	<b>815</b>
<b>Rural</b>	<b>Total</b>	<b>7064</b>	<b>7609</b>	<b>7768</b>	<b>10087</b>	<b>10527</b>	<b>10987</b>	<b>11419</b>	<b>11746</b>	<b>11970</b>	<b>28570</b>	<b>29882</b>	<b>30725</b>
<b>Total</b>	<b>Metered Permanent</b>												

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Total	UPTO 3 HP	10	9	10	7	7	7	2	2	2	19	18	19
Total	> 3 UPTO 5 HP	3	3	3	37	38	39	12	11	13	52	53	56
Total	> 5 UPTO 10 HP	2	3	3	23	24	25	10	7	7	35	34	36
Total	>10 UPTO 20 HP	0	0	0	4	4	4	1	2	2	6	6	6
Total	>ABOVE 20 HP	0	0	0	1	1	1	0	0	0	1	1	1
		<b>15</b>	<b>15</b>	<b>17</b>	<b>72</b>	<b>74</b>	<b>77</b>	<b>25</b>	<b>22</b>	<b>24</b>	<b>113</b>	<b>111</b>	<b>117</b>
Total	<b>Un-metered Permanent</b>												
Total	UPTO 3 HP	2250	1994	1994	63	60	60	1129	1158	1181	3442	3213	3236
Total	> 3 UPTO 5 HP	3642	3928	4006	3889	3954	4098	7300	7480	7609	14831	15362	15713
Total	> 5 UPTO 10 HP	1124	1628	1705	4733	5029	5278	2649	2757	2811	8506	9414	9794
Total	>10 UPTO 20 HP	41	74	78	1262	1357	1423	227	232	237	1530	1663	1738
Total	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>7057</b>	<b>7624</b>	<b>7783</b>	<b>9947</b>	<b>10400</b>	<b>10860</b>	<b>11305</b>	<b>11627</b>	<b>11837</b>	<b>28309</b>	<b>29652</b>	<b>30480</b>
Total	<b>Metered Temporary</b>												
Total	UPTO 3 HP	2	2	2	3	3	4	0	0	0	5	6	6
Total	> 3 UPTO 5 HP	2	2	2	11	11	12	1	1	1	14	15	15
Total	> 5 UPTO 10 HP	0	0	0	5	5	6	1	1	1	6	6	7
Total	>10 UPTO 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
Total	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>26</b>	<b>27</b>	<b>28</b>
Total	<b>Un-metered Temporary</b>												
Total	UPTO 3 HP	288	278	275	100	99	99	172	191	197	559	567	571
Total	> 3 UPTO 5 HP	31	31	31	126	126	126	95	109	113	252	266	269
Total	> 5 UPTO 10 HP	12	12	12	22	22	22	10	14	14	44	48	48
Total	>10 UPTO 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
Total	>ABOVE 20 HP	0	0	0	0	0	0	0	0	0	0	0	0
Total	VIGILANCE	0	0	0	20	0	0	7	0	0	27	0	0
	<b>Total</b>	<b>331</b>	<b>320</b>	<b>317</b>	<b>267</b>	<b>247</b>	<b>247</b>	<b>283</b>	<b>314</b>	<b>324</b>	<b>881</b>	<b>881</b>	<b>888</b>
<b>Total</b>	<b>Total</b>	<b>7407</b>	<b>7964</b>	<b>8122</b>	<b>10305</b>	<b>10742</b>	<b>11205</b>	<b>11616</b>	<b>11965</b>	<b>12187</b>	<b>29329</b>	<b>30671</b>	<b>31514</b>

3.2.6.1 For Temporary Metered & Temporary Permanent Connections, the estimation of Consumers and Load has been carried out on Monthly basis instead of directly applying the growth rate to annual figures. For unmetered temporary agriculture consumers under this category, the assessed consumption is considered as per the norms stipulated by Hon'ble Commission in the Tariff order for FY 2025-26. The same is shown as below

**Table 22: Phase Wise Assessment for Un-metered Temporary Agriculture Connections**

Phase	Figures in Unit	
	Urban	Rural
	2024-25	2024-25
Three Phase	220	195
Single Phase	230	205

3.2.6.2 The month-wise segregation of norms for assessed consumption of unmetered permanent agricultural connections are as shown below:

**Table 23: Phase Wise Assessment for Unmetered Permanent Agriculture Connections**

Figures in Unit	Three Phase		Single Phase	
	Urban	Rural	Urban	Rural
Months				
April	95	95	95	95
May	95	95	95	95
June	95	95	95	95
July	95	95	95	95
Aug	95	95	95	95
Sept	95	95	95	95
Oct	170	170	180	180
Nov	170	170	180	180
Dec	170	170	180	180
Jan	170	170	180	180
Feb	170	170	180	180
March	170	170	180	180

3.2.6.3 The Hon'ble Commission had increased the normative units for permanent agriculture consumers in the Tariff Order for FY 2018-19 from 1560 Units to 1650 Units per HP per Annum. Till FY 2013-14, agriculture pump consumers were being supplied with 8 Hrs of electricity per day in groups. From FY 2014-15, feeder separation work started and as a result 10 Hours of electricity was supplied on daily basis on separated feeders to agriculture consumers whereas for mixed feeders it was on 24 Hours supply. On mixed feeders there are many agriculture pump connections that are being supplied by more than 20 Hours of supply.

#### 3.2.6.3.1 East Discom

The growth rates assumed for future projections and revised estimates for this category by East Discom are as follows:

**Table 24: Growth Percentage Assumption East Discom**

<b>Urban</b>						
<b>Category</b>	<b>Consumers</b>		<b>Load (kW)</b>		<b>Consumption</b>	
<b>Metered Permanent</b>						
UPTO 3 HP	10%	Nominal Growth	10%	Nominal Growth	10%	Nominal Growth
> 3 UPTO 5 HP	10%	Nominal Growth	10%	Nominal Growth	10%	Nominal Growth
> 5 UPTO 10 HP	10%	Nominal Growth	10%	Nominal Growth	10%	Nominal Growth
>10 UPTO 20 HP	10%	Nominal Growth	10%	Nominal Growth	10%	Nominal Growth
>ABOVE 20 HP	0%	No Growth	0%	No Growth	0%	No Growth
<b>Un-metered Permanent</b>						
UPTO 3 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
> 3 UPTO 5 HP	-7%	Negative Growth	0%	No Growth	0%	No Growth
> 5 UPTO 10 HP	0%	No Growth	0%	No Growth	0%	No Growth
>10 UPTO 20 HP	0%	No Growth	0%	No Growth	0%	No Growth
>ABOVE 20 HP	0%	No Growth	0%	No Growth	0%	No Growth
<b>Metered Temporary</b>						
UPTO 3 HP	10%	Nominal Growth	11%	5 Year CAGR	5%	Nominal Growth
> 3 UPTO 5 HP	10%	Nominal Growth	10%	Nominal Growth	5%	Nominal Growth
> 5 UPTO 10 HP	10%	Nominal Growth	10%	Nominal Growth	5%	Nominal Growth
>10 UPTO 20 HP	10%	Nominal Growth	0%	4 Year CAGR	5%	Nominal Growth
>ABOVE 20 HP	5%	Nominal Growth	5%	Nominal Growth	5%	Nominal Growth
<b>Un-metered Temporary</b>						
UPTO 3 HP	-10%	Negative Growth	-10%	Negative Growth	-10%	Negative Growth
> 3 UPTO 5 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth
> 5 UPTO 10 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth
>10 UPTO 20 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth
>ABOVE 20 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth

<b>Rural</b>						
<b>Category</b>	<b>Consumers</b>		<b>Load (kW)</b>		<b>Consumption</b>	
<b>Metered Permanent</b>						
<b>UPTO 3 HP</b>	5%	Nominal Growth	5%	Nominal Growth	5%	Nominal Growth
> 3 UPTO 5 HP	5%	Nominal Growth	4%	4 Year CAGR	4%	4 Year CAGR
> 5 UPTO 10 HP	5%	Nominal Growth	10%	Nominal Growth	10%	Nominal Growth
>10 UPTO 20 HP	5%	Nominal Growth	1%	5 Year CAGR	1%	5 Year CAGR
>ABOVE 20 HP	5%	Nominal Growth	0%	No Growth	0%	No Growth
<b>Un-metered Permanent</b>						
UPTO 3 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
> 3 UPTO 5 HP	-1%	Negative Growth	2%	5 Year CAGR	2%	5 Year CAGR
> 5 UPTO 10 HP	5%	Nominal Growth	5%	Nominal Growth	5%	Nominal Growth
>10 UPTO 20 HP	5%	Nominal Growth	5%	Nominal Growth	5%	Nominal Growth
>ABOVE 20 HP	0%	No Growth	0%	No Growth	0%	No Growth
<b>Metered Temporary</b>						
UPTO 3 HP	20%	Nominal Growth	12%	Nominal Growth	5%	Nominal Growth
> 3 UPTO 5 HP	20%	Nominal Growth	12%	Nominal Growth	5%	Nominal Growth
> 5 UPTO 10 HP	20%	Nominal Growth	12%	Nominal Growth	5%	Nominal Growth
>10 UPTO 20 HP	20%	Nominal Growth	12%	Nominal Growth	5%	Nominal Growth
>ABOVE 20 HP	20%	Nominal Growth	12%	Nominal Growth	5%	Nominal Growth
<b>Un-metered Temporary</b>						
UPTO 3 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
> 3 UPTO 5 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
> 5 UPTO 10 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
>10 UPTO 20 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
>ABOVE 20 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth

**3.2.6.3.2 Central Discom**

The growth rates assumed for future projections and revised estimates for this category by Central Discom are as follows:

**Table 25: Growth Percentage Assumption Central Discom**

<b>Urban</b>						
<b>Category</b>	<b>Consumers</b>		<b>Load (kW)</b>		<b>Consumption</b>	
<b>Metered Permanent</b>						
UPTO 3 HP	0%	No Growth	0%	No Growth	0%	No Growth
> 3 UPTO 5 HP	2.32%	5 Year CAGR	2.32%	5 Year CAGR	2.32%	5 Year CAGR
> 5 UPTO 10 HP	6.84%	3 Year CAGR	5.62%	4 Year CAGR	5.62%	4 Year CAGR
>10 UPTO 20 HP	7.29%	3 Year CAGR	7.69%	3 Year CAGR	7.69%	3 Year CAGR
>ABOVE 20 HP	0%	No Growth	0%	No Growth	0%	No Growth
<b>Un-metered Permanent</b>						
UPTO 3 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
> 3 UPTO 5 HP	-7%	Negative Growth	0%	No Growth	0%	No Growth
> 5 UPTO 10 HP	0%	No Growth	0%	No Growth	0%	No Growth
>10 UPTO 20 HP	0%	No Growth	0%	No Growth	0%	No Growth
>ABOVE 20 HP	0%	No Growth	0%	No Growth	0%	No Growth
<b>Metered Temporary</b>						
UPTO 3 HP	10%	Nominal Growth	10%	5 Year CAGR	5%	Nominal Growth
> 3 UPTO 5 HP	10%	Nominal Growth	10%	2 Year CAGR	5%	Nominal Growth
> 5 UPTO 10 HP	10%	Nominal Growth	10%	Nominal Growth	5%	Nominal Growth
>10 UPTO 20 HP	10%	Nominal Growth	10%	4 Year CAGR	5%	Nominal Growth
>ABOVE 20 HP	5%	Nominal Growth	5%	Nominal Growth	5%	Nominal Growth
<b>Un-metered Temporary</b>						
UPTO 3 HP	-10%	Negative Growth	-10%	Negative Growth	-10%	Negative Growth
> 3 UPTO 5 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth
> 5 UPTO 10 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth
>10 UPTO 20 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth
>ABOVE 20 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth

<b>Rural</b>						
<b>Category</b>	<b>Consumers</b>		<b>Load (kW)</b>		<b>Consumption</b>	
<b>Metered Permanent</b>						
<b>UPTO 3 HP</b>	5.00%	Nominal Growth	3.96%	4 Year CAGR	3.96%	4 Year CAGR
> 3 UPTO 5 HP	5.00%	Nominal Growth	4.31%	4 Year CAGR	4.31%	4 Year CAGR
> 5 UPTO 10 HP	5.00%	Nominal Growth	8.91%	5 Year CAGR	8.91%	5 Year CAGR
>10 UPTO 20 HP	5.00%	Nominal Growth	4.66%	5 Year CAGR	4.66%	5 Year CAGR
>ABOVE 20 HP	5.00%	Nominal Growth	0.00%	No Growth	0.00%	No Growth
<b>Un-metered Permanent</b>						
UPTO 3 HP	-5%	Negative Growth	0.00%	No Growth	0.00%	No Growth
> 3 UPTO 5 HP	-1%	Negative Growth	3.70%	5 Year CAGR	3.70%	5 Year CAGR
> 5 UPTO 10 HP	7.01%	4 Year CAGR	5.00%	Nominal Growth	5.00%	Nominal Growth
>10 UPTO 20 HP	8.05%	4 Year CAGR	5.00%	Nominal Growth	5.00%	Nominal Growth
>ABOVE 20 HP	0%	No Growth	0%	No Growth	0%	No Growth
<b>Metered Temporary</b>						
UPTO 3 HP	20%	Nominal Growth	10%	Nominal Growth	5%	Nominal Growth
> 3 UPTO 5 HP	20%	Nominal Growth	10%	Nominal Growth	5%	Nominal Growth
> 5 UPTO 10 HP	20%	Nominal Growth	10%	Nominal Growth	5%	Nominal Growth
>10 UPTO 20 HP	20%	Nominal Growth	10%	Nominal Growth	5%	Nominal Growth
>ABOVE 20 HP	20%	Nominal Growth	10%	Nominal Growth	5%	Nominal Growth
<b>Un-metered Temporary</b>						
UPTO 3 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
> 3 UPTO 5 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
> 5 UPTO 10 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
>10 UPTO 20 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
>ABOVE 20 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth

3.2.6.3.3 **West Discom**

The growth rates assumed for future projections and revised estimates for this category by Central Discom are as follows.

**Table 26: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
<b>Metered Permanent</b>						
UPTO 3 HP	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
> 3 UPTO 5 HP	18.36%	5 Year CAGR	18.33%	5 Year CAGR	18.33%	5 Year CAGR
> 5 UPTO 10 HP	3.19%	3 Year CAGR	-0.72%	4 Year CAGR	-0.72%	4 Year CAGR
>10 UPTO 20 HP	16.26%	3 Year CAGR	15.91%	3 Year CAGR	15.91%	3 Year CAGR
>ABOVE 20 HP	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
<b>Un-metered Permanent</b>						
UPTO 3 HP	-5%	Negative Growth	0%	No Growth	0%	No Growth
> 3 UPTO 5 HP	-7%	Negative Growth	0%	No Growth	0%	No Growth
> 5 UPTO 10 HP	0%	No Growth	0%	No Growth	0%	No Growth
>10 UPTO 20 HP	0%	No Growth	0%	No Growth	0%	No Growth
>ABOVE 20 HP	0%	No Growth	0%	No Growth	0%	No Growth
<b>Metered Temporary</b>						
UPTO 3 HP	10%	Nominal Growth	22.17%	5 Year CAGR	5%	Nominal Growth
> 3 UPTO 5 HP	10%	Nominal Growth	-1.73%	2 Year CAGR	5%	Nominal Growth
> 5 UPTO 10 HP	10%	Nominal Growth	10.00%	Nominal Growth	5%	Nominal Growth
>10 UPTO 20 HP	10%	Nominal Growth	19.43%	4 Year CAGR	5%	Nominal Growth
>ABOVE 20 HP	5%	Nominal Growth	5.00%	Nominal Growth	5%	Nominal Growth
<b>Un-metered Temporary</b>						
UPTO 3 HP	-10%	Negative Growth	-10%	Negative Growth	-10%	Negative Growth
> 3 UPTO 5 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth
> 5 UPTO 10 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth
>10 UPTO 20 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth
>ABOVE 20 HP	-10%	Negative Growth	-5%	Negative Growth	-5%	Negative Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
<b>Metered Permanent</b>						
<b>UPTO 3 HP</b>	5.00%	Nominal Growth	-1.42%	4 Year CAGR	-1.42%	4 Year CAGR
> 3 UPTO 5 HP	5.00%	Nominal Growth	-1.54%	4 Year CAGR	-1.54%	4 Year CAGR
> 5 UPTO 10 HP	5.00%	Nominal Growth	10.00%	Nominal Growth	10.00%	Nominal Growth
>10 UPTO 20 HP	5.00%	Nominal Growth	3.00%	Nominal Growth	3.00%	Nominal Growth
>ABOVE 20 HP	5.00%	Nominal Growth	0.00%	No Growth	0.00%	No Growth
<b>Un-metered Permanent</b>						
UPTO 3 HP	-5.00%	Negative Growth	2.00%	Nominal Growth	2.00%	Nominal Growth
> 3 UPTO 5 HP	-1.00%	Negative Growth	1.74%	1 Year Growth	1.74%	1 Year Growth
> 5 UPTO 10 HP	0.00%	No Growth	2.00%	Nominal Growth	2.00%	Nominal Growth
>10 UPTO 20 HP	0.00%	No Growth	2.00%	Nominal Growth	2.00%	Nominal Growth
>ABOVE 20 HP	0.00%	No Growth	2.00%	Nominal Growth	2.00%	Nominal Growth
<b>Metered Temporary</b>						
UPTO 3 HP	20.00%	Nominal Growth	12.00%	Nominal Growth	5.00%	Nominal Growth
> 3 UPTO 5 HP	0.00%	No Growth	0.00%	No Growth	5.00%	Nominal Growth
> 5 UPTO 10 HP	0.00%	No Growth	0.00%	No Growth	5.00%	Nominal Growth
>10 UPTO 20 HP	0.00%	1 Year Growth	0.00%	No Growth	5.00%	Nominal Growth
>ABOVE 20 HP	0.00%	No Growth	0.00%	No Growth	5.00%	Nominal Growth
<b>Un-metered Temporary</b>						
UPTO 3 HP	-5.00%	Negative Growth	2.00%	Nominal Growth	2.00%	Nominal Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
> 3 UPTO 5 HP	-5.00%	Negative Growth	2.00%	Nominal Growth	2.00%	Nominal Growth
> 5 UPTO 10 HP	-5.00%	Negative Growth	2.00%	Nominal Growth	2.00%	Nominal Growth
>10 UPTO 20 HP	-5.00%	Negative Growth	2.00%	Nominal Growth	2.00%	Nominal Growth
>ABOVE 20 HP	-5.00%	Negative Growth	2.00%	Nominal Growth	2.00%	Nominal Growth

### 3.2.7 LV-5.2: Other agricultural Use

The projections for LV 5.2 Agricultural category are as follows:

**Table 27: Energy Sales for LV 5.2 (MUs)**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	UPTO 3 HP	0.25	0.25	0.25	0.09	0.09	0.09	0.02	0.02	0.02	0.36	0.36	0.36
Urban	> 3 UPTO 5 HP	0.19	0.20	0.20	0.33	0.34	0.35	0.07	0.07	0.07	0.59	0.60	0.62
Urban	> 5 UPTO 10 HP	0.42	0.42	0.42	0.48	0.51	0.54	0.21	0.24	0.27	1.11	1.17	1.23
Urban	>10 UPTO 20 HP	0.63	0.68	0.72	0.47	0.54	0.62	0.11	0.11	0.11	1.22	1.33	1.45
Urban	>ABOVE 20 HP	0.69	0.71	0.72	0.39	0.43	0.48	0.77	0.80	0.83	1.86	1.94	2.03
Urban	TEMPORARY	0.00	0.00	0.00	0.03	0.03	0.04	0.02	0.02	0.02	0.05	0.05	0.06
Urban	VIGILANCE	-	-	-	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.04
<b>Urban</b>	<b>Total</b>	<b>2.20</b>	<b>2.26</b>	<b>2.33</b>	<b>1.82</b>	<b>1.96</b>	<b>2.13</b>	<b>1.21</b>	<b>1.28</b>	<b>1.34</b>	<b>5.23</b>	<b>5.50</b>	<b>5.79</b>
Rural	UPTO 3 HP	0.65	0.71	0.78	0.07	0.07	0.07	0.11	0.12	0.12	0.83	0.90	0.97
Rural	> 3 UPTO 5 HP	1.01	1.13	1.28	0.93	1.00	1.07	0.22	0.24	0.26	2.15	2.37	2.61
Rural	> 5 UPTO 10 HP	1.45	1.62	1.80	1.20	1.23	1.26	0.53	0.55	0.57	3.18	3.40	3.64
Rural	>10 UPTO 20 HP	1.01	1.09	1.18	1.01	1.17	1.34	0.45	0.46	0.46	2.47	2.71	2.98
Rural	>ABOVE 20 HP	4.74	4.88	5.03	2.53	3.02	3.61	0.87	0.92	0.96	8.14	8.82	9.60
Rural	TEMPORARY	0.10	0.11	0.12	0.06	0.06	0.06	0.02	0.02	0.02	0.18	0.19	0.20
Rural	VIGILANCE	-	-	-	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00
<b>Rural</b>	<b>Total</b>	<b>8.96</b>	<b>9.55</b>	<b>10.20</b>	<b>5.79</b>	<b>6.54</b>	<b>7.42</b>	<b>2.21</b>	<b>2.30</b>	<b>2.39</b>	<b>16.95</b>	<b>18.39</b>	<b>20.01</b>
Total	UPTO 3 HP	0.90	0.96	1.03	0.15	0.15	0.15	0.14	0.14	0.15	1.19	1.26	1.33
Total	> 3 UPTO 5 HP	1.20	1.33	1.48	1.26	1.34	1.42	0.28	0.31	0.34	2.74	2.98	3.24
Total	> 5 UPTO 10 HP	1.87	2.04	2.23	1.68	1.74	1.80	0.74	0.79	0.84	4.29	4.57	4.87
Total	>10 UPTO 20 HP	1.64	1.77	1.90	1.49	1.71	1.96	0.57	0.57	0.57	3.69	4.04	4.43
Total	>ABOVE 20 HP	5.43	5.59	5.75	2.92	3.45	4.09	1.64	1.71	1.79	10.00	10.76	11.63
Total	TEMPORARY	0.11	0.12	0.13	0.08	0.09	0.09	0.03	0.04	0.04	0.23	0.24	0.26
Total	VIGILANCE	-	-	-	0.03	0.03	0.03	0.02	0.02	0.02	0.04	0.04	0.04
<b>Total</b>	<b>Total</b>	<b>11.16</b>	<b>11.81</b>	<b>12.52</b>	<b>7.60</b>	<b>8.50</b>	<b>9.55</b>	<b>3.42</b>	<b>3.57</b>	<b>3.73</b>	<b>22.18</b>	<b>23.89</b>	<b>25.80</b>

#### 3.2.7.1 East Discom

The growth rates assumed for future projections and revised estimates for this category by East Discom are as follows:

**Table 28: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
UPTO 3 HP	4.42%	3 Year CAGR	4.42%	3 Year CAGR	0.00%	No Growth
> 3 UPTO 5 HP	0.00%	No Growth	0.00%	No Growth	3.00%	Nominal Growth
> 5 UPTO 10 HP	3.57%	3 Year CAGR	3.57%	3 Year CAGR	0.00%	No Growth
>10 UPTO 20 HP	10.56%	5 Year CAGR	10.56%	5 Year CAGR	6.50%	5 Year CAGR
>ABOVE 20 HP	5.00%	Nominal Growth	5.00%	Nominal Growth	2.23%	4 Year CAGR
TEMPORARY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
UPTO 3 HP	11.06%	3 Year CAGR	16.09%	3 Year CAGR	9.53%	3 Year CAGR
> 3 UPTO 5 HP	7.00%	Nominal Growth	10.14%	3 Year CAGR	12.67%	5 Year CAGR
> 5 UPTO 10 HP	12.13%	3 Year CAGR	11.63%	3 Year CAGR	11.55%	3 Year CAGR
>10 UPTO 20 HP	10.80%	2 Year CAGR	10.77%	2 Year CAGR	8.36%	2 Year CAGR
>ABOVE 20 HP	5.97%	4 Year CAGR	3.00%	Nominal Growth	3.00%	Nominal Growth
TEMPORARY	0.00%	No Growth	0.00%	No Growth	8.54%	5 Year CAGR

### 3.2.7.2 Central Discom

The growth rates assumed for future projections and revised estimates for this category by Central Discom are as follows:

**Table 29: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
UPTO 3 HP	10.72%	3 Year CAGR	10.72%	3 Year CAGR	0.00%	No Growth
> 3 UPTO 5 HP	4.07%	4 Year CAGR	4.07%	4 Year CAGR	2.65%	3 Year CAGR
> 5 UPTO 10 HP	8.45%	5 Year CAGR	8.45%	5 Year CAGR	5.86%	4 Year CAGR
>10 UPTO 20 HP	7.31%	2 Year CAGR	7.31%	2 Year CAGR	13.95%	2 Year CAGR
>ABOVE 20 HP	6.40%	5 Year CAGR	6.40%	5 Year CAGR	10.34%	3 Year CAGR
TEMPORARY	24.47%	4 Year CAGR	24.47%	4 Year CAGR	14.50%	4 Year CAGR
VIGILANCE	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
UPTO 3 HP	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
> 3 UPTO 5 HP	0.00%	No Growth	0.00%	No Growth	7.55%	3 Year CAGR
> 5 UPTO 10 HP	13.53%	5 Year CAGR	9.50%	3 Year CAGR	2.77%	3 Year CAGR
>10 UPTO 20 HP	17.33%	3 Year CAGR	14.88%	2 Year CAGR	15.25%	2 Year CAGR
>ABOVE 20 HP	12.14%	3 Year CAGR	13.49%	3 Year CAGR	19.59%	2 Year CAGR
TEMPORARY	25.00%	1 Year Growth	11.03%	1 Year Growth	0.00%	No Growth

### 3.2.7.3 West Discom

The growth rates assumed for future projections and revised estimates for this category by West Discom are as follows:

**Table 30: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
UPTO 3 HP	-4.35%	3 Year CAGR	-4.35%	3 Year CAGR	0.00%	No Growth
> 3 UPTO 5 HP	6.48%	4 Year CAGR	6.48%	4 Year CAGR	6.16%	3 Year CAGR
> 5 UPTO 10 HP	6.96%	5 Year CAGR	6.96%	5 Year CAGR	13.91%	4 Year CAGR
>10 UPTO 20 HP	-6.46%	2 Year CAGR	-6.46%	2 Year CAGR	-1.42%	2 Year CAGR
>ABOVE 20 HP	5.39%	5 Year CAGR	5.39%	5 Year CAGR	3.59%	3 Year CAGR
TEMPORARY	18.92%	4 Year CAGR	18.92%	4 Year CAGR	13.45%	4 Year CAGR

Rural						
Category	Consumers		Load (kW)		Consumption	
UPTO 3 HP	0.00%	No Growth	0.00%	No Growth	3.91%	1 Year Growth
> 3 UPTO 5 HP	0.00%	No Growth	0.00%	No Growth	9.97%	3 Year CAGR
> 5 UPTO 10 HP	11.55%	5 Year CAGR	12.42%	3 Year CAGR	3.52%	1 Year Growth
>10 UPTO 20 HP	4.55%	3 Year CAGR	10.73%	2 Year CAGR	0.80%	2 Year CAGR
>ABOVE 20 HP	12.11%	3 Year CAGR	9.68%	3 Year CAGR	4.84%	4 Year CAGR
TEMPORARY	-28.57%	1 Year Growth	-37.76%	1 Year Growth	0.00%	No Growth

### 3.2.8 LV-6 E- Vehicle / E-Rickshaw Charging Station

The projection of sales for this category is as follows:

Table 31: Energy Sales for LV 6 (MUs)

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	EV-Charging	0.44	1.02	2.37	0.55	1.16	2.46	1.42	3.02	6.42	2.40	5.19	11.24
Rural	EV-Charging	0.09	0.14	0.21	0.27	0.40	0.61	0.19	0.28	0.42	0.55	0.82	1.23
<b>Total</b>	<b>EV-Charging</b>	<b>0.53</b>	<b>1.15</b>	<b>2.57</b>	<b>0.81</b>	<b>1.56</b>	<b>3.06</b>	<b>1.61</b>	<b>3.30</b>	<b>6.84</b>	<b>2.95</b>	<b>6.02</b>	<b>12.48</b>

#### 3.2.8.1 East Discom

The growth rates assumed for future projections are as follows:

Table 32: Growth Percentage Assumption East Discom

Urban						
Category	Consumers		Load (kW)		Consumption	
LT EV-CHARGING PT.	57.60%	2 Year CAGR	57.60%	2 Year CAGR	133.04%	2 Year CAGR

Rural						
Category	Consumers		Load (kW)		Consumption	
LT EV-CHARGING PT.	175.00%	1 Year Growth	50.00%	Nominal Growth	50.00%	Nominal Growth

#### 3.2.8.2 Central Discom

The growth rates assumed for future projections are as follows: -

Table 33: Growth Percentage Assumption Central Discom

Urban						
Category	Consumers		Load (kW)		Consumption	
LT EV-CHARGING PT.	46.14%	2 Year CAGR	46.14%	2 Year CAGR	112.35%	2 Year CAGR

Rural						
Category	Consumers		Load (kW)		Consumption	
LT EV-CHARGING PT.	120.00%	1 Year Growth	50.00%	Nominal Growth	50.00%	Nominal Growth

#### 3.2.8.3 West Discom

The growth rates assumed for future projections are as follows:

**Table 34: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
LT EV-CHARGING PT.	23.58%	2 Year CAGR	23.58%	2 Year CAGR	112.63%	2 Year CAGR

Rural						
Category	Consumers		Load (kW)		Consumption	
LT EV-CHARGING PT.	32.50%	1 Year Growth	50.00%	Nominal Growth	50.00%	Nominal Growth

### 3.2.9 HV-1: Railway Traction

The Petitioners have signed a contract with Railways in FY 2020-21 for on-demand supply of electricity. Accordingly, the sales projection for this category is as follows:

**Table 35: Energy Sales for HV 1 (MUs)**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	132 kV supply	0	0	0	0	55.32	55.32	0	0	0	0	55.32	55.32
Rural	132 kV supply	0	0	0	0	0.00	0.00	0	0	0	0	0.00	0.00
<b>Total</b>	<b>132 kV supply</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55.32</b>	<b>55.32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55.32</b>	<b>55.32</b>

#### 3.2.9.1 Central Discom

There has been no sale to Railways in FY 2018-19 to 2022-23 and FY 2023-24. However, owing to the new contract signed with Railways, and looking at the historic trend of sales from the time when, Railways used to draw power from Discom's, One Connection of 10,000 kVA is expected in the year FY 2026-27. With a load factor of 30% and power factor of 0.95, approximately 55 MUs worth of sales is expected.

Urban						
Category	Consumers		Load (kW)		Consumption	
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

### 3.2.10 HV -2: Coal Mines

The projection of sales for this category is as shown below:

**Table 36: Energy Sales for HV 2 (MUs)**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	132 KV SUPPLY	250.48	250.48	250.48	22.90	22.90	22.90	-	-	-	273.38	273.38	273.38
Urban	33 KV SUPPLY	164.27	164.27	164.27	-	-	-	-	-	-	164.27	164.27	164.27

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	11 KV SUPPLY	0.61	0.61	0.61	-	-	-	-	-	-	0.61	0.61	0.61
<b>Urban</b>	<b>Total</b>	<b>415.36</b>	<b>415.36</b>	<b>415.36</b>	<b>22.90</b>	<b>22.90</b>	<b>22.90</b>	-	-	-	<b>438.26</b>	<b>438.26</b>	<b>438.26</b>
Rural	132 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
Rural	33 KV SUPPLY	71.91	71.91	71.91	-	-	-	-	-	-	71.91	71.91	71.91
Rural	11 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
<b>Rural</b>	<b>Total</b>	<b>71.91</b>	<b>71.91</b>	<b>71.91</b>	-	-	-	-	-	-	<b>71.91</b>	<b>71.91</b>	<b>71.91</b>
Total	132 KV SUPPLY	250.48	250.48	250.48	22.90	22.90	22.90	-	-	-	273.38	273.38	273.38
Total	33 KV SUPPLY	236.18	236.18	236.18	-	-	-	-	-	-	236.18	236.18	236.18
Total	11 KV SUPPLY	0.61	0.61	0.61	-	-	-	-	-	-	0.61	0.61	0.61
<b>Total</b>	<b>Total</b>	<b>487.27</b>	<b>487.27</b>	<b>487.27</b>	<b>22.90</b>	<b>22.90</b>	<b>22.90</b>	-	-	-	<b>510.17</b>	<b>510.17</b>	<b>510.17</b>

3.2.10.1 East Discom

Table 37: Growth Percentage Assumption East Discom

Urban						
Category	Consumers		Load (kW)		Consumption	
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Rural						
Category	Consumers		Load (kW)		Consumption	
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

3.2.10.2 Central Discom

No Growth has been considered except nominal growth in urban area.

Table 38: Growth Percentage Assumption Central Discom

Urban						
Category	Consumers		Load (kW)		Consumption	
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Rural						
Category	Consumers		Load (kW)		Consumption	
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

3.2.10.3 West Discom

West Discom lacks any consumer base for this category.

Urban						
Category	Consumers		Load (kW)		Consumption	
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

### 3.2.11 HV 3: Industrial and Non-Industrial

The projections Sales for HV 3. are as follows:

Table 39: Energy Sales for HV 3 (MUs)

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	11 kV supply	136	143	151	76	83	90	257	271	286	469	497	527
Urban	33 kV supply	813	870	931	1,241	1,369	1,510	3,610	3,827	4,056	5,664	6,066	6,498
Urban	132 kV supply	594	624	656	1,263	1,294	1,326	1,046	1,159	1,284	2,902	3,077	3,267
Urban	220/ 400 kV supply	269	292	318	431	431	431	36	36	36	736	759	784
<b>Urban</b>	<b>Total</b>	<b>1,813</b>	<b>1,930</b>	<b>2,056</b>	<b>3,010</b>	<b>3,177</b>	<b>3,358</b>	<b>4,949</b>	<b>5,293</b>	<b>5,663</b>	<b>9,772</b>	<b>10,399</b>	<b>11,076</b>
Rural	11 kV supply	26	26	26	4	4	4	9	9	9	39	40	40
Rural	33 kV supply	261	275	288	395	402	410	370	386	402	1,027	1,063	1,100
Rural	132 kV supply	811	811	811	79	81	84	48	40	33	937	932	929
Rural	220/ 400 kV supply	72	72	72	-	-	-	-	-	-	72	72	72
<b>Rural</b>	<b>Total</b>	<b>1,171</b>	<b>1,184</b>	<b>1,198</b>	<b>478</b>	<b>488</b>	<b>498</b>	<b>427</b>	<b>435</b>	<b>444</b>	<b>2,075</b>	<b>2,107</b>	<b>2,140</b>
Total	11 kV supply	163	170	177	80	87	94	265	280	295	508	537	567
Total	33 kV supply	1,075	1,145	1,220	1,636	1,771	1,920	3,980	4,213	4,458	6,691	7,129	7,598
Total	132 kV supply	1,405	1,435	1,467	1,341	1,375	1,411	1,094	1,199	1,318	3,840	4,010	4,195
Total	220/ 400 kV supply	341	364	389	431	431	431	36	36	36	808	831	856
<b>Total</b>	<b>Total</b>	<b>2,983</b>	<b>3,114</b>	<b>3,253</b>	<b>3,488</b>	<b>3,665</b>	<b>3,856</b>	<b>5,376</b>	<b>5,727</b>	<b>6,107</b>	<b>11,847</b>	<b>12,506</b>	<b>13,216</b>

#### 3.2.11.1 Sales for HV 3.2 & 3.3

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	11 KV SUPPLY	100	104	108	120	127	134	146	161	178	365	391	420

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	33 KV SUPPLY	159	168	177	472	513	559	406	437	470	1,037	1,118	1,205
Urban	132 KV SUPPLY	0	0	0	0	0	0	59	59	59	60	60	60
<b>Urban</b>	<b>Total</b>	<b>259</b>	<b>272</b>	<b>285</b>	<b>592</b>	<b>640</b>	<b>693</b>	<b>611</b>	<b>657</b>	<b>707</b>	<b>1,462</b>	<b>1,569</b>	<b>1,685</b>
Rural	11 KV SUPPLY	11	11	12	3	3	3	4	4	5	18	19	20
Rural	33 KV SUPPLY	56	58	61	13	13	14	30	31	32	99	103	108
Rural	132 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
<b>Rural</b>	<b>Total</b>	<b>67</b>	<b>70</b>	<b>73</b>	<b>16</b>	<b>17</b>	<b>17</b>	<b>34</b>	<b>36</b>	<b>37</b>	<b>117</b>	<b>122</b>	<b>128</b>
Total	11 KV SUPPLY	110	115	120	123	130	137	150	165	183	383	410	440
Total	33 KV SUPPLY	215	226	238	484	527	573	436	468	502	1,136	1,221	1,313
Total	132 KV SUPPLY	0	0	0	0	0	0	59	59	59	60	60	60
<b>Total</b>	<b>Total</b>	<b>326</b>	<b>342</b>	<b>358</b>	<b>608</b>	<b>657</b>	<b>710</b>	<b>645</b>	<b>693</b>	<b>744</b>	<b>1,579</b>	<b>1,691</b>	<b>1,813</b>

3.2.11.1.1 **East Discom**

The assumptions for sales forecast for the Industrial category HV 3.1 are as given below:

**Table 40: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	8.50%	5 Year CAGR	8.50%	5 Year CAGR	5.19%	5 Year CAGR
33 KV SUPPLY	7.00%	Nominal Growth	7.00%	Nominal Growth	7.00%	Nominal Growth
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	5.11%	2 Year CAGR
220/ 400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	8.59%	3 Year CAGR

Rural						
Category	Consumers		Load (kW)		Consumption	
33 KV SUPPLY	1.30%	Nominal Growth	0.00%	No Growth	0.00%	5 Year CAGR
132 KV SUPPLY	2.16%	Nominal Growth	2.35%	3 Year CAGR	5.00%	Nominal Growth
11 KV SUPPLY	0.00%	No Growth	2.90%	5 Year CAGR	0.00%	No Growth
220/ 400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

The East Discom sales forecast for the non-Industrial category HV 3.2 & 3.3 are as given below:

**Table 41: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	5.44%	5 Year CAGR	5.44%	5 Year CAGR	4.04%	5 Year CAGR
33 KV SUPPLY	7.17%	5 Year CAGR	7.17%	5 Year CAGR	5.38%	5 Year CAGR
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
132 KV SUPPLY	4.76%	1 Year Growth	0.00%	No Growth	5.81%	3 Year CAGR
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	4.72%	3 Year CAGR
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

3.2.11.1.2 **Central Discom**

The assumptions for sales forecast for the Industrial category HV 3.1 are as given below:

**Table 42: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	4.90%	3 Year CAGR	4.90%	3 Year CAGR	8.69%	3 Year CAGR
33 KV SUPPLY	9.59%	3 Year CAGR	9.59%	3 Year CAGR	10.32%	3 Year CAGR
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	2.50%	4 Year CAGR
220/ 400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	3.32%	2 Year CAGR
33 KV SUPPLY	0.00%	No Growth	2.34%	3 Year CAGR	1.86%	4 Year CAGR
132 KV SUPPLY	0.00%	No Growth	6.50%	5 Year CAGR	3.63%	3 Year CAGR
220/ 400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

The Central Discom sales forecast for the non-Industrial category HV 3.2 are as given in the Table below:

**Table 43: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	7.00%	Nominal Growth	7.00%	Nominal Growth	5.57%	3 Year CAGR
33 KV SUPPLY	10.00 %	Nominal Growth	10.00%	Nominal Growth	8.86%	5 Year CAGR
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	7.42%	3 Year CAGR
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	4.43%	3 Year CAGR
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

3.2.11.1.3 **West Discom**

The assumptions for sales forecast for the Industrial category HV 3.1 are as given below:

**Table 44: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	7.08%	5 Year CAGR	7.08%	5 Year CAGR	5.62%	1 Year Growth
33 KV SUPPLY	4.88%	5 Year CAGR	4.88%	5 Year CAGR	6.00%	Nominal Growth
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	10.80%	1 Year Growth
220/ 400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	-0.08%	2 Year CAGR
33 KV SUPPLY	0.00%	No Growth	-0.97%	3 Year CAGR	4.19%	4 Year CAGR
132 KV SUPPLY	0.00%	No Growth	0.00%	1 Year Growth	-16.43%	3 Year CAGR
220/ 400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

The assumptions for sales forecast for the Non-Industrial category HV 3.2 & 3.3 are as given below:

**Table 45: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	3.83%	3 Year CAGR	3.83%	3 Year CAGR	10.55%	3 Year CAGR
33 KV SUPPLY	5.13%	5 Year CAGR	5.13%	5 Year CAGR	7.53%	5 Year CAGR
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	10.12%	3 Year CAGR
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	3.54%	3 Year CAGR
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

3.2.11.2 **Sales for HV 3.4**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	11 KV SUPPLY	0	0	0	-	-	-	-	-	-	0	0	0
Urban	33 KV SUPPLY	175	190	206	316	299	283	148	157	166	639	646	655
Urban	132 KV SUPPLY	-	-	-	249	-	-	632	649	667	881	649	667
Urban	220/400KV SUPPLY	-	-	-	172	172	172	-	-	-	172	172	172
<b>Urban</b>	<b>Total</b>	<b>175</b>	<b>190</b>	<b>206</b>	<b>737</b>	<b>471</b>	<b>455</b>	<b>780</b>	<b>806</b>	<b>833</b>	<b>1,692</b>	<b>1,467</b>	<b>1,493</b>

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Rural	11 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
Rural	33 KV SUPPLY	64	68	74	-	-	-	-	-	-	64	68	74
Rural	132 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
Rural	220/400KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
<b>Rural</b>	<b>Total</b>	<b>64</b>	<b>68</b>	<b>74</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>64</b>	<b>68</b>	<b>74</b>
Total	11 KV SUPPLY	0	0	0	-	-	-	-	-	-	0	0	0
Total	33 KV SUPPLY	239	258	279	316	299	283	148	157	166	703	714	728
Total	132 KV SUPPLY	-	-	-	249	-	-	632	649	667	881	649	667
Total	220/400KV SUPPLY	-	-	-	172	172	172	-	-	-	172	172	172
<b>Total</b>	<b>Total</b>	<b>239</b>	<b>258</b>	<b>279</b>	<b>737</b>	<b>471</b>	<b>455</b>	<b>780</b>	<b>806</b>	<b>833</b>	<b>1,756</b>	<b>1,535</b>	<b>1,567</b>

3.2.11.2.1 **East Discom**

The assumptions for sales forecast for the Industrial category HV 3.4 are as given below

**Table 46: Growth Percentage Assumption for HV 3.4 East Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	8.24%	3 Year CAGR
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
220/400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
33 KV SUPPLY	0.00%	No Growth	3.23%	4 Year CAGR	7.80%	3 Year CAGR
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
220/400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

3.2.11.2.2 **Central Discom**

The assumptions for sales forecast for the Industrial category HV 3.4 are as given below

**Table 47: Growth Percentage Assumption for HV 3.4 Central Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	-5.39%	Nominal Growth
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
220/400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
220/400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

**3.2.11.2.3 West Discom**

The assumptions for sales forecast for the Industrial category HV 3.4 are as given below

**Table 48: Growth Percentage Assumption for HV 3.4 West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	6.00%	Nominal Growth
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	2.71%	2 Year CAGR
220/400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
220/400 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

**3.2.12 HV 4: Seasonal**

The future projections are as follows:

**Table 49: Energy Sales for HV 4 (MUs)**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	33 KV SUPPLY	13.67	14.35	15.07	3.40	3.57	3.75	6.63	6.96	7.31	23.69	24.88	26.12
Urban	11 KV SUPPLY	1.81	1.97	2.15	0.81	0.81	0.81	2.26	2.26	2.26	4.88	5.04	5.22
<b>Urban</b>	<b>Total</b>	<b>15.48</b>	<b>16.33</b>	<b>17.22</b>	<b>4.21</b>	<b>4.38</b>	<b>4.56</b>	<b>8.88</b>	<b>9.22</b>	<b>9.56</b>	<b>28.58</b>	<b>29.92</b>	<b>31.34</b>
Rural	33 KV SUPPLY	2.67	2.67	2.67	0.02	0.02	0.02	2.82	2.96	3.11	5.51	5.65	5.80
Rural	11 KV SUPPLY	0.05	0.05	0.05	-	-	-	0.28	0.28	0.28	0.33	0.33	0.33
<b>Rural</b>	<b>Total</b>	<b>2.72</b>	<b>2.72</b>	<b>2.72</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>3.10</b>	<b>3.24</b>	<b>3.39</b>	<b>5.84</b>	<b>5.98</b>	<b>6.13</b>

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Total	33 KV SUPPLY	16.33	17.02	17.73	3.42	3.59	3.77	9.45	9.92	10.41	29.20	30.53	31.92
Total	11 KV SUPPLY	1.87	2.03	2.20	0.81	0.81	0.81	2.54	2.54	2.54	5.22	5.38	5.55
<b>Total</b>	<b>Total</b>	<b>18.20</b>	<b>19.05</b>	<b>19.94</b>	<b>4.23</b>	<b>4.40</b>	<b>4.58</b>	<b>11.98</b>	<b>12.45</b>	<b>12.95</b>	<b>34.42</b>	<b>35.90</b>	<b>37.47</b>

### 3.2.12.1 East Discom

The assumptions for sales forecast for the category are given below:

**Table 50: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
33 KV SUPPLY	5.00%	Nominal Growth	5.00%	Nominal Growth	5.00%	Nominal Growth
11 KV SUPPLY	22.87%	5 Year CAGR	22.87%	5 Year CAGR	8.90%	5 Year CAGR

Rural						
Category	Consumers		Load (kW)		Consumption	
33 KV SUPPLY	5.00%	Nominal Growth	0.00%	No Growth	0.00%	No Growth
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

### 3.2.12.2 Central Discom

The assumptions for sales forecast for the category are given below:

**Table 51: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
33 KV SUPPLY	5.00%	Nominal Growth	5.00%	Nominal Growth	5.00%	Nominal Growth
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
33 KV SUPPLY	5.00%	Nominal Growth	5.00%	Nominal Growth	5.00%	Nominal Growth
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

### 3.2.12.3 West Discom

The assumptions for sales forecast for the category are given below:

**Table 52: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
33 KV SUPPLY	5.00%	Nominal Growth	5.00%	Nominal Growth	5.00%	Nominal Growth
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
33 KV SUPPLY	5.00%	Nominal Growth	5.00%	Nominal Growth	5.00%	Nominal Growth
11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

**3.2.13 HV 5: Water Works, Lift Irrigation & Other Agricultural use**

The future projections are as follows:

**Table 53: Energy Sales for HV 5 (MUs)**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	PWW/LI-11 kV SUPPLY	11	11	12	16	17	18	7	7	8	34	36	38
Urban	PWW/LI-33 kV SUPPLY	172	185	197	254	289	328	372	423	481	799	896	1,007
Urban	PWW/LI-132 kV SUPPLY	-	-	-	152	167	184	317	412	536	469	579	719
Urban	Oth IRR- 11 kV Supply	3	3	3	0	0	0	2	1	1	6	5	4
Urban	Oth IRR- 33 kV Supply	9	9	9	7	7	8	7	11	16	22	27	34
<b>Urban</b>	<b>Total</b>	<b>195</b>	<b>208</b>	<b>222</b>	<b>429</b>	<b>481</b>	<b>539</b>	<b>706</b>	<b>854</b>	<b>1,041</b>	<b>1,330</b>	<b>1,543</b>	<b>1,802</b>
Rural	PWW/LI-11 kV SUPPLY	2	2	2	1	2	2	7	7	7	10	10	11
Rural	PWW/LI-33 kV SUPPLY	65	67	69	29	31	33	116	110	104	210	208	207
Rural	PWW/LI-132 kV SUPPLY	1	1	1	-	-	-	496	488	480	497	488	481
Rural	Oth IRR- 11 kV Supply	0	0	0	0	0	0	-	-	-	0	0	0
Rural	Oth IRR- 33 kV Supply	6	8	10	4	5	6	-	-	-	11	13	15
<b>Rural</b>	<b>Total</b>	<b>73</b>	<b>77</b>	<b>82</b>	<b>35</b>	<b>38</b>	<b>40</b>	<b>619</b>	<b>605</b>	<b>591</b>	<b>727</b>	<b>720</b>	<b>713</b>
Total	PWW/LI-11 kV SUPPLY	12	13	14	17	19	20	14	14	15	44	46	48
Total	PWW/LI-33 kV SUPPLY	237	252	267	284	320	361	488	533	585	1,009	1,104	1,213
Total	PWW/LI-132 kV SUPPLY	1	1	1	152	167	184	813	900	1,016	965	1,068	1,200
Total	Oth IRR- 11 kV Supply	4	4	4	0	0	0	2	1	1	6	5	5
Total	Oth IRR- 33 kV Supply	15	17	19	11	13	14	7	11	16	33	40	49
<b>Total</b>	<b>Total</b>	<b>269</b>	<b>285</b>	<b>304</b>	<b>464</b>	<b>518</b>	<b>579</b>	<b>1,324</b>	<b>1,459</b>	<b>1,632</b>	<b>2,057</b>	<b>2,263</b>	<b>2,515</b>

**3.2.1.1 East Discom**

The growth percentages for sales forecast for the HT Water Works, Lift Irrigation & Other Agricultural category are given below:

**Table 54: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
PWW/LI-11 kV Supply	10.29%	5 Year CAGR	10.29%	5 Year CAGR	6.09%	3 Year CAGR
PWW/LI-33 kV Supply	10.00%	Nominal Growth	10.00%	Nominal Growth	7.00%	Nominal Growth
PWW/LI-132 kV Supply	0.00%	No Growth	0.00%	No Growth	0.00%	5 Year CAGR
Oth IRR- 11 kV Supply	4.00%	3 Year CAGR	4.00%	3 Year CAGR	0.00%	No Growth
Oth IRR- 33 kV Supply	3.23%	3 Year CAGR	3.23%	3 Year CAGR	4.16%	5 Year CAGR

Rural						
Category	Consumers		Load (kW)		Consumption	
PWW/LI-11 kV Supply	0.00%	No Growth	0.00%	No Growth	1.18%	3 Year CAGR
PWW/LI-33 kV Supply	1.92%	5 Year CAGR	4.25%	5 Year CAGR	3.49%	2 Year CAGR
PWW/LI-132 kV Supply	0.00%	No Growth	0.00%	No Growth	5.51%	3 Year CAGR
Oth IRR- 11 kV Supply	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Oth IRR- 33 kV Supply	0.00%	No Growth	20.00%	Nominal Growth	25.00%	Nominal Growth

### 3.2.1.2 Central Discom

The growth percentages for sales forecast for the HT Water Works, Lift Irrigation & Other Agricultural category are given below:

**Table 55: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
PWW/LI-11 kV Supply	14.39%	5 Year CAGR	14.39%	5 Year CAGR	6.99%	5 Year CAGR
PWW/LI-33 kV Supply	12.69%	5 Year CAGR	12.69%	5 Year CAGR	13.61%	5 Year CAGR
PWW/LI-132 kV Supply	0.00%	No Growth	0.00%	No Growth	10.00%	Nominal Growth
Oth IRR- 11 kV Supply	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Oth IRR- 33 kV Supply	6.23%	5 Year CAGR	6.23%	5 Year CAGR	12.98%	3 Year CAGR

Rural						
Category	Consumers		Load (kW)		Consumption	
PWW/LI-11 kV Supply	0.00%	No Growth	0.00%	No Growth	5.18%	3 Year CAGR
PWW/LI-33 kV Supply	0.00%	No Growth	0.00%	No Growth	6.10%	5 Year CAGR
PWW/LI-132 kV Supply	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Oth IRR- 11 kV Supply	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Oth IRR- 33 kV Supply	4.56%	5 Year CAGR	4.95%	5 Year CAGR	13.80%	5 Year CAGR

### 3.2.1.3 West Discom

The growth percentages for sales forecast for the HT Water Works, Lift Irrigation & Other Agricultural category are given below:

**Table 56: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
PWW/LI-11 kV Supply	6.32%	2 Year CAGR	6.32%	2 Year CAGR	0.52%	1 Year Growth
PWW/LI-33 kV Supply	11.24%	1 Year Growth	11.24%	1 Year Growth	13.70%	1 Year Growth
PWW/LI-132 kV Supply	20.00%	Nominal Growth	20.00%	Nominal Growth	30.00%	Nominal Growth
Oth IRR- 11 kV Supply	-20.23%	2 Year CAGR	-20.23%	2 Year CAGR	-44.57%	2 Year CAGR
Oth IRR- 33 kV Supply	86.63%	3 Year CAGR	86.63%	3 Year CAGR	50.00%	Nominal Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
PWW/LI-11 kV Supply	0.00%	No Growth	0.00%	No Growth	2.69%	2 Year CAGR
PWW/LI-33 kV Supply	0.85%	3 Year CAGR	3.00%	Nominal Growth	-5.09%	3 Year CAGR
PWW/LI-132 kV Supply	0.00%	No Growth	0.00%	No Growth	-1.64%	1 Year Growth
Oth IRR- 11 kV Supply	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
Oth IRR- 33 kV Supply	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

### 3.2.14 HV 6: Bulk Residential users

The future projections are as follows:

**Table 57: Energy Sales for HV 6 (MUs)**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	BR-11 KV SUPPLY	0	0	0	1	1	1	0	0	1	1	2	2
Urban	BR-33 KV SUPPLY	-	-	-	6	6	7	1	1	2	7	8	9
Urban	BR-132 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
Urban	RC Town-11 KV SUPPLY	12	12	12	4	4	5	5	6	6	21	22	23
Urban	RC Town-33 KV SUPPLY	168	168	168	137	139	141	35	37	39	340	344	348
Urban	RC Town-132 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
<b>Urban</b>	<b>Total</b>	<b>180</b>	<b>181</b>	<b>181</b>	<b>147</b>	<b>150</b>	<b>154</b>	<b>42</b>	<b>44</b>	<b>47</b>	<b>370</b>	<b>375</b>	<b>381</b>
Rural	BR-11 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
Rural	BR-33 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
Rural	BR-132 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
Rural	RC Town-11 KV SUPPLY	3	3	3	12	12	12	-	-	-	15	15	15
Rural	RC Town-33 KV SUPPLY	44	44	44	3	3	4	1	1	1	49	49	49
Rural	RC Town-132 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
<b>Rural</b>	<b>Total</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>63</b>	<b>64</b>	<b>64</b>
Total	BR-11 KV SUPPLY	0	0	0	1	1	1	0	0	1	1	2	2
Total	BR-33 KV SUPPLY	-	-	-	6	6	7	1	1	2	7	8	9
Total	BR-132 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
Total	RC Town-11 KV SUPPLY	15	15	15	16	16	16	5	6	6	36	37	38
Total	RC Town-33 KV SUPPLY	213	213	213	140	142	145	36	38	40	389	393	397
Total	RC Town-132 KV SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>Total</b>	<b>228</b>	<b>228</b>	<b>228</b>	<b>162</b>	<b>166</b>	<b>169</b>	<b>43</b>	<b>45</b>	<b>48</b>	<b>433</b>	<b>439</b>	<b>445</b>

**3.2.1.4 East Discom**

The assumptions for sales forecast for the category are given below:

**Table 58: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
BR-11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	4.71%	5 Year CAGR
BR-33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
BR-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
RC Town-11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	1.64%	3 Year CAGR

Urban						
Category	Consumers		Load (kW)		Consumption	
RC Town-33 KV SUPPLY	1.06%	3 Year CAGR	1.06%	3 Year CAGR	0.00%	No Growth
RC Town-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
BR-11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
BR-33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
BR-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
RC Town-11 KV SUPPLY	4.56%	5 Year CAGR	4.63%	3 Year CAGR	0.00%	No Growth
RC Town-33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
RC Town-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

### 3.2.1.5 Central Discom

The assumptions for sales forecast for the category are given below:

**Table 59: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
BR-11 KV SUPPLY	14.47%	3 Year CAGR	14.47%	3 Year CAGR	7.77%	5 Year CAGR
BR-33 KV SUPPLY	5.27%	3 Year CAGR	5.27%	3 Year CAGR	10.00%	Nominal Growth
BR-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
RC Town-11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	6.51%	3 Year CAGR
RC Town-33 KV SUPPLY	2.46%	5 Year CAGR	2.46%	5 Year CAGR	1.65%	3 Year CAGR
RC Town-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
BR-11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
BR-33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
BR-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
RC Town-11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
RC Town-33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	5.00%	Nominal Growth
RC Town-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

### 3.2.1.6 West Discom

The assumptions for sales forecast for the category are given below:

**Table 60: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
BR-11 KV SUPPLY	14.87%	5 Year CAGR	14.87%	5 Year CAGR	20.46%	3 Year CAGR
BR-33 KV SUPPLY	0.00%	3 Year CAGR	0.00%	3 Year CAGR	43.01%	3 Year CAGR
BR-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
RC Town-11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	3.41%	1 Year Growth
RC Town-33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	4.96%	1 Year Growth
RC Town-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
BR-11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
BR-33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
BR-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
RC Town-11 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth
RC Town-33 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	2.23%	2 Year Growth
RC Town-132 KV SUPPLY	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

### 3.2.15 HV-7: Requirement of Power for Generators Connected to the grid

The future projections are as follows:

**Table 61: Requirement of Power for Generators Connected to the grid (MUs)**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	SYNC OF POWER	3.27	3.50	3.74	3.72	3.97	4.25	20.91	22.61	24.45	27.89	30.08	32.44
Rural	SYNC OF POWER	0.10	0.10	0.10	1.01	1.01	1.01	7.10	7.10	7.10	8.21	8.21	8.21
Total	SYNC OF POWER	3.37	3.60	3.85	4.72	4.98	5.26	28.00	29.70	31.54	36.10	38.29	40.65

#### 3.2.1.7 East Discom

The assumptions for sales forecast for the category are given below:

**Table 62: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	15.00%	Nominal Growth	15.00%	Nominal Growth	7.00%	Nominal Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

#### 3.2.1.8 Central Discom

The assumptions for sales forecast for the category are given below:

**Table 63: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	8.00%	Nominal Growth	8.00%	Nominal Growth	6.93%	2 Year CAGR

Rural						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

#### 3.2.1.9 West Discom

The assumptions for sales forecast for the category are given below:

**Table 64: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	7.76%	2 Year CAGR	7.76%	2 Year CAGR	8.14%	2 Year CAGR

Rural						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

**3.2.16 HV-8 E- Vehicle / E-Rickshaws Charging Station**

The projection of sales for this category is as follows:

**Table 65: Energy Sales for HV 8 (MUs)**

Area	Sub-Category	EAST DISCOM			CENTRAL DISCOM			WEST DISCOM			STATE TOTAL		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	SYNC OF POWER	-	-	-	2.91	3.05	3.21	8.56	8.99	9.43	11.47	12.04	12.64
Rural	SYNC OF POWER	-	-	-	-	-	-	-	-	-	-	-	-
Total	SYNC OF POWER	-	-	-	2.91	3.05	3.21	8.56	8.99	9.43	11.47	12.04	12.64

**3.2.1.10 East Discom**

The growth rates assumed for future projections are as follows: -

**Table 66: Growth Percentage Assumption East Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	20.00%	Nominal Growth	20.00%	Nominal Growth	5.00%	Nominal Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

**3.2.1.11 Central Discom**

The growth rates assumed for future projections are as follows: -

**Table 67: Growth Percentage Assumption Central Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	100.00%	Nominal Growth	100.00%	Nominal Growth	5.00%	Nominal Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

**3.2.1.12 West Discom**

The growth rates assumed for future projections are as follows: -

**Table 68: Growth Percentage Assumption West Discom**

Urban						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	20.00%	Nominal Growth	20.00%	Nominal Growth	5.00%	Nominal Growth

Rural						
Category	Consumers		Load (kW)		Consumption	
SYNC OF POWER	0.00%	No Growth	0.00%	No Growth	0.00%	No Growth

### 3.2.17 HV-9 Metro Rail

The MPMRCL mentioned that the initial Projected Electric Power requirements for both Bhopal and Indore Metro Projects. Considering the recent development the projection of sales for this category is as follows:

**Table 69: Energy Sales for HV 9 (MUs)**

Area	Sub-Category	East Discom			Central Discom			West Discom			State Total		
		FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)	FY-25	FY-26 (RE)	FY-27 (Proj.)
Urban	132 KV Supply	-	-	-	0.7	1.1	1.6	-	-	8.2	0.7	1.1	9.8
Rural	132 KV Supply	-	-	-	-	-	-	-	-	-	-	-	-
Total	132 KV Supply	-	-	-	0.7	1.1	1.6	-	-	8.2	0.7	1.1	9.8

3.2.18 Based on the above, the summary of category wise total sales as estimated for FY 2026-27 is shown in the Table below:

**Table 70 : Summary of Energy Sales Projections for FY 2026-27 (MU)**

TC	Category	East Discom			Central Discom			West Discom			MP state		
		FY 25	FY 26 (RE)	FY 27 (Proj.)	FY 25	FY 26 (RE)	FY 27 (Proj.)	FY 25	FY 26 (RE)	FY 27 (Proj.)	FY 25	FY 26 (RE)	FY 27 (Proj.)
LV 1	Domestic	6663.05	7050.28	7357.57	6387.15	6624.63	6896.83	6872.66	7204.61	7645.21	19922.86	20879.52	21899.61
LV 2	Non-Domestic	1403.07	1539.95	1693.06	1445.58	1532.57	1639.30	1711.54	1837.15	1986.81	4560.19	4909.68	5319.17
LV 3	WW & Street Light	733.65	829.51	939.15	592.81	649.27	717.13	795.04	917.21	1073.78	2121.50	2395.99	2730.06
LV 4	LT Industrial	471.83	487.68	504.54	345.31	358.51	375.96	783.27	807.61	840.47	1600.42	1653.80	1720.98
LV 5.1	Agriculture Irrigation Pumps	7407.39	7964.25	8121.74	10305.43	10741.61	11204.92	11616.12	11964.78	12187.48	29328.94	30670.64	31514.15
LV 5.2	Agriculture related Use	11.16	11.81	12.52	7.60	8.50	9.55	3.42	3.57	3.73	22.18	23.89	25.80
LV6	LT EV	0.53	1.15	2.57	0.81	1.56	3.06	1.61	3.30	6.84	2.95	6.02	12.48
	<b>Total (LT)</b>	<b>16690.67</b>	<b>17884.65</b>	<b>18631.16</b>	<b>19084.70</b>	<b>19916.65</b>	<b>20846.75</b>	<b>21783.66</b>	<b>22738.23</b>	<b>23744.33</b>	<b>57559.03</b>	<b>60539.53</b>	<b>63222.25</b>
HV 1	Railway Traction	0.00	0.00	0.00	0.00	55.32	55.32	0.00	0.00	0.00	0.00	55.32	55.32
HV 2	Coal Mines	487.27	487.27	487.27	22.90	22.90	22.90	0.00	0.00	0.00	510.17	510.17	510.17
HV 3.1	Industrial	2983.43	3113.98	3253.06	3488.04	3664.58	3855.95	5375.82	5727.43	6107.00	11847.29	12505.99	13216.01
HV 3.2 & 3.3	Non-Industrial and shopping mall	325.94	341.80	358.45	607.61	656.88	710.26	645.37	692.78	744.20	1578.91	1691.46	1812.92
HV 3.4	Power Intensive	238.94	258.35	279.35	736.71	470.76	454.66	780.17	806.17	833.17	1755.82	1535.29	1567.17
HV 4	Seasonal	18.20	19.05	19.94	4.23	4.40	4.58	11.98	12.45	12.95	34.42	35.90	37.47
HV 5	Public Water Works & Irrigation	268.54	285.45	303.72	464.15	518.42	579.30	1324.48	1459.26	1632.22	2057.17	2263.13	2515.24
HV 6	Bulk Residential Users	227.86	228.07	228.29	162.20	165.52	168.97	42.90	45.27	47.89	432.95	438.86	445.15
HV 7	Start Up Power	3.37	3.60	3.85	4.72	4.98	5.26	28.00	29.70	31.54	36.10	38.29	40.65
HV 8	HT EV	0.00	0.00	0.00	2.91	3.05	3.21	8.56	8.99	9.43	11.47	12.04	12.64
HV 9	Metro	0.00	0.00	0.00	0.73	1.10	1.65	0.00	0.00	8.18	0.73	1.10	9.82
	<b>Total (HT)</b>	<b>4553.54</b>	<b>4737.56</b>	<b>4933.93</b>	<b>5494.21</b>	<b>5567.92</b>	<b>5862.05</b>	<b>8217.29</b>	<b>8782.07</b>	<b>9426.58</b>	<b>18265.04</b>	<b>19087.55</b>	<b>20222.56</b>
	<b>TOTAL LT+HT</b>	<b>21244.21</b>	<b>22622.21</b>	<b>23565.09</b>	<b>24578.91</b>	<b>25484.57</b>	<b>26708.80</b>	<b>30000.95</b>	<b>31520.30</b>	<b>33170.91</b>	<b>75824.06</b>	<b>79627.09</b>	<b>83444.80</b>

**A4: ENERGY REQUIREMENT AT DISCOM BOUNDARY & EX-BUS REQUIREMENT****4.1 Conversion of Annual Sales into Monthly Sales**

4.1.1 The annual sales of the Discoms have been converted into monthly sales using the sales profile actually observed over the past years for each Discom. This profile is then used to compute monthly sales for FY 2026-27. The profiling for all Discoms is given in the table below:

**Table 71: Month wise Sales Profile**

Month-wise Sales Profile Mix (%)														
Sr.no.	Discom	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
<b>1</b>	<b>FY 2023-24 (Actual)</b>													
a	East	7.59%	7.59%	8.09%	7.61%	7.55%	7.55%	8.91%	8.69%	8.90%	9.26%	9.20%	9.05%	100.00%
b	Central	7.28%	7.45%	7.76%	7.59%	7.54%	7.59%	8.95%	9.09%	9.00%	9.36%	9.43%	8.95%	100.00%
c	West	7.31%	7.48%	7.91%	7.40%	7.31%	7.21%	9.00%	9.01%	9.11%	9.41%	9.53%	9.31%	100.00%
<b>2</b>	<b>FY 2024-25 (Actual)</b>													
a	East	7.31%	7.67%	8.05%	7.36%	7.21%	7.29%	9.06%	8.85%	9.07%	9.43%	9.43%	9.27%	100.00%
b	Central	7.28%	7.83%	7.95%	7.44%	7.50%	7.53%	9.10%	9.15%	8.98%	9.13%	9.37%	8.74%	100.00%
c	West	7.23%	7.53%	8.06%	7.58%	7.25%	7.22%	8.95%	8.88%	9.17%	9.32%	9.54%	9.26%	100.00%
<b>3</b>	<b>FY 2025-26 &amp; FY 2026-27 (Projected)</b>													
a	East	7.45%	7.63%	8.07%	7.48%	7.37%	7.41%	8.99%	8.77%	8.99%	9.35%	9.32%	9.17%	100.00%
b	Central	7.28%	7.64%	7.86%	7.51%	7.52%	7.56%	9.02%	9.12%	8.99%	9.25%	9.40%	8.84%	100.00%
c	West	7.27%	7.51%	7.99%	7.49%	7.27%	7.22%	8.97%	8.95%	9.14%	9.37%	9.54%	9.29%	100.00%

## 4.2 Distribution Losses

4.2.1 It is to be noted that the Hon'ble Commission in its Regulation 26.1 of the MPERC (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021 had notified normative distribution loss levels for the MYT period FY 2022-23 to FY 2026-27 as shown in the Table below:

**Table 72: Trajectory of normative Distribution Losses (%)**

Sr.no.	Discom	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
1	East Discom	15.75%	15.50%	15.25%	15.00%	14.75%
2	Central Discom	16.75%	16.50%	16.25%	16.00%	15.75%
3	West Discom	14.75%	14.50%	14.25%	14.00%	13.75%

4.2.2 Further, on 26<sup>th</sup> July, 2023 MoP has notified the Electricity (Second Amendment) Rules, 2023. In the said amended Rules, under the framework for sustainability (Rule 20), in order to define a definite and reasonable goal for reduction of Aggregate Technical and Commercial (AT&C) loss, it was prescribed that *“the AT&C loss reduction trajectory would be approved by the State Commissions for tariff determination in accordance with the trajectory agreed by the respective State Governments and approved by the Central Government under any national scheme or programme, or otherwise”*.

4.2.3 Subsequently, the MoP vide its letter F.No.24-3/3/2019-PFC (MoP) Part(2) (E-263367) dated 30<sup>th</sup> May 2023 has formulated Loss trajectory from FY2021-22 to FY2027-28 under RDSS scheme that needs to be considered for tariff determination.

4.2.4 Taking cognizance of the above, the Hon'ble Commission on 7<sup>th</sup> December 2023, notified Second Amendment to MPERC Tariff Regulations 2021 wherein the loss targets have been revised. The relevant extract from the said amendments is as reproduced below:

*"26.2 The Commission specifies following normative Aggregate Technical & Commercial (AT&C) Loss reduction trajectory, Billing Efficiency, Collection Efficiency and Distribution Losses for Distribution Licensees for FY 2024-25 to FY 2026-27 under the Control Period of these Regulations:*

FY	Distribution Licensee	AT&C Losses	Billing Efficiency	Collection Efficiency	Distribution Losses
FY 2024-25	East Discom	19.49%	80.51%	100%	19.49%
	West Discom	13.40%	86.60%	100%	13.40%
	Central Discom	19.57%	80.43%	100%	19.57%
	SEZ, Pithampur	1.35%	98.65%	100%	1.35%
FY 2025-26	East Discom	17.00%	83.00%	100%	17.00%
	West Discom	13.00%	87.00%	100%	13.00%

<b>FY</b>	<b>Distribution Licensee</b>	<b>AT&amp;C Losses</b>	<b>Billing Efficiency</b>	<b>Collection Efficiency</b>	<b>Distribution Losses</b>
	<i>Central Discom</i>	<i>17.00%</i>	<i>83.00%</i>	<i>100%</i>	<i>17.00%</i>
	<i>SEZ, Pithampur</i>	<i>1.30%</i>	<i>98.70%</i>	<i>100%</i>	<i>1.30%</i>
<i>FY 2026-27</i>	<i>East Discom</i>	<i>14.00%</i>	<i>86.00%</i>	<i>100%</i>	<i>14.00%</i>
	<i>West Discom</i>	<i>12.00%</i>	<i>88.00%</i>	<i>100%</i>	<i>12.00%</i>
	<i>Central Discom</i>	<i>14.00%</i>	<i>86.00%</i>	<i>100%</i>	<i>14.00%</i>
	<i>SEZ, Pithampur</i>	<i>1.25%</i>	<i>98.75%</i>	<i>100%</i>	<i>1.25%</i>

4.2.5 In light of the above, it is respectfully submitted that given the nationwide progress of the RDSS (Reforms-Based and Results Linked Distribution Sector Scheme), it has become apparent that the tangible outcomes of the scheme will only manifest after a certain time lag. This is primarily due to the deferment of key system strengthening initiatives, loss reduction activities, and smart metering deployments, which have been delayed owing to a variety of factors largely beyond the control and scope of the Petitioners.

4.2.6 Recognizing these practical challenges and the impact on expected performance targets, the Ministry of Power (MoP), during its meeting dated 12 August 2025, thoughtfully considered these ground realities and accordingly amended the fund release guidelines for loss reduction works under the RDSS scheme. Specifically, the MoP decided that the approved Result Evaluation Framework (REF) targets originally set for FY 2024-25 would now be deferred and applied as targets for FY 2025-26, while the approved REF targets for FY 2023-24 would now be applicable as targets for both FY 2023-24 and FY 2024-25. This adjustment by the MoP implicitly acknowledges the delays and shifting timelines in the implementation of RDSS interventions, reflecting a pragmatic approach to allow for realistic achievement of loss reduction goals

4.2.7 Against this backdrop, it is submitted that the approved loss reduction levels set for FY 2026-27 appear unduly stringent, especially when viewed in the context of the actual pace of progress under the RDSS scheme. Since the MoP itself has acknowledged the need for flexibility by revising and deferring the REF targets, the Petitioners earnestly request the Hon'ble Commission to similarly adopt a pragmatic stance. It is requested that the Hon'ble Commission may consider providing an equivalent relaxation in the AT&C loss targets for tariff determination for FY 2026-27, by allowing the loss levels approved for FY 2025-26 to be considered for FY 2026-27. This would ensure consistency with the central government's policy adjustments and would set achievable and realistic benchmarks for loss reduction, thereby fostering an enabling environment for sustained improvements without placing undue financial and operational strain on the Distribution Licensees.

4.2.8 However, it is to be noted that for the purpose of determining the power purchase requirements and, consequentially, the procurement cost for FY 2026-27, the Petitioners have prudently adhered to the distribution loss levels for FY 2026-27 as per the revised trajectory approved by the Hon'ble Commission under Regulation 26.2 of the Second

Amendment to MPERC Tariff Regulations, 2021.

4.2.9 In view of the above, the Petitioners respectfully request the Hon'ble Commission to grant the necessary concession and provide relaxation in the AT&C loss targets for tariff determination purposes for FY 2026-27, consistent with the approach adopted by the MoP. Such a measure is critical to strike an appropriate balance between regulatory expectations and on-ground realities, facilitating sustainable performance improvement while safeguarding the financial viability of the Distribution Licensees.

**4.3 Assessment of Monthly normative Distribution Losses:**

4.3.1 The Petitioners further wish to highlight that while assessing the monthly normative energy requirement for the Licensees, the Hon'ble Commission considers constant distribution losses (being equal to yearly approved Discoms wise distribution losses) for all **the months of a particular year**. In actual scenario the Distribution Losses cannot be constant throughout the year for any Distribution Licensee. There are various factors which affect the Distribution Losses such as input energy, output energy/billing units, ambient temperature, average current flow etc. Further, the Distribution losses are calculated with formula as  $\{Distribution\ Losses = 1 - (Billed\ Units / Input\ Units)\}$  which in general nothing but  $(1 - billing\ Efficiency)$ . In case of Madhya Pradesh, the majority portion of monthly billing attributable to agriculture consumers are being done on normative basis. Due to this there are many instances where the Distribution Losses have even arrived as negative.

4.3.2 It is submitted that for the Distribution Licensees the normative Distribution Losses are approved for a year as specified in the applicable Tariff Order or Regulations, nowhere it has been specified that Distribution Licensee has to maintain constant Distribution losses throughout the year. It is to be noted that similar to year wise approval of normative Distribution Losses for Discoms, the Hon'ble Commission also approves Renewable Energy Purchase Obligation (RPO) (now treated as Renewable Consumption Obligation) target on yearly basis. Further, the Normative Plant Availability Factor (NPAF) for allowance of Fixed Charges to Generating Companies are being approved by the Hon'ble Commission as 85% which is also on yearly basis. Similarly, the Hon'ble Commission also approves Normative Plant Load Factor (NPLF) for allowance of incentives to Generating Companies as 85% for the year. It is submitted that the assessment of RPO (Renewable consumption Obligation) target or NPAF or NPLF are being done on cumulative basis at the end of the year. However, for the assessment of Distribution Losses different approach has been adopted which results not only in differential treatment for Discoms but also in disallowance of actual legitimate cost being incurred corresponding to scheduling of Stations which as per the Hon'ble Commission's methodology will never get schedule.

4.3.3 The Petitioners understand that the intention of the Hon'ble Commission is to restrict the energy requirement up to normative level. In this regard it is submitted that the same can also be done with normative profiling of Distribution Losses in tandem with actual

Distribution Losses in such a manner that at the end of the year the Distribution Losses comes out within the norms. The basic intention here is that the methodology for assessment of Distribution Losses should be so designed that in case the Distribution Licensee achieves the normative level of losses, then there should not be any disallowance.

4.3.4 The Petitioners have therefore assessed the normative profiling of distribution losses for FY 2026-27 in tandem with actual Distribution losses recorded during FY 2024-25. It is to be noted that in any of the method, i.e., with constant distribution losses over the year or with profiled distribution losses in tandem with actuals, the total normative energy requirement for a particular year would remain the same. It is only that the month wise normative scheduling of stations would differ which tantamount to actual scheduling only if the profiling with actual losses is considered.

4.3.5 The Hon'ble Commission is therefore requested to consider the normative profiling in tandem with actual loss profiling as submitted by the Petitioners while assessing the month wise Distribution Losses for FY 2026-27.

#### **4.4 Intra State Transmission Losses**

4.4.1 The Discoms have considered the actual Intra-state Transmission Losses of 2.60% for FY 2024-25 as reported by MPPTCL. The same has been considered for FY 2026-27 also.

#### **4.5 Inter-State Transmission Losses**

4.5.1 The Hon'ble CERC notified CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020 on 04<sup>th</sup> May, 2020; w.e.f. 1st November, 2020. As per clause (10) of these regulations, transmission losses for ISTS shall be calculated on all India average basis for each week, from Monday to Sunday.

4.5.2 The Petitioners have considered the Inter-State transmission losses as per monthly actual PGCIL losses on all India Average basis considering the weekly losses for the period of 03<sup>th</sup> November 2024 to 26<sup>th</sup> Oct 2025 (52-weeks data).

#### **4.6 Energy Requirement at Discom Boundary and Ex-Bus Requirement**

4.6.1 The annual distribution loss trajectory is converted into monthly loss trajectory based on the standard deviation of monthly losses from the cumulative annual losses during the past 3 years. In this method, the actual monthly loss levels and the cumulative annual losses of the Discoms for the past years are taken and standard deviation of loss levels of each month from the cumulative annual average has been calculated. The monthly standard deviations are then used to calculate the monthly loss levels using the annual loss level trajectory as formulated by MoP and proposed by MPERC in its Second amendment to Tariff Regulations, 2021.

4.6.2 The energy requirement is computed for all three Discoms and MP State at the State boundary as shown in Table below:

**Table 73: Monthly Energy Requirement- Discom & Ex-Bus (MUs) for FY 2026-27 (projected)**

Sr.no.	Particulars	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
<b>1</b>	<b>Sales (MUs)</b>	<b>6,110</b>	<b>6,330</b>	<b>6,650</b>	<b>6,256</b>	<b>6,159</b>	<b>6,161</b>	<b>7,504</b>	<b>7,472</b>	<b>7,551</b>	<b>7,779</b>	<b>7,870</b>	<b>7,603</b>	<b>83,444</b>
a	East	1,755	1,799	1,901	1,763	1,737	1,747	2,118	2,067	2,118	2,203	2,196	2,160	23,565
b	Central	1,944	2,041	2,099	2,007	2,009	2,019	2,410	2,437	2,401	2,469	2,511	2,362	26,708
c	West	2,411	2,490	2,650	2,486	2,413	2,394	2,976	2,968	3,032	3,107	3,163	3,081	33,171
<b>2</b>	<b>Distribution Loss (%)</b>													
a	East	18.58%	20.70%	9.81%	15.98%	14.73%	15.61%	8.61%	11.92%	15.37%	16.06%	13.48%	7.39%	14.00%
b	Central	16.52%	21.63%	10.23%	16.28%	18.46%	18.25%	6.15%	15.61%	17.82%	16.22%	7.73%	1.88%	14.00%
c	West	19.86%	17.20%	6.06%	-0.04%	1.11%	0.45%	-2.43%	23.05%	22.30%	21.93%	12.25%	6.03%	12.00%
<b>3</b>	<b>Distribution Loss (MUs)</b>	<b>1,383</b>	<b>1,550</b>	<b>617</b>	<b>724</b>	<b>782</b>	<b>785</b>	<b>287</b>	<b>1,619</b>	<b>1,776</b>	<b>1,772</b>	<b>994</b>	<b>415</b>	<b>12,705</b>
a	East	400	470	207	335	300	323	200	280	385	422	342	172	3,836
b	Central	385	563	239	390	455	451	158	451	521	478	210	45	4,346
c	West	598	517	171	-1	27	11	-71	889	870	873	442	198	4,523
<b>4</b>	<b>Energy at Discom Periphery (MUs)</b>	<b>7,493</b>	<b>7,880</b>	<b>7,267</b>	<b>6,980</b>	<b>6,941</b>	<b>6,945</b>	<b>7,791</b>	<b>9,091</b>	<b>9,327</b>	<b>9,552</b>	<b>8,864</b>	<b>8,018</b>	<b>96,149</b>
a	East	2,155	2,269	2,108	2,098	2,038	2,070	2,318	2,347	2,503	2,625	2,538	2,333	27,401
b	Central	2,329	2,604	2,338	2,397	2,464	2,470	2,568	2,888	2,922	2,947	2,721	2,407	31,055
c	West	3,009	3,007	2,821	2,485	2,440	2,405	2,905	3,856	3,902	3,980	3,604	3,278	37,694
<b>5</b>	<b>State Transmission Losses (MUs)</b>	<b>199</b>	<b>201</b>	<b>187</b>	<b>190</b>	<b>190</b>	<b>198</b>	<b>201</b>	<b>238</b>	<b>254</b>	<b>259</b>	<b>238</b>	<b>213</b>	<b>2,569</b>
a	East	57	58	54	57	56	59	60	61	68	71	68	62	732
b	Central	62	66	60	65	68	70	66	76	80	80	73	64	830
c	West	80	77	73	68	67	69	75	101	106	108	97	87	1,006
<b>6</b>	<b>Energy at State Boundary (MUs)</b>	<b>7,692</b>	<b>8,081</b>	<b>7,454</b>	<b>7,170</b>	<b>7,132</b>	<b>7,143</b>	<b>7,993</b>	<b>9,329</b>	<b>9,581</b>	<b>9,810</b>	<b>9,102</b>	<b>8,231</b>	<b>98,717</b>
a	East	2,212	2,326	2,162	2,155	2,094	2,129	2,378	2,408	2,571	2,696	2,607	2,394	28,133
b	Central	2,391	2,671	2,398	2,462	2,531	2,540	2,635	2,963	3,001	3,027	2,794	2,471	31,884
c	West	3,089	3,084	2,894	2,553	2,507	2,474	2,980	3,958	4,008	4,087	3,701	3,365	38,701
<b>7</b>	<b>External/PGCIL Losses (WR/ER) (MUs)</b>	<b>187</b>	<b>186</b>	<b>158</b>	<b>181</b>	<b>163</b>	<b>153</b>	<b>185</b>	<b>228</b>	<b>249</b>	<b>271</b>	<b>223</b>	<b>197</b>	<b>2,381</b>
a	East	54	53	45	51	46	43	52	63	70	77	62	56	672
b	Central	60	60	50	58	53	50	59	74	79	86	71	61	762
c	West	74	73	63	72	64	60	73	91	100	108	90	80	947
<b>8</b>	<b>Energy Requirement (Ex-Bus) (MUs)</b>	<b>7,879</b>	<b>8,267</b>	<b>7,611</b>	<b>7,351</b>	<b>7,295</b>	<b>7,296</b>	<b>8,178</b>	<b>9,557</b>	<b>9,830</b>	<b>10,082</b>	<b>9,325</b>	<b>8,427</b>	<b>101,098</b>
a	East	2,266	2,379	2,207	2,206	2,140	2,173	2,430	2,471	2,641	2,773	2,669	2,450	28,805
b	Central	2,450	2,731	2,448	2,520	2,585	2,590	2,694	3,038	3,081	3,113	2,865	2,532	32,646
c	West	3,163	3,157	2,956	2,625	2,571	2,533	3,054	4,048	4,108	4,196	3,791	3,445	39,647

4.1.1 It is prayed before the Hon'ble Commission to kindly approve energy requirement as shown above.

## **A5: APPROACH FOR ENERGY FORECAST AND POWER PURCHASE COST ESTIMATIONS**

### **5.1 Introduction**

- 5.1.1 Power Purchase Costs constitute the predominant component of the Aggregate Revenue Requirement (ARR) of Distribution licensees and, accordingly, the accurate determination and projection of power purchase costs remain imperative to ensure reasonable recovery of expenses under the purview of Section 61 of the Electricity Act, 2003. The Petitioners humbly submit that the currently prevalent methodology employed for the assessment of Power Purchase cost operates on a consolidated monthly basis framework, whereby the total energy Availability and consumer Demand of the Distribution licensee are aggregated across the calendar month. Subsequently, power procurement Scheduling and corresponding cost computations are undertaken on the basis of this aggregated data without capturing the impact of hour-wise generation and demand profile.
- 5.1.2 This consolidated approach inherently treats Energy Availability and Demand on equal footing, thereby neglecting the fundamentally time-coupled nature of Supply and Demand. It is respectfully submitted that renewable energy sources, particularly Solar Power, are predominantly available during daylight hours and must consequently be scheduled to meet demand or energy requirements specific to those periods. However, the prevailing methodology for assessing power purchase costs fails to account for these hourly generation profiles. This oversight leads to substantial discrepancies in the scheduling of contracted generating stations and sources, resulting in significant deviations in the determination of accurate, cost-reflective power purchase costs during the Aggregate Revenue Requirement (ARR) and tariff formulation processes.
- 5.1.3 Furthermore, from a technical viewpoint the existing methodology also does not capture the impact of Technical Minimum scheduling while determining the energy requirement for the Distribution licensee. Instead, the existing methodology totally based on the Merit Order Dispatch (MOD) Principle wherein the total availability from generating stations is schedule in order of increasing Variable Charges till the required normative Demand is met. This tantamount that those stations falling below the last despatched stations in the MoD rank, i.e., the Stations above which the normative energy requirement (and surplus sale if any) is fulfilled, shall remain under backdown or RSD throughout the months/year. However, in actual scenario it is not possible even when the actual loss of the Licensee remains within the normative range. It is submitted that the MPPMCL/Discoms are required to first ensure Technical Minimum Scheduling for State Gencos, Central Generating Stations and for IPPs as well in line with Detailed Operating Procedure (DOP) issued by the appropriate Regulatory Commissions. The MoD principle is applied after honouring the Technical Minimum Scheduling of the generating stations.
- 5.1.4 **It is submitted that the above-mentioned demerit of existing methodology generally leads to substantial disparities in the estimated versus actual Power Purchase Cost, as observed during truing-up proceedings of ARR from previous years**

- 5.1.5 The Petitioners wish to highlight that the Hon'ble Commission has issued the "Madhya Pradesh Electricity Regulatory Commission (Framework for Resource Adequacy) Regulations, 2024" to enable the implementation of the RA (Resource Adequacy) Framework in the State.
- 5.1.6 The MPERC RA Regulations, 2024 outline the development and preparation of an RA Plan for the Long-term Distribution Resource Adequacy Plan (LT-DRAP) for up to 10 years, Medium-term Distribution Resource Adequacy Plan (MT-DRAP) for up to 5 years and Short-Term Resource Adequacy Plan (ST-DRAP) for up to one year by Distribution Licensee. The Regulations explicitly prescribe the assessment of both demand forecast and energy availability on an hourly basis rather than merely energy projections on consolidated basis.
- 5.1.7 Taking cognizance of the various relevant provisions as specified under the MPERC RA Regulations, 2024, the Petitioners for the first time have attempted to determine the power purchase cost on hourly basis in this Petition. The hourly assessment of power purchase cost is also important particularly in light of Agriculture load shift, adoption of other policies measures such as Green Energy Open Access, PM-Surya Ghar/Rooftop PV, Demand side and energy efficiency/energy conservation measures etc.
- 5.1.8 However, it is pertinent to elucidate that as per Regulation 6.15, the Resource Adequacy Plan's energy forecast embodies a realistic loss trajectory. Conversely, for ARR projection purposes, the Regulations mandated to consider a normative loss trajectory, as approved by the Hon'ble Commission for the concerned year. It is submitted that **this divergence in loss trajectory assumptions between the Resource Adequacy planning process and ARR estimation inevitably yields variations in energy forecasts as determined in the Resource Adequacy Plan and those presented herein** for the purpose of estimation of normative power purchase cost for the relevant year.
- 5.1.9 In view of the foregoing, the Petitioners respectfully submit that there is no merit in continuation of existing consolidated Power Purchase Cost estimation methodology. Adoption of time-segmented, preferably hourly basis assessment that accurately maps renewable generation to corresponding demand periods is imperative to ensure true Power Purchase Cost, improve tariff reflectivity, uphold the principles of cost causation, and ensure compliance with the statutory objectives prescribed under the relevant Regulations/Code (including Resource Adequacy Regulation) and DOP issued by the appropriate Commission towards Technical Minimum Scheduling
- 5.1.10 **The Petitioners therefore request the Hon'ble Commission to recognize the merits of the hourly Power Purchase Cost assessment methodology as elaborated herein, and to accord due consideration to its incorporation in the power purchase estimation and ARR& tariff determination frameworks going forward.**
- 5.1.11 The detailed methodology adopted by the Petitioners in hourly demand projections, hourly availability projections and hourly power purchase cost estimation is summarized in the

paras below:

**5.2 Assessment of Hourly Demand Projections:**

- 5.2.1 For the purpose of projecting the hourly demand for the financial year 2026-27, the Petitioners have commenced with a base analysis of the most recent actual hourly demand data, specifically for the financial year 2024-25. To ensure data accuracy and reliability, the Petitioners have utilized the Block-wise Deviation Report encompassing actual demand data for all three State Distribution Companies. This report, issued by the Madhya Pradesh State Load Despatch Centre (MP SLDC), covers the complete period from 1<sup>st</sup> April 2024 to 31<sup>st</sup> March 2025. The report contains granular scheduled energy drawal data expressed in kilowatt-hours (kWh) for each of the 96 (fifteen-minute time) blocks corresponding to every day of the FY 2024-25.
- 5.2.2 The Petitioners meticulously extracted the actual scheduled drawal figures at 15-minute intervals (i.e., quarter-hourly blocks) for each day throughout FY 2024-25, aggregating the data across all three Discoms to represent the consolidated State demand. To translate this 15-minute block data into hourly demand values, the Petitioners computed the sum of the scheduled energy (in kWh) of four consecutive 15-minute blocks for each hour of the day. This aggregation yields the total energy demand within each one-hour interval for every day. Consequently, the Petitioners derived the hourly demand profile at the State level on a day-by-day basis for the entire financial year 2024-25.
- 5.2.3 Subsequently, to establish representative hourly demand profiles for each month, the Petitioners further aggregated these hourly demand values by summing the demand corresponding to the same hour across all days of the respective month. The resulting sum was then considered to represent the hourly demand for that particular hour of the month.
- 5.2.4 Accordingly, hour wise monthly demand is calculated for 24 hours for each month of FY 2024-25 as shown in the Table below:

**Table 74: Actual hourly Demand Profile of FY 2024-25 (MUs)**

Hourly Actual Schedule (MUs)													
Existing ToD	Dates /Hours	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
Off Peak Night	00-01	319.12	370.17	323.09	301.58	276.60	278.24	296.10	318.30	308.72	306.15	334.60	350.26
	01-02	314.54	363.81	316.38	297.73	272.86	274.78	291.35	305.82	297.01	299.54	327.05	340.39
	02-03	305.89	355.33	310.27	293.43	268.68	270.67	285.73	301.06	289.05	293.75	321.53	329.13
	03-04	302.46	349.99	305.38	290.89	266.46	269.21	285.11	305.96	294.34	297.67	325.56	330.51
	04-05	299.37	345.53	301.66	289.39	266.04	268.86	286.23	309.11	299.01	297.44	324.15	335.11
	05-06	303.38	349.56	307.42	298.11	275.06	277.71	297.96	318.95	315.75	307.71	326.86	344.24
Morning Peak	06-07	324.84	358.90	317.16	319.27	300.95	303.36	330.58	371.21	379.75	364.02	371.20	388.18
	07-08	333.90	357.02	313.75	322.47	310.66	315.59	349.18	420.70	456.49	444.65	423.94	415.12
	08-09	326.96	347.04	302.55	315.46	307.38	309.79	344.97	440.63	490.07	479.70	445.56	414.97
Off Peak/ Solar Hours	09-10	322.32	344.23	297.85	307.62	298.56	298.78	336.47	449.90	505.96	498.36	457.59	408.76
	10-11	318.94	348.88	299.42	298.48	288.47	288.93	327.64	446.40	501.36	506.58	466.46	396.04
	11-12	320.08	363.17	309.79	295.13	282.08	284.48	324.77	436.71	486.53	498.96	459.19	373.59
	12-13	318.17	369.32	316.60	290.20	273.58	276.50	316.43	427.19	473.96	484.81	445.18	350.70

Hourly Actual Schedule (MUs)													
Existing ToD	Dates /Hours	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
	13-14	318.87	373.87	321.01	287.50	269.18	275.58	316.55	430.03	473.36	482.05	443.12	341.69
	14-15	322.60	377.77	323.88	289.54	269.09	275.69	319.16	425.94	463.53	471.73	435.34	336.18
	15-16	325.45	379.30	321.06	291.21	270.14	274.77	318.94	424.80	463.94	468.99	437.62	342.90
	16-17	315.65	359.74	306.94	288.69	269.43	272.47	315.19	417.47	459.79	459.80	424.28	345.74
Evening Peak	17-18	299.93	330.62	289.66	290.36	275.03	277.63	321.75	404.81	447.86	443.16	403.85	347.93
	18-19	298.78	322.36	286.70	296.03	287.85	296.60	340.07	377.15	414.66	418.02	379.79	349.36
	19-20	317.29	347.49	307.73	311.47	304.35	305.65	329.69	343.63	380.72	388.96	361.33	359.22
	20-21	305.74	345.11	312.19	306.31	290.15	286.67	302.35	300.69	331.27	346.69	321.01	329.88
	21-22	302.44	345.04	310.56	299.55	281.43	278.91	292.78	286.58	300.53	314.69	302.95	317.02
Off Peak Night	22-23	320.91	367.04	321.30	305.17	282.66	281.46	298.03	313.72	313.28	321.78	331.56	346.65
	23-24	326.60	374.62	324.29	306.20	280.62	280.82	298.67	323.16	314.20	317.38	340.61	355.06

5.2.5 The Petitioners in the earlier section of this Petition have calculated the normative energy requirement for each month of FY 2026-27 on consolidated basis based on the Loss Trajectory approved by the Hon’ble Commission.

5.2.6 The monthly normative energy requirement thus determined is then disaggregated on an hourly basis by proportionately distributing it according to the actual Hourly Demand pattern observed in FY 2024-25. Using this approach, the hourly demand projections for FY 2026-27 have been developed, as shown in the Table below:

**Table 75: Hourly Demand Projections of FY 2026-27 (MUs)**

Hourly Actual Schedule (MUs)													
Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	332.38	358.05	330.21	308.22	298.17	297.52	321.74	341.77	320.74	324.44	338.75	345.25
	01-02	327.60	351.90	323.35	304.28	294.14	293.82	316.57	328.37	308.57	317.43	331.11	335.52
	02-03	318.59	343.70	317.11	299.89	289.63	289.42	310.47	323.25	300.31	311.30	325.51	324.42
	03-04	315.02	338.54	312.11	297.29	287.24	287.86	309.80	328.52	305.80	315.45	329.60	325.78
	04-05	311.80	334.22	308.31	295.77	286.79	287.49	311.01	331.89	310.66	315.21	328.17	330.31
	05-06	315.97	338.12	314.20	304.67	296.51	296.94	323.76	342.47	328.04	326.09	330.91	339.32
Morning Peak	06-07	338.33	347.15	324.15	326.30	324.41	324.38	359.20	398.58	394.54	385.77	375.80	382.63
	07-08	347.76	345.34	320.67	329.57	334.88	337.45	379.41	451.72	474.26	471.21	429.19	409.18
	08-09	340.53	335.68	309.22	322.41	331.35	331.25	374.84	473.11	509.15	508.35	451.09	409.03
Off Peak/ Solar Hours	09-10	335.71	332.96	304.41	314.39	321.85	319.48	365.61	483.07	525.66	528.13	463.26	402.91
	10-11	332.18	337.46	306.02	305.05	310.97	308.94	356.00	479.30	520.88	536.84	472.24	390.37
	11-12	333.37	351.28	316.62	301.63	304.07	304.19	352.89	468.91	505.47	528.76	464.89	368.24
	12-13	331.38	357.23	323.58	296.59	294.91	295.66	343.82	458.68	492.41	513.77	450.69	345.68
	13-14	332.11	361.64	328.09	293.83	290.17	294.67	343.96	461.73	491.79	510.84	448.61	336.80
	14-15	335.99	365.40	331.02	295.92	290.07	294.79	346.79	457.34	481.58	499.90	440.74	331.37
	15-16	338.97	366.88	328.13	297.63	291.21	293.80	346.55	456.12	482.01	497.00	443.05	337.99
16-17	328.75	347.97	313.71	295.04	290.44	291.34	342.48	448.25	477.70	487.26	429.54	340.79	
Evening Peak	17-18	312.38	319.80	296.05	296.75	296.48	296.86	349.61	434.65	465.29	469.62	408.85	342.95
	18-19	311.19	311.81	293.02	302.55	310.30	317.15	369.51	404.95	430.80	442.98	384.50	344.36
	19-20	330.46	336.11	314.51	318.33	328.08	326.82	358.24	368.96	395.54	412.19	365.81	354.08
	20-21	318.43	333.82	319.07	313.05	312.77	306.53	328.53	322.86	344.17	367.40	324.99	325.16
	21-22	314.99	333.75	317.40	306.15	303.38	298.24	318.13	307.71	312.23	333.49	306.71	312.48
Off Peak Night	22-23	334.24	355.03	328.38	311.89	304.70	300.96	323.84	336.85	325.47	341.00	335.67	341.69
	23-24	340.16	362.36	331.44	312.94	302.51	300.28	324.53	346.98	326.44	336.34	344.84	349.98

### 5.3 Assessment of Hourly Availability Projections

- 5.3.1 Following a similar methodology as employed for hourly demand estimation, the Petitioners undertook the process of estimating the hourly availability of each contracted generating source by first collecting actual declared availability data at 15-minute intervals (block-wise) for each generating station for every day in FY 2023-24 and FY 2024-25. This detailed data was furnished by the Madhya Pradesh State Load Despatch Centre (MP SLDC) and the State Planning Cell (MP SPC). Thereafter, the average of declared availability of four consecutive 15-minute blocks was calculated to derive the average hourly availability for each hour of the day. This hourly availability calculation was performed for every day throughout FY 2023-24 and FY 2024-25.
- 5.3.2 To derive representative hourly availability profiles for each month, the Petitioners further averaged the hourly availability values corresponding to the same hour across all days within a given month. This resulted in an hourly availability figure considered representative of that hour for the month. Hour-wise monthly availability was thus computed for all 24 hours of each month of FY 2023-24 and FY 2024-25.
- 5.3.3 Utilizing the installed capacities of the plants, the Petitioners calculated the representative Plant Availability Factor (PAF) on an hourly basis for FY 2023-24 and FY 2024-25. For new generating stations and/or plants for which historical availability data was not available, the Petitioners adopted average hourly Plant Availability Factors as considered by the State Planning Cell (SPC) under the Resource Adequacy Plan.
- 5.3.4 Additionally, the Petitioners collected plant-wise maintenance and overhauling schedules, primarily from MP Genco's thermal and hydro Generating units. Taking this information into account, the Petitioners exercised their best judgment in selecting appropriate hourly Plant Availability Factors for each generating station and accordingly projected the representative hourly availability for the financial year 2026-27. The month-wise hourly availability projected from all tied up stations are summarized in the Table below:

**Table 76: Hourly Availability Projections of FY 2026-27 (MUs)**

Hourly Actual Schedule (MUs)													
Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	350.87	370.16	344.63	313.57	329.78	330.10	385.17	368.60	384.26	399.26	354.01	375.33
	01-02	350.63	369.69	346.49	314.19	330.77	329.71	384.87	368.97	384.09	400.97	354.85	376.75
	02-03	351.22	371.29	352.93	315.55	324.16	330.32	385.71	370.64	378.24	395.65	356.59	377.61
	03-04	353.04	372.85	353.92	325.34	333.70	331.72	387.45	372.89	381.89	398.07	358.78	379.56
	04-05	355.02	374.46	356.25	327.41	347.63	343.84	388.36	375.50	389.03	398.20	360.49	380.89
	05-06	365.31	383.91	369.73	333.12	361.89	357.41	409.42	406.38	415.68	423.46	383.49	398.59
Morning Peak	06-07	400.23	415.09	393.48	358.57	380.68	379.86	429.42	437.35	472.32	480.17	431.71	444.93
	07-08	438.34	453.08	434.44	391.48	421.70	423.47	469.23	487.97	552.44	559.67	511.08	504.26
	08-09	463.99	489.76	462.89	418.57	448.74	450.47	499.27	529.25	589.02	600.60	552.21	552.04
Off Peak/ Solar Hours	09-10	485.16	501.53	482.11	447.82	464.04	464.02	527.94	557.70	612.76	625.76	575.93	580.17
	10-11	486.08	503.14	475.36	431.72	482.82	483.19	533.68	533.19	589.00	611.19	567.50	578.78
	11-12	501.02	522.22	492.63	448.56	499.77	502.73	549.83	550.10	606.73	626.65	591.05	606.42
	12-13	498.75	517.79	492.37	450.18	498.19	497.28	548.58	548.89	605.37	621.73	589.62	605.60

Hourly Actual Schedule (MUs)													
Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
	13-14	498.56	511.62	486.65	446.05	486.18	489.19	537.76	538.32	598.77	617.52	582.56	592.01
	14-15	481.53	493.16	470.32	431.99	476.12	478.78	522.17	526.13	579.37	600.98	571.32	579.50
	15-16	454.98	480.07	443.89	407.00	462.39	452.60	491.28	491.99	546.21	567.94	528.20	538.12
	16-17	443.53	464.63	447.15	406.53	437.06	433.81	465.77	498.36	560.23	576.79	526.22	518.64
Evening Peak	17-18	403.39	425.69	410.77	369.41	401.95	391.62	431.66	465.67	524.52	527.77	478.32	458.32
	18-19	377.37	395.32	391.62	347.84	373.85	366.92	415.48	428.59	481.94	486.96	429.73	410.11
	19-20	371.83	386.33	362.50	329.74	360.04	369.28	412.89	406.97	432.78	439.49	391.36	401.02
	20-21	369.83	388.45	365.23	331.02	341.72	344.05	388.04	374.42	403.16	416.85	381.35	395.98
	21-22	360.10	379.92	354.68	331.17	339.49	342.34	393.42	367.87	397.76	402.16	362.46	384.16
Off Peak Night	22-23	358.60	379.26	353.94	328.98	345.97	342.52	392.90	377.55	396.64	400.36	361.80	383.41
	23-24	357.27	377.18	351.51	326.98	344.19	351.56	390.84	376.00	394.01	396.88	359.49	381.81

5.3.5 The detailed summary of hourly plant availability factor considered for each generating station is provided in the Power Purchase model submitted to the Hon'ble Commission separately.

#### 5.4 Approach for Power Purchase Cost Estimation

5.4.1 After completing the assessment of hourly demand and availability for FY 2026-27, the Petitioners proceeded to calculate the hourly power purchase cost following the approach outlined below:

- ❖ For each representative hour of the month, the Petitioners first scheduled the must run stations viz Solar, Wind, Hydro, Biomass/Biogas and also nuclear stations against the corresponding hourly demand/normative energy requirement.
- ❖ After fulfilling the entire energy availability from must run sources, the Petitioners scheduled tied-up Thermal generating stations at their Technical Minimum level (@55%). The remaining energy requirement for each representative hour of the month was then computed after accounting for these must-run and Technical Minimum schedules.
- ❖ To fulfil the remaining normative energy requirement, the Petitioners applied Merit Order Dispatch, whereby the balance demand was met by scheduling thermal generating stations in ascending order of their energy charges, thereby optimizing cost efficiency.
- ❖ Based on the total energy scheduled from each Generating Station (including must-run, Technical Minimum, and Merit Order Dispatch), the Petitioners calculated the corresponding Variable Cost by applying the actual Energy Charges (in Rs./kWh) applicable to each respective station.

- ❖ Subsequently, the Petitioners evaluated the surplus power availability hour-wise from each tied-up Generating Stations for the representative hours of the month. Concurrently, Petitioners have also worked out the market rate (IEX) for the latest available months on hourly basis.
- ❖ For any surplus power available where the applicable station's Variable rate was lower than the prevailing market rate, the Petitioners assumed such surplus could be sold in the market. The net financial saving on account of such surplus power sales was computed as the difference between the variable cost of surplus power sold and the revenue realized from the market sale.
- ❖ Finally, this net saving from surplus power sale was deducted from the total calculated variable cost to arrive at the finalized hourly power purchase cost projection for FY 2026-27.

**5.4.2 In view of the merits inherent in the hourly-based approach detailed in the preceding paragraphs, the Petitioners respectfully submit for the kind consideration and approval of the Hon'ble Commission the methodology adopted herein for the determination of the Petitioners' power purchase cost.**

**A6: ASSESSMENT OF POWER PURCHASE COST****6.1 Upcoming/New Capacity Addition**

6.1.1 The Petitioners have broadly categorised the sources of energy into State-Owned Generation, i.e., Generation from MPPGCL (MP Genco), Allocation (firm and non-firm) from Central Generating Stations (CGS), Independent Power Producers (IPPs), Biomass, Wind, Hydro and Solar Power Plants etc.

6.1.2 This section details the availability of power and related costs for the ensuing years for the State of Madhya Pradesh. The projection takes into account the following aspects:

- Existing long term allocated generation capacity of MP.
- New generation capacity additions during the FY 2025-26 (after Nov 25) and FY 2026-27 for Renewables, Central Sector, Joint venture, and by Private players awarded through competitive bidding if any.
- Impact of change in generation capacity allocation in WR, NR and ER

6.1.3 The Petitioners further submit that some of capacities mainly with respect to Solar and Hydel is expected to be commissioned by the end of FY 2025-26. Such capacities shall also be available in FY 2026-27 in addition to the existing capacities as on the date of filing of this Petition. The same has also been considered for the purpose of projections for FY 2026-27.

6.1.4 Based on the above available information, power purchase for the ensuing years has been projected. The same has been detailed in the subsequent sections.

6.1.5 Further, the details of upcoming capacity additions anticipated by the end of FY 2025-26 and during the FY 2026-27 with respect to Renewables is as shown in the Tables below:

**Table 77: Details of Capacity Addition with respect to Solar Projects for FY 2026-27**

Project	Capacity (MW)	Expected commissioning	Project	Capacity (MW)	Expected commissioning
<b>FY 2025-26</b>			<b>FY 2026-27</b>		
RUMS, Neemuch	149	Expected up to February 2026	KUSUM A	347	Expected up to April 2026
CPSU – II NTPC	500	Expected up to February 2026	CPSU – II SECI	500	Expected up to September 2026
NHPC, Rajasthan	320	Expected up to March 2026	KUSUM A	1,385	Expected up to February 2027
			KUSUM C	1,114	Expected up to February 2027
<b>G. Total</b>	<b>9,69</b>		<b>G. Total</b>	<b>2,999</b>	

**Table 78: Details of Capacity Addition with respect to Hydro Projects during FY 2026-27**

Project	Capacity (MW)	Expected commissioning	Project	Capacity (MW)	Expected commissioning
FY 2025-26			FY 2026-27		
Amhata-IV	3.80	Dec-25	NHPC Lower Subhansiri	13.13	June-26
NHPC Lower Subhansiri	13.13	Dec-25		13.13	June-26
	13.13	Dec-25		13.13	Nov-26
	13.13	Mar-26		13.13	Nov-26
NHPC Rangit 120 MW	16.00	Dec-25			
<b>G. Total</b>	<b>72.30</b>			<b>52.50</b>	

6.1.6 Considering the above new capacity addition and existing tied up capacity taking cognizance of latest CGS allocation, the station wise contracted capacity as considered for FY 2026-27 is shown in the Table below:

**Table 79: Estimated Contracted Capacity – MP State for FY 2026-27 (Existing & New)**

SI No	Source	Plant Capacity (MW)	MP's Share in %	MP's Share in MW
1	Amarkantak TPS Ph-III	210.00	100.00%	206.78*
2	Satpura TPS Ph-IV	500.00	100.00%	490.77*
3	SGTPS Ph-I & II	840.00	100.00%	824.49*
4	SGTPS Ph-III	500.00	100.00%	490.77*
5	Shri Singaji STPS Phase-I	1200.00	100.00%	1177.85*
6	Shri Singaji STPS Phase-II	1320.00	100.00%	1320.00
<b>A</b>	<b>Total (MP Genco Thermal-MP Share)</b>	<b>4570.00</b>		<b>4510.66</b>
7	Rani Awanti Bai Sagar, Bargi HPS	90.00	100.00%	90.00
8	Bansagar Ph I HPS (Tons)	315.00	100.00%	315.00
9	Bansagar Ph-II HPS (Silpara)	30.00	100.00%	30.00
10	Bansagar Ph-III HPS (Deolond)	60.00	100.00%	60.00
11	Bansagar Ph-IV HPS (Jhinna)	20.00	100.00%	20.00
12	Birsinghpur HPS	20.00	100.00%	20.00
13	Madikheda HPS	60.00	100.00%	60.00
14	Rajghat HPS	45.00	59.68%	26.86
15	Gandhisagar HPS	115.00	50.00%	57.50
16	Ranapratap Sagar HPS	172.00	50.00%	86.00
17	Jawahar Sagar HPS	99.00	50.00%	49.50
18	Pench HPS	160.00	66.67%	106.67
<b>B</b>	<b>Total (MP Genco Hydel)</b>	<b>1186.00</b>		<b>921.53</b>
19	NHDC Indira Sagar HPS	1000.00	100.00%	1000.00
20	NHDC Omkareshwar HPS	520.00	100.00%	520.00

SI No	Source	Plant Capacity (MW)	MP's Share in %	MP's Share in MW
21	NVDA Sardar Sarovar HPS	1450.00	57.00%	826.50
22	Rihand HPS	300.00	15.00%	45.00
23	Matatila HPS	31.00	32.68%	10.13
24	SJVN Rampur HPS	412.02	0.17%	0.71
25	SJVN Jhakri HPS	1500.00	0.19%	2.80
26	Tehri HPS	1000.00	0.19%	1.86
27	Koteshwar HPP	400.00	0.19%	0.74
28	NHPC Parbati II & III	1320.00	0.28%	3.72
29	NHPC Chamera II	300.00	0.34%	1.01
30	NHPC Chamera III	231.00	0.28%	0.65
31	NHPC Dulhasti	390.00	0.28%	1.10
32	NHPC Dhauliganga	280.00	0.28%	0.79
33	NHPC Sewa II	120.00	0.28%	0.34
35	NHPC Kishanganga	330.00	0.28%	0.93
36	NTPC Koldam HPP I	800.00	0.13%	1.04
37	NTPC Singrauli Small HPP	8.00	0.28%	0.02
38	NHPC Lower Subansiri HEP Units	2000.00	5.25%	105.00
40	NHPC - Rangit	120.00	13.33%	16.00
41	SAS Hydel Project Pvt Ltd.	-	-	9.75
42	Amhata Hydro Energy Pvt. Ltd.	3.60	100.00%	3.60
43	Amhata Hydro Energy Pvt. Ltd. - II	3.60	100.00%	3.60
44	Amhata Hydro Energy Pvt. Ltd. - IV	3.60	100.00%	3.60
45	Sirmour Small Hydel Pvt. Ltd.	-	-	24.00
46	NVDA Indira sagar LBC HPS	15.00	100.00%	15.00
47	NVDA Bargi LBC HPS	10.00	100.00%	10.00
48	Mini & Micro Hydel Plants	-	-	7.26
<b>C</b>	<b>Total (JV Hydel &amp; Other Hydel)</b>	<b>12547.82</b>		<b>2615.14</b>
49	NTPC Korba	2100.00	22.71%	476.97
50	NTPC Korba III	500.00	14.26%	71.30
51	NTPC Vindychal I	1260.00	34.54%	435.15
52	NTPC Vindychal II	1000.00	31.31%	313.08
53	NTPC Vindychal III	1000.00	24.01%	240.08
54	NTPC Vindychal IV	1000.00	27.40%	274.02
55	NTPC Vindychal V Unit 1	500.00	27.33%	136.66
56	NTPC Sipat I	1980.00	16.05%	317.86
57	NTPC Sipat II	1000.00	18.31%	183.08
58	NTPC Mouda I	1000.00	1.31%	178.65
59	NTPC Mouda II Unit 1	1320.00	1.75%	253.85
60	NTPC Solapur STPS	1320.00	24.18%	319.12
61	NTPC Gadgarwara STPS, Unit-1	800.00	51.76%	414.08
62	NTPC Lara STPS, Raigarh, Unit I	1600.00	10.96%	175.35

SI No	Source	Plant Capacity (MW)	MP's Share in %	MP's Share in MW
63	NTPC Khargone STPS, Unit-I & II	1320.00	51.76%	683.24
64	NTPC Kawas GPP	656.20	0.02%	0.13
65	NTPC Gandhar GPP	657.39	0.02%	0.15
66	KAPP Kakrapar	1840.00	19.58%	360.21
68	TAPP Tarapur	1080.00	20.94%	226.18
69	NTPC Gadarwara STPS, Unit-2	800.00	51.76%	414.08
<b>D</b>	<b>Total WR Region</b>	<b>22733.59</b>		<b>5473.25</b>
70	NTPC Kahalgaon II	1500.00	4.93%	73.95
71	LoI through DVC (Sep-2020 to Mar-2032)	1000.00	10.00%	100.00
<b>E</b>	<b>Total ER Region</b>	<b>2500.00</b>		<b>173.95</b>
72	NTPC Auraiya GPP	663.00	0.28%	1.86
73	NTPC Dadri GPP	830.00	0.29%	2.42
74	NTPC Anta GPP	419.00	0.28%	1.18
75	NTPC Firoz Gandhi Unchahar I	420.00	0.03%	0.12
76	NTPC Firoz Gandhi Unchahar II	420.00	0.09%	0.38
77	NTPC Firoz Gandhi Unchahar III	210.00	0.09%	0.19
78	NTPC Firoz Gandhi Unchahar IV	500.00	0.09%	0.46
79	NTPC Rihand TPS-I	1000.00	0.09%	0.91
80	NTPC Rihand TPS-II	1000.00	0.09%	0.91
81	NTPC Rihand TPS-III	1000.00	0.09%	0.91
82	NTPC NCTP Dadri II	980.00	0.09%	0.88
83	NTPC Singrauli	2000.00	0.09%	1.82
84	NTPC IGPS I Jhajjar	1500.00	0.14%	2.14
85	MEJA Urja Nigam	1320.00	0.14%	1.86
86	NTPC Tanda	1320.00	0.06%	0.80
87	Ghatampur TPP	660.00	0.13%	0.85
88	Khurja STPS	1320.00	0.19%	2.50
89	Rajasthan (NPCIL)	1030.00	0.28%	2.90
90	NARORA (NPCIL)	440.00	0.27%	1.20
<b>F</b>	<b>Total NR Region</b>	<b>17032.00</b>		<b>24.29</b>
91	Torrent Power	1147.50	6.54%	75.00
92	BLA Power, Unit-I & II	90.00	35.00%	31.50
93	Jaypee Bina Power	500.00	65.00%	350.00
94	Lanco Amarkantak TPS Unit 1	300.00	100.00%	300.00
95	Reliance UMPP, Sasan	3960.00	37.50%	1485.00
96	Essar Power STPS	1200.00	5.00%	60.00
97	Jaiprakash Power STPS, Nigri	1320.00	37.50%	495.00
98	MB Power STPS, Unit-I	600.00	35.00%	210.00
99	MB Power STPS, Unit-II	600.00	35.00%	210.00
100	Jhabua Power STPS, Unit-1	600.00	35.00%	210.00
101	PFCCCL	0.00	0.00%	218.00

SI No	Source	Plant Capacity (MW)	MP's Share in %	MP's Share in MW
<b>G</b>	<b>Total (IPPs)</b>	<b>10317.50</b>		<b>3644.50</b>
102	DRE Solar	291.39	100.00%	291.39
103	ISTS Solar	3543.35	100.00%	3543.35
104	MP Solar	1169.00	100.00%	1169.00
	<b>Total (Solar)</b>	<b>5003.74</b>		<b>5003.74</b>
105	DRE Wind	539.65	100.00%	539.65
106	ISTS Wind	747.26	100.00%	747.26
107	MP Wind	1851.40	100.00%	1851.40
	<b>Total (Wind)</b>	<b>3138.31</b>		<b>3138.31</b>
108	<b>Bio Mass/Bio gas/MSW</b>	<b>41.90</b>	<b>100.00%</b>	<b>41.90</b>
<b>H</b>	<b>Total Renewable Energy</b>	<b>8183.95</b>		<b>8183.95</b>
<b>I</b>	<b>Grand Total</b>	<b>79070.86</b>		<b>25547.28</b>

\*Share of AKVNL has been excluded from total share of M.P.

6.1.7 With regard to NTPC Mouda STPS I & II, it is submitted that the firm shares of 156 MW and 212 MW, respectively, were surrendered and reallocated to Gujarat from March 21, 2021, until March 2026. This surrendered capacity will become available to Madhya Pradesh from April 2026. Therefore, the same is being considered for FY 2026-27.

6.1.8 It is submitted that while calculating the above contracted capacity, the Petitioners have considered the revised Allocation of Power to the State of MP, from Central Sector stations as specified by **Western Regional Power Committee** in their letter No. WRPC/Comm-I/6/Alloc/2025/1788-1819 dated 29<sup>th</sup> September'2025 and from **Eastern Region** NTPC Kahalgaon-2 vide GoI MoP letter no. ERPC/Comm-I/Gen/Share/2025-26/1188 dated 29<sup>th</sup> September 2025 **and Northern Region** as per Northern Regional Power Committee letter dated 1<sup>st</sup> October, 2025. Allocation from MP Genco and other sources have been considered based on inputs provided and latest updates from their concerned office.

## 6.2 Ex-Bus Availability Projections for FY 2026-27

6.2.1 The Petitioners in previous chapter of this Petition has elaborated the approach adopted to calculate the hourly availability projections for FY 2026-27. Based on such hourly availability the Petitioners have worked out the monthly availability against each existing and upcoming Generating Stations is shown in the Table below:

Table 80: Ex-Bus Availability (MUs) Source-wise for FY 2026-27

Sr.no.	Particulars	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Amarkantak TPS Ph-III	120	121	95	-	78	102	126	130	139	139	122	127	1,300
2	Satpura TPS Ph-IV	286	288	264	194	174	232	285	311	315	325	293	297	3,266
3	SGTPS Ph-I & II	423	435	377	306	264	264	416	459	492	491	339	363	4,627
4	SGTPS Ph-III	263	190	277	268	269	223	281	291	273	305	275	286	3,200
5	Shri Singaji STPS Phase-I	640	658	700	632	524	255	595	683	733	731	645	671	7,467
6	Shri Singaji STPS Phase-II	724	764	727	371	390	609	794	747	881	874	802	810	8,492
<b>A</b>	<b>Total (MP Genco Thermal-MP Share)</b>	<b>2,455</b>	<b>2,456</b>	<b>2,440</b>	<b>1,770</b>	<b>1,700</b>	<b>1,684</b>	<b>2,497</b>	<b>2,620</b>	<b>2,834</b>	<b>2,865</b>	<b>2,476</b>	<b>2,554</b>	<b>28,352</b>
7	Rani Awanti Bai Sagar, Bargi HPS	29	30	40	42	58	57	31	38	32	36	39	39	471
8	Bansagar Ph I HPS (Tons)	49	51	42	23	68	89	87	92	83	63	62	80	789
9	Bansagar Ph-II HPS (Silpara)	9	10	5	5	5	9	10	13	11	10	8	9	103
10	Bansagar Ph-III HPS (Deolond)	8	-	21	23	7	24	10	-	-	-	-	-	93
11	Bansagar Ph-IV HPS (Jhinna)	8	8	5	6	7	7	8	8	8	7	6	6	83
12	Birsinghpur HPS	2	3	3	6	10	10	7	4	5	5	4	4	63
13	Madikheda HPS	0	-	1	3	7	20	11	7	11	2	11	4	78
14	Rajghat HPS	0	4	1	9	16	14	5	3	12	17	16	10	106
15	Gandhisagar HPS	23	12	1	7	7	13	14	34	40	42	37	38	270
16	Ranapratap Sagar HPS	1	1	1	1	1	5	31	37	39	39	35	-	193
17	Jawahar Sagar HPS	6	7	7	13	24	24	18	10	13	14	10	9	156
18	Pench HPS	20	15	4	21	41	27	42	50	31	38	25	11	325
<b>B</b>	<b>Total (MP Genco Hydel)</b>	<b>156</b>	<b>141</b>	<b>130</b>	<b>158</b>	<b>254</b>	<b>300</b>	<b>274</b>	<b>296</b>	<b>285</b>	<b>274</b>	<b>253</b>	<b>210</b>	<b>2,730</b>
19	NHDC Indira Sagar HPS	122	143	142	160	491	482	352	200	268	277	210	177	3,025
20	NHDC Omkareshwar HPS	63	74	74	83	255	251	183	104	139	144	109	92	1,573
21	NVDA Sardar Sarovar HPS	101	118	118	132	406	398	291	166	222	229	174	146	2,500
22	Rihand HPS	0	2	3	5	7	14	14	2	1	8	8	4	68
23	Matatila HPS	0	2	0	1	4	4	4	4	4	6	5	3	36
24	SJVN Rampur HPS	0	0	0	0	0	0	0	0	0	0	0	0	2
25	SJVN Jhakri HPS	0	0	0	1	1	1	1	1	1	1	1	0	9
26	Tehri HPS	0	0	0	1	1	1	1	0	0	0	0	0	6
27	Koteshwar HPP	0	0	0	0	0	0	0	0	0	0	0	0	2
28	NHPC Parbati II & III	0	1	1	1	2	2	1	1	1	1	1	1	12
29	NHPC Chamera II	0	0	0	0	1	0	0	0	0	0	0	0	3
30	NHPC Chamera III	0	0	0	0	0	0	0	0	0	0	0	0	2
31	NHPC Dulhasti	0	0	0	0	1	1	0	0	0	0	0	0	3
32	NHPC Dhauliganga	0	0	0	0	0	0	0	0	0	0	0	0	2
33	NHPC Sewa II	0	0	0	0	0	0	0	0	0	0	0	0	1
34	NHPC Kishanganga	0	0	0	0	0	0	0	0	0	0	0	0	3
35	NTPC Koldam HPP I	0	0	0	0	1	1	0	0	0	0	0	0	3

Sr.no.	Particulars	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
36	NTPC Singrauli Small HPP	0	0	0	0	0	0	0	0	0	0	0	0	0
37	NHPC Lower Subansiri HEP Units	6	8	11	22	39	38	28	21	27	28	22	19	270
38	NHPC - Rangit	2	2	2	5	8	8	6	3	4	4	3	3	50
39	SAS Hydel Project Pvt Ltd.	1	1	1	3	5	5	3	2	3	3	2	2	31
40	Amhata Hydro Energy Pvt. Ltd.	0	1	1	1	2	2	1	1	1	1	1	1	11
41	Amhata Hydro Energy Pvt. Ltd. - II	0	1	1	1	2	2	1	1	1	1	1	1	11
42	Amhata Hydro Energy Pvt. Ltd. - IV	0	1	1	1	2	2	1	1	1	1	1	1	11
43	Sirmour Small Hydel Pvt. Ltd.	12	13	12	12	12	12	13	13	14	14	13	13	153
44	NVDA Indira sagar LBC HPS	2	2	2	4	8	7	5	3	4	4	3	3	47
45	NVDA Bargi LBC HPS	1	1	1	3	5	5	4	2	3	3	2	2	31
46	Mini & Micro Hydel Plants	1	1	1	2	4	4	3	1	2	2	2	1	23
<b>C</b>	<b>Total (JV Hydel &amp; Other Hydel-NR)</b>	<b>315</b>	<b>371</b>	<b>373</b>	<b>440</b>	<b>1,257</b>	<b>1,239</b>	<b>916</b>	<b>527</b>	<b>697</b>	<b>728</b>	<b>558</b>	<b>468</b>	<b>7,890</b>
47	NTPC Korba	267	278	240	231	212	256	297	309	331	293	228	298	3,239
48	NTPC Korba III	42	43	31	25	38	39	45	48	50	52	46	48	508
49	NTPC Vindiyachal I	234	236	212	204	203	188	221	257	261	258	248	239	2,761
50	NTPC Vindiyachal II	184	194	137	163	184	172	194	172	180	215	198	199	2,194
51	NTPC Vindiyachal III	143	147	141	144	119	114	155	162	174	172	155	159	1,784
52	NTPC Vindiyachal IV	165	170	159	136	144	137	146	184	196	194	175	179	1,985
53	NTPC Vindiyachal V Unit 1	82	84	79	82	77	74	84	91	98	88	87	89	1,015
54	NTPC Sipat I	134	188	151	154	133	146	186	196	226	232	203	188	2,135
55	NTPC Sipat II	109	98	84	111	101	103	107	120	130	133	119	106	1,321
56	NTPC Mouda I	101	104	98	103	99	96	123	119	127	127	112	117	1,327
57	NTPC Mouda II Unit 1	151	132	147	155	133	129	145	145	178	177	157	163	1,812
58	NTPC Solapur STPS	160	159	135	145	170	177	201	214	210	211	192	196	2,169
59	NTPC Gadawara STPS, Unit-1	224	244	235	182	184	177	194	248	288	285	264	257	2,781
60	NTPC Lara STPS, Raigarh, Unit I	97	105	92	98	86	83	76	83	99	125	112	118	1,176
61	NTPC Khargone STPS, Unit-I & II	360	392	304	209	357	365	430	452	451	475	394	412	4,601
62	NTPC Kawas GPP	0	0	0	0	0	0	0	0	0	0	0	0	0
63	NTPC Gandhar GPP	0	0	0	0	0	0	0	0	0	0	0	0	0
64	KAPP Kakrapar (including new capacity)	184	190	142	158	184	148	124	200	215	216	189	155	2,105
65	TAPP Tarapur	125	129	120	126	114	116	130	136	142	145	125	119	1,527
66	NTPC Gadawara STPS, Unit-2	237	259	249	193	195	188	206	263	305	302	280	273	2,951
<b>D</b>	<b>Total WR Region</b>	<b>3,000</b>	<b>3,152</b>	<b>2,756</b>	<b>2,619</b>	<b>2,733</b>	<b>2,707</b>	<b>3,066</b>	<b>3,400</b>	<b>3,661</b>	<b>3,703</b>	<b>3,282</b>	<b>3,314</b>	<b>37,393</b>
67	NTPC Kahalgaon II	48	47	46	46	40	30	48	47	45	56	49	51	553
68	LoI through DVC (Sep-2020 to Mar-2032)	61	60	61	64	59	54	67	68	73	73	63	64	767
<b>E</b>	<b>Total ER Region</b>	<b>109</b>	<b>107</b>	<b>107</b>	<b>111</b>	<b>98</b>	<b>84</b>	<b>116</b>	<b>115</b>	<b>118</b>	<b>128</b>	<b>112</b>	<b>114</b>	<b>1,320</b>
69	NTPC Auraiya GPP	1	1	1	1	1	1	1	1	1	1	1	1	13
70	NTPC Dadri GPP	1	1	1	1	1	1	1	2	2	2	1	1	17
71	NTPC Anta GPP	1	1	1	1	1	1	1	1	1	1	1	1	8

Sr.no.	Particulars	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
72	NTPC Firoz Gandhi Unchahar I	0	0	0	0	0	0	0	0	0	0	0	0	1
73	NTPC Firoz Gandhi Unchahar II	0	0	0	0	0	0	0	0	0	0	0	0	3
74	NTPC Firoz Gandhi Unchahar III	0	0	0	0	0	0	0	0	0	0	0	0	1
75	NTPC Firoz Gandhi Unchahar IV	0	0	0	0	0	0	0	0	0	0	0	0	3
76	NTPC Rihand TPS-I	1	1	0	0	0	0	1	1	1	1	1	1	6
77	NTPC Rihand TPS-II	1	1	0	0	0	0	1	1	1	1	1	1	6
78	NTPC Rihand TPS-III	1	1	0	0	0	0	1	1	1	1	1	1	6
79	NTPC NCTP Dadri II	1	1	0	0	0	0	1	1	1	1	1	1	6
80	NTPC Singrauli	1	1	1	1	1	1	1	1	1	1	1	1	13
81	NTPC IGPS I Jhajjar	1	1	1	1	1	1	1	1	1	1	1	1	15
82	MEJA Urja Nigam	1	1	1	1	1	1	1	1	1	1	1	1	13
83	NTPC Tanda	0	0	0	0	0	0	0	1	1	1	0	0	6
84	Ghatampur TPP	0	0	0	0	0	0	0	1	1	1	1	1	6
85	Khurja STPS	1	1	1	1	1	1	1	2	2	2	1	2	18
86	Rajasthan (NPCIL)	2	2	2	2	2	1	2	2	2	2	2	2	20
87	NARORA (NPCIL)	1	1	1	1	1	1	1	1	1	1	1	1	8
<b>F</b>	<b>Total NR Region</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>17</b>	<b>17</b>	<b>14</b>	<b>15</b>	<b>171</b>
88	Torrent Power	-	-	-	-	-	-	-	-	-	-	-	-	-
89	BLA Power, Unit-I & II	16	18	16	15	15	15	16	16	19	18	16	19	198
90	Jaypee Bina Power	198	205	194	176	101	158	207	207	242	222	213	198	2,321
91	Lanco Amarkantak TPS Unit 1	159	162	154	123	112	113	159	165	189	171	183	172	1,862
92	Reliance UMPP, Sasan	805	840	869	821	860	766	884	874	938	967	826	860	10,310
93	Essar Power STPS	31	31	26	25	20	20	30	24	27	35	31	35	336
94	Jaiprakash Power STPS, Nigri	287	308	293	251	157	244	314	313	317	345	294	314	3,438
95	MB Power STPS, Unit-I	117	125	123	128	110	116	123	126	102	134	122	125	1,452
96	MB Power STPS, Unit-II	117	125	123	128	110	116	123	126	102	134	122	125	1,452
97	Jhabua Power STPS, Unit-1	112	108	97	56	66	116	115	116	141	136	108	133	1,305
98	PFCCCL	128	137	135	140	120	126	136	139	114	149	135	138	1,597
<b>G</b>	<b>Total (IPPs)</b>	<b>1,971</b>	<b>2,059</b>	<b>2,030</b>	<b>1,865</b>	<b>1,672</b>	<b>1,790</b>	<b>2,107</b>	<b>2,106</b>	<b>2,193</b>	<b>2,311</b>	<b>2,049</b>	<b>2,118</b>	<b>24,271</b>
99	DRE Solar	92	93	86	87	86	80	83	85	97	102	466	491	1,848
100	ISTS Solar	1,002	1,018	940	952	938	970	1,005	1,021	1,175	1,226	1,143	1,205	12,596
101	MP Solar	228	226	210	208	212	193	188	189	220	245	239	258	2,616
102	DRE Wind	67	85	87	86	77	66	60	50	49	49	47	58	783
103	ISTS Wind	243	307	316	313	280	240	219	182	176	179	172	211	2,838
104	MP Wind	270	342	352	349	312	268	243	202	196	199	191	235	3,158
<b>H</b>	<b>Total Renewable Energy</b>	<b>1,908</b>	<b>2,080</b>	<b>1,999</b>	<b>2,003</b>	<b>1,911</b>	<b>1,823</b>	<b>1,803</b>	<b>1,731</b>	<b>1,918</b>	<b>2,003</b>	<b>2,263</b>	<b>2,464</b>	<b>23,905</b>
<b>I</b>	<b>Grand Total</b>	<b>9,928</b>	<b>10,380</b>	<b>9,847</b>	<b>8,979</b>	<b>9,637</b>	<b>9,640</b>	<b>10,793</b>	<b>10,810</b>	<b>11,722</b>	<b>12,029</b>	<b>11,008</b>	<b>11,259</b>	<b>126,031</b>

### 6.3 Normative Scheduling of Energy for FY 2026-27

- 6.3.1 The Petitioners wish to submit that different technologies such as Wind, Solar, PSP, BESS, Nuclear, Coal, etc. have different generation profile. With the focus on reducing the carbon footprint, capacity additions are happening mainly in Renewable segment and that too in Solar Generation.
- 6.3.2 It is submitted that Solar Power is mainly available in daytime and during non-solar hours the Discoms need to depend mainly on thermal sources to meet their respective Demand. Since, thermal power plants cannot be fully Backed Down on a daily basis because of various operational constraints and high cost levied for each start-stop operation. Hence, to make sure the thermal power plants are available during non-solar hours, the Petitioners have also scheduled thermal power during solar hours as well. The contribution from thermal plants would be less during solar hours and the operational thermal power plants would be generating at Technical Minimum.
- 6.3.3 Regarding Technical Minimum, the Petitioners wish to reiterate their submission that the Hon'ble Commission has approved ***“Detailed Operating Procedure (DOP) for Backing Down of Coal unit(s) of the State Generating Stations having 100% installed capacity tied up with MP Power Management Company/DISCOMs of MP and for IPPs as per provision in PPA with MPPMCL for taking such units under Reserve Shut Down on scheduling below Technical Minimum Schedule and part load operation”*** vide Order dated 29<sup>th</sup> January, 2020 in accordance with Clause 8.8 (6) of the aforesaid Madhya Pradesh Electricity Grid Code (Revision-II), 2019 issued on 21<sup>st</sup> June 2019.
- 6.3.4 It is pertinent to note that the approved DOP prescribes:
- i. The methodology for identifying the Generating Stations or units thereof to be Backed Down in specific Grid conditions such as low system demand, during regulation of power supply, incidence of high renewables etc.;
  - ii. The procedure for taking generating units under RSD;
  - iii. The role of different agencies; and
  - iv. The data requirements, etc. The DOP also provided “Technical Minimum” (TMM) for operation in respect of a unit(s) of a Thermal Generating Station as 55% of Maximum Continuous Rating or MCR loading.
- 6.3.5 It is submitted that as per DOP, Day Ahead Scheduling is being undertaken by **MPPMCL/Discoms wherein it has to ensure “Technical Minimum” scheduling for their tied-up stations**. The relevant extract from the DOP stipulating the requirement of Technical Minimum is as reproduced below:
- “5. Methodology for taking generating station or unit(s) thereof under Reserve Shut Down (Day ahead scheduling)***
- The scheduling process is adopted as per clause 8.4 to 8.7 of MP Electricity Grid Code 2019. Salient points of the same are mentioned below;*
- 5.1. The State Sector Generating Station/IPP's shall submit the following information at the time of declaration of DC (time block-wise) and subsequent revisions, if any, in*

accordance with Grid Code.

.....

.....

5.4. Based on the ex-Power Plant (Ex-PP) requisition submitted by MPPMCL, SLDC prepares and issue Generation Schedule in 15-minute time-block for each of the SSGS/IPPs.

5.5. If the net Ex-PP injection schedule for a generating station is **less than technical minimum**, MPPMCL/Discoms shall be required to review its requisition(s) and submit a revised requisition(s), to the SLDC.

.....

5.7. If the grid conditions do not demand for providing **technical minimum** to a generating station, under such situation, the SSGS/IPPs shall have the option to go for RSD with intimation to SLDC.

.....” **{Emphasis Added}**

- 6.3.6 Further, in case of IPPs also, the DOP stipulates that **all the beneficiaries including pseudo beneficiary of IPP shall be responsible for maintaining Technical Minimum generation of the generating unit(s). All the beneficiaries are required to give technical minimum requisition of their share in the IPP’s unit(s), in case unit(s) is required to be kept on bar for smooth operation of the Grid.**
- 6.3.7 Furthermore, as per clause 8.8(3) of the MP Electricity Grid Code, where Generating Station is directed by State Load Despatch Centre (SLDC) to **operate below Normative Plant Availability Factor but at or above Technical Minimum.**
- 6.3.8 Hence, from the above it is clear that the **MPPMCL/Discoms are required to ensure Technical Minimum scheduling for State Gencos and for IPPs as well.** Further, the criterion for Technical Minimum Scheduling is squarely applicable for Central Generating Stations also as per relevant Regulations/Code of the Central Electricity Regulatory Commission (CERC) and DOP as approved by the Hon’ble CERC vide its Order No. L-1/219/2017-CERC dated 5<sup>th</sup> May 2017.
- 6.3.9 The Petitioners in its previous True-up and ARR Petition have requested the Hon’ble Commission to consider the impact of Technical Minimum while applying merit order despatch on monthly basis. While the Hon’ble Commission has considered the Technical Minimum impact under the True-up exercise for FY 2022-23 & FY 2023-24 as well, it has not considered the Technical Minimum impact under the ARR determination for FY 2025-26.
- 6.3.10 The Petitioners find that the intention of the Hon’ble Commission is not to burden the consumers with cost of estimated TMM scheduling. However, the Petitioners wish to submit that in actual scenario the scheduling of stations will take place honouring the TMM. Consequently, notwithstanding the omission of such costs from the Aggregate Revenue Requirement (ARR), the Licensee will invariably incur these expenses, which will ultimately be recovered from consumers through automatic adjustments under the Fuel

Price and Power Purchase Adjustment Surplus (FPPAS) mechanism. To mitigate the reconciliation gap between approved and actual Power Purchase Costs - particularly during the True-up process - it is imperative that the cost impact of TMM scheduling be incorporated proactively within the determination of power purchase costs for the purpose of fixing the ARR for forthcoming year.

6.3.11 The Petitioners further reiterate their submission that with the existing approach, i.e., non-consideration of Technical Minimum scheduling while estimating the power purchase requirement for ensuing year, will treat those stations falling below the MoD rank at which the normative energy requirement (and surplus sale if any) is fulfilled, to remain under backdown or RSD throughout the year. However, in actual scenario it is not possible even when the actual loss of the Licensee remains within the normative range.

6.3.12 It is submitted again that the TMM run of Thermal Generating Stations ensure the availability of power during time period when Renewable power is not available, as once a station is Backed Down or given Reserve Shut Down it takes considerable time to get on Bar. If such power stations are shut down considering the economic facts, power would not be delivered to the consumers due to various technical constraints. This phenomenon is clearly demonstrable with the help of hourly Power Purchase model wherein during certain solar hours, there is no requirement of MOD schedule at normative loss level in a particular day/month due to higher Solar availability in such period. Whereas in the same particular day/month, there is MOD scheduling to certain generating stations during non-solar hours due to absence of Solar power availability. Without maintaining TMM scheduling, it is technically infeasible to bring such Thermal units back on, Bar promptly when Solar generation ceases. Hence, the concept of Technical Minimum cannot be ignored.

**6.3.13 The Petitioners therefore request the Hon’ble Commission to factor in the TMM scheduling while estimating the power purchase requirement and hence, cost for FY 2026-27.**

6.3.14 Further, as detailed in the preceding paragraphs, the Petitioners have explained the comprehensive methodology employed for the assessment of Power Purchase Costs on an hourly basis, projecting both energy availability and normative energy requirements in hourly time blocks. The projections of source-wise hourly scheduling to meet the normative energy requirement of FY 2026-27 is summarized in the Table below:

**Table 81: Projection of Hourly Scheduling of Solar Energy for FY 2026-27 (MUs)**

Hourly Schedule Summary (MUs)													
Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	01-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	02-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	03-04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	04-05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	05-06	1.94	1.99	1.89	1.97	1.93	2.00	2.21	2.19	2.28	2.28	2.59	2.79

Hourly Schedule Summary (MUs)													
Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Morning Peak	06-07	25.34	27.98	22.79	23.74	17.37	18.12	13.41	9.13	7.37	7.39	24.17	33.70
	07-08	64.48	66.13	63.00	57.51	56.46	58.80	57.58	48.93	54.53	54.91	79.54	85.75
	08-09	97.83	104.47	91.86	85.53	84.02	87.32	90.87	94.97	105.65	109.03	132.78	142.67
Off Peak/ Solar Hours	09-10	123.40	120.59	115.08	117.72	113.56	115.94	124.19	129.24	149.10	152.51	169.42	176.57
	10-11	142.99	142.73	128.40	127.51	133.42	136.62	148.66	149.76	173.88	184.62	201.62	210.19
	11-12	158.77	162.95	147.78	147.64	151.33	157.38	166.42	170.16	195.89	204.26	228.37	241.27
	12-13	158.75	162.84	149.69	151.66	153.27	155.21	168.67	172.48	198.46	204.49	231.15	244.11
	13-14	158.75	158.72	145.77	149.57	143.21	148.97	159.75	163.49	193.66	202.11	225.90	235.66
	14-15	140.98	138.39	128.24	133.38	131.30	136.56	141.93	147.59	169.26	182.45	212.38	218.69
	15-16	113.41	110.19	101.17	107.14	115.41	107.55	106.34	106.56	127.28	142.90	163.89	173.38
Evening Peak	16-17	84.03	84.07	78.25	81.30	77.95	76.94	64.09	67.47	77.90	88.67	113.53	122.79
	17-18	40.94	43.92	41.82	43.41	42.65	34.09	26.45	28.07	31.52	31.71	57.09	60.12
	18-19	9.73	11.95	20.93	19.67	13.46	7.95	6.62	4.56	5.03	5.05	5.68	5.73
	19-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	20-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off Peak Night	21-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	22-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	23-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Table 82: Projection of Hourly Scheduling of Wind Energy for FY 2026-27 (MUs)**

Hourly Schedule Summary (MUs)													
Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	19.77	26.11	26.27	25.97	23.07	19.43	18.69	14.18	13.03	13.02	13.33	16.83
	01-02	21.36	27.69	28.53	28.32	24.57	20.87	19.54	15.02	13.90	13.89	14.12	18.51
	02-03	23.73	30.13	30.53	29.90	25.99	22.78	21.24	16.69	15.64	15.63	15.69	20.19
	03-04	25.32	31.76	32.05	32.30	28.19	24.26	22.94	18.35	17.38	17.36	17.25	21.88
	04-05	26.91	33.40	34.36	33.93	29.83	25.82	23.79	20.02	19.11	19.10	18.82	23.56
	05-06	28.52	35.10	36.41	35.63	32.25	28.06	25.49	21.66	20.82	21.68	20.36	25.25
Morning Peak	06-07	30.20	36.84	37.31	37.38	33.16	29.04	27.19	24.49	24.29	26.17	22.84	27.06
	07-08	28.69	35.31	36.69	35.88	32.59	28.48	25.49	23.29	23.93	24.79	22.32	25.68
	08-09	27.15	33.76	35.24	34.34	31.12	26.97	23.79	21.35	21.76	21.67	20.43	23.95
Off Peak/ Solar Hours	09-10	23.98	30.48	31.38	31.15	27.99	23.93	21.24	17.72	17.43	17.36	16.72	20.52
	10-11	21.58	28.02	29.79	29.47	26.45	22.44	19.54	15.91	15.44	15.36	14.95	18.77
	11-12	20.00	26.38	27.48	27.05	24.89	20.94	18.69	14.99	14.43	14.35	14.08	17.06
	12-13	17.60	23.89	25.13	24.59	22.48	18.61	16.14	12.35	11.54	11.49	11.59	14.50
	13-14	16.00	22.23	23.55	22.93	20.85	17.04	14.44	10.60	9.63	9.59	9.95	12.79
	14-15	17.58	23.83	25.06	24.53	22.42	18.56	16.14	12.39	11.61	11.54	11.62	14.50
	15-16	19.94	26.28	27.33	26.88	24.77	20.81	18.69	15.12	14.64	14.54	14.21	17.06
Evening Peak	16-17	21.52	27.89	29.67	29.31	26.28	22.29	19.54	16.09	15.96	15.86	15.40	18.82
	17-18	23.84	30.26	31.09	30.79	27.72	23.67	21.24	17.99	18.18	18.03	17.31	20.55
	18-19	25.38	31.80	32.57	32.33	29.16	25.13	22.94	19.19	19.29	19.14	18.87	22.29
	19-20	26.95	33.32	33.82	33.87	30.49	26.72	23.79	20.13	19.26	19.25	18.97	23.65
	20-21	28.53	34.96	35.35	35.49	31.37	27.38	25.49	21.69	20.83	21.68	20.36	25.25
Off Peak Night	21-22	30.08	36.58	36.02	36.95	31.99	28.00	27.19	23.36	22.57	24.30	21.95	26.94
	22-23	28.49	35.00	35.26	35.33	31.29	27.27	25.49	21.69	20.84	21.70	20.38	25.25
	23-24	26.91	33.36	33.73	33.72	29.75	25.87	23.79	20.02	19.10	19.10	18.82	23.56

**Table 83: Projection of Hourly Scheduling of Other Must Run Energy for FY 2026-27 (MUs)**

Hourly Schedule Summary (MUs)													
Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	32.97	35.51	32.24	42.35	73.99	72.48	53.82	38.70	42.18	50.72	37.17	36.44
	01-02	31.57	34.41	31.96	40.71	73.48	72.21	53.21	38.08	41.43	50.35	37.11	35.98
	02-03	30.01	33.56	32.06	40.69	66.04	66.18	52.52	37.64	33.81	41.87	36.85	35.28
	03-04	29.92	33.24	31.79	41.70	67.72	66.08	52.46	37.63	35.63	41.95	36.96	35.17
	04-05	30.17	33.39	31.76	41.92	79.01	77.00	52.64	38.57	41.40	42.10	37.36	35.43
	05-06	36.23	38.28	36.66	42.62	81.79	79.93	69.57	66.18	64.44	63.47	57.70	48.57
Morning Peak	06-07	44.84	40.13	37.61	44.03	82.79	82.81	75.92	71.31	86.51	84.57	69.18	60.65
	07-08	44.30	40.12	37.84	43.76	83.49	84.28	73.41	74.97	95.52	93.91	76.54	64.11
	08-09	37.90	39.48	37.47	43.86	83.21	83.79	72.17	74.77	86.93	86.62	69.61	57.11
Off Peak/ Solar Hours	09-10	36.73	38.50	36.95	43.55	71.59	71.31	70.43	73.81	79.34	80.55	66.36	55.01
	10-11	20.83	21.06	18.84	19.62	71.17	70.20	53.31	31.39	33.70	37.65	29.24	22.18
	11-12	21.24	21.41	18.78	19.23	71.43	70.09	52.74	29.32	31.64	35.29	27.67	21.21
	12-13	20.98	21.05	19.03	19.14	71.29	69.51	52.14	28.05	30.85	32.65	26.02	21.24
	13-14	21.00	21.02	19.26	19.04	71.17	69.65	52.46	28.17	30.51	31.68	25.71	20.14
	14-15	20.93	20.95	19.07	19.24	71.27	69.79	52.86	28.92	30.64	31.19	25.49	20.70
	15-16	20.86	34.50	18.51	19.18	71.20	70.73	54.40	31.33	33.51	32.60	26.58	21.61
	16-17	38.10	44.12	42.67	42.28	82.77	82.15	71.28	75.02	88.78	86.24	66.18	50.03
Evening Peak	17-18	39.73	43.69	42.76	43.07	82.77	83.11	72.44	77.23	91.94	87.71	68.30	50.23
	18-19	44.22	44.66	43.50	44.07	83.88	84.10	72.98	73.05	92.64	89.81	73.27	55.31
	19-20	45.95	46.29	43.06	44.74	83.93	90.28	76.18	67.83	82.51	80.65	66.75	55.52
	20-21	42.89	46.33	43.78	45.06	70.42	72.40	50.23	35.74	53.64	60.86	59.01	50.13
	21-22	32.03	35.87	33.25	44.67	69.26	71.11	53.61	27.55	46.13	42.84	37.70	36.43
Off Peak Night	22-23	32.52	36.80	33.20	44.03	76.41	70.69	54.56	38.54	46.44	42.42	37.84	36.60
	23-24	32.78	36.56	32.66	43.54	76.34	80.50	54.68	39.23	46.51	42.37	37.30	36.40

**Table 84: Projection of Hourly Scheduling of Thermal Energy (TMM+MOD) for FY 2026-27 (MUs)**

Hourly Schedule Summary (MUs)													
Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	279.66	296.45	271.73	239.92	201.13	205.63	249.24	288.93	265.55	260.72	288.27	292.02
	01-02	274.71	289.82	262.89	235.27	196.11	200.77	243.84	275.32	253.26	253.21	279.91	281.07
	02-03	264.88	280.03	254.55	229.33	197.62	200.48	236.73	268.97	250.88	253.82	273.00	268.99
	03-04	259.81	273.56	248.29	223.31	191.35	197.55	234.41	272.58	252.82	256.16	275.42	268.77
	04-05	254.74	267.45	242.22	219.94	177.97	184.69	234.60	273.35	250.17	254.04	272.02	271.36
	05-06	249.30	262.77	239.26	224.48	180.56	186.98	226.51	252.47	240.53	238.69	250.29	262.73
Morning Peak	06-07	237.98	242.22	226.46	221.17	191.12	194.45	242.69	293.69	276.40	267.66	259.64	261.26
	07-08	210.32	203.80	183.16	192.43	162.36	165.92	222.95	304.59	300.32	297.65	250.83	233.69
	08-09	177.68	158.00	144.67	158.71	133.01	133.21	188.03	282.09	294.85	291.08	228.31	185.34
Off Peak/ Solar Hours	09-10	151.63	143.40	121.03	121.99	108.74	108.32	149.77	262.36	279.84	277.75	210.80	150.85
	10-11	146.81	145.69	129.02	128.47	79.95	79.71	134.52	282.30	297.90	299.26	226.47	139.28
	11-12	133.38	140.56	122.60	107.73	56.44	55.80	115.05	254.49	263.54	274.90	194.81	88.74
	12-13	134.08	149.46	129.77	101.21	47.89	52.36	106.89	245.85	251.59	265.18	181.96	65.87
	13-14	136.39	159.68	139.54	102.30	54.95	59.03	117.33	259.54	258.02	267.51	187.09	68.24
	14-15	156.53	182.26	158.68	118.79	65.09	69.90	135.87	268.50	270.10	274.76	191.28	77.51
	15-16	184.78	195.94	181.16	144.44	79.85	94.74	167.14	303.16	306.61	306.99	238.41	125.98
	16-17	185.12	191.91	163.15	142.18	103.45	109.99	187.59	289.73	295.09	296.53	234.47	149.18
Evening Peak	17-18	207.90	201.96	180.40	179.50	143.36	156.02	229.49	311.42	323.69	332.22	266.18	212.09
	18-19	231.90	223.42	196.05	206.51	183.83	200.00	267.00	308.20	313.87	329.02	286.72	261.08

	19-20	257.59	256.53	237.65	239.74	213.68	209.84	258.29	281.05	293.80	312.33	280.12	274.95
	20-21	247.04	252.56	239.97	232.52	211.00	206.77	252.83	265.47	269.72	284.89	245.65	249.82
	21-22	252.91	261.32	248.17	224.55	202.15	199.14	237.34	256.84	243.54	266.37	247.09	249.14
Off Peak Night	22-23	273.26	283.25	259.95	232.55	197.02	203.03	243.81	276.66	258.21	276.91	277.48	279.87
	23-24	280.51	292.47	265.09	235.70	196.44	193.93	246.08	287.78	260.85	274.89	288.75	290.06

6.3.15 The Petitioners submit that the foregoing projections may kindly be considered and approved by the Hon'ble Commission.

#### 6.4 Management of Surplus Energy for FY 2026-27

6.4.1 Based on the month-wise Hourly Availability and normative Energy requirement as projected for FY 2026-27, the Petitioners have worked out the hour-wise surplus/deficit power as summarized in the Table below:

**Table 85: Projection of Hourly Surplus/(Deficit) Energy for FY 2026-27 at normative loss level (MUs)**

Existin g ToD	Dates /Hour s	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	21	14	17	7	33	35	66	29	65	77	17	32
	01-02	25	20	25	12	38	38	70	43	77	86	26	43
	02-03	35	30	38	18	36	43	77	49	80	87	33	55
	03-04	40	37	44	30	48	46	80	46	78	85	31	56
	04-05	45	42	50	34	63	59	79	46	80	85	34	53
	05-06	51	48	58	30	67	63	88	66	90	100	55	62
Mornin g Peak	06-07	64	70	72	34	58	58	72	41	80	97	58	65
	07-08	93	110	116	64	89	88	92	38	80	91	84	97
	08-09	126	156	156	98	119	121	127	58	82	94	103	145
Off Peak/ Solar Hours	09-10	152	171	180	135	144	147	164	77	89	100	115	179
	10-11	156	168	171	129	174	176	180	56	70	77	97	191
	11-12	170	173	178	149	198	201	199	83	103	100	128	240
	12-13	169	163	171	155	205	204	207	92	115	110	141	262
	13-14	169	152	161	154	198	197	196	79	109	109	136	257
	14-15	148	130	141	138	188	186	178	71	100	103	133	250
	15-16	118	115	118	111	173	161	147	38	66	73	87	202
16-17	117	119	136	113	148	145	125	52	84	92	99	180	
Evening Peak	17-18	93	108	117	75	107	97	84	33	61	60	71	118
	18-19	68	86	101	47	65	52	48	26	53	46	47	68
	19-20	43	52	50	13	34	45	57	40	39	30	28	49
	20-21	53	57	48	20	31	40	62	54	61	52	58	73
	21-22	47	48	39	27	38	46	77	62	87	71	58	74
Off Peak Night	22-23	26	26	28	19	43	44	71	43	73	62	28	44
	23-24	19	17	22	16	43	53	68	31	69	63	17	34

6.4.2 The Petitioners wish to submit that the above hourly surplus/(deficit) energy quantum is purely based on the normative loss profiling of Discoms. However, given the stringent loss level as prescribed for FY 2026-27 as compared to existing level, it is anticipated to be highly challenging to achieve the approved benchmarks.

6.4.3 Surplus Power is typically disposed of through market sales, thereby enabling optimization of power purchase costs through the revenue generated. The ability to sell surplus power

depends on various factors including the demand scenario within the State, the availability of surplus energy with MPPMCL during specific time blocks, the overall Demand-Supply dynamics of the power sector, and the Marginal Clearing Price (MCP) prevailing in the market. While the Petitioners have computed Power Purchase Costs assuming normative loss levels, it is imperative that the assessment of surplus or deficit energy be conducted on realistic loss projections.

6.4.4 In view of the above, the Petitioners have worked out the hour-wise projections of surplus and deficit power based on prevailing loss levels, holding other parameters constant, as detailed in the Table below:

**Table 86: Projection of Hourly Surplus/(Deficit) Energy for FY 2026-27 at prevailing loss level (MUs)**

Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	(17)	(48)	(22)	(35)	11	11	49	5	31	47	(29)	(25)
	01-02	(12)	(41)	(12)	(30)	16	14	54	20	44	56	(20)	(12)
	02-03	(1)	(30)	1	(23)	14	19	61	27	48	57	(12)	1
	03-04	4	(22)	8	(11)	27	23	64	23	45	55	(14)	2
	04-05	10	(16)	15	(7)	41	35	63	22	47	56	(11)	(2)
	05-06	16	(11)	21	(11)	45	38	71	42	54	69	9	5
Morning Peak	06-07	26	10	34	(10)	34	31	54	13	37	61	6	1
	07-08	53	50	79	19	63	61	72	7	29	47	25	29
	08-09	87	98	120	54	94	94	107	25	27	47	41	77
Off Peak/ Solar Hours	09-10	113	113	145	92	120	121	146	43	33	50	51	112
	10-11	118	109	136	87	150	151	161	22	14	26	33	126
	11-12	132	112	142	108	174	176	181	50	49	51	64	179
	12-13	132	101	134	115	183	180	189	60	62	62	79	205
	13-14	131	89	123	114	176	173	178	46	56	61	74	201
	14-15	110	67	103	98	166	162	160	39	48	57	72	195
	15-16	80	52	80	71	151	137	129	6	14	27	26	146
	16-17	80	59	99	73	126	121	108	21	33	46	40	123
Evening Peak	17-18	58	53	83	34	85	73	66	3	11	16	15	60
	18-19	33	32	67	6	42	26	29	(3)	7	5	(5)	11
	19-20	6	(6)	14	(30)	9	18	38	14	(3)	(9)	(23)	(10)
	20-21	17	(1)	11	(23)	7	15	45	31	24	17	14	19
	21-22	11	(9)	3	(15)	15	22	61	41	54	40	16	22
Off Peak Night	22-23	(11)	(35)	(10)	(24)	20	19	54	19	38	30	(18)	(13)
	23-24	(19)	(46)	(16)	(27)	21	29	52	7	34	31	(31)	(24)

6.4.5 As can be seen from the Table above, that the Petitioners are anticipated to be in deficit during certain hours of the months during FY 2026-27 at prevailing loss level.

6.4.6 Further, the Petitioners submit that the mere availability of Surplus Power does not necessarily imply that such power will be sold in the market. As previously mentioned, the sale of surplus power occurs only when the prevailing market price exceeds the variable cost of the generating station producing the surplus. To accurately estimate surplus power sales for FY 2026-27, it is essential to consider the corresponding market prices. However, forecasting future market prices is inherently uncertain due to their highly dynamic nature. Consequently, the Petitioners have analyzed the most recent one-year Market Clearing Price (MCP) data on an hourly basis from the Indian Energy Exchange (IEX), spanning the

period from October 2024 to September 2025, and have assumed these prices for the corresponding hours and months of FY 2026-27. The hourly market prices adopted for FY 2026-27, specifically for the purpose of estimating surplus power sales, are summarized in the Table below:

**Table 87: Assumed Market Rate for FY 2026-27 (in kWh)**

Existin g ToD	Dates /Hour s	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	7.31	6.15	6.00	5.24	4.25	3.92	5.06	2.80	2.37	2.53	3.11	4.49
	01-02	6.60	5.15	5.25	4.37	3.83	3.31	3.91	2.65	2.28	2.38	3.09	4.29
	02-03	5.60	4.69	4.52	4.01	3.61	3.12	3.56	2.62	2.20	2.29	3.01	3.88
	03-04	5.10	3.86	4.19	3.79	3.53	2.97	3.32	2.59	2.20	2.27	2.97	3.71
	04-05	5.18	3.79	3.55	3.73	3.44	2.90	3.20	2.62	2.28	2.38	3.05	3.90
	05-06	5.84	3.53	3.28	4.38	3.76	3.20	3.38	2.86	2.82	2.92	3.49	4.54
Mornin g Peak	06-07	6.69	3.54	3.32	4.49	4.32	3.79	3.53	3.39	3.75	4.12	5.95	6.17
	07-08	4.07	2.51	2.57	3.33	3.48	3.03	3.42	3.93	6.20	8.40	9.25	6.01
	08-09	2.62	1.60	1.90	2.71	2.58	1.88	2.98	3.60	7.03	9.15	7.35	3.63
Off Peak/ Solar Hours	09-10	2.21	1.46	1.66	2.43	2.03	1.53	2.62	3.22	6.05	7.78	5.79	3.39
	10-11	1.94	1.36	1.49	2.11	1.63	1.35	2.25	2.55	4.01	4.44	3.66	2.91
	11-12	1.92	1.41	1.53	2.04	1.59	1.35	2.12	2.22	3.19	3.42	3.35	2.74
	12-13	1.88	1.46	1.55	1.96	1.49	1.40	2.05	1.96	2.78	3.07	3.12	2.56
	13-14	1.85	1.45	1.54	1.88	1.42	1.28	2.05	1.85	2.51	2.69	2.78	2.38
	14-15	2.23	1.97	1.87	2.21	1.77	1.54	2.60	2.38	2.84	2.98	2.85	2.58
	15-16	2.73	2.46	2.20	2.62	2.27	1.87	3.04	2.92	3.22	3.22	3.15	2.94
	16-17	3.11	2.77	2.61	2.87	2.80	2.37	3.49	3.68	4.20	4.04	3.65	3.49
Evening Peak	17-18	3.71	3.17	2.99	3.15	3.26	3.17	4.89	7.40	8.28	6.80	4.76	3.73
	18-19	6.52	3.89	3.51	4.22	5.10	5.90	8.03	8.30	8.96	9.57	8.40	6.59
	19-20	9.05	6.40	6.10	7.76	8.64	8.83	6.80	4.25	4.92	7.91	7.72	8.63
	20-21	8.81	7.10	6.85	8.53	8.71	8.11	5.55	3.58	3.51	4.45	4.18	7.52
	21-22	8.30	7.74	7.99	8.51	8.62	6.67	5.50	3.31	3.14	3.51	3.77	5.56
Off Peak Night	22-23	8.14	8.92	8.56	8.58	8.27	6.34	5.34	3.03	2.72	3.00	3.36	5.68
	23-24	8.17	8.89	8.03	7.83	6.67	5.39	5.28	2.86	2.61	2.78	3.04	5.13

6.4.7 Comparing the hourly market rates and variable rate of the generating station producing the surplus, the Petitioners have estimated hourly sale of surplus power as summarized in the Table below:

**Table 88: Estimated Surplus Sale on Hourly basis for FY 2026-27 (in MUs)**

Existin g ToD	Dates /Hour s	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	-	-	-	-	1	-	45	-	-	-	-	-
	01-02	-	-	-	-	-	-	34	-	-	-	-	-
	02-03	-	-	-	-	-	-	39	-	-	-	-	-
	03-04	1	-	-	-	8	-	23	-	-	-	-	-
	04-05	7	-	-	-	11	-	20	-	-	-	-	-
	05-06	16	-	-	-	27	6	32	-	-	-	-	1
Mornin g Peak	06-07	26	-	-	-	23	14	32	-	13	48	6	1
	07-08	43	-	5	-	41	23	37	-	29	47	25	29
	08-09	13	-	17	-	37	10	58	-	27	47	41	53
Off Peak/ Solar Hours	09-10	28	-	30	31	31	19	68	-	32	50	51	69
	10-11	13	-	6	12	51	11	68	-	-	22	11	57
	11-12	26	-	22	24	49	10	74	-	-	5	20	97

Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
	12-13	27	-	25	30	7	10	63	-	-	2	27	100
	13-14	26	-	15	29	7	10	63	-	-	-	2	95
	14-15	27	-	0	29	51	48	74	-	-	-	4	100
	15-16	13	-	-	13	76	40	80	-	-	-	-	78
	16-17	32	-	26	26	68	53	83	-	20	32	17	96
Evening Peak	17-18	39	3	35	-	50	35	62	3	11	16	12	38
	18-19	33	12	44	-	39	26	29	-	7	5	-	11
	19-20	6	-	14	-	9	18	38	2	-	-	-	-
	20-21	17	-	11	-	7	15	45	7	-	14	4	19
	21-22	11	-	3	-	15	22	61	-	-	12	-	22
Off Peak Night	22-23	-	-	-	-	20	19	54	-	-	-	-	-
	23-24	-	-	-	-	21	29	52	-	-	-	-	-

6.4.8 The estimated revenue anticipated from the sale of the projected surplus power, the corresponding variable cost of the generating stations supplying such surplus power, and the resulting net savings in power purchase costs are summarized in the Tables below:

**Table 89: Estimated Revenue from Hourly Sale of Surplus Power for FY 2026-27 (in Rs. Cr)**

Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	-	-	-	-	1	-	23	-	-	-	-	-
	01-02	-	-	-	-	-	-	13	-	-	-	-	-
	02-03	-	-	-	-	-	-	14	-	-	-	-	-
	03-04	1	-	-	-	3	-	8	-	-	-	-	-
	04-05	4	-	-	-	4	-	7	-	-	-	-	-
Morning Peak	05-06	9	-	-	-	10	2	11	-	-	-	-	1
	06-07	17	-	-	-	10	5	11	-	5	20	4	0
	07-08	18	-	1	-	14	7	13	-	18	39	23	17
Off Peak/ Solar Hours	08-09	3	-	3	-	9	2	17	-	19	43	30	19
	09-10	6	-	5	7	6	3	18	-	20	39	30	23
	10-11	2	-	1	2	8	1	15	-	-	10	4	17
	11-12	5	-	3	5	8	1	16	-	-	2	7	27
	12-13	5	-	4	6	1	1	13	-	-	1	8	26
	13-14	5	-	2	5	1	1	13	-	-	-	1	23
	14-15	6	-	0	6	9	7	19	-	-	-	1	26
Evening Peak	15-16	4	-	-	3	17	8	24	-	-	-	-	23
	16-17	10	-	7	7	19	13	29	-	8	13	6	33
	17-18	14	1	11	-	16	11	31	2	9	11	6	14
	18-19	21	5	16	-	20	15	23	-	6	5	-	7
	19-20	5	-	8	-	8	16	26	1	-	-	-	-
Off Peak Night	20-21	15	-	8	-	6	12	25	3	-	6	2	14
	21-22	10	-	2	-	13	15	34	-	-	4	-	12
Off Peak Night	22-23	-	-	-	-	17	12	29	-	-	-	-	-
	23-24	-	-	-	-	14	16	27	-	-	-	-	-

**Table 90: Estimated Variable Cost of the Generating Stations Supplying Surplus Power for FY 2026-27 (in Rs. Cr)**

Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	-	-	-	-	1	-	17	-	-	-	-	-
	01-02	-	-	-	-	-	-	11	-	-	-	-	-

Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
	02-03	-	-	-	-	-	-	13	-	-	-	-	-
	03-04	1	-	-	-	3	-	7	-	-	-	-	-
	04-05	3	-	-	-	3	-	6	-	-	-	-	-
	05-06	7	-	-	-	9	2	9	-	-	-	-	1
Morning Peak	06-07	11	-	-	-	9	5	11	-	5	17	3	0
	07-08	15	-	1	-	12	7	11	-	12	18	11	12
	08-09	3	-	3	-	7	2	15	-	12	19	16	17
Off Peak/ Solar Hours	09-10	6	-	4	6	5	3	13	-	14	20	20	18
	10-11	2	-	0	2	7	1	11	-	-	9	4	13
	11-12	4	-	3	4	7	1	11	-	-	2	6	18
	12-13	4	-	4	4	1	1	9	-	-	1	8	17
	13-14	4	-	2	4	1	1	9	-	-	-	1	16
	14-15	6	-	0	5	7	7	13	-	-	-	1	17
	15-16	4	-	-	3	13	6	18	-	-	-	-	15
Evening Peak	16-17	9	-	6	6	13	9	23	-	8	12	6	25
	17-18	13	1	10	-	12	9	22	1	5	7	5	13
	18-19	13	4	14	-	14	11	12	-	3	2	-	5
	19-20	3	-	6	-	4	8	15	1	-	-	-	-
	20-21	8	-	5	-	3	7	17	2	-	6	1	8
Off Peak Night	21-22	5	-	1	-	7	9	22	-	-	4	-	9
	22-23	-	-	-	-	8	8	20	-	-	-	-	-
	23-24	-	-	-	-	9	12	19	-	-	-	-	-

**Table 91: Estimated Net Savings on Account of Sale of Surplus Power for FY 2026-27 (in Rs. Cr)**

Existing ToD	Dates /Hours	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
Off Peak Night	00-01	-	-	-	-	0	-	6	-	-	-	-	-
	01-02	-	-	-	-	-	-	2	-	-	-	-	-
	02-03	-	-	-	-	-	-	1	-	-	-	-	-
	03-04	0	-	-	-	0	-	1	-	-	-	-	-
	04-05	1	-	-	-	0	-	0	-	-	-	-	-
	05-06	2	-	-	-	1	0	1	-	-	-	-	0
Morning Peak	06-07	7	-	-	-	2	0	1	-	0	3	1	0
	07-08	3	-	0	-	2	0	1	-	6	21	12	5
	08-09	0	-	1	-	2	0	3	-	7	24	14	2
Off Peak/ Solar Hours	09-10	1	-	1	1	2	0	5	-	6	20	10	5
	10-11	0	-	0	0	1	1	4	-	-	1	0	4
	11-12	1	-	0	1	1	1	5	-	-	0	1	9
	12-13	1	-	0	2	0	1	4	-	-	0	1	9
	13-14	1	-	0	1	0	0	4	-	-	-	0	7
	14-15	0	-	0	1	2	1	6	-	-	-	0	9
	15-16	0	-	-	0	5	2	6	-	-	-	-	7
16-17	1	-	1	1	6	3	6	-	1	1	0	8	
Evening Peak	17-18	2	0	1	-	4	2	9	1	4	4	1	2
	18-19	8	0	2	-	5	5	11	-	3	2	-	2
	19-20	3	-	2	-	4	8	11	0	-	-	-	-
	20-21	8	-	3	-	3	5	8	0	-	0	0	6
	21-22	4	-	1	-	6	5	11	-	-	0	-	3
Off Peak Night	22-23	-	-	-	-	8	4	9	-	-	-	-	-
	23-24	-	-	-	-	5	4	8	-	-	-	-	-

- 6.4.9 Form the above, it is estimated that there will be a net saving of Rs. 510.22 Crore on account of sale of surplus power and the same has been subtracted from the total variable costs, while computing the total power purchase costs of the Discoms for FY 2026-27.
- 6.4.10 The Hon'ble Commission is requested to consider the net savings on account of sale of surplus power as shown above.

## **6.5 Renewable Consumption Obligation (RCO) for FY 2026-27**

- 6.5.1 The Hon'ble Commission had notified the MPERC (Co-generation and generation of electricity from Renewable sources of energy) (Revision-II) Regulations, 2021 on 12<sup>th</sup> November, 2021 and its first amendment on 16<sup>th</sup> January, 2023. In the said Regulations, the Hon'ble Commission has specified Renewable Purchase Obligation (RPO) for Wind, HPO and Other sources for the Period from FY 2022-23 to FY 2029-30.
- 6.5.2 Recently, the Ministry of Power (MoP) on dated 27<sup>th</sup> September 2025 has notified Renewable Consumption Obligations (RCO) under Section 14 of the Energy Conservation Act, 2001, effective 1<sup>st</sup> April 2024. As per the said notification, for all designated consumers under the Act, no additional Renewable Purchase Obligation shall be applicable under the Electricity Act, 2003 (36 of 2003), and the State-level Renewable Purchase Obligation targets have been subsumed within the Renewable Consumption Obligation targets specified in the notification.
- 6.5.3 As per the said notifications, the RCO obligation is split into wind, hydro, distributed renewable energy (DRE), and other renewables. Wind and hydro RCO can be met only with projects commissioned after March 2024, while DRE covers projects not exceeding 10 MW in size, including rooftop solar under all configurations. Obligations under wind, hydro, and other renewables are interchangeable, but DRE is non-fungible except for surplus.
- 6.5.4 The said notification also provided that any shortfall in meeting the Renewable Consumption Obligation shall be treated as non-compliance and penalty may be imposed in accordance with the provisions under sub-section (3) of section 26 of the Act.
- 6.5.5 The Petitioners find that the Hon'ble Commission has not yet formally amended its existing MPERC (Co-generation and generation of electricity from Renewable sources of energy) (Revision-II) Regulations, 2021 to reflect the Ministry of Power's notification, however it is understood and expected that the Hon'ble Commission shall shortly issue Draft Amendments to align the existing regulatory framework including relevant Regulations with the new RCO provisions.
- 6.5.6 Taking cognizance of the MoP's notification, the Petitioners in this Petition have worked out the quantum of Wind, Hydro, Others and DRE power purchase requirement for RCO compliance for FY 2026-27. For Distribution licensees, the notifications stipulates that Renewable Consumption Obligation shall be calculated based on the electrical energy

supplied to consumers within the periphery of the distribution licensee including the generation from Rooftop Solar.

- 6.5.7 In line with the sample calculations provided under “Example 2” of Ministry of Power’s notification for RCO, the Petitioners have worked out the total electrical input at Discom’s periphery as summarized in the Table below:

**Table 92: Projected Input Energy for RCO calculations for FY 2026-27**

<b>Renewable Consumption Obligation</b>					
<b>S. No</b>	<b>Electricity input at Discom periphery</b>	<b>East</b>	<b>Central</b>	<b>West</b>	<b>MP State</b>
<b>1</b>	From Nuclear sources	967	1,096	1,331	3,395
<b>2</b>	From renewable sources including hydro, wind, solar and co-firing of biomass and municipal solid waste - Inter State	4,978	5,642	6,849	17,469
<b>3</b>	From renewable sources including hydro, wind, solar and co-firing of biomass and municipal solid waste - Intra State	4,413	5,002	6,071	15,486
<b>4</b>	Distribution losses (Normative)	3,836	4,346	4,523	12,705
<b>5</b>	Renewable Energy requisitioned by consumers of distribution licensee as per Green Energy Open Access Rules, and supplied by distribution licensee at Green Tariff	-	-	-	-
<b>6</b>	From fossil sources - Inter State	10,970	12,433	15,091	38,495
<b>7</b>	From fossil sources - Intra State	6,072	6,881	8,352	21,305
<b>8</b>	Energy generation from Roof Top Solar	282	379	524	1,185
<b>9</b>	Total Input at Discom Periphery including RTS	27,683	31,434	38,218	97,334
<b>10</b>	<b>Adjusted consumption for RCO calculation</b>	<b>26,715</b>	<b>30,337</b>	<b>36,887</b>	<b>93,940</b>

- 6.5.8 The energy from nuclear sources, renewables sources, Inter-State and Intra-State fossils sources as shown above, has been estimated based on the scheduled generation from these sources to meet the projected normative demand for FY 2026-27. Whereas input energy from RTS sources have been projected by considering a nominal escalation of 10% on the latest installed capacity of RTS (in MW) as on October 2025 (175.54 MW for East Discom, 235.94 MW for Central Discom & 326.36 MW for West Discom) and with a multiplier of 4 kilowatt hour per kilowatt per day, in accordance with the stipulations outlined in the RCO notification.
- 6.5.9 The Petitioners have worked out the RCO calculations separately for each Distribution Licensee of Madhya Pradesh as shown in the Table below:

**Table 93: Projected RCO Calculation & Surplus Utilization of East Discom for FY 2026-27**

East Discom – RCO Calculation & Surplus Utilization											
Category	RCO Targets % - Wind	Energy Required - MUs	Energy Available - Assessed MUs	Achievement %	Target Achieved %	Surplus/Deficit - MUs	Utilization of Surplus	Achievement after Surplus Adjustment	Additional Purchase (MUs)	Rate for Additional Purchase (Rs./kWh)	Cost of Additional Purchase (Rs. Cr.)
Wind Energy	1.97%	526	254	0.95%	48%	(272)	272	100%	-	4.15	-
Hydro Energy	1.34%	358	86	0.32%	24%	(272)	272	100%	-	6.85	-
DRE	2.70%	721	1,135	4.25%	157%	414	-	110%	-	4.75	-
Other RE	29.94%	7,998	8,198	30.69%	102%	200	-	100%	-	4.31	-

**Table 94: Projected RCO Calculation & Surplus Utilization of Central Discom for FY 2026-27**

Central Discom – RCO Calculation & Surplus Utilization											
Category	RCO Targets % - Wind	Energy Required - MUs	Energy Available - Assessed MUs	Achievement %	Target Achieved %	Surplus/Deficit - MUs	Utilization of Surplus	Achievement after Surplus Adjustment	Additional Purchase (MUs)	Rate for Additional Purchase (Rs./kWh)	Cost of Additional Purchase (Rs. Cr.)
Wind Energy	1.97%	598	288	0.95%	48%	(310)	310	100%	-	4.15	-
Hydro Energy	1.34%	407	97	0.32%	24%	(309)	309	100%	-	6.85	-
DRE	2.70%	819	1,346	4.44%	164%	527	-	114%	-	4.75	-
Other RE	29.94%	9,083	9,292	30.63%	102%	209	-	100%	-	4.31	-

**Table 95: Projected RCO Calculation & Surplus Utilization of West Discom for FY 2026-27**

West Discom – RCO Calculation & Surplus Utilization											
Category	RCO Targets % - Wind	Energy Required - MUs	Energy Available - Assessed MUs	Achievement %	Target Achieved %	Surplus/Deficit - MUs	Utilization of Surplus	Achievement after Surplus Adjustment	Additional Purchase (MUs)	Rate for Additional Purchase (Rs./kWh)	Cost of Additional Purchase (Rs. Cr.)
Wind Energy	1.97%	727	349	48.08%	(377)	(377)	377	100%	-	4.15	-
Hydro Energy	1.34%	494	118	0.32%	24%	(376)	376	100%	-	6.85	-
DRE	2.70%	996	1,698	4.60%	171%	702	-	118%	-	4.75	-
Other RE	29.94%	11,044	11,278	30.57%	102%	234	-	100%	-	4.31	-

6.5.10 From the above, it is observed that Wind and Hydro components have deficits relative to targets, requiring additional purchases. This shortfall primarily arises because obligations under the Wind Energy and Hydro components must be fulfilled using energy generated

from projects commissioned after 31<sup>st</sup> March 2024. Based on the projected capacity additions in respective components, the Petitioners anticipate comparatively lower energy availability, resulting in a deficit.

6.5.11 Whereas DRE and Other RE have surpassed their respective targets, generating surpluses that can be deployed to offset deficits in other categories. Accordingly, in line with Clause 3 of the RCO notification, the Petitioners have adjusted the surplus energy from the DRE and Other RE segments against the shortfall estimated in the Wind Energy and Hydro segments.

6.5.12 The Petitioners request the Hon'ble Commission to kindly approve the above Renewable Consumption Obligation calculations for FY 2026-27.

**6.5.13 In view of foregoing, the Petitioners hereby pray to the Hon'ble Commission to approve assessment of availability, normative scheduling of energy including consideration of technical minimum, treatment of surplus energy and renewable consumption obligation as elaborated in the para above.**

## 6.6 Assessment of Power Purchase Cost for FY 2026-27

### Basis for Station wise Fixed Cost and Variable Charges:

6.6.1 The basis of considering the Fixed cost (Rs. Crores) and the variable charge (Paise/kWh) of different power stations has been indicated in the below table:

**Table 96: Basis for consideration of Fixed & Variable Charges for FY 2026-27**

SI No	Source	FY 2026-27			Basis of Energy Charges
		Fixed Charge (Rs. Cr)	Basis for Fixed Charges	Variable Charge (Rs. /kWh)	
1	Amarkantak TPS Ph-III	174	MPERC MYT Ord dtd 19-05-2021 in P.no. 53 of 2020 for MP Genco Plants for FY 2019-20 to FY 2023-24 read with Corrigendum order dtd 09.09.2021	2.05	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
2	Satpura TPS Ph-IV	511		3.17	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
3	SGTPS Ph-I & II	572		2.73	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
4	SGTPS Ph-III	321		2.10	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
5	Shri Singaji STPS Phase-I	1,081		3.45	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
6	Shri Singaji STPS Phase-II	1,164		2.95	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
<b>A</b>	<b>Total (MP Genco Thermal-MP Share)</b>	<b>3,824</b>			
7	Rani Awanti Bai Sagar, Bargi HPS	10	MPERC MYT Ord dtd 04-03-2025 in P.no. 56 of 2024 for MP Genco Plants for FY 2024-25 to FY 2028-29.	0.76	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
8	Bansagar Ph I HPS (Tons)	23		0.79	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
9	Bansagar Ph-II HPS (Silpara)	23		0.65	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
10	Bansagar Ph-III HPS (Deolond)	23		1.06	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
11	Bansagar Ph-IV HPS (Jhinna)	5		0.81	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)

Sl No	Source	FY 2026-27			Basis of Energy Charges
		Fixed Charge (Rs. Cr)	Basis for Fixed Charges	Variable Charge (Rs. /kWh)	
12	Birsinghpur HPS	3	MPERC MYT Ord dtd 04-03-2025 in P.no. 56 of 2024 for MP Genco Plants for FY 2024-25 to FY 2028-29.	0.84	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
13	Madikheda HPS	11		1.83	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
14	Rajghat HPS	4		2.34	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
15	Gandhisagar HPS	5		1.36	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
16	Ranapratap Sagar HPS	0		1.51	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
17	Jawahar Sagar HPS	0		1.51	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
18	Pench HPS	11		0.65	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
<b>B</b>	<b>Total (MP Genco Hydel)</b>	<b>119</b>			
19	NHDC Indira Sagar HPS	279	CERC Ord 06-01-2022 in P.no. 106/GT/2020 for 01-04-2019 to 31-03-2024	1.80	Energy Charge as per Weighted Avg of past 12 months Bills (Apr-24 to Mar-25)
20	NHDC Omkareshwar HPS	171	CERC Ord 11-03-2022 in P.no. 107/GT/2020 for 01-04-2019 to 31-03-2024	2.01	Energy Charge as per Weighted Avg of past 12 months Bills (Apr-24 to Mar-25)
21	NVDA Sardar Sarovar HPS	101	MPERC Order 06-08-2013 in P.no. 18 of 2013 for 01-04-2014 to 31-03-2017	0.89	Energy Charge as per Weighted Avg of past 12 months Bills (Apr-24 to Mar-25)
22	Rihand HPS	0	UPERC Ord 28.04.2025 in P-2074 of 2024	0.40	As Approved by the Hon'ble Commission in Tariff Order of FY 2025-26
23	Matatila HPS	0	UPERC Ord 28.04.2025 in P-2074 of 2025	0.40	As Approved by the Hon'ble Commission in Tariff Order of FY 2025-26
24	SJVN Rampur HPS	1	CERC Ord dtd. 24-01-2022 in P.no. 28/GT/2020 for 01.04.2019 to 31.03.2024	2.04	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
25	SJVN Jhakri HPS	1	CERC Order dtd. 04.04.2023 in P.no. 27/RP/2021 for 01.04.2019 to 31.03.2024_review of ord in 30/GT/2020	1.21	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
26	Tehri HPS	1	CERC Order dtd. 13-05-2022 in P.no. 97/GT/2020 for 01.04.2019 to 31.03.2024	2.20	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
27	Koteshwar HPP	1	CERC Ord dtd. 08.11.2024 in P.no. 60/GT/2024 for 01.04.2019 to 31.03.2024 (interim Truing-up)	3.29	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)

Sl No	Source	FY 2026-27			Basis of Energy Charges
		Fixed Charge (Rs. Cr)	Basis for Fixed Charges	Variable Charge (Rs. /kWh)	
28	NHPC Parbati II & III	1	CERC Ord dtd. 31.03.2024 in P.no. 96/GT/2020 for 01.04.2019 to 31.03.2024	1.70	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
29	NHPC Chamera II	1	CERC ROrd dtd. 19.05.2024 in P.no. 03/RP/2023_for review of Tariff determined in P-145/GT/2020 for FY 14-19 and determination of Tariff for 01.04.2019 to 31.03.2024	1.36	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
30	NHPC Chamera III	1	CERC ROrd dtd. 12.07.2024 in P.no. 26/RP/2023_for review of Tariff determined in P-642/GT/2020 for FY 14-19 and determination of Tariff for 01.04.2019 to 31.03.2024	2.28	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
31	NHPC Dulhasti	1	CERC Ord dtd. 09.05.2022 in P.no. 146/RP/2020 for 01.04.2019 to 31.03.2024	2.65	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
32	NHPC Dhauliganga	0.4	CERC Ord dtd. 18-08-2022 in P.no. 284/GT/2020 for 01.04.2019 to 31.03.2024	1.42	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
33	NHPC Sewa II	0.3	CERC TuPOrd dtd. 17.08.2023 for FY 14-19 and Tariff for 01.04.2019 to 31.03.2024 P.no. 643/GT/2020	2.25	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
34	NHPC Kishanganga	1	CERC TuPOrd dtd. 12.01.2024 in P.no. 453/GT/2020 for 01.04.2024 to 31.03.2024	3.13	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
35	NTPC Koldam HPP I	1	CERC Ord dtd. 14.01.2024 in P.no. 412/GT/2020 for 01.04.2019 to 31.03.2024	1.52	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
36	NTPC Singrauli Small HPP	0	-	5.04	As per Generic Tariff Order
37	NHPC Lower Subansiri HEP Units	0	-	5.09	As per Generic Tariff Order
38	NHPC - Rangit	0	-	4.37	As per Agreement with Generator
39	SAS Hydel Project Pvt Ltd.	0	-	5.77	As per Agreement with Generator
40	Amhata Hydro Energy Pvt. Ltd.	0	-	5.57	As per Generic Tariff Order
41	Amhata Hydro Energy Pvt. Ltd. - II	0	-	5.84	As per Generic Tariff Order
42	Amhata Hydro Energy Pvt. Ltd. - IV	0	-	5.97	As per Generic Tariff Order
43	Sirmour Small Hydel Pvt. Ltd.	0	-	5.64	As per Generic Tariff Order
44	NVDA Indira sagar LBC HPS	0	-	2.44	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)

Sl No	Source	FY 2026-27			Basis of Energy Charges
		Fixed Charge (Rs. Cr)	Basis for Fixed Charges	Variable Charge (Rs. /kWh)	
45	NVDA Bargi LBC HPS	0	-	2.68	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
46	Mini & Micro Hydel Plants	0	-	5.76	As per MPERC Tariff Order
<b>C</b>	<b>Total (JV Hydel &amp; Other Hydel)</b>	<b>561</b>			
47	NTPC Korba	250	CERC ROrd dtd. 07.12.2022 in P.no. 22/RP/2022 for 01.04.2019 to 31.03.2024_review of order in 486/GT/2020	1.53	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
48	NTPC Korba III	56	CERC Ord dtd. 23.03.2022 in P.no. 419/GT/2020 for 01.04.2019 to 31.03.2024	1.59	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
49	NTPC Vindychal I	270	CERC ROrd dtd. 17.03.2023 in P.no. 11/RP/2022 for 01.04.2019 to 31.03.2024_review of order in P-401/GT/2020	2.17	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
50	NTPC Vindychal II	171	CERC Ord dtd. 10.06.2022 in P.no. 485/GT/2014 for 01.04.2019 to 31.03.2024	2.23	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
51	NTPC Vindychal III	154	CERC Ord 20.01.2023 in P.no. 402/GT/2020 for 01.04.2019 to 31.03.2024	2.20	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
52	NTPC Vindychal IV	322	CERC Order dtd. 05.01.2024 in P.no. 422/GT/2020 for 01.04.2019 to 31.03.2024	2.10	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
53	NTPC Vindychal V Unit 1	163	CERC Ord 15.06.2023 in P.no. 415/GT/2020 for 01.04.2019 to 31.03.2024	2.24	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
54	NTPC Sipat I	280	CERC Ord dtd. 06.06.2022 in P.no. 425/GT/2020 for 01.04.2019 to 31.03.2024	1.63	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
55	NTPC Sipat II	126	CERC Ord dtd. 06.06.2022 in P.no. 435/GT/2020 for 01.04.2019 to 31.03.2024	1.82	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
56	NTPC Mouda I	17	CERC ROrd dtd.01.05.2024 in P.no.10/RP/2023 for 01.04.2014 to 31.03.2019_review order in 393/GT/2020	3.64	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
57	NTPC Mouda II Unit 1	26	CERC Ord dtd. 04.03.2023 in P.no. 423/GT/2020 for 01.04.2029 to 31.03.2024	3.52	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
58	NTPC Solapur STPS	458	CERC Ord dtd. 02.08.2024 in P.no. 246/GT/2021 for 01.04.2019 to 31.03.2024	5.20	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
59	NTPC Gadarwara STPS, Unit-1	599	CERC Corrig. Ord. 16-06-2025 in Petition No. for 01.04.2019 to 31.03.2024	4.04	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)

Sl No	Source	FY 2026-27			Basis of Energy Charges
		Fixed Charge (Rs. Cr)	Basis for Fixed Charges	Variable Charge (Rs. /kWh)	
60	NTPC Lara STPS, Raigarh, Unit I	283	CERC Ord dtd. 02.08.2024 in P.no. 145/GT/2019 for 01.10.2019 to 31.03.2024	2.01	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
61	NTPC Khargone STPS, Unit-I & II	994	CERC Ord dtd. 26.07.2023 in P.no. 402/GT/2019 for 01.02.2020 to 31.03.2024	4.36	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
62	KAPP Kakrapar (including new capacity addition)	0	-	3.65	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
63	TAPP Tarapur	0	-	3.43	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
64	NTPC Gadarwara STPS, Unit-2	599	CERC Corrig. Ord. 16-06-2025 in Petition No. for 01.04.2019 to 31.03.2024	4.04	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
<b>D</b>	<b>Total WR Region</b>	<b>4,769</b>			
65	NTPC Kahalgaon II	48	CERC Ord 29.03.2023 in P.no. 442/GT/2020 for 01-04-2019 to 31-03-2024	2.60	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
66	DVC (MTPS & CTPS)	106	As per LOI	3.35	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
<b>E</b>	<b>Total ER Region</b>	<b>144</b>			
67	NTPC Auraiya GPP	1	CERC Ord dtd. 31.05.2023 in P.no. 428/GT/2020 for 01-04-2019 to 31-03-2024	8.76	As per Tariff Order of FY 2025-26
68	NTPC Dadri GPP	1	CERC Ord dtd. 13-11-2021 in P.no. 400/GT/2020 for 01-04-2019 to 31-03-2024	2.65	As per Tariff Order of FY 2025-26
69	NTPC Anta GPP	1	CERC Ord dtd. 05.09.2023 in P.no. 432/GT/2020 for 01.04.2019 to 31.03.2024	3.09	As per Tariff Order of FY 2025-26
70	NTPC Firoz Gandhi Unchahar I	0	CERC Ord dtd. 07.10.2022 in P.no. 431/GT/2020 for 01.04.2019 to 31.03.2024	3.69	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
71	NTPC Firoz Gandhi Unchahar II	0	CERC Ord dtd. 12-12-2021 in P.no. 438/GT/2020 for 01.04.2019 to 31.03.2024	3.61	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
72	NTPC Firoz Gandhi Unchahar III	0	CERC Ord dtd. 07.10.2022 in P.no. 427/GT/2020 for 01.04.2019 to 31.03.2024	4.42	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
73	NTPC Firoz Gandhi Unchahar IV	1	CERC Ord dtd. 29.03.2023 in P.no. 197-GT/2017 and 364-GT-2020 and 3/GT/2021 for 01-04-2019 to 31.03.2024_implementation of APTEL Judgment dt 22.09.2022 in Appeal no. 61/2020	3.40	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)

Sl No	Source	FY 2026-27			Basis of Energy Charges
		Fixed Charge (Rs. Cr)	Basis for Fixed Charges	Variable Charge (Rs. /kWh)	
74	NTPC Rihand TPS-I	1	CERC Ord dtd. 15.09.2023 in P.no. 433/GT/2020 for 01.04.2019 to 31.03.2024	1.70	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
75	NTPC Rihand TPS-II	0	CERC ROrd dtd. 26.09.2023 in P.no. 34/RP/2022 for 01-04-2019 to 31-03-2024_review of ord in 426/GT/2020	1.68	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
76	NTPC Rihand TPS-III	1	CERC Ord dtd. 27.12.2023 in P.no. 430/GT/2020 for 01-04-2019 to 31-03-2024	1.57	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
77	NTPC NCTP Dadri II	1	CERC Ord 01-06-2022 in P.no. 2/GT/2021 for 01-04-2019 to 31-03-2024	4.11	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
78	NTPC Singrauli	1	CERC Ord dtd. 05.09.2023 in P.no. 424/GT/2020 for 01-04-2019 to 31-03-2024	1.77	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
79	NTPC IGPS I Jhajjar	2	CERC Order dtd. 22.09.2022 in P.no. 489/GT/2020 for 01-04-2019 to 31-03-2024	4.26	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
80	MEJA Urja Nigam	3	CERC Ord dtd. 19.05.2024 in P.no. 183/GT/2022 for 30.04.2019 to 31.03.2024	3.23	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
81	NTPC Tanda	1	CERC Ord dtd. 02.05.2025 in P.no. 281/GT/2020 for the period from COD of Unit-1 (07.11.2019) to 31.03.2024	1.40	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
82	Ghatampur TPP	2	CERC Ord dtd. 12.08.2025 in P.no. 370/GT/2025 for period from CoD of Unit-1 (12.12.2024) to 31.03.2029	3.19	-
83	Khurja STPS	2	CERC Ord dtd. 31.08.2025 in P.no. 475/GT/2025 for period from CoD of Unit-1 (26.01.2025) to 31.03.2029	2.17	-
84	Rajasthan (NPCIL)	0	Tariff @ Rs 2.9914 as DAE Notification dtd 22.03.2018 for 01.04.2017 to 31.03.2022	4.07	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
85	NARORA (NPCIL)	0	Tariff @ Rs 3.9248 as DAE Notification dtd 22.03.2018 for 01.04.2017 to 31.03.2022	2.77	Energy Charge as per Weighted Avg of past 12 months Bills (Oct-24 to Sept-25)
<b>F</b>	<b>Total NR Region</b>	<b>18</b>			
86	Torrent Power	26	CERC Ord dtd 20.08.2020 in P.no. 268/GT/2019 for 01.04.2019 to 31.03.2024	0.00	Energy Charge as per Weighted Avg of past 12 months Bills ( Oct-24 to Sept-25)
87	BLA Power, Unit-I & II	72	MPERC Ord dtd 13-06-2023 in P.no. 14/2023 for FY 2019-20 to FY 2023-24	4.08	Energy Charge as per Weighted Avg of past 12 months Bills ( Oct-24 to Sept-25)

Sl No	Source	FY 2026-27			Basis of Energy Charges
		Fixed Charge (Rs. Cr)	Basis for Fixed Charges	Variable Charge (Rs. /kWh)	
88	Jaypee Bina Power	368	MPERC Ord dtd 28.02.2025 in P.no. 52/2024 for FY 2024-25 to FY 2028-29	3.42	Energy Charge as per Weighted Avg of past 12 months Bills ( Oct-24 to Sept-25)
89	Lanco Amarkantak TPS Unit 1	264	MPERC Ord dtd 24-08-2021 in P.no. 60/2020 for FY 2014-15 to FY 2018-19	2.34	Energy Charge as per Weighted Avg of past 12 months Bills ( Oct-24 to Sept-25)
90	Reliance UMPP, Sasan	166	MPERC Ord dtd 08-05-2021 in P.no. 47/2020 for FY 2019 to FY 2024	1.51	Energy Charge as per Weighted Avg of past 12 months Bills ( Apr-24 to Mar-25)
91	Essar Power STPS	0	-	2.07	Energy Charge as per Weighted Avg of past 12 months Bills ( Oct-24 to Sept-25)
92	Jaiprakash Power STPS, Nigri	484	MPERC Ord dtd 03-05-2021 in P.no. 43/2020 for FY 2019 to FY 2024	0.83	Energy Charge as per Weighted Avg of past 12 months Bills ( Oct-24 to Sept-25)
93	MB Power STPS, Unit-I	220	MPERC Ord dtd 01-05-2021 in P.no. 46/2020 for FY 2019 to FY 2024	2.83	Energy Charge as per Weighted Avg of past 12 months Bills ( Oct-24 to Sept-25)
94	MB Power STPS, Unit-II	220	MPERC Ord dtd 01-05-2021 in P.no. 46/2020 for FY 2019 to FY 2024	2.83	Energy Charge as per Weighted Avg of past 12 months Bills ( Oct-24 to Sept-25)
95	Jhabua Power STPS, Unit-1	225	MPERC Ord dtd 08-05-2021 in P.no. 47/2020 for FY 2019 to FY 2024	3.26	Energy Charge as per Weighted Avg of past 12 months Bills ( Oct-24 to Sept-25)
96	PFCCL	77		2.55	
<b>G</b>	<b>Total (IPPs)</b>	<b>2,123</b>			
97	DRE Solar	0	-	3.92	As per weighted average of discovered/ approved rate
98	ISTS Solar	0	-	2.65	As per weighted average of discovered/ approved rate
99	MP Solar	0	-	5.46	As per weighted average of discovered/ approved rate
100	DRE Wind	0	-	5.17	As per weighted average of discovered/ approved rate
101	ISTS Wind	0	-	2.89	As per weighted average of discovered/ approved rate
102	MP Wind	0	-	5.58	As per weighted average of discovered/ approved rate
103	Bio Mass/Bio gas/MSW	0	-	7.37	Energy Charge as per Weighted Avg of past 12 months Bills (Apr-24 to Mar-25)
<b>H</b>	<b>Total Renewable Energy</b>	<b>0</b>			

Sl No	Source	FY 2026-27		Basis of Energy Charges
		Fixed Charge (Rs. Cr)	Basis for Fixed Charges	
<b>J</b>	<b>Total</b>	<b>11,566</b>		

## 6.7 Merit Order Dispatch

6.7.1 For determination of power purchase expenses, the Petitioners have applied the principles of Merit Order Dispatch (MOD) duly honouring the Technical Minimum Run on the basis of energy charges as submitted in this Petition.

6.7.2 The MoD applied for FY 2026-27 is given in the following Table:

**Table 97: Merit Order Dispatch for FY 2026-27**

Sr. No	Must Run Sources	Variable Charge (Paisa/kWh)	Rank	MOD Stations	Variable Charge (Paisa/kWh)
1	Rihand HPS	0.40	1	Torrent Power	0.00
2	Matatila HPS	0.40	2	Jaiprakash Power STPS, Nigri	0.83
3	Bansagar Ph-II HPS (Silpara)	0.65	3	NTPC Tanda	1.40
4	Pench HPS	0.65	4	Reliance UMPP, Sasan	1.51
5	Rani Awanti Bai Sagar, Bargi HPS	0.76	5	NTPC Korba	1.53
6	Bansagar Ph I HPS (Tons)	0.79	6	NTPC Rihand TPS-III	1.57
7	Bansagar Ph-IV HPS (Jhinna)	0.81	7	NTPC Korba III	1.59
8	Birsinghpur HPS	0.84	8	NTPC Sipat I	1.63
9	NVDA Sardar Sarovar HPS	0.89	9	NTPC Rihand TPS-II	1.68
10	Bansagar Ph-III HPS (Deolond)	1.06	10	NTPC Rihand TPS-I	1.70
11	SJVN Jhakri HPS	1.21	11	NTPC Singrauli	1.77
12	Gandhisagar HPS	1.36	12	NTPC Sipat II	1.82
13	NHPC Chamera II	1.36	13	NTPC Lara STPS, Raigarh, Unit I	2.01
14	NHPC Dhauliganga	1.42	14	Amarkantak TPS Ph-III	2.05
15	Ranapratap Sagar HPS	1.51	15	Essar Power STPS	2.07
16	Jawahar Sagar HPS	1.51	16	NTPC Vindychal IV	2.10
17	NTPC Koldam HPP I	1.52	17	SGTPS Ph-III	2.10
18	NHPC Parbati II & III	1.70	18	NTPC Vindychal I	2.17
19	NHDC Indira Sagar HPS	1.80	19	Khurja STPS	2.17
20	Madikheda HPS	1.83	20	NTPC Vindychal III	2.20
21	NHDC Omkareshwar HPS	2.01	21	NTPC Vindychal II	2.23
22	SJVN Rampur HPS	2.04	22	NTPC Vindychal V Unit 1	2.24
23	Tehri HPS	2.20	23	Lanco Amarkantak TPS Unit 1	2.34
24	NHPC Sewa II	2.25	24	PFCCCL	2.55
25	NHPC Chamera III	2.28	25	NTPC Kahalgaon II	2.60
26	Rajghat HPS	2.34	26	NTPC Dadri GPP	2.65
27	NVDA Indira Sagar LBC HPS	2.44	27	SGTPS Ph-I & II	2.73
28	ISTS Solar	2.65	28	MB Power STPS, Unit-I	2.83
29	NHPC Dulhasti	2.65	29	MB Power STPS, Unit-II	2.83
30	NVDA Bargi LBC HPS	2.68	30	Shri Singaji STPS Phase-II	2.95
31	NARORA (NPCIL)	2.77	31	NTPC Anta GPP	3.09
32	ISTS Wind	2.89	32	Satpura TPS Ph-IV	3.17
33	NHPC Uri II	2.99	33	Ghatampur TPP	3.19
34	NHPC Kishanganga	3.13	34	MEJA Urja Nigam	3.23
35	Koteshwar HPP	3.29	35	Jhabua Power STPS, Unit-1	3.26
36	TAPP Tarapur	3.43	36	DVC (MTPS & CTPS)	3.35
37	KAPP Kakrapar	3.65	37	NTPC Firoz Gandhi Unchahar IV	3.40
38	DRE Solar	3.92	38	Jaypee Bina Power	3.42
39	NHPC -Tiesta	4.07	39	Shri Singaji STPS Phase-I	3.45
40	Rajasthan (NPCIL)	4.07	40	NTPC Mouda II Unit 1	3.52
41	NHPC - Rangit	4.37	41	NTPC Firoz Gandhi Unchahar II	3.61
42	NTPC Singrauli Small HPP	5.04	42	NTPC Mouda I	3.64

Sr. No	Must Run Sources	Variable Charge (Paisa/kWh)	Rank	MOD Stations	Variable Charge (Paisa/kWh)
43	NHPC Lower Subansiri HEP Units	5.09	43	NTPC Firoz Gandhi Unchahar I	3.67
44	DRE Wind	5.17	44	NTPC Gadawara STPS, Unit-1	4.04
45	MP Solar	5.46	45	NTPC Gadawara STPS, Unit-2	4.04
46	Amhata Hydro Energy Pvt. Ltd.	5.57	46	BLA Power, Unit-I & II	4.08
47	MP Wind	5.58	47	NTPC NCTP Dadri II	4.11
48	Sirmour Small Hydel Pvt. Ltd.	5.64	48	NTPC IGPS I Jhajjar	4.26
49	Mini & Micro Hydel Plants	5.76	49	NTPC Khargone STPS, Unit-I & II	4.36
50	SAS Hydel Project Pvt Ltd.	5.77	50	NTPC Firoz Gandhi Unchahar III	4.42
51	Amhata Hydro Energy Pvt. Ltd. - II	5.84	51	NTPC Solapur STPS	5.20
52	Amhata Hydro Energy Pvt. Ltd. - IV	5.97	52	NTPC Auraiya GPP	8.76
53	Bio Mass/Bio gas/MSW	7.37			

## 6.8 Summary of Power Purchase Cost for FY 2026-27

6.8.1 The following Table provides the comparison of the total power purchase costs (fixed costs and variable costs) of Stations as approved in the MYT Order and as projected for FY 2026-27 before consideration of MPPMCL Cost and treatment of surplus energy:

**Table 98: Revised claim of Station-wise Power Purchase Cost for FY 2026-27 against approved in MYT Order**

Sr. No	Particulars	Approved for FY 2026-27 in MYT Order			Revised claim for FY 2026-27						
		Fixed Charge	Variable Charge	Total	Energy Availability (MUs)	Energy Schedule (MUs)		Variable Cost (Rs. Cr)		Fixed Charges (Rs. Cr)	Total Charges (Rs. Crore)
						As per TMM/Must Run	As per MOD	For TMM/ Must Run	For MOD		
1	Amarkantak TPS Ph-III	162.11	188.02	350.13	1300.3	715.1	422.9	146.7	86.8	174.0	407.5
2	Satpura TPS Ph-IV	603.99	846.71	1450.7	3265.6	1796.1	343.4	570.1	109.0	511.2	1190.3
3	SGTPS Ph-I & II	432.08	1256.82	1688.9	4627.3	2545.0	1113.2	693.8	303.5	571.6	1568.9
4	SGTPS Ph-III	309.32	797.91	1107.23	3200.3	1760.1	1009.5	370.2	212.4	321.4	904.0
5	Shri Singaji STPS Phase-I	1246.84	1363.92	2610.76	7466.8	4106.7	363.5	1416.9	125.4	1081.5	2623.8
6	Shri Singaji STPS Phase-II	1314.19	705.21	2019.4	8492.0	4670.6	1286.0	1375.7	378.8	1164.0	2918.4
<b>A</b>	<b>Total (MP Genco Thermal-MP Share)</b>	<b>4,068.53</b>	<b>5,158.59</b>	<b>9,227.12</b>	<b>28352.3</b>	<b>15593.7</b>	<b>4538.6</b>	<b>4573.4</b>	<b>1215.8</b>	<b>3823.7</b>	<b>9612.9</b>
7	Rani Awanti Bai Sagar, Bargi HPS	8.12	7.71	15.83	471.0	471.0	0.0	35.7	0.0	9.9	45.6
8	Bansagar Ph I HPS (Tons)	21.34	87.46	108.8	788.9	788.9	0.0	62.7	0.0	23.3	86.0
9	Bansagar Ph-II HPS (Silpara)	25.92	7.78	33.7	103.4	103.4	0.0	6.7	0.0	23.3	30.0
10	Bansagar Ph-III HPS (Deolond)	25.92	8.26	34.18	93.3	93.3	0.0	9.9	0.0	23.3	33.2
11	Bansagar Ph-IV HPS (Jhinna)	4.82	5.39	10.21	82.9	82.9	0.0	6.7	0.0	5.2	11.9
12	Birsinghpur HPS	2.19	3.67	5.86	62.6	62.6	0.0	5.2	0.0	3.1	8.3
13	Madikheda HPS	9.47	19.56	29.03	78.0	78.0	0.0	14.3	0.0	10.5	24.8
14	Rajghat HPS	2.7	4.41	7.11	106.5	106.5	0.0	24.9	0.0	3.9	28.9
15	Gandhisagar HPS	3.34	3.06	6.4	269.5	269.5	0.0	36.6	0.0	4.9	41.5
16	Ranapratap Sagar HPS	0	45.08	45.08	192.5	192.5	0.0	29.1	0.0	0.0	29.1
17	Jawahar Sagar HPS				155.7	155.7	0.0	23.5	0.0	0.0	0.0

Sr. No	Particulars	Approved for FY 2026-27 in MYT Order			Revised claim for FY 2026-27						
		Fixed Charge	Variable Charge	Total	Energy Availability (MUs)	Energy Schedule (MUs)		Variable Cost (Rs. Cr)		Fixed Charges (Rs. Cr)	Total Charges (Rs. Crore)
						As per TMM/Must Run	As per MOD	For TMM/ Must Run	For MOD		
18	Pench HPS	9.5	9.42	18.92	325.3	325.3	0.0	21.2	0.0	11.1	32.3
<b>B</b>	<b>Total (MP Genco Hydel)</b>	<b>113.32</b>	<b>201.8</b>	<b>315.12</b>	<b>2729.6</b>	<b>2729.6</b>	<b>0.0</b>	<b>276.5</b>	<b>0.0</b>	<b>118.6</b>	<b>395.1</b>
19	NHDC Indira Sagar HPS	279.46	280.37	559.83	3024.5	3024.5	0.0	545.1	0.0	279.5	824.6
20	NHDC Omkareshwar HPS	199.22	228.57	427.79	1572.8	1572.8	0.0	316.1	0.0	171.4	487.5
21	NVDA Sardar Sarovar HPS	101.45	178.85	280.3	2499.8	2499.8	0.0	221.3	0.0	101.4	322.7
22	Rihand HPS	0	4.44	4.44	67.9	67.9	0.0	2.7	0.0	0.0	2.7
23	Matatila HPS	0	1.61	1.61	35.8	35.8	0.0	1.4	0.0	0.0	1.4
24	SJVN Rampur HPS	0.5	0.6	1.1	2.2	2.2	0.0	0.5	0.0	0.6	1.0
25	SJVN Jhakri HPS	1.08	1.31	2.39	8.7	8.7	0.0	1.1	0.0	1.3	2.4
26	Tehri HPS	1.03	1.12	2.15	5.8	5.8	0.0	1.3	0.0	1.0	2.2
27	Koteshwar HPP	0.37	0.4	0.77	2.3	2.3	0.0	0.8	0.0	0.6	1.3
28	NHPC Parbati II & III	0.62	0.49	1.11	11.6	11.6	0.0	2.0	0.0	0.6	2.6
29	NHPC Chamera II	0.38	0.44	0.82	3.2	3.2	0.0	0.4	0.0	0.5	1.0
30	NHPC Chamera III	0.45	0.48	0.93	2.0	2.0	0.0	0.5	0.0	0.5	1.0
31	NHPC Dulhasti	1.09	1.06	2.15	3.4	3.4	0.0	0.9	0.0	1.1	2.0
32	NHPC Dhauliganga	0.29	0.3	0.59	2.5	2.5	0.0	0.4	0.0	0.4	0.7
33	NHPC Sewa II	0.3	0.34	0.64	1.1	1.1	0.0	0.2	0.0	0.3	0.5
34	NHPC Uri II	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	NHPC Kishanganga	0.49	0.47	0.96	2.9	2.9	0.0	0.9	0.0	1.0	1.9
36	NTPC Koldam HPP I	0.79	0.92	1.71	3.3	3.3	0.0	0.5	0.0	0.8	1.3
37	NTPC Singrauli Small HPP	0	0.11	0.11	0.1	0.1	0.0	0.0	0.0	0.0	0.0
38	NHPC Lower Subansiri HEP Units	0	25.14	25.14	270.1	270.1	0.0	137.5	0.0	0.0	137.5
39	NHPC -Tiesta	-	-	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	NHPC - Rangit	-	-	0	50.4	50.4	0.0	22.0	0.0	0.0	22.0

Sr. No	Particulars	Approved for FY 2026-27 in MYT Order			Revised claim for FY 2026-27						
		Fixed Charge	Variable Charge	Total	Energy Availability (MUs)	Energy Schedule (MUs)		Variable Cost (Rs. Cr)		Fixed Charges (Rs. Cr)	Total Charges (Rs. Crore)
						As per TMM/Must Run	As per MOD	For TMM/ Must Run	For MOD		
41	SAS Hydel Project Pvt Ltd.	-	-	0	30.7	30.7	0.0	17.7	0.0	0.0	17.7
42	Amhata Hydro Energy Pvt. Ltd.	-	-	0	11.3	11.3	0.0	6.3	0.0	0.0	6.3
43	Amhata Hydro Energy Pvt. Ltd. - II	-	-	0	11.3	11.3	0.0	6.6	0.0	0.0	6.6
44	Amhata Hydro Energy Pvt. Ltd. - IV	-	-	0	11.3	11.3	0.0	6.8	0.0	0.0	6.8
45	Sirmour Small Hydel Pvt. Ltd.	-	-	0	153.0	153.0	0.0	86.3	0.0	0.0	86.3
46	NVDA Indira sagar LBC HPS	-	-	0	47.2	47.2	0.0	11.5	0.0	0.0	11.5
47	NVDA Bargi LBC HPS	-	-	0	31.5	31.5	0.0	8.4	0.0	0.0	8.4
48	Mini & Micro Hydel Plants	-	-	0	22.8	22.8	0.0	13.2	0.0	0.0	13.2
<b>C</b>	<b>Total (JV Hydel &amp; Other Hydel)</b>	<b>587.52</b>	<b>727.02</b>	<b>1314.54</b>	<b>7889.6</b>	<b>7889.6</b>	<b>0.0</b>	<b>1412.5</b>	<b>0.0</b>	<b>560.8</b>	<b>1973.2</b>
49	NTPC Korba	225.38	653.5	878.88	3239.0	1781.4	1070.4	273.4	164.3	250.3	687.9
50	NTPC Korba III	70.08	100.09	170.17	508.4	278.5	169.4	44.2	26.9	56.3	127.4
51	NTPC Vindychal I	269.99	687.55	957.54	2760.9	1506.4	849.8	327.2	184.6	270.5	782.2
52	NTPC Vindychal II	152.14	489.21	641.35	2194.0	1190.8	624.5	265.4	139.2	170.8	575.4
53	NTPC Vindychal III	175.71	388.24	563.95	1783.5	959.7	533.2	211.2	117.3	153.5	482.0
54	NTPC Vindychal IV	303.52	394.33	697.85	1985.1	1061.8	636.8	222.6	133.5	321.9	677.9
55	NTPC Vindychal V Unit 1	159.85	223.45	383.3	1015.3	541.7	283.2	121.2	63.4	163.3	347.9
56	NTPC Sipat I	294.02	433.63	727.65	2135.2	1138.5	710.7	185.1	115.5	280.1	580.7
57	NTPC Sipat II	158.27	242.92	401.19	1321.2	700.1	427.9	127.4	77.9	126.4	331.8
58	NTPC Mouda I	24.39	57.25	81.64	1327.1	702.1	18.6	255.4	6.8	17.3	279.4
59	NTPC Mouda II Unit 1	24.73	71.38	96.11	1811.8	956.4	34.9	337.1	12.3	25.6	375.0
60	NTPC Solapur STPS	487.44	519.84	1007.28	2168.6	1142.0	0.0	593.9	0.0	458.1	1052.0
61	NTPC Gadawara STPS, Unit-1	570.18	937.21	1507.39	2781.4	1464.9	21.8	591.2	8.8	598.7	1198.7
62	NTPC Lara STPS, Raigarh, Unit I	138.17	184.38	322.55	1175.9	613.6	373.0	123.2	74.9	283.5	481.5

Sr. No	Particulars	Approved for FY 2026-27 in MYT Order			Revised claim for FY 2026-27						
		Fixed Charge	Variable Charge	Total	Energy Availability (MUs)	Energy Schedule (MUs)		Variable Cost (Rs. Cr)		Fixed Charges (Rs. Cr)	Total Charges (Rs. Crore)
						As per TMM/Must Run	As per MOD	For TMM/Must Run	For MOD		
63	NTPC Khargone STPS, Unit-I & II	851.54	1074.02	1925.56	4600.7	2386.1	0.0	1040.6	0.0	994.0	2034.6
64	NTPC Kawas GPP	86.91	115.72	202.63	0.9	0.5	0.3	0.0	0.0	0.1	0.1
65	NTPC Gandhar GPP	92.06	271.38	363.44	1.0	0.5	0.4	0.0	0.0	0.1	0.1
66	KAPP Kakrapar	0	178.41	178.41	2104.8	2104.8	0.0	767.9	0.0	0.0	767.9
67	TAPP Tarapur	0	542.71	542.71	1526.8	1526.8	0.0	524.2	0.0	0.0	524.2
68	NTPC Gadarwara STPS, Unit-2	570.18	891.03	1461.21	2951.0	1529.4	4.1	617.3	1.7	598.7	1217.6
<b>D</b>	<b>Total WR Region</b>	<b>4,654.56</b>	<b>8,456.25</b>	<b>13,110.81</b>	<b>37392.7</b>	<b>21586.0</b>	<b>5759.1</b>	<b>6628.4</b>	<b>1126.9</b>	<b>4769.1</b>	<b>12524.4</b>
69	NTPC Kahalgaon II	56.71	111.09	167.8	552.5	284.9	140.6	74.1	36.6	47.8	158.4
70	DVC (MTPS & CTPS)				767.1	394.2	63.6	132.1	21.3	105.7	259.1
<b>E</b>	<b>Total ER Region</b>	<b>56.71</b>	<b>111.09</b>	<b>167.8</b>	<b>1319.6</b>	<b>679.1</b>	<b>204.3</b>	<b>206.2</b>	<b>57.9</b>	<b>153.4</b>	<b>417.6</b>
71	NTPC Auraiya GPP	0.74	3.13	3.87	13.1	6.7	0.0	5.9	0.0	1.0	6.9
72	NTPC Dadri GPP	0.76	3.77	4.53	17.1	8.8	4.3	2.3	1.1	0.9	4.4
73	NTPC Anta GPP	0.52	0.54	1.06	8.3	4.3	1.0	1.3	0.3	0.5	2.2
74	NTPC Firoz Gandhi Unchahar I	0.25	0.29	0.55	0.9	0.4	0.0	0.2	0.0	0.1	0.3
75	NTPC Firoz Gandhi Unchahar II	0.7	0.5	1.2	2.7	1.4	0.0	0.5	0.0	0.3	0.8
76	NTPC Firoz Gandhi Unchahar III	0.43	0.35	0.78	1.3	0.7	0.0	0.3	0.0	0.2	0.5
77	NTPC Firoz Gandhi Unchahar IV	1.32	1.07	2.39	3.2	1.6	0.2	0.6	0.1	0.5	1.2
78	NTPC Rihand TPS-I	1.16	2.4	3.56	6.4	3.3	2.1	0.6	0.4	0.5	1.4
79	NTPC Rihand TPS-II	1.09	3.05	4.14	6.4	3.3	2.1	0.6	0.4	0.5	1.4
80	NTPC Rihand TPS-III	2.45	3.35	5.8	6.4	3.3	2.1	0.5	0.3	0.9	1.8
81	NTPC NCTP Dadri II	2.13	1.67	3.8	6.2	3.2	0.0	1.3	0.0	0.8	2.1
82	NTPC Singrauli	1.9	5.31	7.21	12.8	6.6	4.2	1.2	0.7	1.0	2.9
83	NTPC IGPS I Jhajar	2.05	0.15	2.2	15.1	7.7	0.0	3.3	0.0	2.3	5.6
84	MEJA Urja Nigam	2.04	1.56	3.6	13.1	6.7	1.2	2.2	0.4	2.9	5.5

Sr. No	Particulars	Approved for FY 2026-27 in MYT Order			Revised claim for FY 2026-27						
		Fixed Charge	Variable Charge	Total	Energy Availability (MUs)	Energy Schedule (MUs)		Variable Cost (Rs. Cr)		Fixed Charges (Rs. Cr)	Total Charges (Rs. Crore)
						As per TMM/Must Run	As per MOD	For TMM/Must Run	For MOD		
85	NTPC Tanda	1.71	3.82	5.53	5.6	2.9	2.0	0.4	0.3	1.0	1.7
86	Ghatampur TPP	0	0	0	6.0	3.1	0.6	1.0	0.2	2.0	3.2
87	Khurja STPS	0	0	0	17.6	9.1	5.3	2.0	1.2	2.3	5.5
88	Rajasthan (NPCIL)	0	4.14	4.14	20.4	20.4	0.0	8.3	0.0	0.0	8.3
89	NARORA (NPCIL)	0	2.37	2.37	8.5	8.5	0.0	2.3	0.0	0.0	2.3
<b>F</b>	<b>Total NR Region</b>	<b>19.25</b>	<b>37.47</b>	<b>56.73</b>	<b>171.1</b>	<b>102.0</b>	<b>25.2</b>	<b>34.7</b>	<b>5.4</b>	<b>17.9</b>	<b>57.9</b>
90	Torrent Power	0	0	0	0.0	0.0	0.0	0.0	0.0	26.2	26.2
91	BLA Power, Unit-I & II	16.09	57.1	73.19	198.4	101.7	0.0	41.5	0.0	71.9	113.4
92	Jaypee Bina Power	413.65	493.46	907.11	2320.5	1198.9	171.8	409.9	58.7	367.6	836.2
93	Lanco Amarkantak TPS Unit 1	264.22	394.3	658.52	1862.0	948.0	508.6	221.7	119.0	264.2	604.9
94	Reliance UMPP, Sasan	166.58	1592.74	1759.32	10310.2	4870.7	3569.7	736.8	540.0	166.3	1443.2
95	Essar Power STPS	0	0	0	336.3	157.3	111.9	32.6	23.2	0.0	55.7
96	Jaiprakash Power STPS, Nigri	521.57	247.81	769.38	3438.1	1555.5	1268.0	128.8	105.0	484.0	717.8
97	MB Power STPS, Unit-I	440.06	775.83	1215.89	1451.9	633.2	306.0	179.3	86.6	220.0	486.0
98	MB Power STPS, Unit-II	0	0	0	1451.9	624.3	286.4	176.8	81.1	220.0	477.9
99	Jhabua Power STPS, Unit-1	225.45	389.67	615.12	1304.6	555.9	111.8	180.9	36.4	225.5	442.8
100	PFCCCL	0	0	0	1597.5	671.7	435.7	171.0	110.9	76.4	358.3
<b>G</b>	<b>Total (IPPs)</b>	<b>2,047.62</b>	<b>3,950.91</b>	<b>5,998.53</b>	<b>24271.4</b>	<b>11317.2</b>	<b>6770.0</b>	<b>2279.3</b>	<b>1160.9</b>	<b>2122.2</b>	<b>5562.4</b>
101	DRE Solar	0	4130.27	4130.27	1847.7	1847.7	0.0	723.8	0.0	0.0	723.8
102	ISTS Solar				12595.5	12595.5	0.0	3333.5	0.0	0.0	3333.5
103	MP Solar				2615.7	2615.7	0.0	1428.4	0.0	0.0	1428.4
104	DRE Wind	0	5374.03	5374.03	782.5	782.5	0.0	404.6	0.0	0.0	404.6
105	ISTS Wind				2837.9	2837.9	0.0	820.0	0.0	0.0	820.0
106	MP Wind				3158.4	3158.4	0.0	1761.2	0.0	0.0	1761.2

Sr. No	Particulars	Approved for FY 2026-27 in MYT Order			Revised claim for FY 2026-27						
		Fixed Charge	Variable Charge	Total	Energy Availability (MUs)	Energy Schedule (MUs)		Variable Cost (Rs. Cr)		Fixed Charges (Rs. Cr)	Total Charges (Rs. Crore)
						As per TMM/Must Run	As per MOD	For TMM/Must Run	For MOD		
107	Bio Mass/Bio gas/MSW	0	0	0	66.6	66.6	0.0	49.1	0.0	0.0	49.1
<b>H</b>	<b>Total Renewable Energy</b>	<b>0</b>	<b>9504.3</b>	<b>9504.3</b>	<b>23904.5</b>	<b>23904.5</b>	<b>0.0</b>	<b>8520.6</b>	<b>0.0</b>	<b>0.0</b>	<b>8520.6</b>
<b>I</b>	<b>IEX/Short Term Purchase</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>J</b>	<b>Total</b>	<b>11,547.51</b>	<b>28,147.43</b>	<b>39,694.95</b>	<b>1,26,030.8</b>	<b>83,801.7</b>	<b>17,297.2</b>	<b>23,931.6</b>	<b>3,566.9</b>	<b>11,565.8</b>	<b>39,064.3</b>

6.8.2 The Table below shows the Total costs (fixed costs and variable costs) of Stations allocated to MP State and the three Discoms after consideration of MPPMCL Cost, net savings from surplus energy and considering the transmission charges (Inter State & Intra State) for FY 2026-27:

**Table 99: Total Power Purchase Cost for MP State for FY 2026-27**

Sr. No	Particulars	Claim for FY 2026-27		
		Fixed Charge	Variable Charge	Total
1	Gross Power Purchase Cost	11,566	27,498	39,064
2	Less: Saving in variable cost of surplus energy from sale of surplus energy		510	510
3	Gross Power Purchase Cost after Saving in Variable Cost	11,566	26,988	38,554
4	Add: MPPMCL Cost		276	276
5	Add: Cost due to RPO		-	-
<b>6</b>	<b>Net Power Purchase Cost</b>	<b>11,566</b>	<b>27,264</b>	<b>38,830</b>
7	Inter-state Transmission Charges	3,367		3,367
8	MPPTCL Charges including SLDC Charges	6,356		6,356
<b>9</b>	<b>Total Power Purchase Cost</b>	<b>21,289</b>	<b>27,264</b>	<b>48,553</b>

The Total Power Purchase cost excluding MPPTCL Charges is again distributed among the three Discoms according to the DBST Methodology for individual Discoms as summarized below:

### 6.9 Distribution Bulk Supply Tariff methodology for Allocation of Power Purchase Cost to Discoms

- 6.9.1 The Government of MP vide gazette notification dated 21<sup>st</sup> March 2016 had allocated all the stations to MPPMCL and in order to maintain equitable allocation of the power purchased cost among all the three Discoms, MPPMCL have allocated the costs to the three Discoms as per Distribution Bulk Supply Tariff (DBST) methodology.
- 6.9.2 With the Implementation of Distribution Bulk Supply Tariff (DBST) with effect from January 2020, the overall Power Purchase Cost of all the three Discoms is being distributed on the basis of Revenue available with Discoms for power purchase and in-proportion of their energy requirement.
- 6.9.3 The Power Purchase cost allocated to Discoms based on DBST methodology for FY 2026-27 as provided in the Table below:

S. No	Particulars	Unit	FY 2026-27			
			MP	EZ	CZ	WZ
<b>A</b>	<b>Revenue from Existing Tariff</b>	<b>Rs. Cr</b>	<b>59,331</b>	<b>16,826</b>	<b>18,810</b>	<b>23,694</b>
<b>B</b>	<b>Other costs of Discoms (Expenditure other than power purchase cost)</b>	<b>Rs. Cr</b>	<b>16,821</b>	<b>5,339</b>	<b>7,339</b>	<b>4,144</b>
<b>1</b>	R&M Expense	Rs. Cr	1,320	522	488	310
<b>2</b>	Employee Expenses	Rs. Cr	3,994	1,373	1,295	1,326
<b>3</b>	A&G Expense	Rs. Cr	462	152	138	172
<b>4</b>	Depreciation and Related debits	Rs. Cr	1,191	449	398	345
<b>5</b>	Interest & Finance Charges	Rs. Cr	1,444	503	649	292
<b>6</b>	Other Debits, Write-offs (Prior period and bad debts)	Rs. Cr	526	169	280	77
<b>7</b>	RoE	Rs. Cr	862	313	351	199
<b>8</b>	Less: Other income	Rs. Cr	793	354	138	300
<b>9</b>	Impact of True ups	Rs. Cr	7,815	2,212	3,879	1,724
<b>C</b>	<b>Intra- state transmission Charges including SLDC Charges</b>	<b>Rs. Cr</b>	<b>6,356</b>	<b>2,182</b>	<b>2,102</b>	<b>2,072</b>
<b>D</b>	<b>Aggregated Amount available with Discoms for Power purchase (A-B-C)</b>	<b>Rs. Cr</b>	<b>36,153</b>	<b>9,305</b>	<b>9,370</b>	<b>17,478</b>
<b>E</b>	<b>Total Power Purchase Cost</b>	<b>Rs. Cr</b>	<b>42,197</b>			

S. No	Particulars	Unit	FY 2026-27			
			MP	EZ	CZ	WZ
<b>F</b>	<b>Surplus/Gap (E-D)</b>	<b>Rs. Cr</b>	<b>6,044</b>			
<b>G</b>	Ex-Bus Energy Requirement	MU	101,098	28,805	32,646	39,647
<b>H</b>	Ex-Bus Energy Requirement	%	100%	28%	32%	39%
<b>I</b>	<b>Allocation of surplus/Gap as per the Energy Requirement</b>	<b>Rs. Cr</b>	<b>6,044</b>	<b>1,714</b>	<b>1,916</b>	<b>2,414</b>
<b>J</b>	<b>Power Purchase Cost for Discom (D+I)</b>	<b>Rs. Cr</b>	<b>42,197</b>	<b>11,019</b>	<b>11,286</b>	<b>19,892</b>
<b>K</b>	<b>Bulk Supply Tariff</b>	<b>Rs./kWh</b>	<b>4.17</b>	<b>3.83</b>	<b>3.46</b>	<b>5.02</b>

**6.10 Estimation of Other Costs associated to Power Purchase****Inter State Transmission Charges**

6.10.1 The Inter-State transmission charges to be paid by MP consist of charges to be paid for Western, Eastern & Northern Regions transmission systems. For the purpose of estimation of Inter State Transmission Charges, the Petitioners have considered the escalation of 4% over the actual Inter State Transmission Charges being paid during FY 2024-25 as summarised in the Table below:

**Table 100: Inter State Transmission Charges (Rs Crores)**

Sr. no	Particulars	FY 23	FY 24	FY 25	FY 26	FY 27
1	East Discom	805.75	841.06	937.43	974.93	1,013.93
2	Central Discom	968.65	1,022.93	1,080.75	1,138.70	1,168.94
3	West Discom	1,276.58	1,132.47	1,094.91	1,123.98	1,184.25
4	<b>MP State</b>	<b>3,050.98</b>	<b>2,996.47</b>	<b>3,113.09</b>	<b>3,237.61</b>	<b>3,367.11</b>

6.10.2 These Inter-state transmission charges have been allocated to Discoms based on energy allocation from Central Generating Stations and as per Ex-bus Energy requirement.

**Intra-State Transmission Charges including SLDC Charges and Cash Outflow for Terminal Benefits**

6.10.3 The Petitioners have considered SLDC Charges for FY 2026-27 based on 4% increment for each year over the actual charges for FY 2024-25.

6.10.4 Similarly, the Petitioners have considered Intra-Transmission Charges for FY 2026-27 with 4% escalation over the actual charges of FY 2024-25 as summarized in the Table below:

**Table 101: Intra State Transmission Charges including SLDC charges for FY 2026-27 (Rs Crores)**

S.No	Transmission Charges	FY 23 (Actuals)	FY 24 (Actuals)	FY 25 (Actuals)	FY 26 (Proj.)	FY 27 (Proj.)
1	East Discom	1,558.97	1,364.50	2,012.29	2,092.78	2,176.49
2	Central Discom	1,575.62	1,807.41	1,936.84	1,985.95	2,094.89
3	West Discom	1,574.43	1,956.38	1,909.57	2,014.31	2,065.39
4	<b>MP State</b>	<b>4,709.01</b>	<b>5,128.29</b>	<b>5,858.70</b>	<b>6,093.04</b>	<b>6,336.77</b>
S.No	SLDC Charges	FY 23 (Actuals)	FY 24 (Actuals)	FY 25 (Actuals)	FY 26 (Proj.)	FY 27 (Proj.)
1	East Discom	1.36	6.15	5.40	5.62	5.84
2	Central Discom	4.43	5.35	6.30	6.72	6.81
3	West Discom	2.99	5.49	6.47	6.55	6.99
4	<b>MP State</b>	<b>8.78</b>	<b>16.99</b>	<b>18.17</b>	<b>18.89</b>	<b>19.65</b>
Sr.no	Transmission Charges including SLDC Charges	FY 23 (Actuals)	FY 24 (Actuals)	FY 25 (Actuals)	FY 26 (Proj.)	FY 27 (Proj.)
1	East Discom	1,560.33	1,370.65	2,017.69	2,098.40	2,182.33
2	Central Discom	1,580.04	1,812.76	1,943.14	1,992.67	2,101.70
3	West Discom	1,577.42	1,961.87	1,916.03	2,020.87	2,072.38
4	<b>MP State</b>	<b>4,717.79</b>	<b>5,145.28</b>	<b>5,876.86</b>	<b>6,111.94</b>	<b>6,356.42</b>

6.10.5 The Intra-State Transmission charges have been allocated to Discoms based on Ex-bus energy requirement.

## 6.11 MPPMCL Cost

6.11.1 The MPPMCL Cost for the FY 2026-27 is as follows:

**Table 102: MPPMCL Cost Details for FY 2026-27**

S. No.	Particulars	FY 27 (Projected)
I.	Revenue from operations (including Revenue Subsidy)	
II.	Other income	170.76
III.	Income from other business allocated to Licensed business	
<b>IV</b>	<b>Total Revenue (I + II+III)</b>	<b>170.76</b>
V	<b>Expenses:</b>	
	Purchase of Power from MP Genco	
	Purchase of Power from Other Sources	300.00
	Open Access Charges	20.53
	Banking Charges	
	Bank Charges	5.49
	Depreciation and amortization expenses	7.83
	Interest & Finance Charges	-
	Repairs and Maintenance	8.56
	Employee costs	67.63
	Administration and General expenses	36.31
	Net prior period credit charges	-
	Other Debits, Write-offs	-
	Other Charges	-
	<b>Total Expenses</b>	<b>446.36</b>
VI	Profit before exceptional and extraordinary items and tax (IV-V)	(275.59)
VII	Exceptional items	
<b>VIII</b>	<b>Profit before extraordinary items and tax (VI – VII)</b>	<b>(275.59)</b>

## 6.12 Total Power Purchase Cost

6.12.1 Based on the various cost components discussed above, the total power purchase cost for MP state and for each of the Discoms is indicated in the below Table:

**Table 103: Summary of total Power Purchase Cost for FY 2026-27**

<b>Power Purchase Cost FY 2026-27</b>						
<b>S. No.</b>	<b>Particulars</b>	<b>UoM</b>	<b>MP State</b>	<b>East Discom</b>	<b>Central Discom</b>	<b>West Discom</b>
<b>A</b>	<b>Ex- Bus Net Power Purchase Cost excluding Transmission Charges (Inter, Intra &amp; SLDC) etc.</b>					
i	Quantum	MUs	101,098	28,805	32,646	39,647
ii	Fixed Cost	Rs Crores	11,566	3,020	3,093	5,452
iii	Variable Cost	Rs Crores	26,988	7,048	7,218	12,722
iv	MPPMCL Cost	Rs Crores	276	72	74	130
v	Total Cost	Rs Crores	38,830	10,140	10,385	18,305
vi	Average Cost	Paisa/kWh	3.84	3.52	3.18	4.62
<b>B</b>	<b>Inter State Transmission</b>					
i	Losses	MUs	2,381	672	762	947
ii	Charges- Fixed	Rs Crores	3,367	879	901	1,587
<b>C</b>	<b>Power Purchase Cost at State Boundary</b>					
i	Quantum	MUs	98,717	28,133	31,884	38,701
ii	Fixed Cost	Rs Crores	14,933	3,900	3,994	7,039
iii	Variable Cost	Rs Crores	26,988	7,048	7,218	12,722
iv	MPPMCL Cost	Rs Crores	276	72	74	130
v	Total Cost	Rs Crores	42,197	11,019	11,286	19,892
vi	Average Cost	Paisa/kWh	4.27	3.92	3.54	5.14
<b>D</b>	<b>Intra State Transmission including SLDC</b>					
i	Losses	MUs	2,569	732	830	1006
ii	Charges- Fixed	Rs Crores	6,356	2,182	2,102	2,072
<b>E</b>	<b>Power Purchase Cost at Discom Boundary</b>					
i	Quantum	MUs	96,149	27,401	31,054	37,694
ii	Fixed Cost including Transmission Charges	Rs Crores	21,289	6,082	6,096	9,112
iii	Variable Cost	Rs Crores	26,988	7,048	7,218	12,722
iv	MPPMCL Cost	Rs Crores	276	72	74	130
v	Total Cost	Rs Crores	48,553	13,202	13,387	21,964
vi	Average Cost	Paisa/kWh	5.05	4.82	4.31	5.83

6.12.2 **The Petitioners hereby pray to the Hon'ble Commission to approve the Power Purchase Cost as shown above.**

6.12.3 Further, the Petitioners submit that as per the prevailing regulatory framework, Power Purchase Cost is classified as an uncontrollable, as it is subject to variation based on several external factors beyond the reasonable control of the Distribution Licensees. These include, but are not limited to, fluctuations in fuel prices (coal/gas), change in law, taxed & duties, changes in Railway or road Freight rates, commissioning of new

transmission infrastructure, implementation of environmental compliance measures such as Flue Gas Desulphurization (FGD), variations in the power supply-demand scenario, and weather-related conditions etc.

6.12.4 Due to the volatile nature of these parameters, it is inherently difficult to estimate power purchase costs accurately during the annual tariff determination process. In recognition of this, Section 62(4) of the Electricity Act, 2003 enables the recovery of the difference between the approved and actual power purchase costs through appropriate adjustments to the approved tariff, typically by way of a Fuel and Power Purchase Adjustment Surcharge (FPPAS). the Hon'ble Commission, vide notification dated 17th March 2023, issued the First Amendment to the Madhya Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021. The said amendment prescribes a detailed methodology for computation and levy of FPPAS and permits automatic monthly pass-through of the same without the need for prior regulatory approval, subject to annual True-up.

6.12.5 Presently, although the FPPAS is calculated on a monthly basis, the power purchase cost is approved on an annual basis. Consequently, the Petitioners are required to determine the monthly power purchase cost by evenly apportioning the annual approved cost over twelve months. The Petitioners submit that this approach fails to account for seasonal variations in power purchase costs and, therefore, does not accurately reflect the true monthly FPPAS amount recoverable from consumers. Given that FPPAS is computed monthly, it is imperative for accurate calculation that the corresponding power purchase cost also be approved on a monthly basis, capturing the impact of seasonal fluctuations. Accordingly, the Petitioners respectfully request the Hon'ble Commission to approve the power purchase cost on a month-wise basis as demonstrated in the Table below.

**Table 104: Summary of Month wise Power Purchase Cost for FY 2026-27**

No.	Particulars	UoM	FY 2026-27												Total
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
A	Fixed Charges	Rs. Crore	964	964	964	964	964	964	964	964	964	964	964	964	11,566
B	Energy Charge including additional cost of RCO compliance	Rs. Crore	2,207	2,336	2,165	2,070	1,960	1,916	2,169	2,528	2,579	2,646	2,552	2,370	27,498
B1	Supplementary cost if any														
C	MPPMCL Cost/ (Income)	Rs. Crore	23	23	23	23	23	23	23	23	23	23	23	23	276
D	Less: Saving from Sale of Surplus Power	Rs. Crore	(42)	(1)	(12)	(7)	(59)	(43)	(125)	(1)	(27)	(75)	(40)	(79)	(510)
E	<b>Power Purchase Cost</b>	Rs. Crore	3,151	3,322	3,140	3,050	2,888	2,860	3,031	3,514	3,539	3,558	3,499	3,278	38,830
F	Inter State Transmission Charges (PGCIL)	Rs. Crore	281	281	281	281	281	281	281	281	281	281	281	281	3,367
G	Intra-State Transmission	Rs. Crore	530	530	530	530	530	530	530	530	530	530	530	530	6,356

Revised ARR for FY 2026-27 and Tariff Proposal for FY 2026-27

No.	Particulars	UoM	FY 2026-27												Total
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
	Charges including SLDC Charges														
H	Net Power Purchase Cost including Transmission Charges	Rs. Crore	3,961	4,132	3,951	3,860	3,699	3,670	3,841	4,324	4,349	4,368	4,310	4,089	48,553
I	Ex-Bus Energy Requirement	MUs	7,879	8,267	7,611	7,351	7,295	7,296	8,178	9,557	9,830	10,082	9,325	8,427	101,099
J	Power Purchase Rate at Ex-Bus (J = E/I*10)	Rs/Unit	4.00	4.02	4.13	4.15	3.96	3.92	3.71	3.68	3.60	3.53	3.75	3.89	3.84
K	Input at G-T interface	MUs	7,692	8,081	7,454	7,170	7,132	7,143	7,993	9,329	9,581	9,810	9,102	8,231	98,718
L	Power Purchase Rate at State Periphery (L=(E+F)/K*10)	Rs/Unit	4.46	4.46	4.59	4.65	4.44	4.40	4.14	4.07	3.99	3.91	4.15	4.32	4.27
M	Input at T-D interface	MUs	7,493	7,880	7,267	6,980	6,941	6,945	7,791	9,091	9,327	9,552	8,864	8,018	96,149
N	Power Purchase Rate at DISCOMs Periphery (N=H/M*10)	Rs/Unit	5.29	5.24	5.44	5.53	5.33	5.28	4.93	4.76	4.66	4.57	4.86	5.10	5.05
O	Total Sales	MUs	6,110	6,330	6,650	6,256	6,159	6,161	7,504	7,472	7,551	7,779	7,870	7,603	83,444
P	Power Purchase Per Unit Sales (P=H/O*10)	Rs/Unit	6.48	6.53	5.94	6.17	6.01	5.96	5.12	5.79	5.76	5.61	5.48	5.38	5.82

**A7: INCOME/EXPENSES OF MPPMCL**

7.1 As per item No.8 (ii) of State Govt. Notification No.2260-F-3-24-2009-XIII dated 19/03/2013, to meet its own expenses, M.P. Power Management Company Limited has been supplying power to the Discoms at the tariff determined/approved by MPERC and its own expenses on actual basis in proportion to the energy drawl by respective Discoms.

7.2 MPPMCL has been operating on “No Profit and No Loss” basis. Therefore, till now at the end of each financial year, all the credits received by MPPMCL which formed the part of income of MPPMCL (shown as “other income” in Form S-1) were being passed on to the Discoms in proportion to the energy drawl by respective Discoms as a part of their Power Purchase Costs. The major components of Annual Revenue Requirement of MPPMCL are detailed in this section.

7.3 The details of these expenses are given in the Table below:

**Table 105: Projections of MPPMCL Cost from FY 2026-27(Rs Crores)**

S. No.	Particulars	FY 27 (Projected)
I.	Revenue from operations (including Revenue Subsidy)	
II.	Other income	170.76
III.	Income from other business allocated to Licensed business	
<b>IV</b>	<b>Total Revenue (I + II+III)</b>	<b>170.76</b>
V	<b>Expenses:</b>	
	Purchase of Power from MP Genco	
	Purchase of Power from Other Sources	300.00
	Open Access Charges	20.53
	Banking Charges	
	Bank Charges	5.49
	Depreciation and amortization expenses	7.83
	Interest & Finance Charges	-
	Repairs and Maintenance	8.56
	Employee costs	67.63
	Administration and General expenses	36.31
	Net prior period credit charges	-
	Other Debits, Write-offs	-
	Other Charges	-
	<b>Total Expenses</b>	<b>446.36</b>
VI	Profit before exceptional and extraordinary items and tax (IV-V)	(275.59)
VII	Exceptional items	
<b>VIII</b>	<b>Profit before extraordinary items and tax (VI – VII)</b>	<b>(275.59)</b>

## 7.4 Income of MPPMCL

### Revenue from operations (including Revenue Subsidy)

7.4.1 The revenue from operation for M.P. Power Management Company Ltd. consists of sale bills credit, which could not be passed on to the Discoms in their monthly bills. However, in FY 2024-25, sale of power to others of Rs -3.29 Crore has been taken in as the credit for the same could not be passed to the Discoms in the monthly bills. However, from FY 2025-26 it is assumed that the same would be passed to the Discoms in the regular monthly bills and thus revenue from operations has been considered as NIL for FY 2026-27.

### Other Income

7.4.2 The other income of MPPMCL includes income from:

- (a) rebate received on a/c of timely/prompt payments
- (b) Generation based incentive
- (c) Interest on Fixed deposits and commitment advances
- (d) Rent receivable, sale of tender fees etc
- (e) Income from Security Constrained Economic Dispatch

7.4.3 The Petitioner submits that during FY 2024-25, other income of MPPMCL which was passed on to Discoms was **Rs 586.64 Crore**. The details of which is as shown in the Table below:

**Table 106: Other Income during FY 2024-25 (Rs Crores)**

Particulars	Amount (in Crores)
Rebate received on account of Timely/ Prompt payments	94.66
Generation based Incentive	7.25
Interest Received (Includes interest on Commitment Advances)	1.53
Compensation received	40.83
Credit received on account of TGNA, MTOA, STOA and URS	391.67
Other Income	50.70
<b>TOTAL</b>	<b>586.64</b>

7.4.4 The credit on account of TGNA/STOA/MTOA/URS in FY 2024-25 was Rs 391.67 Crore. It is assumed that from FY 2025-26 this component shall be passed to Discoms in the monthly Discom bill and hence the same is excluded for calculating other income for FY 2025-26. Also, a one-time compensation amount of Rs. 40.83 Crore has also been received thus the same is excluded for calculating other income for FY 2025-26. For the purpose of projections of other income for FY 2026-27, the Petitioner has taken an escalation rate based on the 30% and 70% weightage to average yearly WPI and the average yearly CPI of the past five years. The escalation rate of 5.53% has been applied on other income of FY 2024-25 (excluding above mentioned to credit on account of

TGNA/STOA/MTOA/URS and one time compensation) to arrive the projected income for FY 2025-26, and further the escalation rate of 4.98% has been applied on the calculated other income of FY 2025-26 to arrive the projected income for FY 2026-27.

## 7.5 Expenses of MPPMCL

7.5.1 In the ARR of DISCOMs, the station-wise power purchase cost and DISCOM's own O&M Expenses, Depreciation, Interest Charges etc. have been considered as per the provisions of MPERC Regulations. However, there are certain costs pertaining to power purchase (as detailed below) which could not be considered by the Discoms being not in their control/action. Such costs are therefore included additionally under power purchase costs of Discoms as MPPMCL specific costs and are taken into consideration in the ARR of MPPMCL, the details of which are given in the subsequent paras.

## 7.6 Power Purchase from other sources

7.6.1 Beginning from the year 2007-08, MPPMCL has started the practice of exchange/banking of energy with third party outside the State of Madhya Pradesh whereby during availability of surplus power in the state, energy is supplied to the parties facing shortage of power and in case of power deficit in the state the banked energy is taken by the Company. The Banking and Exchange transactions do not involve any payment or receipts in terms of money for the power transacted except the charges related to open access and trading margin payable to the party through which such transaction is facilitated. Energy banking is a barter system, wherein units of energy are exchanged without any financial transaction between the partners in banking arrangement, although some operational expenses like trading margin, open access charges, RLDC/SLDC permission charges etc. are incurred. The charges towards "banking of energy" reflect the notional cost of the net liability of energy to be returned in the subsequent year and it is based on average power purchase cost of the financial year concerned.

7.6.2 The Company has to receive 91.87 MU of banked energy, imported during FY 2024-25, which translates into a financial liability of about Rs. 38.56 Crore considering cost per unit of Rs. 4.20/kWh, i.e., the average power purchase rate for 2024-25. The average purchase cost has been used for the sole purpose of passing the reasonable cost of units exported through banking and credit/debit for the equivalent amount will be provided to the DISCOMs in the following year when banked units would be received back.

7.6.3 For FY 26-27, the liability for banking of energy is calculated as follows:

**Table 107: Details of Liability for Banking of Energy for FY 2026-27**

Particular	Values
Mus to be returned at the end of FY 2024-25 =	(91.87)
Mus to be returned at the end of FY 2025-26 (increasing the units of FY 2024-25 by 10%) =	(101.06)
Average purchase cost for F.Y. 24-25 =	4.20

Particular	Values
Average purchase cost for F.Y. 25-26 (Increasing the rate of FY 2024-25 by 6%) =	4.45
Total amount of Banking liability for FY 25-26	(44.96)
Debit for 91.87 Mus billed to Discoms in 2024-25 @ 4.20 Rs/unit	38.56
Net liability to be passed to Discoms for FY 25-26	(6.40)
For FY 26-27 (Increasing cost for FY 25-26 by 6%)	(7.04)

7.6.4 From above, the net liability to be passed on to Discoms for FY 2026-27 works out to be Rs. -7.04 Crore. However, it is observed that the Hon'ble Commission in the past tariff Orders has not considered the cost towards banking. The rationale given by the Hon'ble Commission from the Tariff Order of FY 2025-26 is as reproduced below:

*“2.99 The Commission has observed that MPPMCL has been doing exchange/banking of energy with third parties outside Madhya Pradesh whereby during the availability of surplus power in the State, electricity is supplied to the parties having requirement of power and during the period of power deficit in the State, the banked electricity is taken back by the Company. It is also observed that MPPMCL has not been able to return the full quantum of power drawn from banked energy in the same financial year and therefore, has been owing liability in financial terms against the banking. The Commission is of the opinion that such transactions do not involve any expense except for Open Access charges. As per the directions in previous Tariff Orders, these expenses are required to be booked under the head of power purchase of respective DISCOMs. Therefore, the Commission has not admitted such power purchase expense under MPPMCL cost.”*

7.6.5 In view of the above, the Petitioners have not included any cost towards banking of energy for FY 2026-27.

7.6.6 MPPMCL is responsible for purchasing the power to fulfil the energy requirement of the three Discoms. The power purchase expense so incurred by MPPMCL are passed on to the Discoms on monthly basis. However, sometimes due to delay in receiving of bills from generators, some of the power purchase expenses remains unpassed to the Discoms through monthly bills. Accordingly, for FY 2026-27 the Petitioners have considered approx. Rs. 300 Crore in this regard.

## 7.7 Inter State Transmission Charges:

7.7.1 Apart from the direct bill of power purchase as per REA/SEA and other heads under energy purchase, some other expenses like open access charges etc. on banking and short-term power purchase & sale are being incurred by MPPMCL. During FY 2024-25, the Open Access charges incurred for banking of Power was Rs.18.46 Crore. Further, the transmission charges for FY 2026-27 are estimated by escalating the actual expenses of FY 2024-25 with escalation rate based on the 30% and 70% weightage to average yearly WPI and the average yearly CPI of the past five years. The escalation rate of 5.53% has been applied on transmission charges of FY 2024-25 to arrive the

projected transmission charges for FY 2025-26, and further the escalation rate of 4.98% has been applied on the calculated transmission charges of FY 2025-26 to arrive the projected transmission charges for FY 2026-27.

## 7.8 Depreciation:

7.1.1 Depreciation for FY 2026-27 is calculated as under:

**Table 108: Details of Depreciation for MPPMCL**

Fixed assets	FY23	FY24	FY25	FY 26	FY 27
(i) Tangible assets					
Gross Block	114.86	126.78	127.24	133.21	135.21
Depreciation*	1.95	2.06	2.25	2.85	3.05
(ii) Intangible assets					
Gross Block	46.73	53.03	55.52	56.13	56.13
Depreciation**	6.14	7.43	4.72	4.78	4.78
<b>Total Depreciation (i + ii)</b>	<b>8.09</b>	<b>9.48</b>	<b>6.97</b>	<b>7.63</b>	<b>7.83</b>
*In case of tangible assets, there is assumed to be an addition of Rs. 2 crs. Depreciable @ 10% approx from FY 2025-26 and onwards. Further, CWIP of CY is capitalised in FY 2025-26.					
**In case of intangible assets, no addition is assumed from FY 26-27 and onwards. Intangible Assets under development as on 31st March 2025 are capitalised in FY 2026-27.					

## 7.9 Interest and Finance charges for power procurement:

7.1.2 The Interest & Finance charges include interest paid to suppliers on account of instalments facility, interest due to tariff revision, Bank charges, Guarantee Charges, commitment charges., Stamp duty, processing charges etc.

7.1.3 Further, as per the existing power purchase agreements, facility of Letter of Credit is to be provided to power suppliers. The cost towards extending this facility of LC and other bank charges is also covered under item "Interest & finance charges".

7.1.4 The interest and finance charges for FY 2024-25 was Rs. 167.89 Crore. However, it was observed from the past tariff Orders that the Hon'ble Commission does not consider finance cost, i.e., interest towards loan availed by MPPMCL. Therefore, the Petitioners have not considered interest on loan and working capital for FY 2026-27.

## 7.10 Repairs and Maintenance:

7.1.5 The R&M expenses for FY 2024-25 are Rs. 7.70 crores. These expenses for FY 2025-26 have been projected by escalating the FY 2024-25 expenses using a weighted escalation rate based on 30% weightage to the average yearly WPI and 70% weightage to the average yearly CPI of the past five years. An escalation rate of 5.53% has been applied to the R&M expenses of FY 2024-25 to arrive at the projected R&M expenses for FY 2025-26. Subsequently, an escalation rate of 4.98% has been applied to the projected R&M expenses for FY 2025-26 to determine the projected R&M expenses for FY 2026-27.

### **7.11 Employee expenses:**

7.1.6 The employee costs for FY 2024-25 are Rs. 58.57 crores. For FY 2025-26, the employee expenses are estimated by increasing the FY 2024-25 expenses by 10% per annum. The employee expenses for FY 2026-27 have been projected by escalating the FY 2025-26 expenses using a weighted escalation rate based on 30% weightage to the average yearly WPI and 70% weightage to the average yearly CPI of the past five years. An escalation rate of 4.98% has been applied to the FY 2025-26 employee expenses to arrive at the projected employee expenses for FY 2026-27.

### **7.12 Administration and General Expenses:**

7.1.7 FY 2024-25, Administration & general expenses consist of consultancy fees, legal charges, bank charges, Rates and Taxes, printing & stationary, etc.

7.12.1 The total Administration and General expenses for FY 2024-25 amounts to Rs 269.82 Crore which also includes surcharge on delayed payment amounting to Rs. 237.17 Crore. The Petitioners have excluded the aforesaid amount incurred towards surcharge on delayed payment and the remaining amount towards A&G expenses, i.e., Rs. 32.65 Crore is considered towards projection of A&G expenses. Further, the A&G expenses for FY 2025-26 are projected by escalating the aforementioned amount using a weighted escalation rate based on 30% weightage to the average yearly WPI and 70% weightage to the average yearly CPI of the past five years. An escalation rate of 5.53% has been applied to arrive at the projected A&G expenses for FY 2025-26. Subsequently, an escalation rate of 4.98% has been applied to the projected A&G expenses for FY 2025-26 to determine the projected A&G expenses for FY 2026-27.

### **7.13 Bank Charges**

7.13.1 The Petitioners have also considered other finance charges such as Bank Charges, Commitment Charges, Guarantee/LC Charges, etc., based on the actual expenditure incurred over the previous financial years as per audited accounts. The total Bank Charges for FY 2024-25 amount to Rs. 4.94 crores. These charges for FY 2025-26 have been projected by escalating the Bank Charges of FY 2024-25 using a weighted escalation rate based on 30% weightage to the average yearly WPI and 70% weightage to the average yearly CPI of the past five years. An escalation rate of 5.53% has been applied to the Bank Charges of FY 2024-25 to arrive at the projected Bank Charges for FY 2025-26. Subsequently, an escalation rate of 4.98% has been applied to the projected Bank Charges for FY 2025-26 to determine the projected Bank Charges for FY 2026-27.

7.13.2 **The Petitioner hereby prays to the Hon'ble Commission to approve MPPMCL cost as summarized above.**

## **A8: O&M EXPENSES - DISCOMS**

8.1 The O&M expenses comprise of Employee expenses, Administrative and General Expenses (A&G), and Repairs and Maintenance (R&M) expenses. Regulation 36 of the MPERC (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021 provides stipulation for calculation of O&M expenses for the Control Period. The relevant extract of the said Regulations is as reproduced below:

*36.2. The Employee expenses and Administrative and General expenses shall be derived on the basis of the average of the actual expenses for the period from FY 2018-19 to FY 2020-21, excluding abnormal expenses, if any, subject to prudence check by the Commission:*

*Provided that the average of such expenses shall be considered as expenses for the Year ended 31 March, 2020, and shall be escalated at the respective escalation rate for FY 2020-21 and FY 2021-22, to arrive at the expenses for the base year ending 31 March, 2022:*

*Provided further that the escalation rate for FY 2020-21 and FY 2021-22 shall be computed by considering 30% weightage to the average yearly inflation derived based on the monthly Wholesale Price Index of the respective past five financial years as per the Office of Economic Advisor of Government of India and 70% weightage to the average yearly inflation derived based on the monthly Consumer Price Index for Industrial Workers (all-India) of the respective past five financial years as per the Labour Bureau, Government of India.*

*36.3. The Employee expenses and Administrative and General expenses for each subsequent year shall be determined by escalating these Base Year expenses of FY 2021-22 by an inflation factor with 30% weightage to the average yearly inflation derived based on the monthly Wholesale Price Index of the respective past five financial years as per the Office of Economic Advisor of Government of India and 70% weightage to the average yearly inflation derived based on the monthly Consumer Price Index for Industrial Workers (all-India) of the past five financial years as per the Labour Bureau, Government of India, to arrive at the permissible expenses for each year of the Control Period.*

*36.4. The R&M Expenses shall be allowed on the opening GFA of the financial year @ 2.3% for East Discom, @ 2.3% for West Discom, @ 2.3% for Central Discom, and @ 5% for SEZ Pithampur.*

8.2 Based on the above provision, the Hon'ble Commission has approved O&M expenses for the entire Control Period, i.e., from FY 2022-23 to FY 2026-27 in its MYT Order dated 31<sup>st</sup> March 2022. The summary of O&M expenses approved for FY 2026-27 is as provided in the Table below:

Table 109: O&amp;M Expenses approved for FY 2026-27 in MYT Order

<i>Particulars</i>	<i>East Discom</i>	<i>Central Discom</i>	<i>West Discom</i>
<i>Opening GFA</i>	21,611.02	21,839.45	16,814.37
<b><i>Repair and Maintenance Expenses @ 2.30%</i></b>	<b>497.05</b>	<b>502.31</b>	<b>386.73</b>
<i>Basic Salary</i>	1,015.53	893.74	981.68
<i>Dearness Allowance</i>	589.01	518.37	569.38
<i>Terminal Benefits</i>	64.17	77.32	68.39
<b><i>Employee Expenses</i></b>	<b>1,668.70</b>	<b>1,489.43</b>	<b>1,619.45</b>
<b><i>Administrative and General Expenses</i></b>	<b>233.64</b>	321.89	162.29
<i>Other Expenses (Rates &amp; Taxes...etc.)</i>	2.35	1.52	11.55
<i>MPERC fees</i>	0.64	0.73	0.87
<i>Provision for Terminal Benefit Trust Fund</i>	70.00	70.00	70.00
<i>O&amp;M Expenses Capitalized</i>	(59.79)	(47.27)	(50.12)
<i>Additional Operational Expenditure (RRDS)</i>	253.78	198.49	198.49
<b><i>Total O&amp;M Expenses</i></b>	<b>2,666.37</b>	<b>2,537.10</b>	<b>2,399.26</b>

- 8.3 The Petitioners submit that the MYT approved expenses for FY 2026-27 were based on the Audited expenses of past financial years, i.e., from FY 2018-19 to FY 2020-21. Further, as per Regulation 36.2 the base year considered was FY 2021-22 and the expenses of FY 2026-27 were approved by escalating the base year expenses with an escalation rate of 4.24%. Further, such an escalation rate of 4.24% was based on the average yearly inflation of past five financial years, i.e., from FY 2016-17 to FY 2020-21.
- 8.4 The Petitioners hereby wish to submit that now the Audited expenses of FY 2024-25 are available with the Petitioners. Further, the escalation rate, i.e., WPI & CPI index are also available as on date. Hence, in order to have realistic projection capturing the true inflation, it is necessary that the actual expenses being incurred by the Licensees till FY 2024-25 are taken into account. Otherwise, the actual expenses of FY 2026-27 at the time of True-up of FY 2026-27 would substantially differ than the approved norms. Therefore, there is need to revise the base year and rework the expenditure for FY 2026-27.
- 8.5 Further, Regulation 7.2 of the Tariff Regulations, 2021 mandate the Discoms to file a revised ARR for FY 2026-27. Accordingly, the Petitioners have reworked the O&M expenses for FY 2026-27 by shifting the base year and other concerned years as specified in Regulation 36 of the Tariff Regulations, 2021. The other methodology as specified in aforesaid Regulations were kept the same. Accordingly, it is requested before the Hon'ble Commission to approve the revised O&M expenses as projected by the Licensees.

## 8.6 Revision in Base Year and other Concerned Years

- 8.6.1 As mentioned in paras above, the revised base year has been considered as the year ending 31<sup>st</sup> March 2024 instead of the year ending 31<sup>st</sup> March 2022 as specified in Regulation 36.2 of Tariff Regulations, 2021. The normative Employee expenses and A&G expenses for the base year has been arrived based on the Audited Expenses of past three financial years, i.e., from FY 2022-23 to FY 2024-25 excluding abnormal expenses, if any. The average of past three years' audited expenses has been calculated which is considered as normative Employee expenses and A&G expenses for the year

ended on 31<sup>st</sup> March 2024, which in turn is escalated with revised escalation rate to arrive at the normative expenses for the base year ending 31<sup>st</sup> March 2025. The base year expenses so calculated are then escalated to arrive at normative Employee expenses and A&G expenses for FY 2026-27.

## 8.7 Revision in Escalation Rate

- 8.7.1 Petitioners wish to submit that the escalation rate for projections has been considered in line with the methodology specified by the Hon'ble Commission in the Regulations. Petitioners have considered WPI series (Base Year: 2011-12) for the relevant period as released by the Office of the Economic Adviser of Government of India. The CPI for Industrial Workers (all-India) for the relevant period has been considered as per the Labour Bureau, Government of India. Petitioners further wishes to submit that Labour Bureau, Government of India has revised the CPI-IW series from base year 2001=100 to 2016=100. In the new CPI-IW series base 2016=100, the number of centres covered has been increased from 78 to 88. The number of markets has also been enhanced from 289 to 317. The coverage of workers has also been increased from 41040 to 48384. The new CPI-IW series data is available from September 2020 onwards and the old series has been discontinued, hence, no data is available for old series from September 2020 onwards. Due to aforesaid changes, the new CPI-IW index numbers are not comparable with previous CPI-IW series base 2001=100. Therefore, considering the new series data for part of the year, particularly for FY 2020-21 and complete from FY 2021-22 onwards shall not reflect the actual inflation during the respective year as compared to previous year.
- 8.7.2 Since, the Regulations stipulate to consider average yearly inflation of past 5 years, it is necessary to derive the old series CPI-IW data for the remaining period of FY 2020-21, i.e., from September 2020 to March 2021 and also for FY 2021-22 & FY 2022-23. For doing so, the Petitioners have considered a multiplication factor of 2.88, which has been provided by the Labour Bureau, Government of India in its report on "*New Series of Consumer Price Index for Industrial Workers (CPI-IW) (Base 2016=100)*" dated 21 October 2020. Hence, based on above, in order to calculate the yearly inflation of FY 2020-21, the Petitioners have considered CPI-IW series base 2001=100 data up to August 2020, thereafter, Petitioners have derived the CPI-IW index data by multiplying the respective months' new series CPI-IW index numbers by 2.88. Similar, methodology was adopted for calculating the yearly inflation during the previous ARR proceedings.
- 8.7.3 Further, the escalation rate to be considered for calculating the normative expenses of FY 2024-25 has been derived as 5.53% which is based on the average yearly inflation of past five years, i.e, from FY 2018-19 to FY 2022-23 with 30% and 70% weightage to WPI and CPI, respectively. The revised escalation rate for FY 2025-26 has been calculated as 4.98%, based on the average yearly WPI of the past five years and the average yearly CPI of the past five years, as shown in the following Table:

**Table 110: Escalation Rate for FY 2024-25 & FY 2025-26 (%)**

Year	Yearly WPI	WPI Inflation	Yearly CPI	CPI Inflation
FY 2019-20	121.80	1.68%	322.50	7.53%
FY 2020-21	123.38	1.29%	338.69	5.02%
FY 2021-22	139.41	13.00%	356.06	5.13%
FY 2022-23	152.53	9.41%	377.62	6.05%
FY 2023-24	151.42	-0.73%	397.20	5.19%
FY 2024-25	154.86	2.27%	410.64	3.38%
Average from FY20 to FY24		4.93%		5.78%
Average from FY21 to FY25		5.05%		4.95%
Weightage		30%		70%
<b>Escalation rate for FY 2024-25 (4.93%*30%+5.78%*70%)</b>				<b>5.53%</b>
<b>Escalation rate for FY 2025-26 (5.05%*30%+4.95%*70%)</b>				<b>4.98%</b>

## 8.8 Employee Cost

8.8.1 Petitioners' wishes to submit that various head under Employee cost have been escalated based on the aforementioned escalation rate except for Dearness Allowances (D.A.), HRA expenses and other allowances. Further, it is to be noted that Petitioners have not considered any provisions made towards Terminal Benefit during the past three Audited years in their normative Employee expenses calculations for ensuing years. However, they have considered Rs. 70 Crore each as a provision towards Terminal Benefit Trust fund in line with the Hon'ble Commission's past Orders. As regard to D.A., which is linked to basic salary of Employees, Petitioners have considered latest available actual rate for FY 2024-25 in line with the order and circular issued by the Finance Department, Government of Madhya Pradesh. From FY 2024-25 onwards, Petitioners have considered marginal quarterly addition of 3% over previous quarters, D.A. rate as shown in the Table below:

**Table 111: Dearness Allowance Considered (%)**

Particulars (As per 7th Pay)	FY 27
DA as percentage of Basic for first quarter - Apr to June	61%
DA as percentage of Basic for 2nd and 3rd quarter - July to Dec	64%
DA as percentage of Basic for 4th quarter - Jan to March	67%

8.8.2 Further, as regards to House Rent Allowance (HRA), it is submitted that with the latest HRA order dated 05.05.2025, there has been substantial revisions in the existing HRA allowances. Therefore, the Petitioners have restrained from projecting the HRA based on WPI/CPI inflation rather they have considered appropriate escalation rate to reflect the revisions made in HRA allowance.

8.8.3 Similarly, in accordance with the latest order on fringe benefits dated 11.11.2025, the Petitioners have considered appropriate escalation for the projections of "other allowances" to reflect the recent revisions made in this regard.

8.8.4 Based on the above, the Employee and A&G expense for the ensuing year as shown in the Table below:

**Table 112: Discom-wise Revised Employee Expenses claimed for FY 2026-27 (Rs. Crores)**

Sr. No	Particular	East Discom		Central Discom		West Discom	
		Approved in MYT Order	Revised Claim	Approved in MYT Order	Revised Claim	Approved in MYT Order	Revised Claim
<b>1</b>	<b>Employee Expenses</b>						
1	Basic Salaries	1,015.53	952.56	893.74	877.30	981.68	873.70
2	DA	589.01	277.13	518.37	269.80	569.38	228.18
3	Terminal Benefit & Other Allowance (Earned leave Encashment, Staff welfare Expenses etc.)	64.17	106.34	77.32	96.84	68.39	176.24
4	Less: Expenses Capitalized	59.79	32.59	47.27	18.96	50.12	22.16
5	Provision for Terminal Benefit Trust Fund	70.00	70.00	70.00	70.00	70.00	70.00
	<b>Total Employee Expenses</b>	<b>1,678.92</b>	<b>1,373.44</b>	<b>1,512.16</b>	<b>1,294.98</b>	<b>1,639.33</b>	<b>1,325.96</b>

**Table 113: Revised Employee Expenses claimed for MP-State for FY 2026-27 (Rs. Crores)**

Sr. No	Particular	Approved in MYT Order	Revised Claim	Variation
<b>1</b>	<b>Employee Expenses</b>			
1	Basic Salaries	2,890.95	2,703.55	187.40
2	DA	1,676.76	775.11	901.65
3	Terminal Benefit & Other Allowance (Earned leave Encashment, Staff welfare Expenses etc.)	209.88	379.43	(169.55)
4	Less: Expenses Capitalized	157.18	73.71	83.47
5	Provision for Terminal Benefit Trust Fund	210.00	210.00	0.00
6	<b>Total Employee Expenses</b>	<b>4,830.41</b>	<b>3,994.38</b>	836.03

8.8.5 Petitioners hereby submit that any variation against the normative Employee expenses as worked out above and actual expenses for the respective period shall be claimed at the time of final True-up.

## 8.9 Administrative & General Expenses

8.9.1 Petitioners submit that they have projected A&G expenses in line with the MPERC (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021. However, as mentioned in Para 8.5 the base year and concerned year has been shifted by two year for the purpose of calculations. Further, for MPERC fees under A&G expenses, the Petitioners have projected the same considering Rs. 500 for each one Million Units of energy input into the distribution system in line with the “Madhya Pradesh Electricity Regulatory Commission (Fees, fines and charges (revision-ii) regulations, 2024 [RG-21 (II) of 2024] dated 27 June 2024. The Discom-wise summary of A&G expenses for next control period is as shown in the Table below:

**Table 114: Discom-wise Revised A&G Expenses claimed for FY 2026-27 (Rs. Crores)**

Sr. No	Particulars	East Discom		Central Discom		West Discom	
		Approved in MYT Order	Revised Claim	Approved in MYT Order	Revised Claim	Approved in MYT Order	Revised Claim
	<b>A&amp;G Expenses</b>						
1	A&G Expenses	233.64	146.98	321.89	130.99	162.29	167.19
2	Rates & Taxes	2.35	3.87	1.52	5.53	11.55	2.70
3	MPERC Fee	0.64	1.37	0.73	1.55	0.87	1.88
<b>4</b>	<b>Total A&amp;G Expenses</b>	<b>236.63</b>	<b>152.22</b>	<b>324.14</b>	<b>138.07</b>	<b>174.71</b>	<b>171.78</b>

**Table 115: Revised A&G Expenses claimed for MP-State for FY 2026-27 (Rs. Crores)**

Sr. No	Particular	Approved in MYT Order	Revised Claim
	<b>A&amp;G Expenses</b>		
1	A&G Expenses	717.82	445.16
2	Rates & Taxes	15.42	12.10
3	MPERC Fee	2.24	4.81
<b>4</b>	<b>Total A&amp;G Expenses</b>	<b>735.48</b>	<b>462.07</b>

## 8.10 Repair and Maintenance Expenses

8.10.1 As regards to estimation of R&M expenses, Petitioners submits that the same is linked to opening Gross Block Assets (GFA) of the year as per Regulation 36.4 of Tariff Regulations, 2021. Since there is a revision in capitalization and hence opening GFA for the concerned year, therefore, the Petitioner have projected the revised R&M expenses for FY 2026-27 as summarized in the Table below:

**Table 116: Discom-wise Revised R&M Expenses for FY 2026-27 (Rs. Crores)**

Sr. no	Particular	East Discom		Central Discom		West Discom	
		Approved in MYT Order	Revised Claim	Approved in MYT Order	Revised Claim	Approved in MYT Order	Revised Claim
<b>1</b>	<b>R&amp;M Expenses</b>						
1	Opening Gross Block	21,611.02	17,195.56	21,839.45	16,487.67	16,814.37	10,367.52
2	Applicable Rate	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%
<b>3</b>	<b>Total R&amp;M</b>	<b>497.05</b>	<b>395.50</b>	<b>502.31</b>	<b>379.22</b>	<b>386.73</b>	<b>238.45</b>

**Table 117: Revised R&M Expenses claimed for MP-State for FY 2026-27 (Rs. Crores)**

Sr. No	Particular	Approved in MYT Order	Revised Claim
	<b>R&amp;M Expenses</b>		
1	Opening Gross Block	60,264.84	44050.75
2	Applicable Rate	2.30%	2.30%
<b>3</b>	<b>Total R&amp;M</b>	<b>1,386.09</b>	<b>1013.17</b>

## 8.11 Additional Operational Expenditure (OPEX) Cost:

- 8.11.1 As already mentioned at paras above that the Petitioners have taken part in Central Government's Revamped Distribution Sector Scheme: A Reforms-Based and Results-Linked Scheme. Under part A of this scheme, Prepaid Smart metering for consumers, and System metering at Feeder and Distribution Transformer level with communicating feature along with associated Advanced Metering Infrastructure (AMI) will be done in TOTEX mode (CAPEX + OPEX) through PPP, to facilitate reduction of Distribution losses and enable automatic measurement of energy flows and energy accounting as well as auditing. For prepaid smart metering under the scheme, 15% of the total cost will be provided by the Government of India and an additional incentive of 7.5% will be provided for prepaid smart metering within the target time frame of the first phase, i.e., December 2023. The expenditure on billing module, data management, data analysis and other works will be funded 100% by the Government of India.
- 8.11.2 As per the guidelines issued by Ministry of Power, Government of India for Revamped Schemes, the funding shall be available to Discoms if the scheme is being implemented in TOTEX mode. Accordingly, Discoms have planned to implement the smart meterization through PPP in TOTEX mode. Under this, only partial capex will be paid upfront by Discoms, and balance shall be paid through annuity during next 10 years period of operations under OPEX.
- 8.11.3 Discoms have estimated the TOTEX requirement for meterisation part of the scheme. Out of the total outlay as estimated by the Petitioners for the said scheme, the CAPEX portion was considered as lease charges and the remaining portion, i.e., OPEX portion of the total outlay for meterisation was claimed under O&M expenses on equated yearly instalment over the operation period of 10 years.
- 8.11.4 It is submitted that the Hon'ble Commission in its MYT Order has approved Additional OPEX for the Petitioners for each year of the Control Period which is over and above the normative O&M expenses. However, due to uncontrollable situation, the smart metering plan has been deferred. Since, the Petitioners have projected revision in CAPEX particularly for Smart Metering during FY 2026-27, there is a revision in OPEX part too. Accordingly, the Petitioners have re-estimated the OPEX portion for FY 2026-27 as provided in the Table below:

**Table 118: Addl. OPEX cost for Discoms for FY 2026-27 (Rs. Crores)**

S. No.	Particular	East Discom	Central Discom	West Discom	MP-State
1	Additional OPEX Expenses	126	109	72	<b>307</b>

- 8.11.5 The Petitioners further submit that the estimation of the TOTEX and hence, OPEX cost claimed by Petitioner is based on the estimation and selection of vendor, award of contract and other factors. Such expense being specific in nature shall be subjected to True-up for respective years. Further, the aforesaid expenses shall be over and above normative O&M expense of respective year.

## 8.12 Gist of Total Revised O&M Expenses

8.12.1 Based on the above, Discom-wise and MP State level total O&M expenses for FY 2026-27 is as shown in the Table below:

**Table 119: Discom-wise Revised O&M Expenses for FY 2026-27 (Rs. Crores)**

Sr. No	Particular	East Discom		Central Discom		West Discom	
		Approved in MYT Order	Revised Claim	Approved in MYT Order	Revised Claim	Approved in MYT Order	Revised Claim
<b>1</b>	<b>O&amp;M Expenses</b>						
1	Employee Expenses	1,678.92	1,373.44	1,512.16	1,294.98	1,639.33	1,325.96
2	A&G Expenses	236.63	152.21	324.14	138.07	174.71	171.78
3	R&M Expenses	497.05	395.50	502.31	379.22	386.73	238.45
4	Additional OPEX Expenses	253.78	126.39	198.49	108.82	198.49	71.87
<b>5</b>	<b>Total O&amp;M Expenses</b>	<b>2,666.38</b>	<b>2,047.54</b>	<b>2,537.10</b>	<b>1,921.08</b>	<b>2,399.26</b>	<b>1,808.06</b>

**Table 120: Revised O&M Expenses at State Level for FY 2026-27 (Rs. Crores)**

Sr. No	Particular	MP State	
		Approved in MYT Order	Revised Claim
<b>1</b>	<b>O&amp;M Expenses</b>		
1	Employee Expenses	4,830.41	3,994.38
2	A&G Expenses	735.48	462.06
3	R&M Expenses	1,386.09	1,013.17
4	Additional OPEX Expenses	650.76	307.08
<b>5</b>	<b>Total O&amp;M Expenses</b>	<b>7,602.74</b>	<b>5,776.68</b>

8.12.2 **The Petitioner hereby requests the Hon'ble Commission to approve the revised O&M expenses as shown above. Any variation shall be claimed at the time of final True-up of respective years.**

## **A9: INVESTMENT PLAN – DISCOMS**

### **9.1 Capital Investment Plan**

- 9.1.1 For strengthening of the system and reduction of Distribution losses, all the three Discom's of the State are undertaking various projects in the forthcoming years. The focus is on creation of new 33/11 kV S/s, bifurcation of overloaded 33 kV feeders, feeder bifurcation of agricultural feeder at 11 kV level, Addl. / Aug of PTRs, Installation of DTRs, conversion of bare LT line into AB Cables and replacement of service lines etc.
- 9.1.2 The overall distribution loss of the system is a mix of Technical and Commercial losses. Technical losses are mainly due comparatively inadequate infrastructure as per the system demand which needs strengthening, renovation and up-gradation of the capacity of lines, Sub-stations and associated infrastructures. Whereas the commercial losses are mainly due to commercial parameters like theft & pilferage of energy, presence of prominent nos. of stop & defective meters in the system, inadequate meter reading system etc. which can also be reduced to a large extent by re-engineering of the system which requires capital investment and directed efforts. Discoms are working on both the issues regularly, which have resulted in reduction in Distribution losses considerably over the past years, but these reductions are not up to the normative loss levels which are more stringent at this level.
- 9.1.3 Further, with the aim to provide 24x7 uninterrupted, quality, reliable and affordable power supply, Government of India has launched Revamped Distribution Sector Scheme (RDSS), on 20<sup>th</sup> July 2021 for supporting DISCOMs to undertake reforms and improve performance in a time bound manner. MP Discoms have participated in the RDSS Scheme. The Revamped Distribution Sector Scheme has the following parts:

#### **Part A – Metering & Distribution Infrastructure Works:**

- Facilitating in installing prepaid smart meters for all consumers along with associated AMI, communicable meters for DTs & Feeders, ICT including Artificial Intelligence (AI), Machine Learning (ML), etc. based solutions for power Sector and a unified billing and collection system;
- Distribution infrastructure works as required for strengthening and modernizing the system as well as measures for loss reduction. The infrastructure strengthening works will include separation of Agriculture feeders to enable implementation of the KUSUM scheme, Aerial Bunch cables and HVDS for loss reduction, replacement of HT/LT lines as required, construction of new/ upgradation of substations, SCADA and DMS system etc. Each DISCOM/ State will draw up the scheme according to its requirement with the end objective of reducing losses and ensuring 24 x 7 supply.

#### **Part B - Training & Capacity Building and other Enabling & Supporting Activities:**

- Supporting and enabling components, such as Nodal Agency fee, enabling

components of MoP (communication plan, publicity, consumer awareness, consumer survey and other associated measures such as third-party evaluation etc.), up-gradation of Smart Grid Knowledge Centre, training and capacity building, awards and recognitions etc.

9.1.4 The scheme wise summary of capital expenditure of the three Discoms are as detailed below:

**Table 121: Capital expenditure Plan for FY 2026-27 (Rs. Crores)**

Name of Scheme	East Discom	Central Discom	West Discom	MP-State
Capital store and spares	0	0	6	6
Loss Reduction (RDSS) & Modernization	1,011.0	800.0	734.0	2,545.0
SSTD	500.0	700.0	500.0	1,700.0
<b>Total</b>	<b>1,511.0</b>	<b>1,500.0</b>	<b>1,239.7</b>	<b>4,250.7</b>

9.1.5 The Petitioners request the Hon'ble Commission to approve the above CAPEX plan for MP Discoms. Further, any variation against the aforesaid proposal may be adjusted at the time of final True-up of FY 2026-27.

## 9.2 Scheme Wise Capitalization

9.2.1 Discoms have projected CAPEX during FY 2026-27 as outlined in the paras above. The capitalization against the ongoing schemes has been estimated by each Discoms as per its best judgement, summary of which has been shown in the Table below:

**Table 122: Scheme Wise Capitalization for FY 2026-27 (Rs. Crores)**

Name of Scheme	East Discom	Central Discom	West Discom	MP-State
From Opening CWIP	499.12	497.16	336.53	1,332.81
PM JANMAN	-	6.32	-	6.32
DA- JGUA	-	4.18	-	4.18
Loss Reduction & Modernization (RDSS)	404.40	811.89	207.75	1,424.04
SSTD	300.00	280.00	250.00	830.00
<b>Total</b>	<b>1,203.52</b>	<b>1,599.54</b>	<b>794.28</b>	<b>3,597.35</b>

## 9.3 Capital Work in Progress

9.3.1 Based on the proposed capital expenditure and capitalization, Petitioners have projected the opening and closing balance of CWIP as shown in the Table below:

**Table 123: Discom Wise Capital Work in Progress (Rs. Crores)**

S. No.	Particulars	East Discom	Central Discom	West Discom	Total
1	Opening Balance of CWIP	1,663.74	2,491.54	4,807.57	8,962.84
2	Fresh Investment during the year	1,511.00	1,500.00	1,239.71	4,250.71
3	<b>Total Capitalization during the year</b>	<b>1,203.52</b>	<b>1,599.54</b>	<b>794.28</b>	<b>3,597.35</b>
4	<b>Closing Balance of CWIP</b>	<b>1,971.21</b>	<b>2,392.00</b>	<b>5,252.99</b>	<b>9,616.21</b>

## 9.4 Fixed Assets Addition

9.4.1 Based on the capitalization as proposed in the section above, Petitioners have projected the Gross Fixed Assets addition for the FY 27 as shown in the Table below:

**Table 124: Fixed Assets Addition for FY 2026-27 (Rs. Crores)**

Particulars	East Discom	Central Discom	West Discom
Land & land rights	1.0	0.0	0.0
Buildings	2.7	149.2	0.0
Hydraulic works	0.0	0.0	0.0
Other civil works	1.9	0.0	0.0
Plant & machinery	0.0	36.8	338.2
Lines, cables, networks	492.6	462.3	348.1
Vehicles	0.0	0.0	0.0
Furniture & fixtures	0.1	3.3	0.4
Office equipment's	0.8	53.8	0.4
RRGVY	0.0	0.0	0.0
Intangible Assets	0.0	82.4	0.0
Supervision assets	0.0	0.0	0.0
Capital Stores & Spares	0.0	0.0	0.0
RRRDS	704.4	811.9	108.0
<b>Total</b>	<b>1,204</b>	<b>1,600</b>	<b>795</b>

## 9.5 Lease Charges towards Smart Meters

9.5.1 It is submitted that the smart meters are being installed in the State under the TOTEX model, which incorporates three cost components:

- an upfront cost,
- an Opex EMI, and
- Capex EMI

9.5.2 In accordance with the Accounting Standards issued by the Institute of Chartered Accountants of India (ICAI), these smart meters must be accounted for under Indian Accounting Standard (Ind AS) 116 – Leases. Consequently, all expenses incurred in connection with the installation of the smart meters are to be claimed pursuant to the terms of the lease agreement.

9.5.3 As discussed in paras above that the Petitioners have claimed expense towards OPEX EMI separately under O&M expenses, the remaining expense, i.e., upfront payment and Capex EMI is being claimed under lease charges in this section.

9.5.4 The Petitioners wish to submit that Regulation 35 of the MYT Regulations, 2021 provides stipulation for Lease/Hire Purchase Charges as reproduced below:

**“35. Lease/Hire Purchase Charge.-**

*Lease charges for asset taken on lease by Distribution Licensee shall be considered as per lease agreement provided the charges are considered reasonable by the Commission.”*

- 9.5.5 In view of the above, based on the projected smart meter installation for the FY 2026-27 and considering the EMI & Upfront rate as quoted by the bidders, the Discoms have worked out the lease charges towards installation of smart meters as shown in the Table below:

**Table 125: Discom-wise lease charges towards Smart Meters for FY 2026-27 (Rs. Crores)**

Sr.	Particulars	East Discom	Central Discom	West Discom	MP-State
1	Lease Charges towards Smart Meters	164.71	276.20	72.71	<b>513.62</b>

- 9.5.6 The Petitioners have not considered capitalization of Smart Meters as GFA addition, and hence, not claimed any depreciation, interest on loan and return on equity corresponding to such capitalization. Instead, they have claimed the lease charges in line with the Regulation 35 of the Tariff Regulations, 2021. **The Petitioners request the Hon'ble Commission to approve the lease charges as shown in the Table above.**

**Central Discom Submission:**

- 9.5.7 The detailed working of CAPEX EMI, upfront Cost and OPEX EMI expected to be incurred during FY 2026-27 is summarized in the Table below:

**Table 126: Summary of TOTEX Cost towards Smart Meters for FY 2026-27 – Central Discom**

Type of Meter	FY 2026-27					
	Projected Installation	Upfront payment (Rs. 1770/- per meter)	Total EMI	CAPEX EMI	OPEX EMI	Total TOTEX (Capex+Opex)
<b>(AMISP- M/s alfanar Power Pvt Ltd)</b>						
LT 1 phase	333056	58.95	11388300	40.54	40.54	140.03
LT 3 Phase	16628	2.94	972672	4.72	4.72	12.38
LT CT Meter	703	0.12	30039	0.25	0.25	0.62
DT Meter	0	0	2101392	18.18	18.18	36.36
Feeder Meter	2674	0.47	107804	1.73	1.73	3.93
HT Meter	1363	0.24	37142	0.56	0.56	1.36
<b>Total (Alfanar)</b>	<b>354424</b>	<b>62.72</b>	<b>14637349</b>	<b>65.98</b>	<b>65.98</b>	<b>194.68</b>
<b>(AMISP- M/s Apraava Energy Pvt. Ltd.)</b>						
LT 1 phase	647256	114.56	7860535	0	29.54	144.1
LT 3 Phase	176908	31.31	1984132	0	10.83	42.14
LT CT Meter	1455	0.26	21658	0	0.28	0.54
DT Meter	7733	1.37	166677	0	2.19	3.56
<b>Total (Apraava)</b>	<b>833352</b>	<b>147.5</b>	<b>10033002</b>	<b>0</b>	<b>42.84</b>	<b>190.34</b>

Type of Meter	FY 2026-27					
	Projected Installation	Upfront payment (Rs. 1770/- per meter)	Total EMI	CAPEX EMI	OPEX EMI	Total TOTEX (Capex+Opex)
<b>Total</b>	<b>1187776</b>	<b>210.22</b>	<b>24670351</b>	<b>65.98</b>	<b>108.82</b>	<b>385.02</b>

**East Discom Submission:**

- 9.5.8 The detailed working of CAPEX EMI, upfront Cost and OPEX EMI expected to be incurred during FY 2026-27 is summarized in the Table below:

**Table 127: Summary of TOTEX Cost towards Smart Meters for FY 2026-27 – East Discom**

Particulars	Projected
	FY 26-27
No. of Smart Metered installed	241698
<b>Capex EMI amount Component (Rs. Crore)</b>	
(i) Upfront payment amount	42.78
(ii) EMI Paid	121.93
<b>Opex Component (Rs. Crore)</b>	
Opex EMI	126.39
<b>Total TOTEX (Capex+Opex) (Rs. Crore)</b>	<b>291.10</b>
<b>Total Lease Charges (Upfront Charges + Capex EMI)</b>	<b>164.71</b>

**West Discom Submission:**

- 9.5.9 The detailed working of CAPEX EMI, upfront Cost and OPEX EMI expected to be incurred during FY 2026-27 is summarized in the Table below:

**Table 128: Summary of TOTEX Cost towards Smart Meters for FY 2026-27 – West Discom**

Particulars	Projected
	FY 26-27
No. of Smart Metered installed	-
<b>Capex EMI amount Component (Rs. Crore)</b>	
(i) Upfront payment amount	0
(ii) EMI Paid	72.71
<b>Opex Component (Rs. Crore)</b>	
Opex EMI	71.87
<b>Total TOTEX (Capex + Opex) (Rs. Crore)</b>	<b>144.58</b>
<b>Total Lease Charges (Upfront Charges + Capex EMI) (Rs. Crore)</b>	<b>72.71</b>

**9.6 The Petitioners hereby request the Hon'ble Commission to approve Capital Expenditure and Fixed Assets Addition and Lease charges towards Smart Meters as shown in the Tables above.**

**A10: OTHER COSTS / INCOME - DISCOMS****10.1 Depreciation**

- 10.1.1 Regulation 33 of the MPERC (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021, provides stipulation for calculation of depreciation. As per the said Regulations, Depreciation needs to be calculated on value base of the capital cost as admitted by the Commission. The salvage value of the assets needs to be considered as 10% of Capital Cost and Depreciation shall be allowed up to maximum of 90% of the Capital Cost of the Asset.
- 10.1.2 The rate of depreciation has been considered in accordance with the rate specified by the Hon'ble Commission in its Regulations. In case of existing projects/schemes Petitioners have verified if the accumulated depreciation has reached 70%. For the existing projects/schemes where the accumulated depreciation has reached 70% of asset value, the remaining depreciable value has been spread over the remaining life of the asset such that the maximum depreciation does not exceed 90%.
- 10.1.3 Petitioners have claimed depreciation on the Net Block of Assets excluding consumer contribution and grants, since the Petitioners have not considered deferred income booked towards the amortization of assets created through consumer contribution and grants under their Non-Tariff Income.
- 10.1.4 Accordingly, the Discom-wise depreciation for the ensuing years of the Control Period is as shown in the Table below:

**Table 129: Discom-wise Depreciation for FY 2026-27 (Rs. Crores)**

Particulars	East Discom	Central Discom	West Discom	MP-State
Building	1.41	9.01	4.56	14.98
Hydraulic Works	0.00	0.28	0.00	0.28
Other Civil Works	1.55	0.13	0.59	2.27
Plant & Machinery	151.52	92.80	114.00	358.32
Line Cable Networks etc.	282.64	184.72	219.25	686.61
Vehicles	0.15	0.00	0.23	0.39
Furniture & fixtures	0.00	0.19	0.26	0.46
Office Equipment	0.07	11.27	3.55	14.88
RGGVY, IPDS, Soubhagya, DDUGJY, RRRDS	11.28	78.95	0.00	90.23
Amortization of Intangible Assets	0.00	5.18	0.64	5.82
Supervision assets	0.00	0.00	0.00	0.00
Capital Stores & Spares	0.00	15.03	1.48	16.50
<b>Total</b>	<b>448.63</b>	<b>397.56</b>	<b>344.55</b>	<b>1190.74</b>

- 10.1.5 Petitioners request the Hon'ble Commission to approve the Depreciation as summarized in the Table above.

## 10.2 Interest and Finance Charges

### 10.2.1 Interest on Project Loans

Regulation 32 of the MPERC (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021 provides stipulation for calculation of interest and finance charges on loan capital.

Petitioners have calculated interest and finance charges on loan capital in line with the methodology adopted by the Hon'ble Commission in its previous Tariff/True-up Orders. The opening debt of FY 2024-25 has been considered in line with the closing debt as approved by the Hon'ble Commission in its True-up Order of FY 2023-24. However, in case of Central Discom, due to prior period capitalization of Rs. 906.31 Crore, the opening debt balance for FY 2024-25 has been revised corresponding to debt balance associated with prior period capitalization of Rs. 906.31 Crore. The detailed working of the same is provided in the separate Petition submitted for True up of ARR for FY 2024-25.

The assets addition to GFA, consumer deposit & grant and actual equity contribution has been considered as proposed in the True-up Petition of FY 2024-25. The repayment of loan has been considered equal to depreciation. Accordingly, the closing debt of FY 2024-25 has been arrived by adding the net GFA considered as funded through debt and subtracting debt repayment of the respective year. The Closing debt of FY 2024-25 is then considered as opening debt of FY 2025-26.

In a similar fashion, opening and closing debt of FY 2025-26 & FY 2026-27 has been arrived. However, while doing so the GFA addition, consumer deposit & grant and equity has been considered as projected in this Petition. Further, 30% of the net asset addition to GFA during the year or actual equity infusion as admitted, whichever being less has been considered as funded through equity. Balance of net asset addition to GFA is considered as having been funded through debt and added to the total debt in GFA.

The interest on loan for FY 2026-27 has been calculated on the normative average loan of the year by applying the weighted average rate of interest. Further, the weighted average rate of interest for each Discom has been calculated based on the actual loan portfolio of Discoms in line with the Regulations.

Petitioners have also considered other finance charges such as Bank Charges, Commitment Charges, Guarantee/LC Charges etc. based on the actual expenditure incurred over the previous financial years as per audited accounts. The Discom-wise summary of interest and finance charges is as detailed in the Table below:

**Table 130: Discom-Wise Interest on Project Loan for FY 2026-27 (Rs. Crores)**

S. No.	Particulars (In Rs Crores)	East Discom	Central Discom	West Discom	MP-State
1	Opening Debt associated with GFA (as per True-up Order)	3653.55	4314.24	778.36	8746.15
2	GFA Addition during the year	1203.52	1599.54	794.28	3597.35

S. No.	Particulars (In Rs Crores)	East Discom	Central Discom	West Discom	MP-State
3	Consumer Deposit and Grants utilized during the year	370.65	794.10	242.44	1407.18
4	Net GFA Addition during the year	832.87	805.44	551.84	2190.16
5	Addition of Equity	293.28	379.11	154.15	826.54
6	Net GFA considered as funded through debt	539.60	426.34	397.69	1363.62
7	Debt repayment during the year	448.63	397.56	344.55	1190.74
8	Closing debt associated with GFA	3744.51	4343.02	831.50	8919.03
9	Average debt associated with Loan	3699.03	4328.63	804.93	8832.59
10	Weighted average rate of interest (%) on all loans	9.21%	10.40%	9.66%	9.83%
11	Interest on Project Loans	<b>340.55</b>	<b>450.31</b>	<b>77.79</b>	<b>868.65</b>
12	Other Finance cost	2.20	17.62	23.59	43.41
13	Bank Charges	0.19	0.60	0.00	0.80
14	Commitment Charges	1.53	13.81	0.00	15.34
15	Guarantee/Lc Charges	0.48	3.21	23.59	27.27
<b>16</b>	<b>Interest Cost Claimed in Petition</b>	<b>342.75</b>	<b>467.93</b>	<b>101.38</b>	<b>912.06</b>

**10.2.2** Petitioners request the Hon'ble Commission to approve the interest and finance charges on Project loan as summarized in the Table above. Any variation shall be claimed at the time of final True-up of respective year.

### 10.2.3 Interest on Working Capital

Regulation 23 of the MPERC (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021 provides the method of calculation of interest on working capital, wherein the total Working Capital shall consist of expenses towards working capital for the supply activity and wheeling activity. The said Regulation also stipulates the parameters to be considered for computation of working capital for wheeling and supply activity.

As per the Regulation 38, the Rate of interest on working capital shall be equal to the Base Rate as on 01<sup>st</sup> April of the relevant year plus 350 basis points. Further, the base rate shall be one-year Marginal Cost of Funds-based Lending Rate (MCLR) as declared by State Bank of India from time to time. The SBI MCLR as on 1st April 2024 is 8.65%. Accordingly, the Petitioners have considered the interest rate on working capital as 12.15% (SBI-MCLR 8.65% plus 350 bps).

The summary of Discom wise Interest on Working Capital is as detailed in the Table below:

**Table 131: Discom-wise Interest on Working Capital for FY 2026-27 (Rs. Crores)**

S. No.	Particulars	East Discom	Central Discom	West Discom	MP-State
<b>I</b>	<b>Wheeling</b>				
<b>A)</b>	1/6th of annual requirement of inventory for 1% GFA of previous year	22.9	22.0	13.8	58.7
<b>B)</b>	O&M expenses				

S. No.	Particulars	East Discom	Central Discom	West Discom	MP-State
	R&M expenses	395.5	379.2	238.5	1,013.2
	A&G expense	152.2	138.1	171.8	462.1
	Employee expenses	1,373.4	1,295.0	1,256.0	3,924.4
<b>B) i)</b>	Total of O&M expenses	1,921.2	1,812.3	1,666.2	5,399.6
<b>B) ii)</b>	1/12th of total	160.1	151.0	138.8	450.0
<b>C)</b>	Receivables	-	-	-	-
<b>C) i)</b>	Annual Revenue from wheeling charges**	-	-	3.8	3.8
<b>C) ii)</b>	Receivables equivalent to 2 months average billing of wheeling charges	-	-	0.6	0.6
<b>D)</b>	Total Working capital [ (A) + B) ii) - C) ii)]	183.0	173.0	153.3	509.3
<b>E)</b>	Rate of Interest *	12.15 %	12.15%	12.15 %	12.15%
<b>F)</b>	<b>Interest on Working capital (Wheeling)</b>	<b>22.2</b>	<b>21.0</b>	<b>18.6</b>	<b>61.9</b>
<b>II</b>	<b>Retail Supply</b>				
<b>A)</b>	1/6th of annual requirement of inventory for previous year	5.7	5.5	3.5	14.7
<b>B)</b>	Receivables				
<b>B) i)</b>	Annual Revenue from Tariff and charges**	16,826.3	18,809.9	24,383.6	60,019.7
<b>B) ii)</b>	Receivables equivalent to 2 months average billing	2,804.4	3,135.0	4,063.9	10,003.3
<b>C)</b>	Power Purchase expenses	11,019.3	11,285.6	19,891.9	42,196.7
<b>C) i)</b>	1/12th of power purchase expenses	918.3	940.5	1,657.7	3,516.4
<b>D)</b>	Consumer Security Deposit	1,708.3	1,899.3	2,767.1	6,374.6
<b>E)</b>	Total Working capital (A+B ii) - C i) - D)	<b>183.6</b>	<b>300.7</b>	<b>(357.4)</b>	484.3
<b>F)</b>	Rate of Interest *	12.15%	12.15%	12.15%	12.15%
<b>G)</b>	<b>Interest on Working capital (Retail Supply)</b>	<b>22.3</b>	<b>36.5</b>	-	<b>58.8</b>
	<b>Total Interest on Working Capital (Wheeling + Retail Supply)</b>	<b>44.5</b>	<b>57.6</b>	<b>18.6</b>	<b>120.7</b>

**Petitioners request the Hon'ble Commission to approve the interest on working capital as projected in the Table above. Any variation shall be claimed at the time of final True-up of the respective years.**

#### 10.2.4 Interest on Consumer Security Deposit

Interest on Consumer Security Deposit has to be paid to the consumers in accordance with MPERC (Terms and Conditions for Determination of Tariff for Supply and Wheeling of Electricity and Methods and Principles for Fixation of Charges) Regulations, 2021 and MPERC Security Deposit Regulations, 2009 and its amendment thereof. The Petitioner have provisionally considered rate on Consumer Security Deposit rate in line with the actual rate arrived based on the audited accounts. The Discom-wise summary of interest on Consumer Security Deposit is as provided in the Table below:

**Table 132: Discom-wise Interest on Consumer Security Deposit for FY 2026-27 (Rs. Crores)**

S. No.	Particulars	East Discom	Central Discom	West Discom	MP-State
1	Interest on CSD	115.75	123.45	171.80	411.00

## 10.2.5 Gist of Interest & Finance Charge

Gist of the Interest & Finance Charges for FY 2026-27 is summarized as below:

**Table 133: Discom-wise Total Interest & Finance Charges for FY 2026-27 (Rs. Crores)**

S. No.	Particular	East Discom		Central Discom		West Discom	
		Approved in MYT Order	Revised Claim	Approved in MYT Order	Revised Claim	Approved in MYT Order	Revised Claim
1	Interest on Project Loans	630.22	342.75	579.07	467.93	461.36	101.38
2	Total Interest on working Capital	94.81	44.54	74.59	57.56	0.00	18.63
3	Interest on Consumer Security Deposit	53.20	115.75	66.12	123.45	114.27	171.80
4	<b>Total Interest &amp; Finance Charges</b>	<b>778.23</b>	<b>503.04</b>	<b>719.78</b>	<b>648.94</b>	<b>575.63</b>	<b>291.80</b>

**Table 134: Revised Interest & Finance Charges claimed for MP-State for FY 2026-27 (Rs. Crores)**

S. No.	Particular	MP -State	
		Approved in MYT Order	Revised Claim
1	Interest on Project Loans	1,670.65	912.06
2	Total Interest on working Capital	169.40	120.72
3	Interest on Consumer Security Deposit	233.59	411.00
4	<b>Total Interest &amp; Finance Charges</b>	<b>2,073.64</b>	<b>1,443.79</b>

## 10.3 Return on Equity

10.3.1 The Commission in its Tariff Regulations, 2021 has proposed to allow Return on Equity in two parts, i.e., Base Return on Equity and Additional Return on Equity linked to actual performance. The rate for base Return on Equity has been kept at 14% and an Additional Return on Equity of 2% which is linked to performance has been proposed to be allowed at the time of True-up.

10.3.2 Regulation 22 of the MYT Regulations, 2021 provides that the debt-equity ratio of the capital employed for determination of tariff shall be 70:30. However, in case the actual equity is less than 30%, actual equity infused is to be considered and wherever the actual equity infused exceeds 30%, equity in excess of 30% shall be treated as normative loan. Accordingly, based on the above, the Petitioners have worked out Return of Equity for the FY 2026-27 as follows:

- (a) Opening Equity for FY 2024-25 has been taken equivalent to the closing equity admitted in true-up of FY 2023-24. However, mainly in case of Central Discom, during the FY 2024-25, assets amounting to Rs. 906.31 Crores have been capitalized retrospectively from FY 2014-15. This capitalization pertains to periods prior to FY 2024-25, based on completion reports received in the current fiscal year.

Considering this prior period capitalization, the Petitioner has revised the normative opening equity balance for FY 2024-25, as submitted in the True- Up petition for FY 2024-25.

- (b) Thereafter addition in equity for FY 2024-25 has been considered as proposed in True-up Petition for FY 2024-25. The closing equity thus arrived for FY 2024-25 has been considered as opening equity for FY 2025-26.
- (c) Net asset addition to GFA during FY 2025-26 and FY 2026-27 of the Control Period has arrived by subtracting the consumer contribution/Grants from total asset addition to GFA as projected in this Petition.
- (d) 30% of the net asset addition to GFA during the year or actual equity infusion as proposed, whichever being less has been considered as funded through equity.

10.3.3 Accordingly, the Return on Equity has been calculated on the average equity balance of the respective year with the Rate of 14% as summarised in the Table below:

**Table 135: Discom-wise return on Equity for FY 2026-27 (Rs. Crores)**

Particulars	East Discom	Central Discom	West Discom
<b>Gross Fixed Assets at the beginning of year (net of consumer contributions)</b>	<b>9,576.28</b>	<b>10,900.29</b>	<b>8,717.56</b>
Opening balance of GFA identified as funded through equity	1,994.79	2,385.50	1,341.57
<b>Proposed capitalization of assets as per the investment plan (net of consumer contribution and grant)</b>	<b>832.87</b>	<b>805.44</b>	<b>551.84</b>
Proportion of capitalized assets funded out of equity, internal reserves	293.28	379.11	154.15
Balance Proportion of capitalized assets funded out of project loans (B - B1)	539.60	426.34	397.69
Normative additional equity (30% of B)	249.86	241.63	165.55
Normative additional debt (70% of B)	583.01	563.81	386.29
Excess / shortfall of additional equity over normative (B1-C1)	43.42	137.47	(11.40)
Excess / shortfall of additional debt over normative (B2-C2)	(43.42)	(137.47)	11.40
<b>Equity eligible for Return (A1+(C1/2)) OR (A1+(B1/2)), whichever is lower</b>	<b>2,119.72</b>	<b>2,506.32</b>	<b>1,418.64</b>
<b>Rate of Return in Equity</b>	<b>14.75%</b>	<b>14.00%</b>	<b>14.00%</b>
<b>Return on Equity (14% on E)</b>	<b>312.66</b>	<b>350.88</b>	<b>198.61</b>

**Table 136: Summary of Return on Equity claimed for MP-State for FY 2026-27 (Rs. Crores)**

S. No.	Particular	MP -State	
		Approved in MYT Order	Revised Claim
1	East Discom	363.03	312.66
2	Central Discom	394.61	350.88
3	West Discom	230.66	198.61
<b>4</b>	<b>MP-state</b>	<b>988.30</b>	<b>862.15</b>

**10.3.4 Petitioners request the Hon’ble Commission to approve the RoE as proposed in the Table above. Any variation shall be claimed at the time of final True-up of the respective year.**

#### **10.4 Provision for Bad & Doubtful Debts**

10.4.1 Regulation 37 of Tariff Regulations, 2021 provides the methodology for computation of Provision for Bad & Doubtful Debts, wherein it is stated that Bad & Doubtful Debts shall be allowed to the maximum of 1% of the yearly revenue. However, considering the past stand of the Hon’ble Commission, the Petitioners have not claimed any expenses against bad and doubtful debts as shown in the Table below:

**Table 137: Discom-wise Provision for Bad & Doubtful Debts for FY 2026-27 (Rs. Crores)**

S. No.	Particulars	East Discom	Central Discom	West Discom	MP-State
1	Bad and Doubtful debts	0	0	0	0

#### **10.5 Research & Development Fund**

10.5.1 The Hon’ble Commission in its previous ARR proceedings has allowed R&D Fund of Rs. 2 Crore for each DISCOM. This fund is to be utilised in conducting studies and running pilots, whenever required in areas aimed at enhancing the efficiency of distribution licensees. The emphasis is on utilising the fund strategically to support studies, research and support initiatives that contribute to improvements in technological interventions, operational capabilities and cost savings, etc.

10.5.2 The Petitioners express its gratitude before the Hon’ble Commission for allowing the R&D fund. Research and Development (R&D) funding is essential for distribution licensees as it drives innovation and efficiency, leading to improved reliability and quality of electricity supply, reduced operational costs, and enhanced customer satisfaction. It enables the integration of sustainable practices and renewable energy sources, ensures regulatory compliance, and provides a competitive edge in the evolving energy market. Moreover, R&D fosters safety improvements and future preparedness, contributing to economic growth and the overall sustainability of the electricity distribution network.

10.5.3 However, it is submitted that for any fund to operationalize it is necessary that the

recovery of the same is built in tariff. The Petitioner being a regulated entity, can recover only approved expenses from the consumer. Further, considering the current financial condition of the Petitioners where the Licensees are facing cash crunch in managing day-to-day business activity, it has become difficult for them to arrange the required R&D fund on its own.

10.5.4 The Hon'ble Commission would appreciate the fact that as mandated under Section 62 (6) of the Electricity Act, 2003, Distribution Licensee cannot recover any charges / tariff more than that approved by the Commission. Accordingly, it is prayed before the Hon'ble Commission kindly include the expenses towards R&D fund while determining the ARR for the FY 2026-27 and allow its recovery through tariff.

10.5.5 The summary of expenses regarding R&D fund as considered by the Petitioners are shown in the Table below:

**Table 138: Summary of Expenditure for R&D Fund claimed for MP-State FY 2026-27 (Rs. Crores)**

Sr. No	Particular	MP -State	
		Approved in MYT Order	Revised Claim
1	East Discom	0	4
2	Central Discom	0	4
3	West Discom	0	4
4	<b>MP-state</b>	<b>0</b>	<b>12</b>

## 10.6 Other Income & Non-Tariff Income

10.6.1 The main components of Non-Tariff Income are Wheeling Charges, Supervision Charges, Sale of Scrap, income from Trading and Miscellaneous Charges from consumers as per Tariff Regulations, 2021 and as per the "Schedule of Miscellaneous and General Charges" under MPERC (Details to be furnished and fee payable by licensee or generating company for determination of tariff and manner of making application) Regulations, 2004 and amendments issued thereof. The Petitioners have projected their Other Income & Non-Tariff Income for FY 2026-27 based on averaging method over various components of other income. Further the Petitioners have also considered the escalation rate as arrived for escalation of O&M Expenses for the projection of appropriate components of Other Income.

10.6.2 Petitioners further wish to submit that they have not considered deferred income i.e. income booked towards the amortization of assets created through consumer contribution and grants under their claim of Other Income since, the Petitioners have claimed depreciation on net block of assets. Further, in line with the methodology adopted by the Hon'ble Commission in its previous True-up Order of FY 2023-24, Petitioners have not considered the waived off amount by MPPTCL towards liability of wheeling charges on DISCOMs in other income.

10.6.3 Accordingly, the Other Income & Non-Tariff Income is shown below:

**Table 139: Discom-wise Other Income & Non-Tariff Income for FY 2026-27 (Rs. Crores)**

Particulars	East Discom	Central Discom	West Discom	MP-State
Income from Investment, Fixed & Call Deposits	53.97	80.57	91.07	225.60
Interest on loans and Advances to staff	-	-	0.01	0.01
Other Income from Trading/Sale of scrap	34.48	18.91	15.77	69.16
Interest on Advances to Suppliers / Contractors	-	-	0.03	0.03
Income/Fee/Collection against staff welfare activities	-	-	0.04	0.04
Miscellaneous receipts	180.25	39.02	-	219.27
Wheeling charges	-	-	3.75	3.75
Liability of wheeling charges towards MPPTCL written off	-	-	-	-
Supervision charges	41.12	-	74.18	115.29
Recovery from theft	44.32	-	-	44.32
Meter Rent	-	-	-	-
Other Charges from Consumers	-	-	-	-
Utility Charges	-	-	-	-
Net gain/(loss) on disposal of stores item	-	-	-	-
Income from renting	-	-	4.88	4.88
Other miscellaneous income	-	-	110.65	110.65
<b>Total</b>	<b>354.14</b>	<b>138.49</b>	<b>300.41</b>	<b>793.05</b>

**Table 140: Summary of Other Income claimed for MP-State for FY 2026-27 (Rs. Crores)**

Sr. No	Particular	MP -State	
		Approved in MYT Order	Revised Claim
1	East Discom	199.85	354.14
2	Central Discom	234.73	138.49
3	West Discom	151.12	300.41
<b>4</b>	<b>MP-state</b>	<b>585.70</b>	<b>793.05</b>

10.6.4 **Petitioners request the Hon'ble Commission to approve the Other Income as proposed in the Table above. Any variation shall be claimed at the time of final True-up of the respective year.**

**A11: AGGREGATE REVENUE REQUIREMENT****11.1 Aggregate Revenue Requirement of MPPMCL**

The Table below details the Aggregate Revenue Requirement of MPPMCL. The net expenses are included as a part of Power Purchase Costs of Discom's.

**Table 141: Summary of ARR for MPPMCL for FY 2026-27 (Rs. Crore)**

S. No.	Particulars	FY 27 (Projected)
I.	Revenue from operations (including Revenue Subsidy)	
II.	Other income	170.76
III.	Income from other business allocated to Licensed business	
<b>IV</b>	<b>Total Revenue (I + II+III)</b>	<b>170.76</b>
V	<b>Expenses:</b>	
	Purchase of Power from MP Genco	
	Purchase of Power from Other Sources	300.00
	Open Access Charges	20.53
	Banking Charges	
	Bank Charges	5.49
	Depreciation and amortization expenses	7.83
	Interest & Finance Charges	-
	Repairs and Maintenance	8.56
	Employee costs	67.63
	Administration and General expenses	36.31
	Net prior period credit charges	-
	Other Debits, Write-offs	-
	Other Charges	-
	<b>Total Expenses</b>	<b>446.36</b>
VI	Profit before exceptional and extraordinary items and tax (IV-V)	(275.59)
VII	Exceptional items	
VIII	<b>Profit before extraordinary items and tax (VI – VII)</b>	<b>(275.59)</b>

**11.2 Impact of DISCOM's True-up and Supplementary bills.**

(a) **Impact of DISCOM's True-up for FY 2024-25:** The Petitioners in line with Regulation 7.2 of Tariff Regulations, 2021 have filed a separate Petition for True-up of ARR for FY 2024-25. The Petitioners have claimed Rs. **4364.64** Crore towards True-up of ARR for FY 2024-25. The same has been considered in the revised ARR for FY 2026-27.

(b) **Impact of Bills of Power Purchase Supplementary Cost:** The Petitioners in compliance with MPERC Order dated 16<sup>th</sup> Oct, 2025 in Petition No. 120 of 2025,

have claimed the cost towards supplementary power purchase cost amounting to Rs. **3,450.63** Crore in its True-up Petition of ARR for FY 2024-25. The same has been considered in the ARR determination for FY 2026-27.

### **11.3 Aggregate Revenue Requirement of Discoms**

The summary of the Aggregate Revenue Requirement, Revenue from Sale of Power & Revenue (Gap)/Surplus of the DISCOM's calculated on the basis of provisions of the regulation is detailed in the Table below:

Table 142: Summary of ARR of Discoms for FY 2026-27 (Rs. Crore)

Sr. no.	Particular	Unit	Revised ARR for FY 2026-27			
			MP State	East	Central	West
<b>A</b>	<b>Revenue</b>					
1	Revenue from sale of power at current Tariffs	Rs Cr	<b>59,331</b>	<b>16,826</b>	<b>18,810</b>	<b>23,694</b>
<b>B</b>	<b>Expenditure</b>					
1	Purchase of Power	Rs Cr	42,197	11,019	11,286	19,892
2	MPPMCL Cost	Rs Cr				
3	Inter-State Transmission charges	Rs Cr				
4	Intra-State Transmission (MP Transco) Charges and SLDC Charges	Rs Cr	6,356	2,182	2,102	2,072
5	R&M Expense	Rs Cr	1,320	522	488	310
6	Employee Expenses	Rs Cr	3,994	1,373	1,295	1,326
7	A&G Expense	Rs Cr	462	152	138	172
8	Depreciation and Related debits	Rs Cr	1,191	449	398	345
9	Interest & Finance Charges	Rs Cr	1,444	503	649	292
10	Other Debits, Write-offs (Prior period and bad debts), R&D Fund	Rs Cr	12	4	4	4
11	Lease charges for Smart Meters	Rs Cr	514	165	276	73
12	<b>Total Expenses</b>	<b>Rs Cr</b>	<b>57,490</b>	<b>16,370</b>	<b>16,635</b>	<b>24,485</b>
13	RoE	Rs Cr	862	313	351	199
14	<b>Total Expenses Including RoE</b>	<b>Rs Cr</b>	<b>58,352</b>	<b>16,682</b>	<b>16,986</b>	<b>24,684</b>
15	Other income	Rs Cr	793	354	138	300
<b>C</b>	<b>Total ARR</b>	<b>Rs Cr</b>	<b>57,559</b>	<b>16,328</b>	<b>16,848</b>	<b>24,384</b>
<b>D</b>	<b>Revenue Gap</b>	<b>Rs Cr</b>	<b>(1,771)</b>	<b>(498)</b>	<b>(1,963)</b>	<b>689</b>
1	Impact of True Up GENCO	Rs Cr				
2	Power Purchase Supplementary Cost Impact	Rs Cr	3,451	983	1,114	1,353
3	Impact of True Up Discoms	Rs Cr	4,365	1,229	2,764	371
<b>E</b>	<b>Total Revenue Gap (including true up if any)</b>	<b>Rs Cr</b>	<b>6,044</b>	<b>1,714</b>	<b>1,916</b>	<b>2,414</b>
<b>F</b>	<b>Total ARR including True Up</b>	<b>Rs Cr</b>	<b>65,374</b>	<b>18,540</b>	<b>20,726</b>	<b>26,108</b>
<b>G</b>	<b>Sales</b>	<b>MUs</b>	<b>83,444</b>	<b>23,565</b>	<b>26,708</b>	<b>33,171</b>
<b>H</b>	<b>Average Cost of Supply Including True Up</b>	<b>Rs./kWh</b>	<b>7.83</b>	<b>7.87</b>	<b>7.76</b>	<b>7.87</b>

## A12: WHEELING CHARGES, CROSS SUBSIDY SURCHARGE AND ADDITIONAL SURCHARGE

### 12.1 Determination of Wheeling Charges

12.1.1 It is submitted that the Regulation 8.11 of the MYT Regulations, 2021 specify allocation matrix for apportioning expenses of DISCOMs into wheeling and supply businesses as follows:

Particulars	Wheeling Business	Supply Business
Operation and Maintenance Expenses	70%	30%
Depreciation	95%	5%
Interest on loan	95%	5%
Interest on working capital	10%	90%
Return on Equity	90%	10%
Power purchase cost including transmission and SLDC charges	0%	100%

12.1.2 On the basis of the above allocation matrix and ARR projection for FY 2026-27, the expenditure towards wheeling business for all the DISCOMs is shown below.

**Table 143: Wheeling ARR for FY 2026-27**

Particulars	FY 2026-27	
	ARR excluding PP Cost	Wheeling ARR
O&M Expenses	5,776.69	4,043.68
Interest and Finance Charges	1,836.69	1,744.85
Depreciation	1,190.74	1,131.20
Interest on Working Capital	120.72	12.07
Return on Equity	862.15	775.94
<b>Total</b>	<b>9,786.99</b>	<b>7,707.75</b>

12.1.3 It is further submitted that the Madhya Pradesh Electricity Regulatory Commission (Cogeneration and Generation of Electricity from Renewable Sources of Energy) Regulations, 2021 (First Amendment), stipulates that the consumers with a contracted demand or sanctioned load of 100kW or more, excluding captive consumers, are entitled to request green energy from the Distribution Licensee.

12.1.4 Further, the Madhya Pradesh Electricity Regulatory Commission (Terms and Conditions for Intra-State Open Access in Madhya Pradesh) Regulations, (Revision-I) 2021, as amended, and the Madhya Pradesh Electricity Regulatory Commission (Methodology for determination of Open Access charges and Banking charges for Green Energy Open Access consumers) Regulations, 2023, outline various charges applicable to Green Energy Open Access Consumers, including wheeling charges. In view of the above, the Petitioners have determined wheeling charges for the consumers at 33 kV, 11 kV and LT separately in this Petition.

12.1.5 It is submitted that the Hon'ble Commission in its previous Tariff Order of FY 2025-26 has approved separate wheeling charges for consumers at 33kV, 11kV, and LT levels. In line with the same methodology, the Petitioners have worked out the wheeling cost individually for each relevant category, namely 33kV, 11kV, and LT Lines for the approval of before the Hon'ble Commission.

#### Segregation of costs among voltage levels

12.1.6 It is submitted that the costs of wheeling activity have been distributed among three voltage levels of distribution, i.e., 33 kV, 11kV and LT. Though, the EHT consumers (i.e., at voltages above 33 kV) are consumers of the DISCOMs, they are not directly connected to the distribution system. Certain costs related with metering, billing and collection are associated with EHT consumers.

12.1.7 In order to ascertain the wheeling charges at different voltage levels, it is necessary to have voltage wise allocation of various expenditure of the Discoms. However, at present the Discom do not maintain accounts of their costs, voltage-wise. Similar is the case with other Government-owned distribution licensees operating in most of the Other States.

12.1.8 The Petitioners find that the Hon'ble Commission in its previous Order has adopted the approach of using transformation capacity in MVA at interfaces of 33/11 kV and 11/0.4 kV to segregate the cost of licensees voltage wise. The Petitioners have updated the same methodology as summarised in the Table below:

**Table 144: Voltage level-wise Cost Break-up of Sub transmission & Distribution Lines**

Voltage level of Lines	East DISCOM (ckt-kms)	Central DISCOM (ckt-kms)	West DISCOM (ckt-kms)	Length of lines at State Level (ckt-kms)	Total Cost of lines (Rs. Crore.)	Per unit cost (Rs. Lakh /ckt-km)
<b>33 kV</b>	21,932	21,504	21,108	64,544	11,359.79	17.6
<b>Below 33 kV</b>						
(a) 11 kV	169791	170626.47	147479	487,896	84,991.57	17.42
(b) LT	148935	129047.13	238854	516,836	52,975.70	10.25
<b>Sub-total</b>	<b>318726</b>	<b>299673.6</b>	<b>386333</b>	<b>1004732.6</b>	<b>137967.27</b>	
<b>Total</b>	<b>340,658</b>	<b>321,178</b>	<b>407,441</b>	<b>1,069,277</b>	<b>149327.06</b>	

**Table 145: Voltage level-wise cost of Transformer**

Transformer Voltage Level	East DISCOM (MVA)	Central DISCOM (MVA)	West DISCOM (MVA)	State (MVA)	Total Cost (Rs. Crore.)	Per unit cost (Rs. Lakh /MVA)
33/11 kV Transformer	11,204.00	14,603.75	15,171.98	40,979.73	23,424.02	57.16
11/0.4 kV Transformer	15,280.00	21,944.00	23,511.89	60,735.89	24,525.15	40.38
<b>Total</b>	<b>26,484.00</b>	<b>36,547.75</b>	<b>38,683.87</b>	<b>101,715.62</b>	<b>47,949.17</b>	

12.1.9 For the purpose of above calculations, the Petitioners have considered data for length of lines and transformation capacity based on the actual addition during FY 2024-25. The per unit cost of Sub transmission & Distribution Lines and transformers are taken as approved by the Hon'ble Commission in previous Tariff Order. Accordingly, the Voltage level-wise Cost Break-up of Sub transmission & Distribution Lines and Transformers are determined by the Petitioners as shown in the Table above.

12.1.10 In order to identify the asset values at different voltage levels, it is necessary to "assign" the interface transformers to the voltage levels. For this exercise, the Petitioners in line with the Hon'ble Commission's methodology have included the distribution transformers (11/0.4 kV) to be a part of the 11 kV network and the power transformers of 33/11 kV to be a part of the 33 kV network. Based on this method, the asset values at different voltage levels works out to be as follows:

**Table 146: Identification of value of network at different voltage level (Rs. Crore)**

Voltage level of Lines	Cost of Lines (Rs. Crore)	Cost of Transformation (Rs. Crore)	Total Cost (Rs. Crore)
33 kV	11,359.79	23,424.02	34,783.81
<b>Below 33 kV</b>			
(a) 11 kV	84,991.57	24,525.15	109,516.72
(b) LT	52,975.70		52,975.70
<b>Total</b>	<b>149,327.06</b>	<b>47,949.17</b>	<b>197,276.23</b>

12.1.11 Expenses of wheeling activity are worked out using the asset value ratios as obtained from above, given in the Table below:

**Table 147: Identification of network expenses (wheeling cost) at different voltage levels**

Voltage level of Lines	Asset Values (Rs. Crore)	Asset Ratios (%)	Total Wheeling Cost (Rs. Crore)	Wheeling Cost (Rs. Crore)
33 kV	34,783.81	17.63%	<b>7,707.75</b>	1,359.03
<b>Below 33 kV</b>				
(a) 11 kV	109,516.72	55.51%		4,278.91
(b) LT	52,975.70	26.85%		2,069.81
<b>Total</b>	<b>197,276.23</b>	<b>100.00%</b>		<b>7,707.75</b>

#### Sharing of Wheeling costs

12.1.12 The cost of wheeling is again required to be allocated to the users appropriately based on the usage of network at different voltage levels by consumers. Consumers at 33 kV Voltage level uses 33 kV network only while consumers at 11 kV Voltage level use network of 33 kV and 11 kV and LT Consumers use network of 33 kV, 11 kV and LT.

12.1.13 The energy wheeled during the year at different voltage levels are as follows:-

**Table 148: Energy Wheeled at different voltage levels (MU)**

EHT (400 kV, 220 kV, 132 kV & 66 kV)	33 kV System	11 kV	LT	State
7,530.61	11,579.94	1,112.01	63,221.47	83,444.03

12.1.14 The Petitioners have chosen “Energy Wheeled” at different voltage levels as the measure of network usage to allocate the costs as detailed below:

**Table 149: Allocation of wheeling cost over Distribution System Users at 33 kV**

Particulars	Reference	Unit for item under reference	Quantum/ Amount
Wheeling Cost at 33 kV	A	Rs. Crore	1359.03
Sales at 33 kV	B	MU	11,579.94
Total Sales {excluding sales at 132 kV}	C	MU	75,913.86
Proportion of 33 kV sales to total sales	$D=B/C*100$	%	15.25%
<b>Cost allocation</b>			
<b>Wheeling cost of 33 kV allocated to 33 kV users only</b>	$E=A*D$	<b>Rs. Crore</b>	<b>207.31</b>

**Table 150: Allocation of wheeling cost over Distribution System Users at 11 kV**

Particulars	Reference	Unit for item under reference	Quantum/ Amount
Wheeling Cost at 33 kV	A	Rs. Crore	1,359.03
Wheeling cost of 33 kV allocated to 33 kV users only	B	Rs. Crore	207.31
Remaining Wheeling Cost of 33kV	$C=A-B$	Rs. Crore	1,151.73
Wheeling Cost at 11 kV	D	Rs. Crore	4,278.91
Wheeling Cost at 11 kV along with remaining Wheeling Cost of 33kV	$E=C+D$	Rs. Crore	5,430.64
Sales at 11 kV	F	MU	1,112.01
Total Sales {excluding sales at 132 kV}	G	MU	75,913.86
Proportion of 11 kV sales to total sales	H	MU	1.46%
<b>Wheeling cost of 11 kV allocated to 11 kV users only</b>	$I=E*H$	<b>Rs. Crore</b>	<b>79.55</b>

12.1.15 The remaining wheeling cost has been allocated to LT consumers. Based on these allocations and considering the consumption at 33 kV, 11 kV and LT the wheeling charges in Rupees per unit has been determined as follows:

**Table 151: Wheeling Charges at different Voltage Levels**

Voltage	Wheeling Cost Allocated (Rs. Crore)	Sales (MUs)	Wheeling Charges (Rs. / kWh)
33 kV	207.31	11,579.94	0.18
Below 33 kV			
(a) 11 kV	79.55	1,112.01	0.72
(b) LT	7,420.89	63,221.91	1.17

12.1.16 Applicability of wheeling charges for the consumers depending on their connectivity shall be governed by MPERC (Terms and Conditions for Intra-State Open Access in Madhya Pradesh) Regulations, 2021 and MPERC (Methodology for determination of

Open Access charges and Banking charges for Green Energy Open Access consumers) Regulations, 2023 and amendments thereof.

## 12.2 Cross Subsidy Surcharge

12.2.1 The Licensee submits that the Tariff Policy provides for the determination of cross-subsidy surcharge for various categories of consumers. The Tariff Policy notified by GOI on dated 28th January 2016 prescribes the following formula for determination of cross- subsidy surcharge for various categories of consumers.

*“8.5 Cross-subsidy surcharge and additional surcharge for open access*

*8.5.1 ...*

*....*

***Surcharge formula:***

$$S = T - [C / (1 - L / 100) + D + R]$$

*Where*

*S is the surcharge*

*T is the tariff payable by the relevant category of consumers, including reflecting the Renewable Purchase Obligation*

*C is the per unit weighted average cost of power purchase by the Licensee, including meeting the Renewable Purchase Obligation*

*D is the aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level*

*L is the aggregate of transmission, distribution and commercial losses, expressed as a percentage applicable to the relevant voltage level*

*R is the per unit cost of carrying regulatory assets.*

*Above formula may not work for all distribution licensees, particularly for those having power deficit, the State Regulatory Commissions, while keeping the overall objectives of the Electricity Act in view, may review and vary the same taking into consideration the different circumstances prevailing in the area of distribution licensee.*

*Provided that the surcharge shall not exceed 20% of the tariff applicable to the category of the consumers seeking open access.*

*Provided further that the Appropriate Commission, in consultation with the Appropriate Government, shall exempt levy of cross subsidy charge on the Railways, as defined in Indian Railways Act, 1989 being a deemed licensee, on electricity purchased for its own consumption.*

*8.5.4 The additional surcharge for obligation to supply as per section 42(4) of the Act should become applicable only if it is conclusively demonstrated that the obligation of a licensee, in terms of existing power purchase commitments, has been and continues to be stranded, or there is an unavoidable obligation and incidence to bear fixed costs consequent to such a contract. The fixed costs related to network assets would be recovered through wheeling charges.*

8.5.5 Wheeling charges should be determined on the basis of same principles as laid down for intra-state transmission charges and in addition would include average loss compensation of the relevant voltage level.”

- 12.2.2 Accordingly, the cost of supply to the consumer may be computed on the basis of the weighted average cost of power purchase by the Licensee including cost of meeting the Renewable consumption obligation (erstwhile RPO) (C), applicable transmission and distribution losses (L), Cost of transmission and distribution of electricity (D).
- 12.2.3 The Licensees in subsequent section has determined aforementioned components of Cost of Supply. Depending on the applicability of various charges for each consumer, as specified in MPERC (Terms and Conditions for Intra-State Open Access in Madhya Pradesh) Regulations, 2021 and MPERC (Methodology for determination of Open Access charges and Banking charges for Green Energy Open Access consumers) Regulations, 2023 and amendments thereof, it is required to compute the Cross Subsidy surcharge.
- 12.2.4 The weighted average cost of power purchase by the Licensee including cost of meeting the Renewable consumption obligation (erstwhile RPO) (C) works out as shown in Table below:

**Table 152: Weighted average cost of power purchase by the Licensee including cost of meeting the Renewable Purchase Obligation**

Generating Stations	Requirement (MU)	Total cost (Rs. Crore)	Wt. Average rate of power purchase (Rs. /unit)
Dispatched	101,098	38,829.63	<b>3.84</b>

- 12.2.5 The Tariff Policy prescribes that the Loss level (term ‘L’) should be worked out for each voltage level separately. The Hon’ble Commission in its previous Tariff Order has determined the losses at each level. Considering the revised normative distribution losses as per RDSS trajectory for FY 2026-27, the Petitioners have reworked the losses at different voltages by apportioning the total normative losses of FY 2026-27 in the same loss ratio as approved by the Hon’ble Commission for FY 2025-26.

- 12.2.6 Losses at each voltage level for FY 2026-27 are shown in the Table below:

**Table 153: Voltage-wise losses for FY 2026-27**

Voltage Level	FY 2025-26 (Approved Loss Levels)	FY 2026-27 Loss level (L)
EHT (transmission system) including External losses*	3.62%	3.70%
33 kV	4.18%	3.57%
11 kV	5.23%	4.47%
LT	6.06%	5.18%

\* EHT Voltage level losses have been considered 3.70% for FY 2026-27

- 12.2.7 The Licensees has uniformly spread cost of transmission over all consumers at each voltage level, as the transmission network is utilized by all the consumers. Therefore, similar to wheeling costs transmission charges for FY 2026-27 are worked out as under:

**Table 154: Transmission Charges in Rs./kWh for FY 2026-27**

Particulars	Unit	Quantity
PGCIL Charges	Rs. Crore	3,367.11
MPPTCL Charges including SLDC Charges	Rs. Crore	6,356.42
<b>Total Charges</b>	<b>Rs. Crore</b>	<b>9,723.53</b>
Units to be handled	MU	101,098.12
<b>Transmission Charges per unit</b>	<b>Rs/kWh</b>	<b>0.96</b>

- 12.2.8 The Licensees have considered the Wheeling charges as determined for consumers connected at 33 kV, 11kV and LT, in the above section.
- 12.2.9 Thereafter the licensees have determined the Average Tariff for different categories, from expected revenue for FY 2026-27 as shown in the following table:

**Table 155: Average Billing Rate (ABR) for FY 2026-27 at proposed tariff (Rs. /kWh)**

Category of consumers	Average Tariff 'T' (Rs Per Unit)
LV-1: Domestic	7.38
LV-2: Non Domestic	10.36
LV-3: Public Water works and Street Light	7.68
LV-4: LT Industries	10.02
LV-5: Agriculture & allied activities	7.28
LV-6: E-Vehicle/ E-Rickshaws Charging Stations	7.83
HV-1: Railway Traction	6.82
HV-2: Coal Mines	9.59
HV-3: HT Industrial, Non-Industrial and Shopping Malls	
<i>HV-3.1: Industrial</i>	8.49
<i>HV-3.2: Non-Industrial</i>	9.72
<i>HV-3.3: Shopping Malls</i>	8.95
<i>HV-3.4: Power Intensive Industries</i>	6.27
HV-4: Seasonal & Non Seasonal	11.47
HV-5: Irrigation, Public Water Works and Other than Agricultural	8.91
HV-6: Bulk Residential Users	8.46
HV-7: Synchronization and Start-Up Power	13.17
HV 8: E-Vehicle/ E-Rickshaws Charging Stations	7.74
HV 9: Metro Rail	9.10

- 12.2.10 As per the MPERC (Terms and Conditions for Intra-State Open Access in Madhya Pradesh) Regulations, 2021 and amendments thereof, the consumers other than Renewable Energy users with contract demand of 1 MW and above are allowed Open Access. These consumers are to be connected at 33 kV or above as per Madhya Pradesh Electricity Supply Code, 2021 as amended from time to time.

- 12.2.11 Further, Renewable Energy Generators and users having capacity of 100 kW or above are also eligible for Open Access, subject to no operational constraints in the Licensee’s system as per MPERC (Terms and Conditions for Intra-State Open Access in Madhya Pradesh) Regulations, 2021 and MPERC (Methodology for determination of Open Access charges and Banking charges for Green Energy Open Access consumers) Regulations, 2023 and amendments thereof {hereinafter referred to as MPERC (Intra-State or Green Energy Open Access) Regulations}.
- 12.2.12 In accordance with the above provisions, the total charges (Rs/unit) i.e.  $[C / (1-L/100) + D + R]$  for various LT & HT categories are to be computed as per applicable cost and eligibility as per the MPERC (Intra-State or Green Energy Open Access) Regulations
- 12.2.13 The Cross- Subsidy Surcharge shall be the difference of average tariff (T) and the total charges (Rs/unit) for that particular category at particular voltage level to be computed based on cost component determined above depending upon its applicability as per MPERC (Intra-State or Green Energy Open Access) Regulations. However, Cross-Subsidy surcharge is not to exceed 20% of the average cost of supply for the consumers seeking Open Access as per MYT Regulations, 2021 and amendments thereof. In case where Cross-Subsidy Surcharge, based on above methodology, works out to be negative, the same shall be considered as zero for billing purposes.

**Illustrations for computation of Cross Subsidy Surcharge**

- 12.2.14 Illustration-1: Both Generator and consumer are connected to transmission network (132 kV or above)
- 12.2.15 Illustration-2: Generator is connected to Transmission network (EHT voltages), while the consumer is connected to the distribution network at 33 kV of Distribution Licensee.
- 12.2.16 Illustration-3: Generator is connected to Transmission network, while the consumer is connected to the distribution network at LT of Distribution Licensee.

**Table 156: Illustrations of Computation of Cost for Cross Subsidy Surcharge (Rs. per unit)**

Illustration	Wt. Average rate of power purchase (Rs. /unit)	Cost of Power grossed up for transmission losses (3.70%)	Cost of Power grossed up for distribution losses (33kV-3.57%) (LT- 13.21%)	Transmission charges (Rs. per unit)	Wheeling charges at 33 kV (Rs. per unit)	Total Cost
						$[C/(1-L/100) + D+R]$
1	3.84	3.99	-	0.96	-	4.95
2	3.84	3.99	4.14	0.96	0.18	5.28
3	3.84	3.99	4.34	0.96	0.72	6.01
4	3.84	3.99	4.60	0.96	1.17	6.73

**Table 157: Category wise Cross Subsidy Surcharge as per above Illustrations (Rs. Per unit)**

Category of HT/EHT consumers	Average Tariff 'T' (Rs Per Unit)	Ceiling 20% of AcoS (Rs/Unit)	CSS (Rs/Unit)	Applicable CSS (Rs/Unit)
<b>Illustration 3</b>				
LV-1: Domestic	7.38	1.57	0.65	0.65
LV-2: Non Domestic	10.36	1.57	3.63	1.57
LV-3: Public Water Works & Street Light	7.68	1.57	0.95	0.95
LV-4: LT Industrial	10.02	1.57	3.29	1.57
LV 6: E-Vehicle/ E-Rickshaws Charging Stations	7.28	1.57	0.55	0.55
<b>Illustration 1</b>				
HV-1: Railway Traction	6.82	1.57	1.87	1.57
<b>Illustration 2</b>				
HV-2: Coal Mines	9.59	1.57	4.31	1.57
HV-3.1: Industrial	8.49	1.57	3.21	1.57
HV-3.2: Non Industrial	9.72	1.57	4.44	1.57
HV-3.3: Shopping Malls	8.95	1.57	3.68	1.57
HV-3.4: Power Intensive Industries	6.27	1.57	0.99	0.99
HV-4: Seasonal & Non Seasonal	11.47	1.57	6.20	1.57
HV-5: Irrigation, Public Water Works and Other than Agricultural	8.91	1.57	3.64	1.57
HV-6: Bulk Residential Users	8.46	1.57	3.18	1.57
HV-7: Synchronization and Start-Up Power	13.17	1.57	7.90	1.57
HV 8: E-Vehicle/ E-Rickshaws Charging Stations	7.74	1.57	2.46	1.57
HV 9: Metro Rail	9.10	1.57	3.82	1.57

### 12.3 Additional Surcharge

12.3.1 The Petitioners have computed the additional surcharge by considering the weighted average monthly fixed rate of surrendered power, which is based on daily weighted fixed rate of the generating station in the surrendered power. The Petitioner worked-out additional surcharge is shown in the Table below:

**Table 158: Additional Surcharge for FY 2026-27**

S. No.	Months	Energy entitlement (MU)	Energy Scheduled (MU)	Energy Surrendered (MU)	Effective Fixed Cost Applied (Rs/Unit)	OA Units (MU)	Cost of Backdown Energy Surrendered due to Open Access (Rs. Cr.)
1	2	3	4	5=3-4	6	7	8= (7*6/10)
1	Sep-24	6,120.93	5,106.55	1,014.38	3.18	0.95	0.30
2	Oct-24	7,229.76	5,925.38	1,304.38	1.30	1.07	0.14
3	Nov-24	7,783.52	6,756.16	1,027.36	1.20	1.13	0.14
4	Dec-24	7,843.43	6,731.25	1,112.18	1.14	1.14	0.13
5	Jan-25	7,827.67	6,982.00	845.67	1.21	1.13	0.14
6	Feb-25	7,266.23	6,929.93	336.30	1.51	1.82	0.27

S. No.	Months	Energy entitlement (MU)	Energy Scheduled (MU)	Energy Surrendered (MU)	Effective Fixed Cost Applied (Rs/Unit)	OA Units (MU)	Cost of Backdown Energy Surrendered due to Open Access (Rs. Cr.)
1	2	3	4	5=3-4	6	7	8= (7*6/10)
7	Mar-25	7,423.66	6,585.22	838.44	0.97	0.19	0.02
8	Apr-25	7,881.87	6,983.19	898.68	-	-	-
9	May-25	7,944.86	6,476.31	1,468.56	-	-	-
10	Jun-25	7,503.58	5,706.98	1,796.60	-	-	-
11	Jul-25	6,837.30	5,488.90	1,348.40	-	-	-
12	Aug-25	7,152.28	5,330.82	1,821.46	-	-	-
		<b>88,815.11</b>	<b>75,002.69</b>	13,812.42		<b>7.42</b>	<b>1.13</b>
<b>Additional Surcharge on OA Consumers (Rs./Unit) = (8/7*10)</b>							<b>1.53</b>

12.3.2 In view of above, the Petitioners have determined the additional surcharge of **Rs 1.53 per unit** based on the power drawn by the Open Access consumers detailed calculation of which is being submitted in softcopy along with this Petition by the Petitioners.

### **A13: VOLTAGE WISE COST OF SUPPLY**

- 13.1 The Petitioners have worked out indicative category-wise cross subsidy based on voltage-wise cost of supply in spite of constraints in terms of segregation of voltage-wise losses and capital expenditure related costs. The Hon'ble APTEL in its judgement passed in Appeal No. 103 of 2010 and IA Nos. 137 & 138 of 2010 in previous Tariff Orders had concluded that the mandate of the Tariff Policy to limit cross subsidies within (+/-) 20% of the overall average cost of supply can be applied to determine the category wise retail tariff. However, determination of voltage-wise cost of supply is required to evaluate cross subsidies prevalent at various voltages. The voltage-wise cost of supply serves as a guiding tool to gradually reduce cross subsidies at various voltage levels.
- 13.2 Since the requisite data for determination of voltage wise cost of supply is generally not maintained by distribution licensees, the Hon'ble APTEL had further advised that the power purchase cost, which is the major component of the DISCOMs' costs, can be apportioned to different voltage levels in proportion to the sales and losses at the respective voltage levels. As regards the other costs such as Return on Equity, Interest on Loan, depreciation, Interest on Working Capital and O&M costs, etc., these costs can be pooled and apportioned equitably, on pro-rata basis to all voltage levels.
- 13.3 The Petitioners submit that determination of voltage-wise losses requires detailed technical studies of the distribution network which will be conducted within definite time frame. In order to work out category-wise cross subsidy based on voltage-wise cost of supply the Petitioners have attempted to determine the same based on the methodology adopted by the Hon'ble Commission. The voltage-wise cross subsidy so computed is indicative in nature and not accurate, as the base data for the same needs to be worked out based on actuals.
- 13.4 The methodology for determination of voltage-wise cost of supply adopted by the Petitioners is as follows:
1. Voltage-wise cost of supply has been computed for above 33 kV and 33 kV and 11 kV (inclusive of LT) categories only.
  2. Sales as projected for above 33 kV and 33 kV, and 11 kV (inclusive of LT) categories have been considered.
  3. Losses as specified in the MYT Regulations, 2021 and amendments thereof for FY 2025-26 have been considered.
  4. Total losses have been segregated voltage-wise for above 33 kV, 33 kV and 11 kV (inclusive of LT).
  5. The breakup of technical and commercial losses at 11 kV + LT System is not available, 50% of the loss at this voltage level has been assumed as purely technical loss and remaining 50% loss has been assumed as commercial loss which has been loaded to various voltage levels in the proportion of their sales.
  6. Power purchase costs at the DISCOMs periphery for above 33 kV, 33 kV and 11 kV (inclusive of LT) based on the voltage-wise input energy have been considered. All other costs of the DISCOMs are allocated based on the sales to each voltage-level.

7. Voltage-wise cost so derived has been divided by voltage-wise sales for working out the voltage-wise cost of supply.

13.5 Based on the above methodology, the Petitioner has computed the indicative voltage-wise cost of supply and commensurate cross-subsidy as shown in the table below:

**Table 159: Voltage Wise Cost of Supply Calculation for MP State for FY 2026-27**

Sr. No	Particulars	UoM	EHT System (400 kV, 220 kV & 132 kV)	33 kV System	11 kV + LT System	Total
<b>A</b>	<b>MP State</b>					
<b>1</b>	<b>Sales</b>	<b>MUs</b>	<b>7,531</b>	<b>11,580</b>	<b>64,334</b>	<b>83,444</b>
2	Loss %	%	3.70%	3.57%	9.64%	17.46%
<b>3</b>	<b>Energy Input</b>	<b>MUs</b>	<b>7,820</b>	<b>12,470</b>	<b>80,808</b>	<b>101,098</b>
4	Energy Lost (Technical up to 33 kV voltage & 11 kV +LT technical and Commercial)	MUs	289	890	16,474	
5	Commercial Loss assumed as 50% of 11 kV and LT overall losses	MUs			8,237	
6	Balance 50% Commercial loss for all voltage in proportion to Sales	MUs	743	1,143	6,351	
<b>7</b>	<b>Net Energy Input</b>	<b>MUs</b>	<b>8,563</b>	<b>13,613</b>	<b>78,922</b>	<b>101,098</b>
8	Power Purchase Costs - allocated based on voltage-wise losses	Rs Cr	4,113	6,538	37,903	48,553
9	Other costs - allocated based on voltage-wise sales	Rs Cr	1,590	2,444	13,580	17,614
10	Less: Other income - allocated based on voltage-wise sales	Rs Cr	72	110	611	793
<b>11</b>	<b>Total Costs (ARR requirement)</b>	<b>Rs Cr</b>	<b>5,631</b>	<b>8,872</b>	<b>50,872</b>	<b>65,374</b>
<b>12</b>	<b>VCoS</b>	<b>Rs/k Wh</b>	<b>7.48</b>	<b>7.66</b>	<b>7.91</b>	<b>7.83</b>

13.6 Consumer category-wise approximate cross-subsidy, computed based on voltage-wise cost of supply for FY 2026-27 is shown in the Table below:

**Table 160: Cross-subsidy based on voltage-wise cost of supply for FY 2026-27 for MP State**

Tariff Categories	VCoS (Rs./Unit)	Average Billing Rate (Rs./unit)	Ratio of Average Billing Rate to Voltage-Wise Cost of Supply (%)
LV-1: Domestic	7.91	7.38	93%
LV-2: Non Domestic	7.91	10.36	131%

Tariff Categories	VCoS (Rs. /Unit)	Average Billing Rate (Rs. /unit)	Ratio of Average Billing Rate to Voltage-Wise Cost of Supply (%)
LV-3: Public Water Works & Street Light	7.91	7.68	97%
LV-4: LT Industrial	7.91	10.02	127%
LV-5: Agriculture	7.91	7.28	92%
LV 6: E-Vehicle/ E-Rickshaws Charging Stations	7.91	7.83	99%
HV-1: Railway Traction	7.48	6.82	91%
HV-2: Coal Mines	7.57	9.59	127%
HV-3.1: Industrial	7.61	8.49	112%
HV-3.2: Non Industrial	7.67	9.72	127%
HV-3.3: Shopping Malls	7.68	8.95	117%
HV-3.4: Power Intensive Industries	7.58	6.27	83%
HV-4: Seasonal & Non Seasonal	7.66	11.47	150%
HV-5: Irrigation, Public Water Works and Other than Agricultural	7.58	8.91	118%
HV-6: Bulk Residential Users	7.68	8.46	110%
HV-7: Synchronization and Start-Up Power	7.69	13.17	171%
HV 8: E-Vehicle/ E-Rickshaws Charging Stations	7.66	7.74	101%
HV 9: Metro Rail	7.48	9.10	122%
<b>Total</b>	<b>7.83</b>	<b>7.83</b>	<b>100%</b>

13.7 The average cost of supply for FY 2026-27 works out to **Rs. 7.83 per unit**.

13.8 While determining the tariffs for FY 2026-27, the Petitioners have given due consideration to the provision of the Electricity Act, 2003 that consumer tariff should reflect the cost of supply. The average cost of supply for FY 2026-27 works out to Rs. 7.83 per unit as against Rs. 7.14 per unit for FY 2025-26. The Table below shows the cost coverage (Average realization as percentage of Average cost of supply) on account of tariff proposed for FY 2026-27, as compared to the cost coverage approved in the Tariff Order for FY 2025-26:

**Table 161: Comparison of tariff v/s overall average cost of supply**

Tariff Categories	Average Realization as % of Average CoS		Average Billing Rate (ABR) (Rs. /Unit)	Average Cost of Supply (ACoS) (Rs. /Unit)
	FY 2025-26	FY 2026-27		
	(As per Tariff Order)	(As proposed in this Petition)		
<b>LV- Categories</b>				
LV-1: Domestic	95%	94%	7.38	
LV-2: Non-Domestic	134%	132%	10.36	
LV-3: Public Water Works & Street Light	98%	98%	7.68	
LV-4: LT Industrial	130%	128%	10.02	
LV-5: Agriculture	90%	93%	7.28	
LV-6: E-Vehicle/ E-Rickshaws Charging Stations	100%	100%	7.83	
<b>Total LT</b>	<b>97%</b>	<b>98%</b>	<b>7.67</b>	

Tariff Categories	Average Realization as % of Average CoS		Average Billing Rate (ABR) (Rs. /Unit)	Average Cost of Supply (ACoS) (Rs. /Unit)
	FY 2025-26	FY 2026-27		
	(As per Tariff Order)	(As proposed in this Petition)		
<b>HV- Categories</b>				<b>7.83</b>
HV-1: Railway Traction	75%	87%	6.82	
HV-2: Coal Mines	124%	122%	9.59	
HV-3.1: Industrial and Industrial and HV-3.4: Power Intensive Industries	108%	105%	8.22	
HV-3.2: Non-Industrial and HV-3.3: shopping malls				
HV-4: Seasonal & Non-Seasonal	114%	146%	11.47	
HV-5: Irrigation, Public Water Works and Other than Agricultural	118%	114%	8.91	
HV-6: Bulk Residential Users	111%	108%	8.46	
HV 8: E-Vehicle/ E-Rickshaws Charging Stations	100%	99%	7.74	
HV 9: Metro Rail	100%	116%	9.10	
<b>HT Total</b>	<b>109%</b>	<b>107%</b>	<b>8.36</b>	
<b>Total (LT+HT)</b>	<b>100%</b>	<b>100%</b>	<b>7.83</b>	

## **A14: TARIFF PROPOSAL FOR FY 2026-27**

### **14.1 Revenue at Current & Proposed Tariffs**

14.1.1 It is submitted that there has not been any substantial tariff hike for the years the past years in the State of Madhya Pradesh which has severely affected the financial health t is respectfully submitted that over the past several years, there has been no significant increase in electricity tariffs in the State of Madhya Pradesh, which has gravely impacted the financial stability and viability of the Distribution Companies (Discoms). Specifically, in FY 2021-22, the tariff was increased by a mere 0.63%, followed by modest hikes of 2.64% in FY 2022-23, 1.65% in FY 2023-24, 0.07% in FY 2024-25, and 3.46% in FY 2025-26. Such minimal increments, though reflective of the Hon'ble Commission's intent to provide relief to consumers, have unfortunately not kept pace with the rapidly escalating costs faced by the Discoms. The Discoms are currently confronted with significant operational and financial challenges arising from persistent inflationary pressures that continuously increase the cost of goods and services essential for maintaining reliable supply. Additionally, there is a sustained increase in overall power demand which necessitates higher levels of power procurement and system maintenance. Compounding these challenges are the ambitious normative loss reduction trajectories and stringent benchmarks approved by the Hon'ble Commission, which require substantial investment and efficient execution, thereby increasing expenditure. Moreover, the Discoms are obligated to align with the policy objectives laid down by the State and Central Governments, including the implementation of various reforms and infrastructure development schemes, which further strain their financial resources. In the face of these multifaceted pressures and the absence of adequate tariff revisions, the Discoms are finding it increasingly difficult to sustain their operations and discharge their duties effectively. Therefore, it is humbly prayed that the Hon'ble Commission acknowledges these realities and approve the necessary revision in existing tariff.

14.1.2 As elaborated at different section of this Petitions that due to various reasons beyond the control of the Petitioners the ARR mainly power purchase expenses has increased over the years. Further, considering the impact of past True-up of Discoms and supplementary bills as available with the Licensee, they have worked out the net ARR for FY 2026-27 as Rs. 65,374 Crore. Considering the sales as estimated for FY 2026-27 and the tariff for different categories as approved for FY 2025-26, the Petitioners have worked out the revenue from existing tariff as Rs. 59,331 Crore for FY 2026-27. Accordingly, there will be a revenue gap of Rs. 6,044 Crore for FY 2026-27.

14.1.3 In order to bridge the revenue gap, it is necessary for the licensee to seek an appropriate hike in the tariff, up to the level as proposed and detailed in this petition.

14.1.4 In view of the above submission, the Petitioners are proposing a hike of around 10.19% for FY 2026-27. The category wise tariff hike has been considered by the Petitioners keeping the mandate to bring the cross subsidy within  $\pm 20\%$  of the average cost of

supply for the year. It is submitted that it would just not be possible for the Discom's to maintain its operational viability at the least, without an appropriate hike in the retail tariff sought through this Petition.

14.1.5 A summary of the revenue at current tariff and proposed tariff is given in the Table below:

**Table 162: Summary of proposed tariff for FY 2026-27 (Rs. Crores)**

Particulars	Unit	MP State	East	Central	West
ARR	Rs Crs.	65,374	18,540	20,726	26,108
Revenue at Current Tariffs	Rs Crs.	59,331	16,826	18,810	23,694
Revenue Gap at Current Tariff (Including True-Up)	Rs Crs.	6,044	1,714	1,916	2,414
Revenue at Proposed Tariffs	Rs Crs.	65,374	18,540	20,726	26,108
Revenue Gap at Proposed Tariff	Rs Crs.	0.00	0.00	0.00	0.00

14.1.6 The Table below shows the summary of category-wise revenue at current tariff vis-a-vis proposed tariff along with category-wise average tariff hike as proposed for FY 2026-27:

**Table 163: Category-wise proposed revenue for FY 2026-27 (Rs. Crores)**

Tariff Category		Sale	Revenue at Current Tariff	Revenue at Proposed Tariff	Additional Revenue at proposed Tariff	Proposed Average increase in Tariff category
		MU	Rs. Cr	Rs. Cr	Rs. Cr	%
LV 1	Domestic	21,899	14,785	16,158	1,373	9.29%
LV 2	Non-Domestic	5,319	5,068	5,512	444	8.75%
LV 3	Public Water Works & Street Light	2,730	1,874	2,097	223	11.90%
LV 4	LT Industrial	1,721	1,596	1,725	129	8.07%
LV 5	Agriculture and Allied Activities	31,540	20,180	22,970	2,790	13.82%
LV 6	E Vehicle/E-Rickshaws Charging Stations	12.48	8.91	9.78	0.9	9.73%
	<b>(LT)</b>	<b>63,222</b>	<b>43,513</b>	<b>48,472</b>	<b>4,959</b>	<b>11.40%</b>
HV 1	Railway Traction	55	36	38	2	5.31%
HV 2	Coal Mines	510	460	489	29	6.28%
HV 3.1	Industrial	11,820	9,445	10,030	585	6.19%
HV 3.2	Non-Industrial	1,709	1,557	1,661	105	6.73%
HV 3.3	Shopping Mall	104	87	93	6	6.69%
HV 3.4	Power Intensive Industries	2,963	1,660	1,858	199	11.96%
HV 4	Seasonal	37	42	43	1	3.15%
HV 5	Irrigations, Public Water Works and other than Agricultural	2,515	2,105	2,242	137	6.53%
HV 6	Bulk Residential Users	445	357	376	19	5.35%
HV 7	Synchronization of Power for Generators connected to the Grid	41	51	54	3	5.70%

HV 8	E Vehicle /E-Rickshaws Charging Stations	13	9	10	1	9.86%
HV 9	HV-9: Metro Rail	10	10	9	-1	-12.36%
	<b>(HT)</b>	<b>20,223</b>	<b>15,818</b>	<b>16,903</b>	<b>1,085</b>	<b>6.86%</b>
	<b>LT+HT</b>	<b>83,444</b>	<b>59,331</b>	<b>65,374</b>	<b>6,044</b>	<b>10.19%</b>

14.1.7 The Discom wise details of revenue at current vis-à-vis revenue at proposed tariff is given below:

**Table 164: Discom-wise proposed revenue for FY 2026-27 (Rs. Crores)**

Tariff Category/ Sub-category		MP State		East Discom		Central Discom		West Discom	
		Rev. at Current Tariffs	Rev. at Proposed tariffs	Rev. at Current Tariffs	Rev. at Proposed tariffs	Rev. at Current Tariffs	Rev. at Proposed tariffs	Rev. at Current Tariffs	Rev. at Proposed tariffs
LV-1	Domestic	14785	16158	4801	5269	4779	5212	5205	5677
LV-2	Non-Domestic	5068	5512	1587	1725	1555	1690	1926	2097
LV-3	Public Waterworks & Street Light	1874	2097	624	695	499	559	751	843
LV-4	LT Industry	1596	1725	480	519	356	385	761	822
LV-5	Agriculture	20180	22970	5109	5813	7307	8317	7765	8841
LV-6	EV Charging	9	10	2	2	2	2	5	5
	<b>LT</b>	<b>43,513</b>	<b>48,472</b>	<b>12,602</b>	<b>14,023</b>	<b>14,497</b>	<b>16,164</b>	<b>16,413</b>	<b>18,284</b>
HV-1	Railway Traction	36	38	0	0	36	38	0	0
HV-2	HV 2: Coal Mines	460	489	437	464	23	25	0	0
HV-3.1	Industrial Use	9445	10030	2772	2967	2610	2716	4063	4347
HV-3.2	Non-Industrial	1557	1661	333	355	593	635	630	671
HV-3.3	Shopping mall	87	93	9	9	34	37	44	47
HV-3.4	Power Intensive Industries	1660	1858	175	196	446	504	1039	1158
HV-4	Seasonal & Non-Seasonal	42	43	23	24	6	6	13	13
HV-5	PWW Works & Other Agri.	2105	2242	261	277	435	465	1408	1500
HV-6	Bulk Residential Users	357	376	204	214	120	127	34	36
HV-7	RECs/Synchro of power for Generator connected to Grid	51	54	11	11	5	6	35	37
HV-8	EV Charging	9	10	0	0	2	2	7	8
HV-9	Metro Rail	10	9	0	0	3	2	8	7
	<b>HT</b>	<b>15,818</b>	<b>16,903</b>	<b>4,224</b>	<b>4,517</b>	<b>4,313</b>	<b>4,562</b>	<b>7,281</b>	<b>7,824</b>
	<b>(LT+HT)</b>	<b>59,331</b>	<b>65,374</b>	<b>16,826</b>	<b>18,540</b>	<b>18,810</b>	<b>20,726</b>	<b>23,694</b>	<b>26,108</b>

## 14.2 Salient Features of the Tariff Proposal

14.2.1 In order to meet out the Revenue gap, the licensees have proposed nominal hike in tariff rates along with certain changes in other terms and conditions of LT and HT tariff. The various proposals are being made taking cognizance of the consumer's demand to reduce complexity in Tariff. Further, MoP has issued "Consumer Service Rating Report" for Discoms wherein weightage has been given to number of tariff categories in such a fashion that the Discoms with least number of tariff categories including sub-

categories and slab will get highest mark and vice-a-versa. Further, MoP has also issued Electricity (Rights of Consumers) Amendment Rules, 2023 which stipulates provision for Time-of-Day Tariff. Further, the Electricity Rules, 2022 and subsequently the Standard Operating Procedure (SOP) as issued by MoP for subsidy accounting and disbursement requires certain necessary changes in the Tariff Structure of unmetered agricultural consumers. Further, based on energy surplus scenario in the State of MP, some rebates to HV industries were introduced to promote industrialization. The rebates are proposed to be continued for FY 2026-27 also. In view of the above, and submissions in the previous chapters of this Petition the required changes have been proposed.

14.2.2 The salient features of the proposed changes are elaborated below:

**1. Simplification of Tariff slabs in LV-1.2 Domestic Tariff:**

**Reasons for proposed changes:** For the purpose of Simplification of Domestic Tariff sub-categories, it is proposed to modify the tariff slab “151 - 300 unit” as “Above 151 units” and removal of “Above 300 units slab”.

**2. Merging of slabs under Tariff Sub-Categories of LV-5**

**Reasons for proposed changes:** For the ease of implementation of provision of the Electricity Rules, 2022 and subsequently the Standard Operating Procedure (SOP) as issued by MoP for subsidy accounting and disbursement, it is proposed to merge the slab under Tariff Sub-Categories of LV-5. The proposed tariff has been worked out by following the revenue neutral approach for revenue from all the slabs in the proposed tariff. The tariff for temporary connections under these categories are proposed @ 1.25 times of the normal tariff under these categories.

**3. Introducing kVAh billing for HT category:**

**Reasons for proposed changes:** In view of the advantages of kVAh billing for Consumers as well as the Licensee, it is proposed to implement the kVAh billing in HT category. The kVAh billing will also simplify the complex structure of the billing and encompass the automatic penalties and incentives on account of Power Factor of the consumers. kVAh Tariff is being designed for HT consumers considering suitable conversion factor after careful study of tariff neutrality at kVAh & kWh factoring in the existing applicable pf incentives/surcharges.

**4. Continuation of Tariff for supply through DTR meters for cluster of Jhuggi/Jhopadi:**

**Reasons for proposed changes:** The cluster of Jhuggi/Jhopadi consumers meters are installed at DTR locations. Till the time proper electrification of these declared/undeclared illegal colony and meterisation of consumers thereon is achieved it is proposed to continue the tariff category for supply through DTR meters for cluster of Jhuggi/Jhopadi. The tariff for consumers of Cluster of Jhuggi/Jhopadi being supplied

through DTR meters is proposed to be kept at a rate lower than the ABR for domestic category i.e. at the landed cost of power at Discom boundary.

**5. Restructuring of TOD Tariff for HT Consumers:**

**Reasons for proposed changes:** During non-solar hours mainly from 10:00 PM to 6:00 AM, it has been analysed that the percentage of generation contributed from MOD stations is highest. This implies that due to absence of RE power mainly solar, the demand during such non-solar hours is met by scheduling costlier generation lying in the MOD stack resulting in higher power purchase cost in such hours. Providing rebates during such hours not only impact the cost reflective tariff recovery but also unnecessarily burdens the general consumers of the State. Therefore, with the objective to optimise the power purchase cost, it is proposed to withdraw the TOD rebates applicable during 10:00 PM to 6:00 AM next day from FY 2026-27.

**6. Continuation of Time-of-Day (ToD) Rebate for Low Voltage Consumers with Smart Meters having Sanctioned Load/Contract Demand upto 10kW:**

**Reasons for proposed changes:** To encourage the adoption of smart meters among consumers with a sanctioned load/contract demand upto 10 kW, the existing ToD rebate of 20% on the normal energy charge during Solar hours (Off-peak-9AM to 5 PM) is proposed to be continued for FY 2026-27.

**7. Green Energy Charges:** In line with the previous submission, the Petitioners for FY 2026-27 have also wish to propose Green Energy Charges/Tariff for the purpose of reducing their carbon footprint and seeking Certification to this effect.

**8. Rebate to existing HV 3 category consumers (all sub-categories):** The rebate for incremental consumption for HV -3 category consumers (Industrial, Non-industrial, Shopping Malls and Power Intensive) has been extended for FY 2026-27 at Rs. 1 per unit for the incremental consumption with modification in the consideration of base year for the purpose of calculation of incremental consumption rebate.

**9. Rebate for new HT connections under HV 3 category (all sub-categories):** The prevailing rebate for new HT connections under HV-3 category (Industrial, Non-industrial, Shopping Malls and Power Intensive) has been extended for FY 2026-27 with proviso that such rebate shall not be allowed after the period of Ten years (120 Months) from the date of connection.

**10. Other rebates for HV-3 category consumers:** The duration of rebate for captive power plant consumers, open access consumers and rebate for conversion of existing LT Industrial/Non-domestic connection to corresponding HT connection has been extended to FY 2026-27. However, as kVAh billing is proposed for HT consumers, the existing provision of PF incentives/rebates and penalties is proposed to be omitted.

**A15: INTRODUCTION TO KVAH BASED BILLING TO HT CONSUMERS**

- 15.1 The Petitioners wish to submit that electrical energy has two components, i.e., Active Energy (kWh) and Reactive Energy (kVARh). The active power also called as real power is consumed and converted into useful work for creating heat, light and motion. The Active power is measured in kilo Watt (kW) and is totalized by the energy meter in kilo watt hour (kWh). Whereas Reactive power is used to provide the electromagnetic / electrostatic field in inductive and capacitive equipment like motors, air conditioners, fans and is measured in kVAR (lag/ lead). Further, the Reactive Power is totalized by the energy meter as kVARh. Vector sum of these two components is called as Apparent Energy & is measured in terms of kVAh.
- 15.2 Both Active (kWh) and Reactive (kVARh) energies are consumed simultaneously. Reactive Energy (kVARh) occupies the capacity of electricity network and reduces the useful capacity of system for generation and distribution & hence its consumption also needs to be billed. The source of most reactive currents is the poor power factor loads (equipment) connected at consumer premises. As these loads are not compensated by appropriate capacitor installation by consumers, utilities are burdened for installation of capacitors.
- 15.3 In the State of Madhya Pradesh, as per existing mechanism the billing of all consumers is done on the basis of active power which is measured in kWh. As far as Reactive power is concerned, the same is governed through Power Factor Incentive and Penalty mainly applicable for LT consumer (other than LV:1 Domestic consumers) and HT consumers.
- 15.4 The Hon'ble Commission vide its Order dated 29<sup>th</sup> June 2005 in Petition No. 03/2005 had introduced the mechanism to incentivize HT and LT consumers if they maintain average monthly power factor above specified percentage and penalize if the average monthly power factor fall below specified percentage. Subsequently, the Hon'ble Commission stringent the norms for power factor incentives and penalties in its subsequent Tariff Orders. Presently, the HT consumers are eligible for incentives if they maintain average monthly power factor above 95 percent and shall be penalize if their average monthly power factor fall below 90 percent. The relevant provision of power factor incentives and penalty from the Tariff Order of FY 2025-26 is as reproduced below:

*“1.9 Power Factor Incentives:**Power factor incentives shall be payable as follows:*

<i>Average Monthly Power Factor</i>	<i>Percentage incentive payable on billed energy charges on the basis of energy actually consumed</i>
96%	1.0 (one percent)
97%	2.0 (two percent)
98%	3.0 (three percent)
99%	5.0 (five percent)
100 %	7.0 (seven percent)

1.15 Power Factor Penalty (For HT consumers other than Railway Traction HV-1)

- (i) *If the average monthly power factor of the consumer falls to 89% or below, the consumer shall be levied a penalty @ 1% (one percent), for each one percent fall in his average monthly power factor below 90 percent, on amount of bill under the head of “Energy Charges”:*
- (ii) *If the average monthly power factor of the consumer falls to 84% or below, the consumer shall be levied a penalty of 5% (five percent) plus @ 2% (two percent) for each one percent fall in his average monthly power factor below 85 percent on the amount of bill under the head of “Energy Charges”. This penalty shall be subject to the condition that overall penalty on account of low power factor does not exceed 35%.*
- (iii) *Should the average monthly power factor fall to below 69% or below, the Distribution Licensee reserves the right to disconnect the consumer’s installation till steps are taken to improve the same to the satisfaction of the Distribution Licensee. This is, however, without prejudice to the levy of penalty charges for low power factor in the event of supply not being disconnected.*
- (iv) *.....”*

15.5 The Petitioners have earlier proposed to implement kVAh billing initially for HT consumers in the previous tariff proceedings. Based on the Portioner’s proposal, the Hon’ble Commission have received mixed response from the stakeholders during the previous Tariff proceedings. Accordingly, the Hon’ble Commission in its previous Order has directed the Petitioners to carry out impact assessment study on transition from kWh billing to kVAh billing and also to conduct consumer awareness programs across the State to explain the concept of kVAh billing and its implications to consumers of relevant categories. The Petitioners have carried consumer awareness program for HT consumers in which Discoms has conveyed the benefits of kVAh billing via mobile SMS and have conducted awareness program in various industrial area.

15.6 The Petitioners hereby wish to submit that considering long pending demand of the stakeholders and complying to the directives of the Hon’ble Commission, the kVAh billing may be introduced in the State for HT consumers for FY 2026-27.

**15.7 As the incentives and penalties are inbuilt in the kVAh billing it will reduce the complexities in billing and will encourage the consumers to maintain near unity Power factor to achieve loss reduction, improve system stability, power quality and improve voltage profile.**

15.8 The Petitioners wish to submit that at various levels and platforms, the MP-Discoms shown their readiness for implementation of kVAh billing to HT Consumers, where meters can ready extract data suitable for kVAh billing is available.

15.9 Further, many States have already adopted kVAh billing in India, the details of while are as below:

Name of State	Date of Order for kVAh billing
Himanchal Pradesh	18.09.2001
Delhi	2001
Jammu & Kashmir	28.03.2007
Andhra Pradesh	30.03.2011
Haryana	25.07.2012
Uttar Pradesh	31.05.2013
Punjab	22.08.2014
Chhattisgarh	23.05.2015
Bihar	21.03.2016
Maharashtra	30.03.2020

15.10 Further, the category wise status of applicability of kVAh billing for various States is tabulated as below:

Category	MH	AP	CG	Delhi	Gujarat	Haryana	UP	Bihar	J&K
<b>HT Category</b>									
Industrial	Y	Y	Y	Y	X	Y	Y	Y	Y
Commercial	Y	Y	Y	Y	X	Y	Y	Y	Y
Railways	Y	Y	Y	Y	X	Y	Y	Y	Y
Agriculture	Y	Y	Y	X	X	X	X	Y	Y
PWW/LIS	Y	Y	Y	Y	X	X	Y	Y	Y
Temporary	Y	Y	Y	Y	X	X	-	Y	Y
Bulk Supply	Y	Y	Y	X	X	Y	Y	Y	Y
Start Up	-	X	Y	X	X	X	Y	Y	X
<b>LT Category</b>									
Domestic	X	X	X	X	X	X	X	X	X
Non-Domestic/ Commercial	Y	X	X	Y	X	Y	X	Y	X
PWW	Y	X	X	Y	X	X	X	X	X
Agriculture	X	X	X	X	X	X	X	X	X
Industrial	Y	X	X	Y	X	Y	X	Y	X
Street Light	X	X	X	X	X	X	X	X	X

15.11 Further, the Forum of Regulators (FoR) in its report on “Metering Issues” August,2009, has stated that kVAh billing is the new trend in electricity billing, which is adopted worldwide. In the report they have strongly advocated to adopt kVAh billing in India.

15.12 Based on the above, the Petitioners have proposed to implement kVAh billing, like other States, initially for HT consumers considering higher awareness about advantages of maintaining PF among HT consumer groups.

15.13 While proposing the kVAh billing, i.e., in designing kVAh Tariff, the Petitioners have **adopted the principle of revenue neutrality** so that both the licensee as well as consumers are not burdened unnecessarily. **Tariff determined in kVAh is less than kWh tariff by the average power factor.** The methodology as adopted by the Petitioners are explained in subsequent paras:

**Methodology for kVAh tariff determination:**

- I. A conversion factor has been derived for converting energy charge in Rs./kWh to energy charge in Rs./kVAh for the corresponding power factor.

*Following illustration is given for the purpose of understanding:*

*Let assume,*

*a = energy charge in Rs./kWh*

*b = no. of units billed in kWh*

*pf = average monthly power factor*

*i = percentage power factor incentive or penalty for the given month*

*{“ i ” is positive of penalty and negative for incentive}*

*The Energy Charge for kWh units is therefore = a \* b .....(1)*

*After considering power factor incentive or penalty*

*kWh energy charge payable Rs. = a \* b \* (1+i) ..... (2)*

*Now, the units equivalent to kVAh consumption will be = b/pf ..... (3)*

*The revenue neutralized energy charge in Rs./kVAh corresponding to given power factor shall be: c = (2) / (3)*

*Where c = a \* pf \* (1+i) .....(4)*

*Therefore,*

*Revenue neutralized conversion factor for energy charges in Rs./kWh to energy charges in Rs./kVAh is say k as under:*

$$k = \frac{c}{a}$$

$$k = pf * (1 + i) \dots\dots\dots(5)$$

**Sample Calculation:**

*Energy charge (Rs./ kWh) = 6.5*

*Average monthly power factor = 98%*

As per the MYT Tariff Order 2022-23, for 98% monthly average power factor an incentive of 3% is given on energy charge.

After substituting above values in eq. (5)

The revenue neutralized conversion factor for converting energy charges in Rs./kWh to energy charges in Rs./kVAh corresponding to 98% power factor is

$$= 0.98*(1-0.03)$$
$$= 0.9506$$

Accordingly, Energy charges in Rs./kVAh =  $0.9506*6.5$   
= 6.1789

- II. By using the above methodology, revenue neutral conversion factor for each power factor ranging from (1 , 0.99, 0.98.....0.70) is calculated and then energy charges in Rs./kVAh is determined corresponding to each power factor for each sub-category.
- III. Finally, for determining the category wise energy charge in Rs./kVAh, a weighted average of kWh units and energy charge in Rs./kVAh for the full range of power factor is determined.
- IV. After determining the sub-category wise energy charged in Rs./kVAh, sub-category wise conversion factor is determined by taking the ratio of energy charges in Rs./kVAh and energy charges in Rs./kWh of that sub-category.

Following Table summarizes the sample calculation for weighted average energy charges sample categories based on actual data of East, Central and West Discom.

**Table 165: Calculation of sub-category wise energy charges in Rs./kVAh as per weighted average cum revenue neutralize method: East Discom**

Power Factor	% Incentive or Penalty	Revenue neutralize Conversion factor	HV 5.1. A			HV 5.1. B		
			Existing Energy Charges in Rs./KWh	Revenue neutralize Energy Charges in Rs./kVAh	Units Sales (kWh)	Existing Energy Charges in Rs./KWh	Revenue neutralize Energy Charges in Rs./kVAh	Units Sales (kWh)
pf	i	$k = pf * (1+i)$	a	$c = a * k$	d	e	$f = e * k$	g
1	-7%	0.929	6.10	5.42		5.96	5.54	2981046
0.99	-5%	0.940	6.10	5.48		5.96	5.60	10603887
0.98	-3%	0.950	6.10	5.54		5.96	5.66	7340378
0.97	-2%	0.950	6.10	5.54		5.96	5.66	42176434
0.96	-1%	0.950	6.10	5.54		5.96	5.66	12833617
0.95	0	0.950	6.10	5.54	232915	5.96	5.66	23571652
0.94	0	0.940	6.10	5.48	405715	5.96	5.60	10472566
0.93	0	0.929	6.10	5.42	864152	5.96	5.54	10501442
0.92	0	0.920	6.10	5.37	974752	5.96	5.48	8244514
0.91	0	0.910	6.10	5.30	87626	5.96	5.42	6343457
0.9	0	0.901	6.10	5.25		5.96	5.37	8723355
0.89	1%	0.899	6.10	5.24	1680787	5.96	5.36	18195831
0.88	2%	0.898	6.10	5.23	497870	5.96	5.35	31860852
0.87	3%	0.896	6.10	5.23	1268907	5.96	5.34	1649293
0.86	4%	0.895	6.10	5.22	489727	5.96	5.33	10428511
0.85	5%	0.893	6.10	5.21	205361	5.96	5.32	3300229
0.84	7%	0.899	6.10	5.24	398614	5.96	5.36	7957273
0.83	9%	0.905	6.10	5.28	1017900	5.96	5.40	1207357
0.82	11%	0.910	6.10	5.30	1582915	5.96	5.42	4637398
0.81	13%	0.916	6.10	5.34		5.96	5.46	
0.8	15%	0.920	6.10	5.37	208641	5.96	5.48	2183314
0.79	17%	0.925	6.10	5.39		5.96	5.51	2457845
0.78	19%	0.928	6.10	5.41	121369	5.96	5.53	1015447
0.77	21%	0.932	6.10	5.44	570848	5.96	5.56	1186462
0.76	23%	0.935	6.10	5.45		5.96	5.57	1395899
0.75	25%	0.937	6.10	5.46		5.96	5.58	1801956
0.74	27%	0.940	6.10	5.48	274977	5.96	5.60	269859
0.73	29%	0.941	6.10	5.49	47858	5.96	5.61	95921
0.72	31%	0.943	6.10	5.50	712498	5.96	5.62	235804
0.71	33%	0.944	6.10	5.51		5.96	5.63	302269
0.7	35%	0.944	6.10	5.51	300293	5.96	5.63	9950316
<b>Sub category wise energy charges in Rs./ kVAh</b>				<b>5.48</b>	<b>11943725</b>		<b>5.52</b>	<b>243924184</b>

**Table 166: Calculation of sub-category wise energy charges in Rs./kVAh as per weighted average cum revenue neutralize method : CENTRAL DISCOM**

Power Factor	% Incentive or Penalty	Revenue neutralize Conversion factor	HV 3.2.A			HV 3.2.B		
			Existing Energy Charges in Rs./KWh	Revenue neutralize Energy Charges in Rs./kVAh	Units Sales (kWh)	Existing Energy Charges in Rs./KWh	Revenue neutralize Energy Charges in Rs./kVAh	Units Sales (kWh)
pf	i	$k = pf^* (1+i)$	a	$c = a*k$	d	e	$f = e*k$	g
1	-7%	0.929	6.80	6.32	7709153	6.55	6.09	70202862
0.99	-5%	0.940	6.80	6.39	26473954	6.55	6.16	96450205
0.98	-3%	0.950	6.80	6.46	15745579	6.55	6.22	82491445
0.97	-2%	0.950	6.80	6.46	12436815	6.55	6.22	36125985
0.96	-1%	0.950	6.80	6.46	8503526	6.55	6.22	28359168
0.95	0	0.950	6.80	6.46	6662925	6.55	6.22	43220212
0.94	0	0.940	6.80	6.39	7345080	6.55	6.16	18323063
0.93	0	0.929	6.80	6.32	6297845	6.55	6.09	6386559
0.92	0	0.920	6.80	6.26	6890664	6.55	6.03	6663546
0.91	0	0.910	6.80	6.19	2985502	6.55	5.96	3970374
0.9	0	0.901	6.80	6.13	2912678	6.55	5.90	7227779
0.89	1%	0.899	6.80	6.11	3565635	6.55	5.89	5748973
0.88	2%	0.898	6.80	6.10	3188441	6.55	5.88	2006461
0.87	3%	0.896	6.80	6.09	1104033	6.55	5.87	3823361
0.86	4%	0.895	6.80	6.08	774400	6.55	5.86	3171448
0.85	5%	0.893	6.80	6.07	1190536	6.55	5.85	3986365
0.84	7%	0.899	6.80	6.11	668734	6.55	5.89	7401359
0.83	9%	0.905	6.80	6.16	1081411	6.55	5.93	641067
0.82	11%	0.910	6.80	6.19	599718	6.55	5.96	1183410
0.81	13%	0.916	6.80	6.23	170750	6.55	6.00	2437618
0.8	15%	0.920	6.80	6.26	1575316	6.55	6.03	2251022
0.79	17%	0.925	6.80	6.29	249623	6.55	6.06	1536191
0.78	19%	0.928	6.80	6.31	1738	6.55	6.08	2272420
0.77	21%	0.932	6.80	6.34	144713	6.55	6.11	171181
0.76	23%	0.935	6.80	6.36	525825	6.55	6.13	454134
0.75	25%	0.937	6.80	6.37	224997	6.55	6.14	617410
0.74	27%	0.940	6.80	6.39	238073	6.55	6.16	1455468
0.73	29%	0.941	6.80	6.40	15339	6.55	6.17	
0.72	31%	0.943	6.80	6.41	61558	6.55	6.18	275870
0.71	33%	0.944	6.80	6.42	111815	6.55	6.19	343826
0.7	35%	0.944	6.80	6.42	2048082	6.55	6.19	4873374
<b>Sub category wise energy charges in Rs./ kVAh</b>				<b>6.36</b>	<b>121504458</b>		<b>6.15</b>	

Table 167 : Calculation of sub-category wise energy charges in Rs./Kvah as per weighted average cum revenue neutralize method: WEST DISCOM

Power Factor	% Incentive or Penalty	Revenue neutralize Conversion factor	HV 3.1.A			HV 3.1.B		
			Existing Energy Charges in Rs./KWh	Revenue neutralize Energy Charges in Rs./kVAh	Units Sales (kWh)	Existing Energy Charges in Rs./KWh	Revenue neutralize Energy Charges in Rs./kVAh	Units Sales (kWh)
pf	i	$k = pf^* (1+i)$	a	$c = a*k$	d	e	$f = e*k$	g
1	-7%	0.929	6.30	5.85	25901982	6.21	5.77	1861646463
0.99	-5%	0.940	6.30	5.92	62562447	6.21	5.84	653077898
0.98	-3%	0.950	6.30	5.99	40770241	6.21	5.90	273015989
0.97	-2%	0.950	6.30	5.99	30839206	6.21	5.90	145674617
0.96	-1%	0.950	6.30	5.99	18877999	6.21	5.90	80940192
0.95	0	0.950	6.30	5.99	15135968	6.21	5.90	67180443
0.94	0	0.940	6.30	5.92	12277704	6.21	5.84	64896145
0.93	0	0.929	6.30	5.85	7013700	6.21	5.77	36648971
0.92	0	0.920	6.30	5.80	6914085	6.21	5.72	25776680
0.91	0	0.910	6.30	5.73	6994067	6.21	5.65	23043688
0.9	0	0.901	6.30	5.67	5762010	6.21	5.59	22586257
0.89	1%	0.899	6.30	5.67	4496744	6.21	5.58	28447129
0.88	2%	0.898	6.30	5.66	4657236	6.21	5.57	8263184
0.87	3%	0.896	6.30	5.65	2483001	6.21	5.57	5760813
0.86	4%	0.895	6.30	5.64	2650889	6.21	5.56	10901276
0.85	5%	0.893	6.30	5.63	2013384	6.21	5.55	4463847
0.84	7%	0.899	6.30	5.67	2620094	6.21	5.58	2416067
0.83	9%	0.905	6.30	5.70	1027008	6.21	5.62	4232016
0.82	11%	0.910	6.30	5.73	1007353	6.21	5.65	4562069
0.81	13%	0.916	6.30	5.77	461623	6.21	5.69	5023199
0.8	15%	0.920	6.30	5.80	1155835	6.21	5.72	1673103
0.79	17%	0.925	6.30	5.83	1707616	6.21	5.74	1484943
0.78	19%	0.928	6.30	5.85	523717	6.21	5.76	1408103
0.77	21%	0.932	6.30	5.87	642883	6.21	5.79	2127107
0.76	23%	0.935	6.30	5.89	568576	6.21	5.81	1133268
0.75	25%	0.937	6.30	5.90	365124	6.21	5.82	619880
0.74	27%	0.940	6.30	5.92	218274	6.21	5.84	1835493
0.73	29%	0.941	6.30	5.93	519518	6.21	5.85	3732782
0.72	31%	0.943	6.30	5.94	267343	6.21	5.86	452710
0.71	33%	0.944	6.30	5.95	208418	6.21	5.86	617651
0.7	35%	0.944	6.30	5.95	4788597	6.21	5.86	13616456.3
<b>Sub category wise energy charges in Rs./ kVAh</b>				<b>5.90</b>	<b>265432642</b>		<b>5.80</b>	

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- For East Discom, from the above Table 165 the weighted average energy charges for HV 5.1: A is calculated to be Rs. 5.48/kVAh. Accordingly, the conversion factor works out to be 0.940 (i.e., Rs. 5.48 per kVAh/ Rs. 6.10 per kWh). Similarly, the conversion factor for HV 5.1:B works out as 0.926
- Similarly, for Central Discom, from the above Table 166 the weighted average energy charges for HV 3.2:A is calculated to be Rs. 6.36/kVAh. Accordingly, the conversion factor works out to be 0.935 (i.e., Rs. 6.36 per kVAh/ Rs. 6.80 per kWh). Similarly, the conversion factor for HV 3.2:B works out as 0.938
- And for West Discom, from the above Table 167 the weighted average energy charges for HV 3.1:A is calculated to be Rs. 5.90/kVAh. Accordingly, the conversion factor works out to be 0.937 (i.e., Rs. 5.90 per kVAh/ Rs. 6.30 per kWh). Similarly, the conversion factor for HV 3.1:B works out as 0.934

V. Similarly, Energy Charge in Rs./kVAh and conversion factor for each sub-categories for each Discom is determined.

Following Table summarizes the Discom wise conversion factor calculation:

**Table 168 : Discom wise conversion factor for determination of energy charge in Rs./kVAh**

TARIFF SUB CATEGORY CODE	Existing kWh tariff per unit	East Discom		West Discom		Central Discom	
		Tariff as per kVAh	Conversion Factor	Tariff as per kVAh	Conversion Factor	Tariff as per kVAh	Conversion Factor
HV-2.1.A	6.65	6.18	0.929	-	-	-	-
HV-2.1.B	6.44	6.05	0.940	-	-	5.99	0.930
HV-2.1.C	6.23	5.92	0.950	-	-	-	-
HV-3.1.A	6.30	5.89	0.934	5.90	0.937	5.88	0.934
HV-3.1.B	6.21	5.81	0.935	5.80	0.934	5.80	0.935
HV-3.1.C	5.86	5.46	0.932	5.46	0.932	5.45	0.930
HV-3.1.D	5.40	5.04	0.934	5.02	0.929	-	-
HV-3.2.A	6.80	6.36	0.936	6.36	0.936	6.36	0.935
HV-3.2.B	6.55	6.11	0.932	6.13	0.937	6.15	0.938
HV-3.2.C	5.95	-	-	5.54	0.931	5.36	0.901
HV-3.3.A	6.75	6.35	0.940	6.35	0.940	6.38	0.945
HV-3.3.B	6.35	5.90	0.929	5.96	0.939	5.93	0.934
HV-3.4.B	5.41	5.07	0.937	5.06	0.935	5.08	0.938
HV-3.4.C	5.41	5.03	0.929	-	-	5.03	0.929
HV-4.1.A	6.02	5.57	0.926	5.63	0.936	-	-
HV-4.1.B	5.83	5.48	0.940	5.46	0.937	5.45	0.934
HV-5.1.A	6.10	5.57	0.914	5.59	0.916	5.59	0.916
HV-5.1.B	5.96	5.52	0.926	5.52	0.926	5.56	0.934
HV-5.1.C	5.56	-	-	5.13	0.923	5.16	0.929
HV-5.1.D	5.56	-	-	5.12	0.920	-	-
HV-5.2.A	6.10	5.67	0.929	5.64	0.925	5.64	0.925
HV-5.2.B	5.96	5.60	0.940	5.53	0.928	5.62	0.943
HV-6.1.A	5.72	5.35	0.935	5.42	0.947	5.43	0.949
HV-6.1.B	5.52	5.21	0.943	5.16	0.935	5.19	0.940
HV-6.2.A	5.72	5.13	0.898	5.36	0.938	5.36	0.937
HV-6.2.B	5.52	-	-	5.15	0.933	5.19	0.940
HV-7.1.A	10.09	9.52	0.944	9.53	0.944	9.31	0.923
HV-7.1.B	10.09	9.31	0.923	9.44	0.936	9.48	0.939
HV-7.1.C	10.09	9.35	0.927	9.45	0.937	9.41	0.932

TARIFF SUB CATEGORY CODE	Existing kWH tariff per unit	East Discom		West Discom		Central Discom	
		Tariff as per kVAh	Conversion Factor	Tariff as per kVAh	Conversion Factor	Tariff as per kVAh	Conversion Factor
HV-7.1.D	10.09	-	-	9.46	0.937	-	-
HV-8.1.A	6.90	-	-	6.39	0.926	-	-
HV-8.1.B	6.90	-	-	6.53	0.946	-	-
HV-9.1.C	5.70	-	-	-	-	5.38	0.944
Average of conversion factor			0.932		0.934		0.933
Overall Average of Conversion factor					0.933		

VI. The conversion factor so arrived as per Table above, i.e., 0.933 is then applied to proposed tariff for HT consumers in order to have a proposed kVAh tariff for FY 2026-27.

*Note: For analysis of kVAh billing Petitioners have considered base data of FY 2024-25 billing file of HT consumers of all Discoms. Billing file of HT consumers have sold unit, category of consumers, PF, LF, PF incentive/penalty, Energy charges and other required data.*

15.14 The Petitioners submit that the prime objective of the kVAh billing is to encourage the consumers to maintain near unity Power factor to achieve loss reduction, improve system stability, power quality and improve voltage profile. If in case, the Power Factor is less than unity, the consumption recorded in respect of kVAh would be high compared to kWh consumption. Thus, the kVAh based billing will drive the consumers to reach unity power factor.

15.15 As regard to existing PF incentive and penalty, Petitioners submit that the Hon'ble APTEL in its Appeal No.130 of 2005 has already ruled that "***kVAh billing which provides inbuilt incentive for the Appellant's category, which will automatically take care of power factor incentive and disincentive for the high and low power factor respectively***". Hence, it is proposed to withdraw the existing provision of PF incentives and penalties for HT consumers as ultimately, kVAh billing will provide inbuilt incentive which will automatically take care of power factor incentive and disincentive. Petitioners further submit that the consumers who have already spent money to maintain power factor will have an added advantage as they already have the resources to maintain higher power factor which will benefit them in terms of reduced consumption.

15.16 In view of the submissions in the foregoing paras, it is requested the Hon'ble Commission to approve kVAh based billing for the HT consumers from billing cycle of April FY 2026-27. In view of the proposed kVAh billing, the provision for Power Factor incentive and penalty shall not be applicable for HT consumers. However, the existing provisions for Power Factor incentive and penalty shall continue to be applicable for LT category consumers as per the relevant Orders of the Hon'ble Commission.

## **A16: GREEN ENERGY TARIFF**

16.1 It is submitted that at present following two types of Green Energy Charges/Tariff are prevailing as under:

- a) Green Energy Charges and Modalities for consumers availing Green Energy from Distribution Licensee only for the purpose of reducing their carbon footprint and seeking Certification to this effect.
- b) Tariff for Green Energy and Modalities for consumers availing Green Energy from Distribution Licensee as per MPERC (Co-generation and generation of electricity from Renewable sources of energy) Regulations, 2021 and amendments thereof.

16.2 With regard to the Green Energy Tariff and the modalities for consumers availing Green Energy from the Distribution Licensee under the Madhya Pradesh Electricity Regulatory Commission (Co-generation and Generation of Electricity from Renewable Sources of Energy) Regulations, 2021, as amended, the Petitioners submit the following:

- i. The Ministry of Power (“MoP”), by notification dated 27th September 2025, has notified Renewable Consumption Obligations (“RCO”) under Section 14 of the Energy Conservation Act, 2001, effective from 1st April 2024. The said notification expressly provides that for all designated consumers under the Act, no additional Renewable Purchase Obligation shall be applicable under the Electricity Act, 2003 (36 of 2003). Further, the State-level Renewable Purchase Obligation targets have been subsumed within the RCO targets specified therein.
- ii. However, the notification does not prescribe the methodology or approach to be adopted for the calculation of the Green Energy Tariff as stipulated under the Electricity (Promoting Renewable Energy through Green Energy Open Access) Rules, 2022.
- iii. The Petitioners note that the Hon’ble Commission has not yet formally amended the extant MPERC (Co-generation and Generation of Electricity from Renewable Sources of Energy) (Revision-II) Regulations, 2021, to align with the MoP’s notification. In the absence of clear regulatory guidance regarding the methodology for computation of Green Energy Tariff, the Petitioners have, in the present Petition, refrained from calculating the Green Energy Tariff for the purpose of RCO compliance of the obligated entities.
- iv. The Petitioners respectfully reserve their right to approach the Hon’ble Commission afresh for appropriate directions, amendments, or clarifications, should there be any future modifications to the applicable regulations in this regard.

16.3 Further, the Green Energy Tariff and Modalities for the certification purpose is summarized below:

**(a) Green Energy Charges and Modalities for consumers availing Green Energy from Distribution Licensee only for the purpose of reducing their carbon footprint and seeking Certification to this effect:**

16.4 The modalities under this type of Green Energy Transaction are as under:

**Applicability:**

16.5 All consumers shall be eligible for opting RE power for certification purpose on payment of Green Power Tariff.

16.6 The Consumer will have option to select the any integer quantum of green power to be purchased in steps of any integer value and going up to 100% of the consumption.

16.7 The Consumer will have option to select any integer quantum of green power to be purchased against their consumption and will be permitted to increase their requisition for RE Power in the steps of any integer value against their monthly consumption going upto 100% of their consumption during any billing month.

16.8 Such an option will also be available for Open Access consumer for its balance consumption from the Distribution Licensee.

16.9 The Distribution Licensee will levy Green Power Tariff only for percentage of consumption opted by the Consumer.

16.10 In addition to above, such consumers shall also be permitted to avail green power for any number of days in a billing month subject to meeting consumption criteria as mentioned above.

16.11 The consumers shall have to place a requisition for availing power from RE sources with their respective Distribution Licensee.

**Treatment of RCO:**

16.12 It is to clarify that the RE power to be supplied by the Petitioners to consumers availing Green Energy for the purpose of reducing their carbon footprint and seeking Certification **shall be considered towards RPO (from now onwards referred as RCO) compliance of the Petitioners only** and shall not be considered for fulfilment of RCO for obligated entities/consumers.

16.13 If the consumer is also an obligated entity, then he may make its own arrangement or submit requisition to Distribution Licensee for procuring RE power from Distribution Licensee for the purpose of meeting his RCO/RPO compliance as per MPERC (Co-generation and generation of electricity from Renewable sources of energy) Regulations, 2021 and amendments thereof, for which the tariff may be decided upon on necessary clarification/amendments in the relevant Regulations.

**Green Energy Charges:**

- 16.14 The Petitioners have calculated Green Energy Charges for the consumers who wishes to procure RE Power for the purpose of reducing their carbon footprint and seeking Certification to this effect as the difference in weighted average rate of RE power and weighted average rate of Energy charge (Variable Charges) of Non-RE sources as shown in the following Table below:

**Table 169: Green Energy Charges for certification purpose for FY 2026-27**

RE Power Procurement for the Period FY 2026-27			Non-RE Power Procurement (Only Variable) for the Period FY 2026-27			Difference between RE & Non-RE Power	Claimed Green Energy Tariff
MU	Rs. Cr	Rs/Unit	MU	Rs. Cr	Rs/Unit	Rs/Unit	Rs/Unit
A	B	C	D	E	F	G = (C – F)	H
34,524	10,210	2.96	66,574	17,289	2.60	0.36	0.36

- 16.15 **The above Green Energy Tariff shall be over and above the existing energy charges applicable for different categories of consumers. Also, in addition to above Green Energy Tariff, the Demand Charges/Fixed Charges or any other charges as being approved by the Hon’ble Commission for FY 2026-27 shall also be applicable to the respective categories of consumer.**

## **A17: RESTRUCTURING OF TIME-OF-DAY FOR HT CONSUMERS**

17.1 Regarding Time-of-Day (ToD) Tariff, the Petitioner's submit that the Central Government has notified the Electricity (Rights of Consumers) Amendment Rules, 2023 on 14th June 2023. As per section 8 (A) of the rules the Central Government has laid down following rules to be followed by State Commissions regarding Time-of-Day Tariff:

*“(8A) Time of Day Tariff.-The Time of Day tariff for Commercial and Industrial consumers having maximum demand more than ten Kilowatt shall be made effective from a date not later than 1st April, 2024 and for other consumers except agricultural consumers, the Time of Day tariff shall be made effective not later than 1st April, 2025 and a Time of Day tariff shall be made effective immediately after installation of smart meters, for the consumers with smart meters:*

*Provided that, the Time of Day Tariff specified by the State Commission for Commercial and Industrial consumers during peak period of the day shall not be less than 1.20 times the normal tariff and for other consumers, it shall not be less than 1.10 times the normal tariff:*

*Provided further that, tariff for solar hours of the day, specified by the State Commission shall be atleast twenty percent less than the normal tariff for that category of consumers:*

*Provided also that the Time of Day Tariff shall be applicable on energy charge component of the normal tariff:*

*Provided also that the duration of peak hours shall not be more than solar hours as notified by the State Commission or State Load Despatch Centre.*

*Explanation:- For the purposes of this rule, the expression “solar hours” means the duration of eight hours in a day as specified by the State Commission.”*

*The Petitioner further finds that the MoP on 17th Sept, 2024 has also stipulated certain provision regarding ToD Tariff in its Guidelines for Installation and operations of Electric vehicle Charging Infrastructure-2024 is as under:*

*“9.2. (2) The Distribution Licensee will charge 0.7 times the Average Cost of Supply (ACOS) during solar hours (9:00 AM to 4:00 PM) and 1.3 times ACOS during non-solar hours (remaining hours of the day)” {Emphasis Added}*

17.2 It can be seen that the above ToD related provisions clearly indicate the different pricing for electricity consumption during solar and non-solar hours. The different Time-of-Day pricing serve as signals to consumers, encouraging them to adjust their demand patterns. Specifically, these pricing mechanisms incentivize consumers to reduce consumption during periods when there is shortage of supply with respect to demand, or when additional supply comes from sources with higher variable costs. Conversely, consumers are encouraged to increase consumption during periods when there is surplus supply available or when incremental supply is available from sources with lower variable costs, often through ToD rebates.

17.3 The Petitioners wish to submit that, earlier the demand or load of the Distribution Licensee were largely envisaged to be cater by Thermal Power Plant for which Fixed as well as Variable charges were payable to generating companies. Fully utilization of existing tied

up Thermal capacity was one of the important parameters for optimization of power purchase cost since there is an obligation for payment of Fixed Cost irrespective of power generation. Observing the gap between the Demand and Supply position, the ToD tariff was introduced with the objective to flatten the load curve, so that the generation capacity to be tied-up/already tied-up could be optimized and the power purchase during peak hours could be minimized which in turn will result in optimization of the power purchase cost. **However, due to increasing contribution of cheaper power purchase from Renewable Sources (mainly Solar and Wind) having inherent variability and intermittency, the objective of ToD tariff is no longer flattening of the load curve but to fit the load curve to the available supply mix, in order to optimize the power purchase cost.**

- 17.4 With regards to optimization of power purchase cost, it is very important to ascertain that the Discoms are offering Rebates/Incentives during justified hours, i.e., during the hours when the additional supply comes from sources having lower variable charges.
- 17.5 To ascertain the above, the Petitioners have carried out details analysis of hourly power purchase profile of Discoms/MPPMCL, projected for FY 2026-27. The main intention was to ascertain the actual block wise/hourly power purchase rate of MPPMCL during solar and non-solar hours in order to validate the existing ToD rebate timings. In other word, the Petitioners sought to assess whether the existing timings for rebate are in tandem with power purchase price in such a way that the rebate is being offered when the landed power purchase cost of MPPMCL is lower and it does not have any negative financial impact on the Discoms as well as other consumers.
- 17.6 The Petitioners submit that future capacity additions will predominantly occur in the solar segment. Moreover, due to the must-run status of solar and other renewable energy sources, the costs associated with procuring power from these sources are unavoidable. In other words, regardless of the variable charges of renewable energy sources, their availability must be scheduled in full and cannot be curtailed or backed down.
- 17.7 Furthermore, due to the intermittent nature of renewable energy sources, their power output is not available on a round-the-clock (RTC) basis. For example, solar generation typically follows an inverted hyperbolic pattern, with little to no generation during certain periods of the day—particularly between 6:00 to 9:00 AM and 5:00 to 7:00 PM—and drops to zero during nighttime hours. As a result, MPPMCL and the Discoms need to rely primarily on thermal power sources to meet demand during these non-solar periods.
- 17.8 However, thermal plants cannot be fully backed down on a daily basis due to various technical constraints, as explained in earlier paragraphs of this Petition. To ensure the availability of thermal power during non-solar hours, MPPMCL and the Discoms are required to schedule thermal generation even during solar hours. Since solar output is already high during these periods, thermal plants are typically operated only at their technical minimum capacity—approximately 55% of their full capacity.
- 17.9 From the foregoing, it can be concluded that the costs associated with renewable energy

procurement, combined with the technical minimum scheduling of thermal generating stations, represent the minimum unavoidable power purchase costs that MPPMCL and the Discoms has to bear. Optimization of total power purchase cost is therefore possible only when the cheaper thermal power available in the Merit Order Dispatch (MOD) stack is fully utilized.

17.10 Accordingly, the ToD rebates/incentives must be given in such hours when there is a cheaper MOD power available to despatch and satisfy the incremental demand of the consumers.

17.11 To ascertain the utilization of power under MOD, the Petitioners have worked out the percentage of generation contributed from MOD stations during various time slots for the power purchase projections of FY 2026-27. Parallely the Petitioners have also assessed the percentage of generation contributed from must run sources during various time slots for FY 2026-27 as summarized in the heat map shown below:

**Table 170: Estimate Contribution from Must Run Sources during FY 2026-27 (at actual losses)**

Hours	FY 2026-27											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-01	15%	17%	17%	22%	30%	29%	21%	14%	16%	18%	14%	14%
01-02	15%	17%	17%	22%	31%	29%	22%	15%	16%	19%	14%	14%
02-03	15%	17%	18%	22%	30%	28%	23%	16%	15%	17%	15%	15%
03-04	16%	17%	18%	23%	31%	29%	23%	16%	16%	17%	15%	15%
04-05	16%	18%	19%	23%	35%	33%	23%	16%	18%	18%	16%	15%
05-06	19%	20%	21%	24%	36%	34%	29%	25%	24%	25%	21%	19%
06-07	27%	26%	27%	29%	38%	37%	31%	25%	27%	28%	27%	27%
07-08	36%	35%	38%	37%	48%	47%	39%	30%	33%	34%	37%	37%
08-09	43%	45%	48%	45%	56%	55%	47%	38%	38%	39%	43%	47%
09-10	49%	49%	54%	54%	62%	61%	56%	43%	42%	43%	48%	54%
10-11	50%	48%	52%	51%	69%	69%	59%	38%	39%	40%	46%	55%
11-12	54%	51%	55%	57%	76%	76%	64%	43%	43%	44%	51%	65%
12-13	53%	50%	54%	58%	78%	76%	66%	43%	44%	44%	52%	69%
13-14	53%	48%	52%	57%	75%	74%	63%	41%	43%	44%	51%	68%
14-15	48%	43%	47%	53%	72%	71%	58%	39%	40%	41%	50%	66%
15-16	41%	40%	40%	45%	67%	63%	49%	31%	33%	35%	41%	54%
16-17	39%	38%	43%	46%	60%	58%	43%	33%	35%	36%	40%	48%
17-18	30%	31%	35%	35%	48%	44%	33%	27%	27%	27%	31%	33%
18-19	23%	24%	30%	28%	38%	34%	26%	23%	25%	24%	23%	21%
19-20	20%	21%	22%	24%	32%	33%	27%	22%	24%	23%	22%	20%
20-21	20%	21%	22%	24%	30%	30%	22%	17%	20%	21%	21%	20%
21-22	18%	19%	20%	25%	31%	31%	24%	15%	20%	18%	17%	17%
22-23	17%	19%	19%	24%	33%	30%	24%	17%	19%	17%	16%	16%
23-24	17%	19%	19%	24%	33%	33%	23%	16%	18%	17%	16%	16%

**Table 171: Estimate Contribution from MOD Sources during FY 2026-27 (at actual losses)**

Hours	2026-27											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-01	85%	83%	83%	78%	70%	71%	79%	86%	84%	82%	86%	86%
01-02	85%	83%	83%	78%	69%	71%	78%	85%	84%	81%	86%	86%
02-03	85%	83%	82%	78%	70%	72%	77%	84%	85%	83%	85%	85%

Hours	2026-27											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
03-04	84%	83%	82%	77%	69%	71%	77%	84%	84%	83%	85%	85%
04-05	84%	82%	81%	77%	65%	67%	77%	84%	82%	82%	84%	85%
05-06	81%	80%	79%	76%	64%	66%	71%	75%	76%	75%	79%	81%
06-07	73%	74%	73%	71%	62%	63%	69%	75%	73%	72%	73%	73%
07-08	64%	65%	62%	63%	52%	53%	61%	70%	67%	66%	63%	63%
08-09	57%	55%	52%	55%	44%	45%	53%	62%	62%	61%	57%	53%
09-10	51%	51%	46%	46%	38%	39%	44%	57%	58%	57%	52%	46%
10-11	50%	52%	48%	49%	31%	31%	41%	62%	61%	60%	54%	45%
11-12	46%	49%	45%	43%	24%	24%	36%	57%	57%	56%	49%	35%
12-13	47%	50%	46%	42%	22%	24%	34%	57%	56%	56%	48%	31%
13-14	47%	52%	48%	43%	25%	26%	37%	59%	57%	56%	49%	32%
14-15	52%	57%	53%	47%	28%	29%	42%	61%	60%	59%	50%	34%
15-16	59%	60%	60%	55%	33%	37%	51%	69%	67%	65%	59%	46%
16-17	61%	62%	57%	54%	40%	42%	57%	67%	65%	64%	60%	52%
17-18	70%	69%	65%	65%	52%	56%	67%	73%	73%	73%	69%	67%
18-19	77%	76%	70%	72%	62%	66%	74%	77%	75%	76%	77%	79%
19-20	80%	79%	78%	76%	68%	67%	73%	78%	76%	77%	78%	80%
20-21	80%	79%	78%	76%	70%	70%	78%	83%	80%	79%	79%	80%
21-22	82%	81%	80%	75%	69%	69%	76%	85%	80%	82%	83%	83%
22-23	83%	81%	81%	76%	67%	70%	76%	83%	81%	83%	84%	84%
23-24	83%	81%	81%	76%	67%	67%	77%	84%	82%	83%	84%	84%

17.12 From the above, it is identified that during non-solar hours, the percentage of generation contributed from MOD stations is highest. This implies that due to absence of RE power mainly solar, the demand during such non-solar hours is met by scheduling costlier generation lying in the MOD stack. Whereas during solar hours the percentage contribution from MOD stations is lower, which implies that during such hours the cheaper thermal generating stations are available to despatch.

17.13 To validate the above, the Petitioners have worked out the hour-wise MoD rate of last Station Scheduled to satisfy the projected demand of FY 2026-27 which is represented in the heat map shown below:

**Table 172: Variable Charge of last MOD Station Scheduled for FY 2026-27 (at actual losses) (in Rs./kWh)**

Hour s	2026-27											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-01	8.76	8.76	8.76	8.76	4.42	4.42	3.09	4.42	3.42	3.40	8.76	8.76
01-02	8.76	8.76	8.76	8.76	4.04	4.04	2.95	4.04	3.42	3.17	8.76	8.76
02-03	8.76	8.76	8.76	8.76	4.04	3.64	2.95	3.52	3.35	2.95	8.76	8.76
03-04	5.20	8.76	4.42	8.76	3.45	3.52	2.95	4.04	3.42	3.17	8.76	8.76
04-05	4.42	8.76	4.04	8.76	2.95	3.17	2.95	4.04	3.35	3.17	8.76	8.76
05-06	4.04	8.76	3.64	8.76	2.95	3.09	2.73	3.42	3.17	2.95	4.42	5.20
06-07	3.45	4.42	3.45	8.76	3.45	3.42	2.95	4.42	3.45	2.95	4.42	8.76
07-08	2.95	3.17	2.34	2.01	2.24	2.55	2.73	4.42	3.64	3.45	3.64	3.52
08-09	2.20	2.10	1.51	2.01	1.53	1.53	2.01	4.04	4.04	3.45	3.45	2.73
09-10	1.53	1.63	0.83	1.53	0.83	0.83	0.83	3.45	3.52	3.42	3.17	2.05
10-11	1.51	1.82	0.83	1.82	0.83	0.83	0.83	4.04	4.42	4.04	3.45	1.53
11-12	1.51	1.63	0.83	1.51	0.83	0.83	0.83	3.17	3.42	3.42	2.95	0.83
12-13	1.51	2.10	0.83	0.83	0.83	0.83	0.83	2.95	2.95	2.95	2.73	0.83

Hours	2026-27											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
13-14	1.51	2.23	1.51	0.83	0.83	0.83	0.83	3.42	3.17	3.17	2.73	0.83
14-15	1.63	2.83	2.01	1.51	0.83	0.83	0.83	3.45	3.42	3.17	2.83	0.83
15-16	2.34	2.95	2.34	2.01	0.83	0.83	1.51	5.20	4.42	4.04	3.52	0.83
16-17	2.34	2.95	2.10	2.01	0.83	0.83	2.01	4.04	3.52	3.45	3.45	1.53
17-18	2.95	2.95	2.23	2.01	2.01	2.17	2.83	5.20	4.42	4.08	4.04	2.95
18-19	3.45	3.45	2.83	2.01	2.95	3.45	3.45	8.76	4.42	5.20	8.76	4.42
19-20	4.42	8.76	3.19	8.76	4.42	2.55	2.05	4.42	8.76	8.76	8.76	8.76
20-21	4.04	8.76	4.04	8.76	4.42	4.04	3.26	3.45	4.04	4.04	4.04	4.04
21-22	4.42	8.76	5.20	8.76	4.04	3.52	2.95	3.45	3.17	3.45	4.04	4.04
22-23	8.76	8.76	8.76	8.76	3.64	3.64	2.95	4.04	3.45	3.52	8.76	8.76
23-24	8.76	8.76	8.76	8.76	3.52	3.42	2.95	4.42	3.45	3.45	8.76	8.76

17.14 From the above, it can be seen that during non-solar hours mainly from 10:00 PM to 6:00 AM, costliest stations are being scheduled. While the Petitioners have considered only tied up sources in their analysis, it is submitted that during some of the time slots there may be requirement to purchase power from market which is highly uncertain.

17.15 The Petitioners have also analyzed the latest one-year Market Clearing Price (MCP) data from the Indian Energy Exchange (IEX), covering the period from October 2024 to September 2025. This analysis revealed that the market rates during nighttime hours are higher compared to those prevailing during solar hours. The heat map below illustrates the hourly MCP rates discovered on the IEX platform throughout the aforesaid period:

Table 173: Average MCP of IEX over past months (in Rs./kWh)

Hours	Latest IEX Rates of past months											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-01	7.31	6.15	6.00	5.24	4.25	3.92	5.06	2.80	2.37	2.53	3.11	4.49
01-02	6.60	5.15	5.25	4.37	3.83	3.31	3.91	2.65	2.28	2.38	3.09	4.29
02-03	5.60	4.69	4.52	4.01	3.61	3.12	3.56	2.62	2.20	2.29	3.01	3.88
03-04	5.10	3.86	4.19	3.79	3.53	2.97	3.32	2.59	2.20	2.27	2.97	3.71
04-05	5.18	3.79	3.55	3.73	3.44	2.90	3.20	2.62	2.28	2.38	3.05	3.90
05-06	5.84	3.53	3.28	4.38	3.76	3.20	3.38	2.86	2.82	2.92	3.49	4.54
06-07	6.69	3.54	3.32	4.49	4.32	3.79	3.53	3.39	3.75	4.12	5.95	6.17
07-08	4.07	2.51	2.57	3.33	3.48	3.03	3.42	3.93	6.20	8.40	9.25	6.01
08-09	2.62	1.60	1.90	2.71	2.58	1.88	2.98	3.60	7.03	9.15	7.35	3.63
09-10	2.21	1.46	1.66	2.43	2.03	1.53	2.62	3.22	6.05	7.78	5.79	3.39
10-11	1.94	1.36	1.49	2.11	1.63	1.35	2.25	2.55	4.01	4.44	3.66	2.91
11-12	1.92	1.41	1.53	2.04	1.59	1.35	2.12	2.22	3.19	3.42	3.35	2.74
12-13	1.88	1.46	1.55	1.96	1.49	1.40	2.05	1.96	2.78	3.07	3.12	2.56
13-14	1.85	1.45	1.54	1.88	1.42	1.28	2.05	1.85	2.51	2.69	2.78	2.38
14-15	2.23	1.97	1.87	2.21	1.77	1.54	2.60	2.38	2.84	2.98	2.85	2.58
15-16	2.73	2.46	2.20	2.62	2.27	1.87	3.04	2.92	3.22	3.22	3.15	2.94
16-17	3.11	2.77	2.61	2.87	2.80	2.37	3.49	3.68	4.20	4.04	3.65	3.49
17-18	3.71	3.17	2.99	3.15	3.26	3.17	4.89	7.40	8.28	6.80	4.76	3.73
18-19	6.52	3.89	3.51	4.22	5.10	5.90	8.03	8.30	8.96	9.57	8.40	6.59
19-20	9.05	6.40	6.10	7.76	8.64	8.83	6.80	4.25	4.92	7.91	7.72	8.63
20-21	8.81	7.10	6.85	8.53	8.71	8.11	5.55	3.58	3.51	4.45	4.18	7.52
21-22	8.30	7.74	7.99	8.51	8.62	6.67	5.50	3.31	3.14	3.51	3.77	5.56
22-23	8.14	8.92	8.56	8.58	8.27	6.34	5.34	3.03	2.72	3.00	3.36	5.68
23-24	8.17	8.89	8.03	7.83	6.67	5.39	5.28	2.86	2.61	2.78	3.04	5.13

17.16 The Petitioners find that during such non-solar hours mainly from 10:00 PM to 6:00 AM where the marginal cost of power procurement is highest, presently, a ToD rebate is applicable to HT category. This clearly implies that the existing ToD rebate provisions encouraging the consumers for higher consumptions during such unjustified hours resulting in higher power purchase cost. Hence, there is a need to restructure the ToD tariff for such unjustified hours.

17.17 Further, the Petitioners have examined the impact of the existing ToD tariff on the revenue, and consequently on the Aggregate Revenue Requirement (ARR) of the Discoms. For this analysis, the Petitioners considered the actual ToD-wise consumption data of the HT category along with the corresponding rebates availed and surcharges levied during FY 2024-25, as presented in the Table below:

**Table 174: Actual ToD slot wise consumption (MUs) & Rebate/Surcharge (Rs. Cr) pattern of HT Category during FY 2024-25**

ToD	Hours	FY 2024-25											Total	% share	
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			Mar
TOD 1	00-01														
	01-02														
	02-03														
	03-04	484	495	537	479	470	480	479	467	513	539	565	504	6011	33%
	04-05														
	05-06														
	Rebate	-25	-34	-36	-31	-30	-31	-32	-29	-30	-33	-34	-31	-377	
TOD 2	06-07														
	07-08	176	173	194	175	172	177	173	168	189	202	211	182	2191	12%
	08-09														
	Surch.	12	18	19	17	17	17	17	15	17	19	19	17	+204	
TOD 3	09-10														
	10-11														
	11-12														
	12-13														
	13-14	465	490	542	496	485	489	480	467	520	549	559	491	6031	33%
	14-15														
	15-16														
	16-17														
	Rebate	-48	-66	-72	-65	-63	-64	-64	-58	-61	-68	-68	-61	-757	
TOD 4	17-18														
	18-19														
	19-20	324	326	349	316	311	316	319	315	351	372	387	340	4025	22%
	20-21														
	21-22														
	Surch.	23	33	35	31	30	31	32	29	31	34	35	32	+375	
TOD 1	22-23														
	23-24														

17.18 From the above, it is observed that the total TOD rebates being offered to HT category during FY 2024-25 stands at Rs. (1,134.07) Crore, whereas the TOD surcharges levied to HT category during FY 2024-25 stands at Rs. 579.49 Crore. Consequently, the net impact of ToD rebates and surcharges on the revenue and Aggregate Revenue Requirement (ARR)

of the Discoms is a negative Rs. 554.60 Crore.

17.19 The Petitioners submit that during the night hours, from 10:00 PM to 6:00 AM, not only is the marginal cost of power procurement higher, but the Discoms are also providing ToD rebates to consumers. In FY 2024-25, the Discoms extended approx. Rs. 377 Crore in TOD rebates to eligible HT consumers during these hours. This creates a negative financial impact on the Discoms, which ultimately burdens other consumers of Discoms. As a result, some consumers are effectively receiving an unjust enrichment by benefiting from ToD rebates at the expense of others who do not receive such incentives.

17.20 In view of above analysis, the Petitioners propose to withdraw the existing TOD rebates applicable to HT category during the TOD slot from 10:00 PM to 6:00 AM next day.

**Table 175: Revised ToD Rebate Structure as proposed for HT Categories for FY 2026-27**

Sr. No	Peak / Off-peak Hrs		Surcharge / Rebate on energy charges on energy consumed during the corresponding period	
			Existing	Proposed
1	Peak hours (6 AM to 9 AM and 5 PM to 10 PM )		Surcharge of 20% on normal rate of energy charge shall be applicable for energy consumed during this period.	No Change
2	Off peak /Solar hours (9 AM to 5 PM)		Rebate of 20% on normal rate of energy charge shall be applicable for energy consumed during this period.	No Change
3	Off peak hours (10 PM to 6 AM next day)	For Months June to September	Rebate of 10% on normal rate of energy charge shall be applicable for energy consumed during this period.	<i>Normal rate of energy charge shall be applicable for energy consumed during this period.</i>
		For Months April to May and October to March	Rebate of 7.50% on normal rate of energy charge shall be applicable for energy consumed during this period.	

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## **A18: COMPLIANCE OF DIRECTIVES ISSUED IN TARIFF ORDER OF FY 2025-26**

### **The response of MP Discoms on the directives issued by Hon'ble Commission in the Retail Supply Tariff**

#### **7.1 Technical studies of the Distribution network to ascertain voltage-wise cost of supply.**

##### **Commission's Observations/ Directions:**

*The Commission observed that while West and Central DISCOMs have already awarded the technical loss study to expert consultants/agencies in compliance with the Commission's directives, East DISCOM has not demonstrated any progress in this matter. The Commission expresses its displeasure on the progress made so far by East DISCOM as compared to other two DISCOMs and directs the East DISCOM to furnish concrete plan within in one month from the date of issue of this Order, clearly showing commencement & completion date of the study in line with the agreed methodology for technical loss estimation.*

*Further, DISCOMs are directed to furnish monthly progress report in this regard henceforth*

##### **East DISCOMs Submission:**

It is submitted that under RDSS, smart meters have been installed for 9,69,959 consumers, 4,621 DTRs and 8,124 feeders. In 15 feeders, smart meters are installed at all three levels - feeder, DTR and consumer. In 155 feeders, meters are installed at the feeder level, DTR-level installations are in progress, and more than 80% of consumers are metered. The DISCOM has an operational MDM, enabling feeder-wise and DTR-wise energy audits for accurate technical loss assessment. Additionally, East DISCOM has engaged Bidgely and EsyaSoft for AIML-based analysis of smart meter data, including energy audit and theft analysis reports. A detailed study plan with timelines will be submitted in the coming months, and monthly progress reports will be furnished as directed.

##### **Central Discom Submission:**

It is submitted that the Central DISCOM awarded this work to MANIT, Bhopal in August 2024. In this regard, a meeting was held at the MPERC Office, attended by Dr. Mukesh Kumar Kirar, Associate Professor, Department of Electrical Engineering, MANIT, and Shri Sandeep Siteke, General Manager (Commercial), MPMKVVCL. A copy of the presentation delivered by Dr. Kirar has been submitted vide letter no. MD/MK/RA/277 dated 18.11.2025.

##### **West Discom Submission:**

M/s PPS energy solutions Pvt Ltd was awarded the work of technical losses evaluation of the distribution network of MPPKVVCL Indore vide order no 17247.dt. 29.11.2024. After completing all the formalities, The firm started work from January 2025, the methodology to be adopted for the study of the losses was to evaluate the T&D losses of

the 1% of the various components of the distribution network such as 33kV lines, 33/11kV S/Ss, 11kV lines, DTRs of various categories, LT losses up to consumer ends. The sampling of the various components and consumers are to be done as per the guidelines stipulated by the Hon'ble MPERC.

The final report on Technical loss study on voltage wise is already shared with the Hon'ble Commission via letter No. MD/WZ/ CEAAC/ 2025-26/6353 on dated 10 Oct 2025.

## **7.2 Replacement of Stopped and Defective Meters**

### **Commission's Observations/ Directions**

*The Commission expresses concern over the persistently high number of stopped and defective meters awaiting replacement, indicating non-compliance with its directives by the DISCOMs. During the review meeting held with DISCOMs from 21st to 23rd August, 2024, the Commission reiterated that, in accordance with Section 55 of the Electricity Act, 2003, electricity supply has to be provided only through a correct meter as specified under the Central Electricity Authority (Installation and Operation of Meters) Regulations. Supplying electricity without a correct meter, unless expressly approved by the Commission, constitutes a violation of statutory provisions.*

*In light of the above, the DISCOMs are directed to take immediate and effective action to expedite the replacement of all stopped and defective meters.*

*Further, if DISCOMs propose to install meters other than those specified under the CEA Regulations, they must obtain prior approval from the Commission under the relevant provisions of the Electricity Act, 2003.*

*The Petitioners are also directed to ensure that the replacement of stopped/defective meters is carried out within the timelines stipulated under the Madhya Pradesh Electricity Supply Code, 2021, as amended, and to submit quarterly progress reports to the Commission in this regard. Commission feels that mere submission of reports without much progress will not suffice and will attract penalty for non-compliance.*

*The Commission further cautions that it may consider review of the variable component of Return on Equity (RoE) linked to consumer metering, based on the compliance status and progress reflected in the quarterly reports by the DISCOMs.*

### **East Discom Submission:**

It is submitted that East Discom have focused on replacing the Stop Defective meters in Urban (DL, NDL, and Industrial) and Rural (NDL and Industrial) areas, achieving a reduction of defective meters to less than 1% in these categories. Currently, the focus has been shifted to addressing the reduction of Stop Defective meters in Rural DL, with specific month-wise targets assigned to each division. Monitoring of progress is being carried out regularly.

### **Central Discom Submission:**

It is submitted that under RDSS Smart Metering scheme, meters are being replaced in Urban Areas. The non-smart meters after replacement in Urban Area shall be utilized to replace the stop defective meters after testing. Submission of status regarding replacement of stop/defective meters is being complied by Discom. It is submitted that the Central Discom shall be installing Smart Meters in Rural areas also. However, the modalities and implementation strategy along with the tendering process is under discussion.

**West Discom Submission:**

In accordance with current Statutory/ Regulatory Framework, all existing meters are required to be replaced with smart meters. In connection with this matter, the Central Government has introduced the Revamped Distribution Sector Scheme (RDSS). It is pertinent to mention that if the Discom were to procure non-smart or traditional meters to replace the existing ones, these newly procured meters would not reach the end of their anticipated lifespan. Consequently, this situation would result in a dual burden of costs- firstly for the non-smart meter used to replace the existing defective meter, and subsequently for the smart meter used to replace the non-smart meter.

Given this context, the Discom respectfully submits that the task of replacement of defective meters should be carried out in alignment with the implementation of activities under the RDSS scheme. This approach would prevent unnecessary cost burdens and to ensure a coordinated and efficient meter replacement process.

Presently, the installation of smart meters is being done as per the trajectory under the RDSS scheme. The good spared non-smart meters found on the installation of smart meters are also being utilized against the replacement of stopped or defective meters in the company area, which is not covered under the trajectory of the RDSS Scheme.

At present, in WZ Discom, 1261877 nos. of smart meters have been installed or are under execution for urban areas. As such, after testing, the good non-smart meters are being found against the installation of smart meters and are being reused for replacement of defective meters in rural areas according to the priority mentioned here, as under: -

1. Non-Domestic Consumers,
2. Industrial Consumers,
3. Pucca House Consumers

With respect to the replacement of defective meters in rural areas, instructions have already been issued to the field offices vide letter no. MD/WZ/05/Comm/907 dated 21.01.2025, in accordance with the prioritization mentioned above. The instructions include a monthly target of replacing 10% of defective meters. Accordingly, a target for the replacement of 4, 66, 361 nos. of stop/defective meters in rural areas has been assigned to the field offices. Against this target, 65,659 defective meters have been replaced so far.

The Hon'ble MPERC vide order dated 20.08.2025 in Petition No. 02/2025, has granted relaxation in the implementation timeline for replacement of existing meters, including stopped, defective, and burnt meters, with Smart Pre-payment meters. The timeline has been extended from 31st December 2024 to 31st March 2028.

In compliance of instructions issued by the Commission in respect of submission of quarterly report on replacement of stop/ defective meters, the timely submission of the quarterly progress report (MIS Report) to the Commission is being ensuring through Reporter of Compliance (RoC).

### **7.3 Alignment of R-15 strictly with the categories, subcategories, and slabs of the Tariff Schedule as per the new Tariff Structure**

#### **Commission's Observations/ Directions:**

*The Commission identified substantial discrepancies between the tariff category/subcategory and the slab-wise R-15 statement (MPERC) compared to the standard R-15 statement in the submitted statements. This reflects a serious lack of commitment from the DISCOMs to comply with the Commission's directives.*

*The Commission has expressed concerns regarding this poor compliance. The Petitioners are directed to furnish the requisite information such as number of Consumers, Connected Load and Sales strictly as per the Tariff Categories/ sub-categories and slabs approved by the commission in R-15 statement (MPERC) before the next true-up / ARR /Tariff Petition filing, failing which the Commission may initiate non-compliance proceedings against the petitioners.*

#### **East Discom Submission:**

The R-15 statement has been aligned strictly as per the Tariff categories, sub-categories, and slabs approved by the Commission, in compliance with the directions.

#### **Central Discom Submission:**

The R15 has been aligned as per Tariff category/subcategory and slabs approved by the commission.

#### **West Discom Submission:**

It is submitted that the substantial discrepancies between the tariff category/sub-category and the slab-wise of R-15 statement (MPERC) is aligned with the standard R-15 statement.

### **7.4 Accounting of Rebates/Incentives/Surcharges**

#### **Commission's Observations/ Directions:**

*The Commission acknowledges the submissions made by East, Central, and West DISCOMs regarding compliance with the directives on accounting for rebates, incentives, and surcharges. However, it is observed that the Petitioners have not yet provided a detailed analysis to assess the actual impact of various incentives, rebates, and surcharges as specified in the Tariff Order. The Commission reiterates that a comprehensive study be conducted to evaluate these impacts, considering different scenarios for Rabi and non-Rabi seasons. Further, the analysis should include a scenario assessing the financial implications, if no incentives or rebates are provided in the tariff*

structure. The Commission expects the Petitioners to ensure compliance and submit the required analysis before the next ARR and Tariff Petition filing.

#### **East Discom Submission:**

As directed by the Commission, detailed report is prepared and submitted to the Hon'ble Commission vide letter no. MD/EZ/CGM (Comm.)/1377 dated 26.09.2025. The net impact of the incentive and surcharge are adding advantageous to consumer thereby increasing Discom business. From the detailed analysis it can be seen that the incentives not only help Discom in growth of energy sales but also in retaining /addition of High valued consumers from obtaining open access.

#### **Central Discom Submission:**

Impact study have been conducted on impact on ABR of LT and HT consumers considering the period of Rabi and Non-Rabi seasons. The abstract of impact of rebate on various tariff categories has been submitted to the Hon'ble Commission vide letter no. MD/MK/RA/277 dated 18.11.2025.

#### **West Discom Submission:**

The desired status on rebate and surcharges for FY 24-25 is attached below for HT consumers. The analysis of impact on consumers if the rebate is not offered to the consumers is submitted to the Hon'ble Commission vide letter no. MD/WZ/05/COM/TRAC/26/18820 dated 18.11.2025.

<b>FY 2024-25 Rebate to HT consumer</b>		
S.No.	Rebate	WZ (Rs Crore)
1	RF rebate	0.0
2	PF incentives	(258.7)
3	LF incentives	0.0
4	Prompt payment	(2.8)
5	Advance payment	(0.8)
6	Tod rebate	(514.9)
7	Rebate on inc units	(141.5)
8	Captive rebate	(69.4)
9	Greenfield rebate	(122.9)
10	NSC rebate	(138.4)
11	Online payment rebate	(3.5)
	<b>Total Rebate</b>	<b>(1252.9)</b>

<b>FY 2024-25 Surcharge to HT consumer</b>		
1	Late payment SURCHARGE	64.2
2	TOD SURCHARGE	343.3
3	ADDSURCH OPENACCESS	15.0
4	CSS	18.0
5	PF SURCHARGE	22.1
	<b>Total Surcharge</b>	<b>462.7</b>

### **7.5 Introduction of kVAh billing**

#### **Commission's Observations/ Directions:**

The Commission has observed that the awareness outreach efforts undertaken by the Petitioners regarding the transition to kVAh-based billing have been inadequate. Recognizing the importance of consumer education in ensuring a smooth transition, the Commission directs the Petitioners to intensify their consumer awareness initiatives across the State. These awareness programs should effectively communicate the concept of kVAh billing, including its rationale, benefits, and implications for consumers. They should also cover the financial and technical impact of kVAh billing compared to kWh-based billing, particularly for consumers targeted to be covered under kVAh billing. Consumers should be made aware of the various quantities measured by their energy meters, including active power (kW), apparent power (kVA), reactive power (kVAR), and power factor. Educating consumers on power factor correction and its impact on kVAh based billing. The objective of the awareness program is to ensure that consumers are well-informed, adequately prepared, and equipped with the necessary understanding about financial implications of switching over from kWh billing to kVAh billing.

Further, the Commission has also noted that the Petitioners have failed to submit a comprehensive impact assessment study on the transition from kWh-based billing to kVAh based billing. Specifically, the Petitioners have not provided an analysis considering the yearly average power factor for each HT consumer category, based on historical data from the past three years. This assessment is critical for evaluating the financial implications of kVAh billing for different HT consumer categories, the impact on overall system efficiency and network stability, and the necessity for consumer-specific interventions, such as power factor improvement measures. Therefore, the Petitioners are once again directed to carry out a detailed impact assessment study and submit the report before the next tariff filing.

**East Discom Submission:**

As directed by the Commission, a study has been carried out on kVAh billing of HT Consumers and its implication on the transition from kWh billing to kVAh billing for each category of consumer. A report on same has been submitted to the Hon'ble Commission vide letter no. MD/EZ/CGM (Comm.)/1377 dated 26.09.2025.

**Central Discom Submission:**

With reference to the directives to carry out on impact assessment of kVAh, following analysis is submitted by Central Discom based on the available data and confirm our compliance actions.

(A) Summary of kWh to kVAh conversion factor and revenue neutral tariffs

- Approach: revenue neutral kVAh tariffs are derived by multiplying the existing kWh tariff by the conversion factor (kVAh/kWh) computed for each tariff sub categories and Discom.
- Average conversion factor for Central Discom is 0.933
- Detailed working sheet is submitted to the Hon'ble Commission vide letter no. MD/MK/RA/277 dated 18.11.2025.

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**West Discom Submission:**

In compliance with the Commission's directives to conduct consumer awareness programmes explaining the concept of kVAh billing, its implications for relevant consumer categories, the measured quantities by energy meters, the monitoring of reactive power management at consumer premises, and the impact assessment study, the following actions were taken:

i. Consumer Awareness Program:

The Petitioner has continuously directed the field offices to conduct awareness among the HT consumers regarding the kVAh billing. The Status report of Awareness Programs Conducted for kVAh Billing for FY 2025-26 is submitted to the Hon'ble Commission vide letter no. MD/WZ/05/COM/TRAC/26/18820 dated 18.11.2025.

Further, comprehensive awareness programme was conducted across all Circles of the Discom through video conferencing and physical meetings. A total of 15 Circles were covered, The Association of Industries from Indore, Pithampur, Dewas, Ujjain, Ratlam, and other regions also participated.

ii. Impact Assessment Study: An impact assessment study on the transition from kWh billing to kVAh billing, based on data from the last three years i.e. FY 2021-22, 2022-23 & 2023-24, the impact study for FY 2024-25 is submitted to the Hon'ble Commission vide letter no. MD/WZ/05/COM/TRAC/26/18820 dated 18.11.2025.

**7.6 Consumer services related issues:**

**Commission's Observations/ Directions:**

*The Commission noted that West DISCOM has demonstrated an online compensation mechanism without manual intervention for two services namely:-*

- (i) Load reduction and*
- (ii) Name transfer.*

*East DISCOM demonstrated similar compensation mechanism without manual intervention for same services while Central DISCOM demonstrated compensation mechanism for one service namely new service connection.*

*Further, Regulation 8.1(B) of the MPERC (Distribution Performance Standards) Regulations, 2012, as amended, mandates the Distribution Licensee to expand the list of remotely monitored parameters eligible for automatic compensation.*

*In light of the above, the Commission directs the DISCOMs as follows:*

- a) Central DISCOM is directed to demonstrate an automatic compensation mechanism for two services, similar to the mechanism implemented by East and West DISCOMs, within 30 days from the date of this order. At the same time, East and West DISCOMs are directed to cover new service connections under compensation mechanism.*

b) DISCOMs are directed to identify additional parameters which can be monitored remotely and be brought under automatic compensation under Regulation 8.1(B) of the MPERC (Distribution Performance Standards) Regulations, 2012 as amended. A time bound program in this regard be submitted within three months from the date of this order.

The Commission would like to mention that it has taken following measures through its Regulations/Orders to enhance consumer services, emphasizing power quality, reliability, and grievance redressal across urban, rural, and industrial sectors: -

(i) Power Quality Regulations

The MPERC (Power Quality) Regulations, 2025, notified on January 10, 2025, aim to improve power supply reliability and system efficiency by establishing standards for power quality parameters such as voltage variation, harmonics, sag, swell, and flickers. These regulations mandate Distribution Licensees to install Power Quality (PQ) meters at 33/11 kV substations within two years, while Designated Consumers and Distributed Generation Resources (DGRs) are required to do so within one year. The regulations also define the roles of stakeholders and include a Grievance Redressal Mechanism for consumers to address complaints regarding power quality.

(ii) System Average Interruption Frequency Index (SAIFI) and System Average Interruption Duration Index (SAIDI)

The Commission, vide order dated 20th June 2024, has specified the following trajectory for System Average Interruption Frequency Index (SAIFI) and System Average Interruption Duration Index (SAIDI) for cities with a population of 1 lakh and above, aiming to enhance the reliability of power supply by setting clear SAIFI and SAIDI targets and requiring DISCOMs to strengthen infrastructure and reporting mechanisms:

Year	SAIFI (Interruptions/Year/Consumer)	SAIDI (Hours/Year/Consumer)
FY 2024-25	120	90
FY 2025-26	100	80
FY 2026-27	90	60

(iii) Madhya Pradesh Electricity Distribution Code Regulations, 2024

The Commission has revised the Electricity Distribution Code, 2006 with the Madhya Pradesh Electricity Distribution Code (Revision-I), 2024 to establish a framework for the planning, development, operation, maintenance, and use of distribution systems within the Licensee's area of supply, ensuring the supply system operates efficiently and provides reliable, economic, and continuous service to all consumers.

In view of the above, Distribution Licensees are mandated to comply strictly with these Regulations to enhance consumer services and improve power supply reliability. They must focus on:

- 1) *Faster Grievance Resolution: Efficient processes for addressing consumer complaints.*
- 2) *Enhanced Communication Channels: Robust systems for timely interactions with consumers.*
- 3) *Monitoring Mechanisms: Comprehensive systems to track service performance and compliance.*

*Distribution Licensees are required to ensure compliance and submit compliance report in stipulated timelines as specified in the aforesaid Regulations. Non-compliance will result in regulatory action. Adherence to these standards is crucial for improving consumer satisfaction and ensuring a reliable power supply system.*

**East Discom Submission:**

The automatic compensation mechanism for Load Reduction, Name Transfer services and New Service Connection has been implemented.

**Central Discom Submission:**

- i. SAIFI/SAIDI: The compliance has already been sent vide letter no. 452 dated 21/08/2025.
- ii. Madhya Pradesh Electricity Distribution code Regulation 2024- MPMKVVCL is committed to deliver uninterrupted and high quality power supply to the consumers by strictly adhering to the regulations set by the Hon'ble Commission. To enhance consumer experience and service efficiency, MPMKVVCL has implemented robust system for grievance redressal communication and real time monitoring.
- iii. Faster Grievance Resolution: MPMKVVCL operates a centralized call-centre for transparent and effective grievance registration and resolution mechanism, ensuring prompt and efficient redressal of consumer concerns. Through continuous monitoring we ensure timely resolution of consumer grievances. Additionally, we obtain feedback on 100% of complaints to enhance consumer satisfaction.

Enhanced communication channels: MPMKVVCL offers multiple channels for consumers to register complaints, ensuring 24X7 availability and reliable grievance redressal. Various modes of complaints registration are as under-

- 1912/18002331912/07552551912- MPMKVVCL is using a SIP line with a maximum capacity of 800 channels at call center to provide uninterrupted services. Consumers can contact on these numbers to register their complaints easily.
- IVR- Consumer can register their complaint by using their registered mobile number or IVRS no. only.
- Whats app Chatbot (07552551222)- consumer can use Whatsapp Chatbot also to register their complaints.
- Upay App- This application is available both on Google Play store and Apple Store, allowing consumers to register complaints and access various facilities conveniently.

- MPCZ Portal- Consumers can register their complaints through our website also. (<https://portal.mpcz.in/web/>)
- Voice Bot- In house voice bot facility is also developed by MPMKVVCL for ease of consumers. CCR- consumer can easily talk to our customer case representatives regarding their complaints.

#### Additional Facilities

- Feedback: Facility to take consumers feedback via Voice bot and Upay app is also developed to ensure consumers feedback on all registered complaints.
- Real-time Complaint Tracking: Consumers can also track real-time status of their complaints via Upay App using the URL provided in complaints SMS.
- Planned Shutdowns Intimation: In case of planned shutdowns, MPMKVVCL provides prior intimation to consumers via SMS alerts sent 24 hours and 2 hours before the scheduled shutdown time
- Unplanned Shutdown Intimation: During unplanned interruptions, MPMKVVCL intimates' consumers via SMS if the duration exceeds 10 minutes
- Shutdown Updates: In case of shutdown, details of the same are also sent in complaint SMS.
- Monitoring Mechanisms: MPMKVVCL has developed a unique complaints mechanism to ensure timely and transparent complaint redressal.
- Real-Time Officer Alerts: In addition to above, officers follow-up on complaints through call center, SMS are also sent to officers regularly if complaints delayed or count of complaints exceeds suddenly in a specific area.
- Officers receive real-time intimation in case of supply failures, prolonged unplanned outages, or excessive interruptions on a feeder, enabling swift response and minimizing downtime.
- Performance Monitoring Tools: Different dashboard and reports are provided in our in house developed CRM- i Smapark and Nistha App for performance analysis and real-time monitoring of complaints.

#### West Discom Submission:

It is submitted that two services, namely load reduction and name transfer, have been designated for automatic processing, thereby granting compensation without requiring approval from the Junior Engineer (JE) or Executive Engineer (EE).

Additionally, a semi-automatic mechanism for the compensation service related to New Service Connection (NSC) is currently available and is projected to transition to full automation before filing of ARR Petition for FY 26-27.

Efforts to convert other services to a fully automatic process are ongoing. This transition is complicated by the necessity for physical verification, as well as possible delays arising from the consumer's side due to incomplete documentation or outstanding tasks. Consequently, these factors may impact the timelines outlined in the Guaranteed Standards.

Work is actively progressing within the distribution company to achieve full automation for the remaining services pertaining to commercial section (NOC, Release of Temporary connections NON-Extension, reconnection after disconnection, Resolution of complaints on consumer bills, Conversion of Service NON-Extension) for remaining services work is under progress.

It is respectfully submitted that the compliance report pertaining to the Madhya Pradesh electricity Distribution Code, 2024, has been diligently compiled and prepared by multiple sections within the Distribution Company (Discom). Moreover, the compliance report has been duly submitted in a timely manner by the Report of Compliance (RoC) within the Discom aligning with the regulatory mandates prescribed by the Madhya Pradesh Electricity Regulatory Commission (MPERC).

Further, regarding the compliance on Power Quality Regulations, the West Discom has submitted their response in action taken report on MoM held with Discoms on 19.06.25 via letter No.MD/WZ/05/COM/TRAC/24/13039 dated 14 Aug 2025.

The Discom is maintaining all Feeder 11 KV Feeder with Proper Meterisation and Survey of all fault Prone Location. The Company also take necessary action for renovation of Line and Substation and every month analyses SAIFI and SAIDI of cities with a Population of 1 Lakh and above. Reducing Unplanned Outages / Trappings with Proper Maintaining. The Discom share data of SAIFI & SAIDI target every month and achievements with Hon'ble MPERC as per the Commissions Vide Order dated 20<sup>th</sup> June 24.

Further, regarding the compliance on Madhya Pradesh Electricity Distribution Code Regulations, 2024, the Petitioner has submitted their response in action taken report on MoM held with Discoms on 19.06.25 via letter No.MD/WZ/05/COM/TRAC/15155 dated 19 September 2025.

## **7.7 Preparation of Standard Operating Procedures for Supplementary Bills**

### **Commission's Observations/ Directions:**

The Commission acknowledges the submission of the Draft Standard Operating Procedure (SOP) for mapping supplementary bills by MPPMCL. After reviewing the SOP, the Commission, via letter dated January 1, 2025, has granted in-principle approval to the SOP subject to the following terms and conditions:

“

- i. At each step, name of employee /officer, who has taken action as per SOP i.e uploading / downloading / hyperlinking / verifications / entry / passing of bills / payment etc. should appear.*
- ii. Details of main bills should also be uploaded for the same period.*
- iii. While giving reasons in terms of cause of action i.e tariff order/change in law/ change in water charges etc., date of such tariff order/change in law/ change in water*

charges etc. be indicated along with the intervening period after which supplementary bills is submitted by the Generator.

iv. A certificate from the authorized signatory of Generating station be uploaded stating that the claim has not been made earlier and that it is being made for the first time. This certificate must be duly endorsed and signed by authorized officer of MPPMCL.

v. Considering that the desired IT tools to facilitate verification of supplementary bills for previous years are not currently available, time of one month is granted to MPPMCL for the preparation of the required IT tools.

vi. MPPMCL shall demonstrate functionalities of IT tools to the Commission within the stipulated timeframe. Until the required IT tools are made operational, activities related to the verification of supplementary bills and consideration of associated costs towards supplementary bills by the Commission stand deferred.”

***The Commission directs the Petitioners to implement the approved SOP without delay, ensuring mechanisms for tracking payments, verifying claim settlements, and submitting a structured MS Excel report detailing claim calculations with critical parameters. The IT tools should enable easy retrieval of supplementary bill data, and each bill must specify the cause of action and basis for charges to enhance transparency. Quarterly compliance reports on adherence to these directives must be submitted.***

#### **MPPMCL Submission:**

For complying with the directions of the Commission, MPPMCL has entrusted the development of the IT tool, as per the approved SoP, to the MPSEDC team supporting MPPMCL’s IT systems. Earlier, these systems were supported by M/s L&T Infotech, who had developed the software for bill verification. The MPSEDC team is facing challenges in developing the required IT tool within the existing module and has sought additional scope to incorporate the specified software requirement specifications, which is presently under consideration. It is further submitted once the IT tool is developed, it will capture the details of supplementary bills recently received from the Generators; however, it may not be able to replicate all the required hyperlinked details of supplementary bills pertaining to prior periods.

### **7.8 Scheme for Accountability of Officer In charge – System thereof**

#### **Commission’s Observations/ Directions:**

The Commission has noted that East and West DISCOMs have submitted partial compliance while Central DISCOM submitted that the development of Personal Accountability Programme is under preparation.

In view of the above submissions, the Commission observed that the submissions are not in line with directives given by the Commission. Therefore, ***the Petitioners are directed to develop the Standard Operating Procedure for Personal Accountability Programme***

***with MPPMCL and submit the SOP within three months from the date of issuance of this Order.***

**East Discom Submission:**

It is submitted that the Roles and Responsibilities in East Discom are defined as per Company's order no. 5588 dated 15.09.2012. It is to apprise that Company has adopted the directives of GoMP, Energy Department conveyed vide letter no. 9948 dated 09.10.2023. Further, it is to apprise that Company has a policy of rewarding outstanding Officers and employees on every 15<sup>th</sup> August and 26<sup>th</sup> January. In case of negligence or misconduct by the employees of the company in the work assigned to them, action is taken as per the MP Civil Services (Classification, Control and Appeal) Rules, 1966.

**Central Discom Submission:**

Central Discom has role base KPI's (Key Performance Indicators) which encompass the roles and responsibilities of personnel. The Company has a dedicated Employee of the Month Policy for ensuring high performance individuals and the same is being recognized on our company portal. We have also requested that for development of SOP on Accountability Program, a committee should be formed at MPPMCL with participation of all three Discoms and GoMP.

**West Discom Submission:**

It is submitted that the Company has the personal accountability program for annual performance review (APR) which is based on KPI's (Key Performance Indicators) which encompass the roles and responsibilities of personnel. The above KPI's mechanism is also basis for reward and recognition on 15<sup>th</sup> August and 26<sup>th</sup> January every year. Further the Company has a dedicated Reward Policy for ensuring high performing individuals are rewarded.

Moreover time to time target-based rewards are also provided to officials viz Sona- chandi scheme, medals and certificated further clerical staff at field offices are also rewarded for high performance as per Reward Policy.

For directives regarding development of a personal accountability Programme encompassing the roles and responsibilities of personnel, mechanisms for accountability, reward and penalties and review mechanism, it is submitted that the Company's Org. Structure is under process of revision & staff crunch due to expansion & new developments & increase in consumer base & network is very high, moreover retirement is huge therefore in absence of staff & OICs the defined SOPs could not be implemented since officers cannot function as per prescribed guidelines specified in SoPs. Further, the work is under progress and under discussion with MPPMCL for framing of SoP's for accountability program of officers.

## **7.9 Geo-tagging of Assets**

**Commission's Observations/ Directions:**

The Commission has taken note of the Petitioners submissions. The Petitioners as per Regulation 24.1(A)(iii) of MYT Regulations, 2021 are required to geo-tag the assets and make requisite entries in the Fixed Asset Register. ***In view of this, the Petitioners are directed to geo-tag their assets in Fixed Assets Register as per the format specified by the Commission in MYT Regulations, 2021 and amendments thereof and submit the same in True-up filing for FY 2024-25.***

**East Discom Submission:**

It is submitted that the Petitioner has made necessary IT infrastructure upgradation and started Geo tagging its assets created under the RDSS scheme and same is being captured in Fixed Assets register of the Company. Further, the Company is in process to capture Geo tagged location of all the upcoming schemes asset apart from the RDSS scheme. Further the present status of the same is given below.

S.No.	Particulars	Geo tagged
1	33/11kV s/s	1247
2	33 kV feeder	757
3	11kv feeder	5559
4	DTR	303606
5	PTR	2194

**Central Discom Submission:**

Being submitted with True-up petition.

**West Discom Submission:**

It is submitted that the Petitioner has made necessary IT infrastructure upgradation and started Geo tagging its assets created under the RDSS scheme and same is being captured in Fixed Assets register of the Company for Assets capitalized in FY 2024-25. Further, the Company is in process to capture Geo tagged location of all the upcoming schemes assets apart from the RDSS scheme. The present status of the same is submitted to the Hon'ble MPERC vide letter no. MD/WZ/05/COM/TRAC/26/18820 dated 18.11.2025.

**7.10 Adhering to the timelines of RDSS**

**Commission's Observations/ Directions:**

The Commission has taken note of the Petitioners submissions. However the Petitioners are mandated to strictly comply with the predefined timelines established under the Revamped Distribution Sector Scheme (RDSS) for achieving key objectives such as the implementation of metering systems, up gradation of distribution infrastructure to minimize technical and commercial losses, and overall modernization of the power distribution network.

Additionally, **the Petitioners must ensure the timely execution and completion of all specified works within the prescribed deadlines under RDSS.** Compliance with these timelines is crucial for securing financial assistance under the scheme, as well as for

qualifying for additional incentives beyond the Gross Budgetary Support (GBS) provided by the government.

*The Commission once again directs the Petitioners to regularly monitor the progress of this initiative at the level of Managing Director. To facilitate transparency and ensure accountability, the Petitioners are required to submit quarterly status reports detailing the implementation status of the works under RDSS.* These reports will enable the Commission to assess compliance, track improvements in the distribution sector, and take necessary actions in case of any deviations from the stipulated guidelines.

**East Discom Submission:**

**Financial progress:** It is submitted that under the Revamped Distribution Sector Scheme (RDSS), a total project cost of loss reduction works ₹3,411 Cr was sanctioned. Against this, we have received ₹757.51 Cr from the Government of India and ₹389.21 Cr from the Government of Madhya Pradesh, totaling ₹1,146.72 Cr. Out of the received amount, ₹1,133.52 Cr has been utilized towards payments to vendors under the scheme, and the remaining balance is ₹13.20 Cr. East Discom is closely monitoring the implementation and remain committed for timely execution and submission of quarterly progress reports as required.

**Smart Meter Progress:** It is submitted that under RDSS, smart meters have been installed at 9,69,959 consumers, 4,621 DTRs and 8,124 feeders.

**Central Discom Submission:**

The details have already been submitted to the Hon'ble Commission vide this office letter no. MD/MK/RA/143 dated 01.09.2025

**West Discom Submission:**

It is submitted that the installation progress, smart meter installed during the period July'25 to Sep'25 is 44,168 and the cumulative smart meter installation under RDSS scheme is 8,25,741 Nos. Further the RDSS status report is submitted to the Hon'ble MPERC vide letter no. MD/WZ/05/COM/TRAC/26/18820 dated 18.11.2025.

## 7.11 Disposal of Surplus Power

### **Commission's Observation / Directions**

The Commission observed that the Petitioners have not fully complied with directives issued vide Order dated November 10, 2023, and January 5, 2024, in Petition No. 51/2023. Therefore, *the Petitioners are once again directed to ensure compliance and submit a quarterly report to the Commission.* Considering the projected surplus power during FY 2025-26, the Commission directs the Petitioners to explore all the options for sale of surplus power including but not limited to bi-lateral sale to the Distribution Licensees in hilly States, sale to other Distribution Licensees by participating in tenders floated by them for procurement of power on short-term basis, sale on Power Exchanges, PushP portal, HP-DAM and OTC Platform, etc.

***The Commission directs the DISCOMs that its directives given in its order in respect of petition no. 51/2023 in regarding to disposal of surplus power be complied and quarterly report be submitted.***

**MPPMCL Submission:**

It is submitted that in compliance to the Commission's directives, MPPMCL is exploring all the options to sale the surplus power so as to optimize the power purchase cost. Further, the information of sale of power through Power Exchange April'24 to Mar'25 is being submitted to the Hon'ble Commission in the True-petition for FY 2024-25. It is also submitted that the information of surplus power not sold i.e. surrender power for the period from Sep'24 to Aug'25 is being submitted in computation of Additional surcharge in soft copy.

**7.12 Meterisation of DTRs and Unmetered Rural Domestic Consumers Connections.**

**Commission's Observation / Directions**

To enhance transparency, improve energy accounting, and minimize distribution losses, ***DISCOMs must expedite the metering of Distribution Transformers (DTRs) and unmetered rural domestic consumer connections.*** The Commission has observed that progress in this regard remains unsatisfactory, particularly due to inadequate attention towards metering unmetered consumers and delays in the replacement of non-functional or defective meters. This lack of metering infrastructure impedes accurate energy measurement and adversely impacts energy audit efforts and measurement of losses. Overall it leads to inefficiencies in power distribution and results in financial losses to DISCOMs.

In light of these concerns, ***DISCOMs are directed to prioritize and accelerate the installation of meters for all DTRs and unmetered rural domestic connections.*** One time meterisation will also not work, unless the stopped/ defective meters are replaced in time. ***Additionally, robust mechanisms must be established to ensure prompt identification and replacement of defective meters to maintain the integrity of energy accounting systems. A systematic and time-bound approach must be adopted to eliminate gaps in metering coverage, thereby strengthening operational efficiency and regulatory compliance.***

Furthermore, under the provisions of the Energy Conservation Act, 2001, DISCOMs are designated consumers and are mandated to conduct energy audits in accordance with the Bureau of Energy Efficiency (BEE) Regulations, 2021. Given the critical role of DTR metering in enabling accurate energy audits, its implementation must be treated as a strategic priority. A comprehensive metering infrastructure will facilitate better load management, improve demand-side planning, and contribute to overall energy conservation efforts.

To ensure effective oversight and adherence to regulatory directives, ***the Commission mandates that DISCOMs submit quarterly progress reports detailing the status of DTR metering implementation, along with Energy Audit Reports.*** These reports will serve as

a key performance benchmark, enabling the Commission to monitor improvements in metering coverage and assess the impact on overall energy efficiency and loss reduction initiatives.

**East Discom Submission:**

East Discom had focused on replacing the Stop-Defective (SD) meters in Urban (DL, NDL, and Industrial) and Rural (NDL and Industrial) areas, achieving a reduction of defective meters to less than 1% in these categories. Now our focus is to replace SD meters of rural DL as well as meterisation of unmetered consumers and to replace 1.8 Lakhs unmetered connection. To address this, Discom has set a target to replace defective meters and install new ones for unmetered connections. Monitoring of progress is being carried out regularly.

<b>FY 24-25</b>	<b>Unmetered Rural Domestic Consumer Count</b>
<b>Q1</b>	186467
<b>Q2</b>	186378
<b>Q3</b>	183026
<b>Q4</b>	181082

**Central Discom Submission:**

It is humbly submitted that under RDSS Smart Metering scheme, meters are being replaces in Urban Areas. The non-smart meter removed from Urban area shall be utilized for replacement of stop defective meters after testing of the removed meters. It is also submitted that the Central Discom shall be installing Smart Meters in Rural areas also. However, the modalities and implementation strategy along with the tendering process is under discussion.

**West Discom Submission:**

**Part A:**

100% meterisation of Urban and Rural consumers (excluding Agriculture) was completed in the FY 2016-17. However, meterisation is a continuous process. As per the current status, West Discom has 6547 nos. of unmetered domestic consumers. As such, the unmetered connection (excluding Agriculture) in Ujjain Region is NIL and in Indore Region only 6547 nos. of domestic consumers are unmetered as per R-15 report of month April-25. These 6547 nos. of unmetered domestic consumers (i.e. Tribal area consumers of Dhar, Jhabua circle only) are connected with the load upto 500 watts under rural area and billed with only 75 units per month as per the prevalent tariff order. Discom had 15251 nos. of unmetered domestic connections as per the R-15 report of Mar-24, which are being reduced continuously and currently 6547 nos. of unmetered domestic connections are balanced as per the R-15 report of August-25. As such, Discom is making continuous efforts for meterisation of these balance unmetered connections. The

achievement of 100 % Meterisation will ensured up to the end of this FY 2025-26. The action plan for 100% meterisation is as below:-

Total Rural Domestic Unmetered Connection (As Per R15 Aug-25)	Plan for Meterisation					
	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
6547	1092	1091	1091	1091	1091	1091

**The identification of defective meters is ensured as follows:-**

- Identified by Meter Reader: The meter reader identifies the defective meter during meter reading.
- Identified by Office Assistant: During review of meter reading (PMR).
- Identified by Consumer: The consumer reports the defective meter to the DC/Zone In-charge which is further verified by DC in-charge.
- Identified Remotely: In smart meter system, defective meters are detected remotely via smart-meter communications by identifying anomalies in their electricity usage or power quality data.

**Part B:**

In the matter regarding replacement of stop/defective meters, in urban area West Discom has almost achieved 97% of the consumers billed as per meter. Some meters are defective during routine course of business, which are being promptly replaced in urban area. Further action is being taken for achieving 100% billing on the basis of actual consumption recorded in urban areas.

In rural area, it is submitted that in accordance with the current Statutory/Regulatory Framework, all existing meters are required to be replaced with smart meters. The Central Government has introduced the Revamped Distribution Sector Scheme (RDSS) in which a provision of 100% meters to be replaced with Smart meter has been provided. It is pertinent to mention that if the Discom were to procure non-smart or traditional meters to replace the existing ones, these newly procured meters would not reach the end of their anticipated lifespan. Consequently, this situation would result in a dual burden of costs- firstly for the non-smart meter used to replace the existing defective meter, and subsequently for the smart meter used to replace the non-smart meter.

Given this context, the task of replacement of defective meters should be carried out in alignment with the implementation of activities under the RDSS scheme. This approach would prevent unnecessary cost burdens and to ensure a coordinated and efficient meter replacement process.

Presently, the installation of smart meters is being done in the trajectory area under the RDSS scheme. On the installation of smart meters, the good spared non-smart meters found after testing are also being utilized against the replacement of stopped or defective

meters in the company area, which is not covered under the trajectory of the RDSS Scheme.

The good non-smart meters are being found after testing against the installation of smart meters are being reused for replacement of defective meters in rural areas in phased manner, accordingly the replacement of defective meters are being done on the priority i.e. Industrial Consumers, Non-Domestic Consumers, Pucca House Consumers.

Regarding replacement of Stop/ defective meter in rural area and in view of above, the meters are being replaced in phased manner. In the 110th meeting of Board of Directors of the company held on 12.06.2024, it was decided that the Stop/ defective meter of urban area shall be replaced on top priority. In rural area Discom has conducted survey of connections having pucca houses. Therefore, in rural area, the target has been fixed for 100% NDL & IP meter replacement and pucca houses stop/ defective meters. Overall a target of 4, 66, 361 meter replacement has been fixed to replace in 10 months. Till now 65,659 nos. meters have been replaced. After achieving meter replacement of these pucca house domestic connections the other meters will be replaced in phased manner either under RDSS or with non-smart meters.

Discom is committed for prompt identification and replacement of stop / defective meters.

### 7.13 Establishing of R&D Fund

#### **Commission's Observations / Directions**

The Commission acknowledges the submission of the Draft Standard Operating Procedure (SOP) for the Research and Development (R&D) Fund by MPPMCL. After a detailed review and discussion with MPPMCL on December 30, 2024, the Commission communicated its observations and recommendations, highlighting areas for refinement to align with regulatory standards and best practices.

*MPPMCL is directed to revise the SOP to enhance effectiveness and compliance by clearly defining eligibility criteria for R&D projects, roles and responsibilities of the R&D and R&D Fund Committees, fund approval and disbursement processes, reporting mechanisms, and performance evaluation metrics.* The revised SOP must align with national and state energy sector innovation policies and areas for studies relevant to Utilities needs and inculcating best practices in O&M and management areas.

*MPPMCL is directed to submit the revised SOP within one month of this Tariff Order for approval of the Commission.*

#### **MPPMCL Submission:**

It is submitted that the Energy Department, vide Order No. 9967/3773943/2025/तेरह/02 dated 13.11.2025, has recently constituted a Research and Development Committee comprising members from the DISCOMs, IITs, IIMs, CRPI, NIT, and IIITs. The revised SoP shall be prepared based on the suggestions and inputs received during the Committee's deliberations. In this regard, it is apprised to the Hon'ble Commission that the revised SoP will be submitted shortly.

## 7.14 Tariff Subsidy

### **Commission's Observation / Directions**

Upon examination of the first quarterly subsidy report for FY 2024-25, the Commission has communicated its observations and directives to the DISCOMs, MPPMCL, and the State Government vide letter dated February 24, 2025. The communication outlines key areas requiring attention, including adherence to regulatory provisions, transparency in subsidy disbursement, and compliance with financial reporting standards.

*In view of the above, DISCOMs and MPPMCL are directed to ensure the timely submission of subsequent quarterly subsidy reports, incorporating the necessary compliance measures as outlined in the Commission's letter dated February 24, 2025.* These reports must be submitted to the Commission within the timelines specified under Regulation 4(iv) of the MPERC (Manner of Payment of Subsidy by State Government) (Revision-I) Regulations, 2024, as amended.

### **East Discom Submission:**

The quarterly report is submitted regularly to the Hon'ble Commission.

### **Central Discom Submission:**

The quarterly report is submitted regularly to the Hon'ble Commission.

### **West Discom Submission:**

The quarterly subsidy report is submitted regularly to the commission in compliance with regulation 4 (iv) of the MPERC (Manner of payment of subsidy by State Govt.) (Revision-I) Regulation 2024.

# **TARIFF SCHEDULES**

**A19: TARIFF SCHEDULES FOR LOW TENSION CONSUMERS**

<b>Tariff Categories</b>		<b>Page No</b>
LV-1	Domestic	208
LV-2	Non-Domestic	212
LV-3	Public Water Works and Street Lights	215
LV-4	LT Industrial	217
LV-5	Agricultural and allied Activities	220
LV-6	e- Vehicle / e-Rickshaws charging stations	224
	General Terms and Conditions	225

## **Tariff Schedule - LV-1**

### **DOMESTIC**

#### **Applicability:**

This tariff is applicable for light, fan and power for residential use. Dharamshalas, Gaushalas, old age homes, day care centres for senior citizens, rescue houses, orphanages, Affordable Rental Housing Complex established under Pradhan Mantri Awas Yojana, Registered home stays under following Schemes of the State Government: (a) MP Homestay Establishment (Registration and Regulation) Scheme, 2010, Amended 2018, (b) MP Bed and Breakfast Establishment (Registration and Regulation) Scheme, 2019, (c) MP Farm Stay Establishment (Registration and Regulation) Scheme, 2019, (d) MP Gram Stay Establishment (Registration and Regulation) Scheme, 2019, places of worship and religious institutions will also be covered under this category.

#### **Tariff:**

#### **LV 1.1 (Consumers having sanctioned load not more than 100 watts (0.1 kW) and consumption not more than 30 units per month)**

##### **(a) Energy Charge and Fixed Charge – For metered connection**

Monthly Consumption (units)	Existing		Proposed	
	Energy Charge (paise per unit)	Monthly Fixed Charge	Energy Charge (paise per unit)	Monthly Fixed Charge
	Urban and Rural			
Up to 30 units	350	NIL	392	Nil

#### **LV 1.2**

##### **(i) Energy Charge and Fixed Charge – For metered connection**

Monthly Consumption Slab Urban / Rural areas (units)	Existing			Proposed		
	Energy Charge with telescopic benefit (paise per unit) Urban / Rural areas	Monthly Fixed Charge (Rs)		Energy Charge with telescopic benefit (paise per unit) Urban / Rural areas	Monthly Fixed Charge (Rs)	
		Urban areas	Rural areas		Urban areas	Rural areas
Up to 50 units	445	76 per connection	62 per connection	478	95 per connection	78 per connection
51 to 150 units	541	129 per connection	106 per connection	582	161 per connection	133 per connection
151 to 300 units <sup>#</sup> / Above 150 units <sup>*</sup>	679	28 for each 0.1 kW of authorized load	26 for each 0.1 kW of authorized load	730	31 or each 0.1 KW of authorized load	29 for each 0.1 KW of authorized load
Above 300 units	698	28 for each 0.1 kW of authorized load	26 for each 0.1 kW of authorized load			

#Existing slab \*Proposed

**Notes:**

1. The fixed charges shall be levied considering every 15 units of consumption per month or part thereof equal to 0.1 kW of load. Example: If consumption during the month is 155 units, then the fixed charges shall be levied for 1.1 kW. In case the consumption is 350 units then the fixed charges shall be levied for 2.4 kW.
2. In cases where the readings are recorded for the duration other than the respective days of the month, the consumption shall be prorated for the month so as to arrive at the proportionate units eligible for different slabs in a particular billing month. Accordingly, the Fixed and Energy Charges shall be computed.

**Illustration**Previous Meter Reading: 4<sup>th</sup> April 2025Next Meter Reading: 10<sup>th</sup> May 2025

Consumption period: 36 days

Consumption: 450 units

Slab-wise consumption to be considered for billing:

Slab	Computation of Consumption on Pro-rata basis	Units to be considered for billing (kWh)
0-50	50 units/30 days*36 days	60
51-150	100 units/30 days *36 days	120
Above 150	Balance Units	270
<b>Total</b>		<b>450</b>

# Billing of fixed charges shall be done after pro-rating the consumption for 30 days (i.e. billing period) in the above manner.

**(ii) Energy Charge and Fixed Charge – For temporary connection and DTR meter**

Temporary connection	Existing			Proposed		
	Energy Charge (paise per unit) Urban/ Rural areas	Monthly Fixed Charge (Rs)		Energy Charge (paise per unit) Urban/ Rural areas	Monthly Fixed Charge (Rs)	
		Urban areas	Rural areas		Urban areas	Rural areas
Temporary connection for construction of own house (max. up to three years)	1.25 times the tariff applicable as per schedule LV 1.2 (i)			1.25 times the tariff applicable as per schedule LV 1.2 (i)		
Temporary connection for social/ marriage purposes and religious functions*	868	82 for each one kW of sanctioned or connected or recorded load, whichever is	67 for each one kW of sanctioned or connected or recorded load, whichever is	933	103 for each one kW of sanctioned or connected or recorded load,	84 for each one kW of sanctioned or connected or recorded load,

Temporary connection	Existing			Proposed		
	Energy Charge (paise per unit) Urban/ Rural areas	Monthly Fixed Charge (Rs)		Energy Charge (paise per unit) Urban/ Rural areas	Monthly Fixed Charge (Rs)	
		Urban areas	Rural areas		Urban areas	Rural areas
		highest, for each 24 hours duration or part thereof.	highest, for each 24 hours duration or part thereof.		whichever is highest, for each 24 hours duration or part thereof.	whichever is highest, for each 24 hours duration or part thereof.
Supply through DTR meter for clusters of Jhuggi / Jhopadi till individual meters are provided	391	Nil	Nil	488	Nil	Nil

*\*Note: For the consumers in this category, the Distribution Licensee shall provide trivector / bivector Meter capable of recording demand in kVA/kW, kWh, kVAh*

**(iii) Energy Charge and Fixed Charge for un-metered rural domestic connections having connected load up to 500 watts:**

Particulars	Existing		Proposed	
	Units and Energy Charge to be billed per month for unmetered connections (Paise per Unit)	Monthly Fixed Charge (Rs)	Units and Energy Charge to be billed per month for unmetered connections (Paise per Unit)	Monthly Fixed Charge (Rs)
Un-metered connection in rural areas having connected load up to 500 watts	75 units @ 548 per unit	117 per connection	75 units @ 589 per unit	146 per connection

**Specific Terms and Conditions for LV-1 category:**

- No minimum charges are applicable to this category of consumers.
- In case of prepaid consumers, a rebate of 25 paise per unit shall be applicable on the energy charges and all other charges shall be calculated on the Tariff applicable after rebate. A consumer opting for prepaid meter shall not be required to make any security deposit. Other provisions with regard to prepaid consumers shall be as per the Practice Directions and SOP approved by the Commission.
- Additional charge for Excess connected load or Excess demand:** No extra charges are applicable on the energy/fixed charges due to the excess demand or excess connected load.
- In case of temporary requirement for renovation/upgradation of premises, load for such temporary purpose is allowed to be used from existing metered connection on the same

tariff applicable for permanent connection subject to other terms and conditions of LT Domestic Tariff.

- e) **Time of Day (ToD) Rebate/Surcharge:** This rebate/surcharge shall be applicable as specified in General Terms and Conditions of Low-Tension Tariff.
- f) Other terms and conditions shall be as specified under **General Terms and Conditions for Low Tension Tariff.**

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**Tariff Schedule – LV-2****NON-DOMESTIC****LV 2.1****Applicability:**

This tariff is applicable for light, fan and power to Schools / Educational Institutions including workshops and laboratories of Engineering Colleges / Polytechnics/ITIs (which are registered with /affiliated/ recognized by the relevant Govt. body or university), Hostels for students or working women or sports persons.

**Tariff:**

Tariff shall be as given in the following table:

Sub-category	Existing			Proposed		
	Energy Charge (paise/unit) Urban/ Rural areas	Monthly Fixed Charge (Rs.)		Energy Charge (paise/unit) Urban/ Rural areas	Monthly Fixed Charge (Rs.)	
		Urban areas	Rural areas		Urban areas	Rural areas
Sanctioned load-based tariff (only for connected load up to 10 kW)	670	162 per kW	131 per kW	717	186 per kW	151 per kW
Demand based tariff Mandatory for Connected load above 10 kW	690	281 per kW or 225 per kVA of billing demand	241 per kW or 193 per kVA of billing demand	738	323 per kW or 259 per kVA of billing demand	277 per kW or 222 per kVA of billing demand

**LV 2.2****Applicability:**

This tariff is applicable for light, fan and power to Railways (for purposes other than traction and supply to Railway Colonies/water supply), Shops/showrooms, Parlors, All Offices, Hospitals and medical care facilities including Primary Health Centers, clinics, nursing homes belonging to either Govt. or public or private organisations, public buildings, guest houses, Circuit Houses, Government Rest Houses, X-ray plant, recognized Small Scale Service Institutions, clubs, restaurants, eating establishments, meeting halls, places of public entertainment, circus shows, hotels, cinemas, professional's chambers (like Advocates, Chartered Accountants, Consultants, Doctors etc.), bottling plants, marriage gardens, marriage houses, advertisement services, advertisement boards/ hoardings, training or coaching institutes, petrol pumps and service stations, tailoring shops, laundries, gymnasiums, health clubs, telecom towers for mobile communication and any other establishment which is not covered in other LV categories.

**Tariff:**

Tariff shall be as given in the following table:

Sub-category	Existing			Proposed		
	Energy Charge (paise/unit) Urban/ Rural areas	Monthly Fixed Charge (Rs.)		Energy Charge (paise/unit) Urban/ Rural areas	Monthly Fixed Charge (Rs.)	
		Urban areas	Rural areas		Urban areas	Rural areas
Sanctioned load-based tariff (only for connected load up to 10 kW) On all units if monthly consumption is <b>up to 50 units*</b>	650	88 per kW	73 per kW	696	101 per kW	84 per kW
Sanctioned load-based tariff (only for connected load up to 10 kW) On all units in casemonthly consumption exceeds <b>50 units</b>	800	144 per kW	123 per kW	856	166 per kW	141 per kW
Demand based tariff ( <b>Mandatory</b> for Connected load above 10 kW)	710	302 per kW or 242 per kVA of billing demand	220 per kW or 176 per kVA of billing demand	760	347 per kW or 278 per kVA of billing demand	253 per kW or 203 per kVA of billing demand
Temporary connection including Multi point temporary connections at LT for Mela*	890	230 per kW or part thereof of sanctioned or connected or recorded load, whichever is the highest	201 per kW or part thereof of sanctioned or connected or recorded load whichever is the highest	952	265 per kW or part thereof of sanctioned or connected or recorded load, whichever is the highest	231 per kW or part thereof of sanctioned or connected or recorded load whichever is the highest
Temporary connection for marriage purposes at marriage gardens or marriage halls or any other premises covered under LV. 2.1 and 2.2 categories (D)	890	93 for each kW or part thereof of sanctioned or connected or recorded load, whichever is the highest for each 24 hours duration or part thereof	73 for each kW or part thereof of sanctioned or connected or recorded load, whichever is the highest for each 24 hours duration or part thereof	952	107 for each kW or part thereof of sanctioned or connected or recorded load, whichever is the highest for each 24 hours duration or part thereof.	84 for each kW or part thereof of sanctioned or connected or recorded load, whichever is the highest for each 24 hours duration or part thereof.

\*\*In case permission for organizing Mela is granted by Competent Authorities of the Government of Madhya Pradesh.

**Specific Terms and Conditions for LV-2 category:**

- a) No minimum charges are applicable to this category of consumers.
- b) **Additional Charge for excess load / demand:** Shall be billed as given in General Terms and Conditions of Low Tension tariff.
- c) **For LV-2.1 and LV-2.2:** For the consumers having connected load in excess of 10 kW, demand based tariff is mandatory. The consumers having connected load up to and including 10 kW may also opt for demand based tariff.
- d) In case of prepaid consumers, a rebate of 25 paise per unit shall be applicable on the energy charges and all other charges shall be calculated on the Tariff applicable after rebate. A consumer opting for prepaid meter shall not be required to make any security deposit. Other provisions with regard to prepaid consumers shall be as per the Practice Directions and SOP approved by the Commission.
- e) **Time of Day (ToD) Rebate/Surcharge:** This rebate/surcharge shall be applicable as specified in General Terms and Conditions of Low Tension Tariff.
- f) Other terms and conditions shall be as specified under **General Terms and Conditions of Low Tension Tariff.**

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**Tariff Schedule – LV-3****PUBLIC WATER WORKS AND STREET LIGHTS****Applicability:**

The tariff LV-3 is applicable for Public Utility Water Supply Schemes, Sewage Treatment Plants, Sewage Pumping Installations run by P.H.E. Department or Local Bodies or Gram Panchayats or any other organization authorised by the Government to supply/ maintain public water works / sewerage installations, traffic signals and lighting of public streets or public places including parks, town halls, monuments and its institutions, museums, public toilets, public libraries, reading rooms run by the Government or Local Bodies, and Sulabh Shochalaya and shall also be applicable to electric crematorium maintained by local bodies/trusts.

**Note: Private water supply scheme, water supply schemes run by institutions for their own use/ employees/ townships etc. shall not fall in this category. These shall be billed under the appropriate tariff category to which such institution belongs. In case water supply is being used for two or more different purposes then entire consumption shall be billed for purpose for which the tariff is higher.**

**Tariff:**

Category of consumers/area of applicability	Existing			Proposed		
	Energy Charge (Paise per unit)	Monthly Fixed Charge (Rs per KW)	Minimum charges (Rs)	Energy Charge (Paise per unit)	Monthly Fixed Charge (Rs per KW)	Minimum charges (Rs)
Municipal Corporation/ Cantonment board /Municipality / Nagar Panchayat	603	372	No Minimum Charges	663	465	No Minimum Charges
Gram Panchayat	575	184		633	221	

**Specific Terms and Conditions for LV-3 category:****a) Incentives for adopting Demand Side Management:**

An **incentive** equal to 5 % of Energy Charges shall be given on installation and use of energy saving devices (such as ISI energy efficient motors for pump sets and programmable on-off/ dimmer switch with automation for street lights). **Incentive** will be admissible only if full bill is paid within due dates failing which all consumed units will be charged at normal rates. Such incentive will be admissible from the month following the month in which energy saving devices are put to use and are verified by a person authorized by the Distribution Licensee. This incentive will continue to be allowed till such time these energy saving devices remain in service. The Distribution Licensee is required to arrange wide publicity of above incentive.

- b) Tariff for temporary connection shall be 1.25 times the applicable tariff.
- c) **Time of Day (ToD) Rebate/Surcharge:** This rebate/surcharge shall be applicable as specified in General Terms and Conditions of Low-Tension Tariff.
- d) No minimum charges are applicable to this category of consumers.
- e) Other terms and conditions shall be as specified under **General Terms and Conditions of Low Tension Tariff.**

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**Tariff Schedule – LV-4****LT INDUSTRIAL****Applicability:**

Tariff LV-4 is applicable to light, fan and power for operating equipment used by printing press and any other industrial establishments and workshops (where any processing or manufacturing takes place including tyre re-treading). These tariffs are also applicable to cold storage, gur (jaggery) making machines, flour mills, Masala Chakkies, hullers, khandsari units, ginning and pressing units, sugar cane crushers (including sugar cane juicing machine), power looms, dal mills, besan mills, and ice factories and any other manufacturing or processing units (excluding bottling plant) producing/processing food items or processing agriculture produce for preservation/increasing its shelf life and Dairy units ( where milk is processed to produce other end products of milk other than chilling, pasteurization etc.)

**Tariff:**

Sr. no	Category of consumers/area of applicability	Existing			Proposed		
		Monthly Fixed Charge (Rs per KW)		Energy Charge (Paise per unit)	Monthly Fixed Charge (Rs per KW)		Energy Charge (Paise per unit)
		Urban Areas	Rural Areas		Urban Areas	Rural Areas	
4.1	<b>Non-seasonal consumers</b>						
4.1 a	Demand based tariff*	326 per kW or 261 per kVA of billing demand	211 per kW or 169 per kVA of billing demand	676	359 per kW or 288 per kVA of billing demand	232 per kW or 186 per kVA of billing demand	723
* In case of consumers having contract demand up to 20 HP/15 kW, the energy charges and fixed charges shall be billed at a rate 30% less than the charges shown in above table for tariff category 4.1a.							
Provided that, consumers whose recorded maximum demand during a month is more than 20 HP/15 kW, rebate of 30% shall not be applicable for that particular month.							
4.2	<b>Seasonal Consumers</b> (This tariff shall be applicable to such seasonal industries / consumers defined under this schedule)						
4.2 a	<b>During Season</b>	Normal tariff as for Non seasonal consumers	Normal tariff as for Non seasonal consumers	Normal tariff as for Non seasonal consumers	Normal tariff as for Non seasonal consumers	Normal tariff as for Non seasonal consumers	Normal tariff as for Non seasonal consumers
4.2 b	<b>During Off season</b>	Normal tariff as for Non-seasonal consumers on 10 % of contract demand or actual recorded demand, whichever is more	Normal tariff as for Non-seasonal consumers on 10 % of contract demand or actual recorded demand, whichever is more	120 % of normal tariff as for Non-seasonal consumers	Normal tariff as for Non-seasonal consumers on 10 % of contract demand or actual recorded demand, whichever is more	Normal tariff as for Non-seasonal consumers on 10 % of contract demand or actual recorded demand, whichever is more	120 % of normal tariff as for Non-seasonal consumers

**Specific Terms and Conditions for LV-4 category:**

- (a) The maximum demand of the consumer in each month shall be reckoned as four times the largest amount of kilovolt ampere hours delivered at the point of supply of the consumer during any continuous fifteen minutes in that month.
- (b) Demand based tariff is mandatory for all the LT industrial consumers.
- (c) **Additional Charge for Excess Demand:** Shall be billed as given in the General Terms and Conditions of Low Tension Tariff.
- (d) **Time of Day (ToD) Rebate/Surcharge:** This rebate/surcharge shall be applicable as specified in General Terms and Conditions of Low Tension Tariff.
- (e) No minimum charges are applicable to this category of consumers.
- (f) **Other Terms and conditions for seasonal consumers:**
- i. Season shall mean continuous period up to 6 months with a ceiling of 185 days.
  - ii. Period other than the declared season shall be considered as the off season period.
  - iii. The consumer has to declare months of season and off season for a year within 60 days of issuance of this tariff order and inform the same to the Distribution Licensee. The Year in this case shall be a period of 12 months commencing from start of season / off season, as applicable. If the consumer has already declared the period of season and off-season prior to issuance of this order, same shall be taken into cognizance for the purpose and accepted by the Distribution Licensee.
  - iv. The seasonal period once declared by the consumer cannot be changed during the year.
  - v. If the declared season or off-season spreads over two tariff periods, then the tariff for the respective period shall be applicable.
  - vi. This tariff is not applicable to composite units having seasonal and other category of loads.
  - vii. The consumer will be required to restrict his monthly off season consumption to 15% of the highest of average monthly consumption during the preceding three seasons. In case this limit is exceeded in any off season month, the consumer will be billed under Non seasonal tariff for the whole year (as opted) as per the tariff in force.
  - viii. The consumer will be required to restrict his maximum demand during off season up to 30 % of the contract demand. In case the maximum demand recorded in any month of the declared off season exceeds 36% of CD (120% of 30% of CD), the consumer

will be billed under Non seasonal tariff for the whole year (as opted) as per the tariff in force.

(g) The tariff for temporary connection for Non seasonal consumers shall be 1.25 times of the applicable tariff.

(h) Other terms and conditions shall be as specified under **General Terms and Condition of Low-Tension Tariff.**

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**Tariff Schedule – LV-5****AGRICULTURE AND ALLIED ACTIVITIES****Applicability:**

**The tariff LV-5.1** shall apply to connections for agricultural pump, chaff cutters, threshers, winnowing machines, seeding machines, irrigation pumps of lift irrigation schemes including water drawn by agriculture pumps for use by cattle and pump connections for the purpose of fodder farming associated to Gaushalas.

**The tariff LV-5.2** shall apply to connections for nurseries, farms growing flowers/ plants/ saplings/ fruits, mushroom and grasslands.

**The tariff LV-5.3** shall apply to connections for fisheries ponds, aquaculture, sericulture, hatcheries, poultry farms, cattle breeding farms and those dairy units only where extraction of milk and its processing such as chilling, pasteurization etc. is done.

**The tariff LV- 5.4** shall apply to connections for permanent agricultural pump, chaff cutters, threshers, winnowing machines, seeding machines, irrigation pumps of lift irrigation schemes including water drawn by agriculture pumps for use by cattle and pump connections for the purpose of fodder farming associated to Gaushalas to whom flat rate tariff is applicable.

**Tariff:**

Sr. no.	Sub-Category	Existing		Proposed	
		Monthly Fixed charges (Rs.)	Energy charges (Paise per unit)	Monthly Fixed charges (Rs.)	Energy charges (Paise per unit)
<b>LV-5.1</b>					
a)(i)	First 300 units per month	67	507	113	6.41
(ii)	Above 300 units up to 750 units in the month	83	610		
(iii)	Rest of the units in the month	91	638		
b)	Temporary connections	91	638	@1.25 times of the applicable tariff	
c)	DTR metered group consumers	Nil	487	Nil	545
<b>LV-5.2</b>					
a)(i)	First 300 units per month	67	507	113	6.41
(ii)	Above 300 units up to 750 units in the month	83	610		
(iii)	Rest of the units in the month	91	638		
b)	Temporary connections	91	638	@1.25 times of the applicable tariff	
<b>LV-5.3</b>					
a)	Up to 25 HP connected load in <b>Urban areas</b>	129 per HP	563	168 per HP	631
b)	Up to 25 HP connected load in <b>Rural areas</b>	98 per HP	546	127 per HP	612

Sr. no.	Sub-Category	Existing		Proposed	
		Monthly Fixed charges (Rs.)	Energy charges (Paise per unit)	Monthly Fixed charges (Rs.)	Energy charges (Paise per unit)
c)	Demand based tariff* (Mandatory above 25 HP connected load) in <b>Urban areas</b>	288 per kW or 230 per kVA of billing demand	638	374 per kW or 300 per kVA of billing demand	715
d)	Demand based tariff* (Mandatory above 25 HP connected load) in <b>Rural areas</b>	157 per kW or 126 per kVA of billing demand	638	204 per kW or 164 per kVA of billing demand	715
<b>LV-5.4</b>					
See para 1.2 of terms & conditions					

\* The Demand based tariff shall be applicable for Contract demand up to the limit specified for LT Supply in the Madhya Pradesh Electricity Supply Code, 2021 and its amendments thereof.

**Note:**

- The agriculture consumers in urban area connected to a feeder other than separated agriculture feeder will be billed as per consumption recorded in the meter. Existing unmetered consumers may be billed as per flat rate till meters are installed. DISCOMS must ensure that meters on all such connections are installed by the end of the current financial year.**
- Tariff for Temporary connections under LV-5.1, LV-5.2 and LV-5.3 sub-categories will be 1.25 times the applicable tariff.

**Specific Terms and Conditions for LV-5 category:**

**1.1 Billing of consumers under tariff schedule LV 5.1:** Billing to the consumers covered under tariff schedule LV 5.1 shall be done on a monthly basis based on the consumption recorded in the meter. Unmetered temporary connection under this schedule shall be billed on the basis of assessment of consumption provided under condition 1.3 (iii) of this schedule.

**1.2 Billing of consumers under tariff schedule LV 5.4:** The bill for the consumer covered under the tariff category LV 5.4 shall be calculated at the rates specified under the tariff schedule LV 5.1 based on norms for assessment of units per HP specified under condition of this schedule. In event of tariff subsidy for consumers, action as mandated under Section 65 of the Electricity Act, 2003 shall be ensured by all concerned and such consumers shall be billed accordingly by the Distribution Licensees.

**1.3 Basis of energy audit and accounting for categories LV 5.1 and LV 5.4:**

- For energy audit and accounting purposes, actual billed consumption of LV 5.4 and metered consumers covered under tariff schedule LV 5.1 shall be considered.
- For unmetered agriculture consumers under LV 5.4 category, assessed consumption shall be as per following norms.

Particulars	No. of units per HP of sanctioned load per month	
	Urban/Rural Area	
Type of Pump/Motor	April to Sept	Oct to March
Three Phase	95	170
Single Phase	95	180

(iii) For unmetered temporary agriculture consumers under LV 5.1 category, assessed consumption shall be as per following norms:

Particulars	No. of units per HP of sanctioned load per month	
	Urban/Rural Area	
Type of Pump/Motor	April to Sept	Oct to March
Three Phase	220	195
Single Phase	230	205

- 1.4** Agricultural consumers opting for temporary supply shall have to pay the charges in advance for three months including those who request to avail connection for one month only subject to replenishment from time to time for extended period and adjustment as per final bill after disconnection. Regarding temporary connection for the purpose of threshing the crops, temporary connection for a period of one month can be served at the end of Rabi and Kharif seasons only with payment of one month's charges in advance.
- 1.5** Following **incentive\*** shall be given to the metered agricultural consumers on installation of energy saving devices –

Sr.no.	Particulars of Energy Saving Devices	Rate of rebate
1.	ISI / BEE star labelled motors for pump sets	15 paise per unit
2.	ISI / BEE star labelled motors for pump sets and use of frictionless PVC pipes and foot valve	30 paise per unit
3.	ISI / BEE star labeled motors for pump sets and use of frictionless PVC pipes and foot valves along with installation of shunt capacitor of appropriate rating	45 paise per unit

\* Incentive shall be allowed on the consumer's contribution part of the normal tariff (full tariff minus amount of Govt. subsidy per unit, if any) for installation of energy saving devices under demand side management. This incentive will be admissible only if full bill is paid within due dates failing which all consumed units will be charged at normal rates. Incentive will be admissible from the month following the month in which Energy Saving Devices are put to use and its verification by a person authorized by the Distribution Licensee. The Distribution Licensee is required to arrange wide publicity to above incentive in rural areas. The licensee is required to place quarterly information regarding incentives provided on its website.

**1.6 Additional Charge for Excess Demand:** Shall be billed as given in the **General Terms and Conditions of Low Tension Tariff.**

**1.7 Delayed payment surcharge** in case of agriculture consumers on LV - 5.4 (proposed to be merged under LV: 5.1) flat rate tariff shall be levied @ of Rs 1 every month for each block or part thereof of arrears of Rs.100/-. For other sub categories of this Tariff

Schedule, the delayed payment surcharge shall be billed as specified under General Terms and Conditions of Low Tension Tariff.

**1.8 Specific conditions for DTR metered consumers:**

- a) All the consumers connected to the DTR shall pay the energy charges for the units worked out based on their actual connected load.
- b) The Distribution Licensee will obtain consent of such connected consumers for billing as per procedure specified in (a) above.

**1.9** One CFL/ LED lamp up to 20 Watt is permitted at or near the pump in the power circuit.

**1.10** The use of three phase agriculture pump by installing external device during the period when the supply is available on single phase, shall be treated as illegal extraction of energy and action as per prevailing rules and Regulations shall be taken against the defaulting consumer.

**1.11** No minimum charges are applicable to this category of consumers.

**1.12 Time of Day (ToD) Rebate/Surcharge:** This rebate/surcharge shall not be applicable to this category of consumers.

**1.13** Other terms and conditions shall be as specified under **General Terms and Conditions of Low Tension Tariff.**

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**Tariff Schedule - LV-6****E- VEHICLE / E-RICKSHAWS CHARGING STATIONS****Applicability:**

The tariff is applicable exclusively for Electric Vehicle / Electric Rickshaws charging and battery swapping stations. However, tariff for other consumers who use electricity for charging their own Vehicle / Rickshaws shall be the same as applicable for the relevant category of metered connection from which the Vehicle / Rickshaws are being charged.

**Tariff:**

Category	Energy Charge (Paise/unit)	
	Existing	Proposed
Electric Vehicle/ Rickshaw charging installations	714	783

**Specific Terms and Conditions for LV-6 category:**

- a) The energy charges for E- Vehicle / E- Rickshaws charging stations shall be applicable as below:-
  - (i) **During Solar Hours (9 AM to 5 PM):** Rebate of 20% on normal rate of energy charge shall be applicable on energy consumed during this period and;
  - (ii) **During Non-Solar Hours (for remaining part of Day):** Surcharge of 20% on normal rate of energy charge shall be applicable on energy consumed during this period.
- b) No minimum charges are applicable to this category of consumers.
- c) Other terms and conditions shall be as specified under **General Terms and Conditions of Low Tension Tariff.**

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## **GENERAL TERMS AND CONDITIONS OF LOW TENSION TARIFF**

- 1. Rural Areas** mean those areas notified by the GoMP vide notification no. 2010/F13 /05/13/2006 dated 25th March 2006 as may be amended from time to time. Urban areas mean all areas other than those notified by the GoMP as Rural Areas.
- 2.** Tariff for Green Energy shall comprise of two elements namely, normal tariff as applicable to that category of consumer and Green Energy Charges as mentioned in Clause 10 of General Terms and Conditions of LT Tariff.
- 3. Rounding off:** All bills will be rounded off to the nearest rupee i.e. up to 49 paisa shall be ignored and 50 paisa upwards shall be rounded off to next Rupee.
- 4. Billing Demand:** In case of demand based tariff, the billing demand for the month shall be the actual maximum KW or kVA demand (as the case may be) of the consumer during the month or 90% of the contract demand, whichever is higher. The billing demand shall be rounded off to the nearest integer number i.e. fraction of 0.5 or above will be rounded to next higher integer and the fraction of less than 0.5 shall be ignored.
- 5. Fixed charges billing:** Unless specified otherwise, fractional load for the purposes of billing of fixed charges shall be rounded off to nearest integer i.e. fraction of 0.5 or above will be rounded to next higher integer and the fraction of less than 0.5 shall be ignored. However, for loads less than one kW/HP, it shall be treated as one kW/HP.
- 6. Additional Charge for excess load/demand:** Shall be billed as per the following procedure:
  - a) For demand based tariff:** The consumers availing supply at demand based tariff shall restrict their actual maximum demand within the contract demand. However, in case the actual maximum demand recorded in any month exceeds 120% of the contract demand, the tariff in this schedule shall apply to the extent of 120 % of the contract demand only. The consumer shall be charged for demand recorded in excess of 120% of contract demand (termed as Excess Demand) at the following rates: -
    - i. Energy charges for excess demand:** No extra charges are applicable on energy charges due to excess demand.
    - ii. Fixed Charges for excess demand:** These charges shall be billed as per the following:
      - 1. Fixed Charges for excess demand when the recorded maximum demand is up to 130% of the contract demand:** Fixed Charges for Excess Demand over and above the 120 % of contract demand shall be charged at 1.3 times the normal rate of Fixed Charges.
      - 2. Fixed Charges for excess demand when the recorded maximum demand exceeds 130% of contract demand:** In addition to Fixed Charges in 1 above,

recorded demand over and above 130 % of the contract demand shall be charged at 2 times the normal rate of Fixed Charges.

**b) For sanctioned load based tariff:** The consumers availing supply at sanctioned load based tariff shall restrict their actual connected load within the sanctioned load. However, in case the actual connected load in any month exceeds 120% of the sanctioned load, the tariff in this schedule shall apply to the extent of 120 % of the sanctioned load only. The consumer shall be charged for the connected load found in excess of 120% of the sanctioned load (termed as Excess Load) at the following rates:-

- i. **Energy charges for excess load:** No extra charges are applicable on energy charges due to excess connected load.
- ii. **Fixed Charges for excess load:** These charges shall be billed as per the following:
  1. **Fixed Charges for excess load when the connected load is found up to 130% of the sanctioned load:** Fixed Charges for Excess load over and above the 120 % of sanctioned load shall be charged at 1.3 times the normal rate of Fixed Charges.
  2. **Fixed Charges for excess load when the connected load exceeds 130% of sanctioned load:** In addition to Fixed Charges in 1 above, connected load found over and above 130 % of the sanctioned load shall be charged at 2 times the normal rate of Fixed Charges.

c) The above billing for excess load / demand, applicable to consumers is without prejudice to the Distribution Licensee's right to ask for revision of sanctioned load / contract demand and other such rights that are provided under the Regulations notified by the Commission or under any other law.

d) The maximum demand of the consumer in each month shall be reckoned as four times the largest amount of kilovolt-ampere hours delivered at the point of supply of the consumer during any continuous fifteen minutes in that month.

#### **7. Incentives/Rebates:**

(a) **Rebate on advance payment:** For advance payment made before commencement of consumption period for which bill is prepared, a rebate at one twelfth of annual interest rate in percentage applicable on working capital shall be given on the amount (excluding security deposit), which remains with the Distribution Licensee at the end of billing month. However, such amount shall be credited to the account of the consumer after adjusting any amount payable to the Distribution Licensee.

***Explanation:- Rate of Interest on working capital shall be equal to the Base Rate as on 1st April of FY 2025-26 plus 350 basis points.***

**(b) Incentive for prompt payment:** An incentive for prompt payment @ 0.50% of the bill amount (excluding security deposit, any subsidy given by Government and Government levies viz. Electricity Duty and Cess etc.) shall be given in case the payment is made at least 7 days in advance of the due date of payment where the current month billing amount is equal to or greater than Rs. Ten Thousand. The consumers in arrears shall not be entitled for this incentive.

**(c) Rebate for online bill payment:**

- (i) Rebate of 0.50% on the total bill amount subject to maximum Rs.20 and minimum Rs 5 shall be applicable.

Provided that the consumers covered under LV-1: Domestic, shall be eligible for rebate of 0.50% on total bill amount, without any ceiling on maximum rebate amount.

- (ii) The rebate as per Clause 7(c) (i) above, shall also be applicable to prepaid consumer on all types of recharges irrespective of mode of recharge i.e., Online or Offline:

Provided that such rebate shall not be applicable for initial recharge amount brought forward from security deposit amount of the prepaid consumers.

**(d) Load Factor incentive:** Following slabs of incentive shall be allowed for consumers billed under demand based tariff:

Load factor	Concession in energy charges
Above 25% and up to 30 % load factor on contract demand	12 paise per unit concession on the normal energy charges for all energy consumption over and above 25% load factor during the billing month
Above 30% and up to 40 % load factor on contract demand	In addition to load factor concession available up to 30% load factor, concession at the rate of 24 paise per unit on the normal energy charges for all energy consumption over and above 30 % load factor during the billing month
Above 40% load factor on contract demand	In addition to load factor concession available up to 40% load factor, concession at the rate of 36 paise per unit on the normal energy charges for all energy consumption over and above 40% load factor during the billing month

The **load factor** shall be calculated as per the following formula:

$$\text{Load Factor (\%)} = \frac{\text{Monthly consumption} \times 100}{\text{No. of hours in the billing month} \times \text{Demand (kW)}}$$

- i. Monthly consumption shall be units (kWh) consumed in the month excluding

those received from sources other than Licensee.

- ii. No. of Hours in billing month shall exclude period of scheduled outages in hours.
- iii. Demand shall be maximum demand recorded or contract demand whichever is higher.

**Note:** The Load Factor (%) shall be rounded off to the nearest lower integer. The billing month shall be the period in number of days between the two consecutive dates of meter readings taken for the purpose of billing to the consumer for the period under consideration as a month.

**(e) Power Factor Incentive:** If the average monthly power factor of consumer (other than LV-1: Domestic Consumer), is 86% or above, incentive shall be payable as follows:

Power Factor	Percentage incentive payable on billed energy charges
86%	0.5
87%	1.0
88%	1.5
89%	2.0
90%	2.5
91%	3.0
92%	3.5
93%	4.0
94%	4.5
95%	5.0
96%	6.0
97%	7.0
98%	8.0
99%	9.0
100%	10.0

For this purpose, the “power factor” shall have the same meaning as in Madhya Pradesh Electricity Supply Code, 2021, as amended from time to time.

Provided that this Incentive shall be billed on the basis of energy actually consumed during the month.

**All the rebates/incentives shall be calculated on amount excluding Government Subsidy, if any.**

**(f) Time of Day (ToD) Rebate/Surcharge:** This rebate/surcharge shall be applicable to LV consumer categories (except LV-6: E- Vehicle / E-Rickshaws Charging Stations for which applicability of ToD rebate/surcharge is specifically mentioned in specific

terms and conditions of that category) on energy charges according to the period of consumption during different periods of the day as per following table:

Sr. No	Consumer Tariff Category	Peak / Off-peak Period	Rebate on energy charges on energy consumed during the corresponding period
<b>For consumers having sanctioned load / contract demand exceeding 10 kW</b>			
1.	LV-1: Domestic and LV-3: Public Water Works & Street Light	Peak hours (6 AM to 9 AM and 5 PM to 10 PM )	Surcharge of 10% on normal rate of energy charge shall be applicable for energy consumed during this period.
		Off peak / Solar hours (9 AM to 5 PM)	Rebate of 20% on normal rate of energy charge shall be applicable for energy consumed during this period.
		Off peak hours (10 PM to 6 AM next day)	Normal rate of energy charge shall be applicable for energy consumed during this period.
2.	LV-2: Non-Domestic and LV-4: LT Industrial	Peak hours (6 AM to 9 AM and 5 PM to 10 PM )	Surcharge of 20% on normal rate of energy charge shall be applicable for energy consumed during this period.
		Off peak /Solar hours (9 AM to 5 PM)	Rebate of 20% on normal rate of energy charge shall be applicable for energy consumed during this period.
		Off peak hours (10 PM to 6 AM next day)	Normal rate of energy charge shall be applicable for energy consumed during this period.
<b>For consumers with Smart Meters having sanctioned load / contract demand up to 10 kW</b>			
3.	LV-1: Domestic, LV-2: Non-Domestic, LV-3: Public Water Works & Street Light and LV-4: LT Industrial	Peak hours (6 AM to 9 AM and 5 PM to 10 PM )	Normal rate of energy charge shall be applicable for energy consumed during this period.
		Off peak /Solar hours (9 AM to 5 PM)	Rebate of 20% on normal rate of energy charge shall be applicable for energy consumed during this period.
		Off peak hours (10 PM to 6 AM next day)	Normal rate of energy charge shall be applicable for energy consumed during this period.

**Note: Time of Day (ToD) Rebate/Surcharge shall not be applicable to LV-5: Agriculture and Allied Activities consumer category.**

### 8. Other Terms and Conditions:

- (a) The Sanctioned load or Contract Demand, as the case may be, should not exceed maximum sanctioned load / contract demand for supply voltage at LT as specified in Madhya Pradesh Electricity Supply Code, 2021 as amended from time to time, except where a higher limit is specified or the category is exempted from the ceiling on connected load. If the recorded maximum demand of the consumer exceeds the aforesaid maximum permissible limit in two consecutive billing months during the tariff period, the Distribution Licensee may insist on the consumer to avail HT supply. In case where Smart Meter has been installed, if the recorded maximum demand of the consumer exceeds sanctioned load / contract demand, the revision of sanctioned load /

contract demand shall be as specified in Madhya Pradesh Electricity Supply Code, 2021 as amended from time to time.

- (b) No metering charges shall be levied.
- (c) In case the cheque presented by the consumer is dishonoured, without prejudice to Distribution Licensee's rights to take recourse to such other action as may be available under the relevant law, a service charge of Rs. 150 plus applicable GST per cheque shall be levied in addition to delayed payment surcharge.
- (d) Other charges, wherever applicable shall be as specified in Madhya Pradesh Electricity Regulatory Commission (Recovery of Expenses and other Charges for providing Electric Line or Plant used for the purpose of giving Supply) Regulations, 2022 and amendments thereof.
- (e) Existing LT power consumer (other than LV-1: Domestic Consumer) shall ensure that LT capacitor of proper rating is provided. In this regard, the Madhya Pradesh Electricity Supply Code, 2021, as amended from time to time may be referred for guidance. It shall be the responsibility of the consumer to ensure that power factor during any month is not less than 0.80 (80%) failing which the consumer shall be liable to pay low power factor surcharge on the entire billed amount against energy charges during the month. Provided that such surcharge shall be billed on the basis of energy actually consumed during the month. Power factor surcharge shall be billed at the rates given below in e(1) and e(2):

**e(1) For the consumer whose meter is capable of recording power factor:**

<b>Power Factor</b>	<b>Percentage Surcharge payable on billed energy charges</b>
79%	1%
78%	2%
77%	3%
76%	4%
75%	5%
74%	6.25%
73%	7.50%
72%	8.75%
71%	10.00%
Below 71%	10.00%

**e(2) For the consumer other than e(1) above:** The consumer (other than LV-1: Domestic Consumer) shall ensure that LT capacitors of proper rating are provided and are in good working condition. In this regard, the Madhya Pradesh Electricity Supply Code, 2021, as amended from time to time may be referred for guidance. In case of failure to meet the above criteria, the consumer would be levied a power factor

- surcharge of 10% on the entire billed amount against energy charges during the month and would be continued to be billed till such time the consumer meets the above criteria.
- (f) Levy of power factor surcharge as indicated hereinabove shall be without prejudice to the rights of the Licensee to disconnect the consumer's installation, if steps are not taken to improve the power factor by installing suitable shunt capacitors.
  - (g) In case of any dispute on applicability of tariff on a particular LT category, the decision of the Commission shall be final.
  - (h) The tariff does not include any tax, cess or duty, etc. on electrical energy that may be payable at any time in accordance with any law then in force. Such charges, if any, shall also be payable by the consumer in addition to the tariff charges and applicable miscellaneous charges.
  - (i) Delayed payment Surcharge for all categories: Surcharge at the rate of 1.25 % per month or part thereof on the amount outstanding (including arrears) will be payable if the bills are not paid up to due date subject to a minimum of Rs.5/- per month for total outstanding bill amount up to Rs. 500/- and Rs 10/ per month for amount of bill more than Rs.500/. The part of a month will be reckoned as full month for the purpose of calculation of delayed payment surcharge. The delayed payment surcharge will not be levied for the period after supply to the consumer is permanently disconnected. However, for the temporary connection, if any, amount is outstanding after disconnection, Delayed Payment Surcharge shall be applicable as per Madhya Pradesh Electricity Supply Code, 2021 as amended from time to time at the rate of 1.25% per month or part thereof.
  - (j) In case of conversion of LT connection into HT connection, it is mandatory on the part of both the consumer and the licensee to get the HT agreement executed before availing supply at HT.
  - (k) **Use of mix loads in one connection:** Unless otherwise permitted specifically in the tariff category, the consumer using mix loads for different purposes shall be billed for the purpose for which the tariff is higher.
  - (l) Consumers in the notified Industrial Growth Centres/Industrial areas/Industrial parks receiving supply under urban discipline shall be billed urban tariff.
  - (m) No change in the tariff or the tariff structure for any category of consumer is permitted except with prior written permission from the Commission. Any action taken without such written permission of the Commission shall be treated as null and void and shall also be liable for action under relevant provisions of the Electricity Act, 2003.
  - (n) All conditions prescribed herein shall be applicable to the consumer notwithstanding if any contrary provisions exist in the agreement entered into by the consumer with the licensee.

- (o) If any difficulty arises in giving effect to any of the provisions of this order, the Commission may, by general or special order, direct the Licensees to do or undertake things, which in the opinion of the Commission is necessary or expedient for the purpose of removing the difficulties.

**9. Additional conditions for Temporary Supply at LT:**

Temporary supply cannot be demanded by a prospective/ existing consumer as a matter of right but will normally be arranged by the Distribution Licensee when a requisition giving due notice is made. The temporary additional supply to an existing consumer also shall be treated as a separate service and charged subject to following conditions. However, service under Tatkal Scheme shall be made available within 24 hours subject to charges as specified in Madhya Pradesh Electricity Regulatory Commission (Recovery of Expenses and other Charges for providing Electric Line or Plant used for the purpose of giving Supply) Regulations, 2022 and amendments thereof.

- (a) Fixed Charge and Energy Charge for temporary supply shall be billed at 1.25 times the normal charges as applicable to relevant category if not specified otherwise specifically.
- (b) Estimated bill amount is payable in advance before serving the temporary connection subject to replenishment from time to time and adjustment as per final bill after disconnection. No interest shall be given to consumers for this advance payment.
- (c) The sanctioned load / contract demand, as the case may be, shall not exceed sanctioned load / contract demand as specified in Madhya Pradesh Electricity Supply Code, 2021 and amended from time to time,
- (d) The month for the purpose of billing of charges for temporary supply shall mean 30 days from the date of connection. Any period less than 30 days shall be treated as full month for the purpose of billing.
- (e) Connection and disconnection charges and other miscellaneous charges shall be paid separately as specified in Madhya Pradesh Electricity Regulatory Commission (Recovery of Expenses and other Charges for providing Electric Line or Plant used for the purpose of giving Supply) Regulations, 2022 and amendments thereof.
- (f) Load factor concession shall not be allowed on the consumption for temporary connection.
- (g) Power factor incentive/penalty shall be applicable at the same rate as applicable for permanent connection.

- 10.** Consumers availing Green Energy from Distribution Licensee only for the purpose of reducing their carbon footprint and seeking Certification to this effect shall be required to pay Green Energy Charges at the rate of Rs. 0.36/kWh and such charges shall be applicable

over and above the normal tariff for that category of consumers. This facility shall be available to consumers who requests any quantum of power up to 100% of their monthly consumption for availing power from RE sources. Further, such consumers may avail Green Energy for any number of days in a billing month.

- 11. Standby Charges:** - Standby Charges for the purpose of Madhya Pradesh Electricity Regulatory Commission (Methodology for determination of Open Access charges and Banking charges for Green Energy Open Access consumers) Regulations, 2023 as amended from time to time, shall be 0.25 times of the tariff applicable to the consumer availing Green Energy Open Access, which shall be over and above the normal tariff of the respective consumer category.
- 12.** The accounting and settlement for consumers availing net metering/group net metering /gross net metering/virtual net metering facility shall be as per Madhya Pradesh Electricity Regulatory Commission (Grid Interactive Renewable Energy System and Related Matters) Regulations, 2024 as amended from time to time.
- 13.** Wherever, there is variation in general terms & conditions and specific terms & conditions for any particular category, the specific terms and conditions shall prevail for that category.

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**A20: TARIFF SCHEDULES FOR HIGH TENSION CONSUMERS**

<b>Tariff Categories</b>		<b>Page No</b>
HV-1	Railway Traction	235
HV-2	Coal Mines	238
HV-3	Industrial, Non-industrial and Shopping Malls	239
HV-4	Seasonal	247
HV-5	Irrigation Public Water Works and Other than Agriculture	249
HV-6	Bulk Residential Users	251
HV-7	Synchronization of Power for Generators connected to Grid.	253
HV-8	E-Vehicle / E-Rickshaw.	254
HV-9	Metro Rail	255
	General terms and conditions of high-tension tariff	257

**Tariff Schedule - HV-1****RAILWAY TRACTION****Applicability:**

This Tariff shall apply to the Railways for Traction loads only.

**Tariff:**

Category of consumer	Existing		Proposed	
	Monthly Fixed Charge (Rs. per kVA of billing demand per month)	Energy Charge (paise / unit)	Monthly Fixed Charge (Rs. per kVA of billing demand per month)	Energy Charge (paise / kVAh)
Railway Traction on 132 kV / 220 kV	344	606	378	636

**Note: A rebate of Rs. 2 per Unit in energy charges is applicable. This rebate shall be applicable up to FY 2026-27.**

**Specific Terms and Conditions for HV-1 category:**

- (a) In order to give impetus to electrification of Railway network in the State, a rebate of 15% in energy charges for new Railway traction projects shall be allowed for a period up to FY 2026-27 for new projects. The rebate provided in earlier orders shall remain in force at the rate and for the duration as mentioned in those tariff orders.
- (b) The dedicated feeder maintenance charges shall not be applicable.
- (c) Annual Minimum charges shall be based on minimum consumption of 1500 units (kWh) per kVA of Contract Demand. The method of billing of minimum charges shall be as given in General Terms and Conditions of High Tension Tariff.
- (d) The consumer shall at all times restrict their actual maximum demand within the contract demand. In case the actual maximum demand in any month exceeds 120% of the contract demand, the tariffs given in various schedules shall apply to the extent of the 120% of the contract demand only. The consumer shall be charged for excess demand computed as difference of recorded maximum demand and 120% of contract demand on fixed charges and while doing so, the other terms and conditions of tariff, if any, shall also be applicable on the said excess demand.
- (e) **Energy charges for excess demand:** No extra charges are applicable on the energy charges due to the excess demand.
- (f) The excess demand so computed as per above, if any, in any month shall be charged at the following rates:

- i. When the recorded maximum demand is up to 130% of contract demand-excess demand over and above 115 % of the contract demand— at the rate of Rs. 416 per kVA
- ii. When the recorded maximum demand exceeds 130% of contract demand: - In addition to fixed charges in (a) above, recorded demand over and above 130 % of the contract demand shall be charged—at the rate of Rs. 567 per kVA

While doing so, other provisions of electricity tariff (such as tariff minimum charge etc.) will also be applicable on aforesaid excess demand.

**(g) Power Factor Penalty:**

- i. If the power factor of a consumer falls to 89 percent or below but up to 85 %, penalty will be levied at the rate of one percent of total energy charges for the month for each one percent fall in the power factor below 90 percent. For determination of power factor, lag only logic shall be used and no power factor penalty shall be levied if leading power factor is recorded.
- ii. If the power factor of a consumer falls to 84 percent or below, the consumer shall be levied a penalty of 5% (five percent) plus @ 2% (two percent) for each one percent fall in his power factor below 85 percent, on the total amount of bill under the head of “Energy Charge”. This penalty shall be subject to the condition that penalty on account of power factor does not exceed 35%.
- iii. For this purpose, the “power factor” shall have the same meaning as in Madhya Pradesh Electricity Supply Code, 2021, as amended from time to time.

Power Factor penalty shall be billed on the basis of energy actually consumed during the month.

- iv. Notwithstanding what has been stated above, if the power factor of a new connection of the consumer is found to be 89% or less in any month during the initial 6 (six) months from the date of connection, the consumer shall be entitled to a maximum period of six months to improve it to not less than 90% subject to following conditions:
  - This period of six months shall be reckoned from the month in which the power factor was found for the first time to be 89% or less.
  - In all cases, the consumer will be billed penal charges for power factor, but in case the consumer maintains the power factor in subsequent three

months (thus in all four months) to not less than 90%, the charges on account of power factor billed during the initial six months period, shall be withdrawn and credited in next monthly bills.

- The facility, as mentioned herein, shall be available not more than once to new consumer whose power factor is 89% or less at any time during 6 months from the date of connection. Thereafter, the charges on account of power factor, if found 89% or less, shall be payable as by any other consumer.

**(h) Emergency feed extension:** Provided that if as a result of the emergency in the traction substation or in the transmission line supplying load or part thereof is transferred to an adjacent traction substation, the M.D. for the month for that adjacent traction substation shall be as the average of M.D. for previous three months during which no emergency had occurred.

**(i) Time of Day (ToD) Rebate/Surcharge:** This rebate/surcharge shall not be applicable to this category of consumers.

**(j) Other terms and conditions shall be as mentioned in the **General Terms and Conditions of High Tension Tariff.****

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## **Tariff Schedule - HV-2**

### **COAL MINES:**

#### **Applicability:**

This Tariff shall apply to the Coal Mines for power, ventilation, lights, fans, coolers, etc. which shall mean and include all energy consumed for coal mines and lighting in the offices, stores, canteen, compound lighting etc. and the consumption for residential use therein.

#### **Tariff:**

Sub category	Existing			Proposed		
	Monthly Fixed Charge (Rs./kVA of billing demand per month)	Energy Charge for consumption up to 50% load factor	Energy Charge for consumption in excess of 50% load factor	Monthly Fixed Charge (Rs./kVA of billing demand per month)	Energy Charge for consumption up to 50% load factor (paise / kVAh)	Energy Charge for consumption in excess of 50% load factor (paise / kVAh)
Coal Mines						
11 kV supply	715	751	665	787	789	698
33 kV supply		743	644		780	676
132 kV supply		723	623		759	654
220 kV supply		701	601		736	631

#### **Specific Terms and Conditions for HV-2 category:**

- a. **Minimum charges based on consumption** shall be on the following basis :

Supply Voltage	Existing guaranteed Annual minimum consumption in units (kWh) per kVA of contract demand	Proposed guaranteed Annual minimum consumption in units (kVAh) per kVA of contract demand
<i>For supply at 220 / 132 kV</i>	1620	1740
<i>For supply at 33 / 11 kV</i>	1200	1284

**Note:** The method of billing of minimum consumption shall be as given in *General Terms and Conditions of High Tension Tariff*.

- b. **Time of Day (ToD) Rebate / Surcharge:** This rebate /surcharge shall be applicable as specified in *General Terms and Conditions of High Tension Tariff*.
- c. Other terms and conditions shall be as specified under *General Terms and Conditions of High Tension Tariff*.

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## **Tariff Schedule - HV-3**

### **INDUSTRIAL, NON-INDUSTRIAL AND SHOPPING MALLS**

#### **Applicability:**

The tariff **HV-3.1(Industrial)** shall apply to all HT industrial consumers including mines (other than coal mines) for power, light and fan etc. which shall mean and include all energy consumed for factory and lighting in the offices, main factory building, stores, canteen, residential colonies of industries, compound lighting, common and ancillary facilities such as Telecom tower, Banks, General purpose shops, Water supply, Sewage pumps, Police Stations, etc. located within the premises of the industrial units and Dairy units where milk is processed (other than chilling, pasteurization etc.) to produce other end products of milk. This tariff shall also apply to cold storages.

The tariff **HV-3.2 (Non Industrial)** shall apply to establishments like Railway Stations, Offices, Hotels, Hospitals, Institutions etc. (excluding group of consumers) having mixed load for power, light and fan etc. which shall mean and include all energy consumed for lighting in the offices, stores, canteen, compound lighting etc. This shall also cover all other categories of consumers, defined in LT non-domestic category subject to the condition that the HT consumer shall not redistribute/sub-let the energy in any way to other person.

The tariff **HV-3.3 (Shopping malls)** shall apply to establishments of shopping malls having group of non-industrial consumers subject to the specific terms and conditions specified in (i) of this schedule.

**Shopping Mall** shall be a multi-storeyed shopping centre in an urban area having a system of enclosed walkways with collection of independent retail stores, services and parking areas constructed and maintained by a management firm/ developer as a unit.

The tariff **HV-3.4 (Power intensive industries)** shall apply to Mini Steel Plants (MSP), MSP with rolling mills/ sponge iron plants in the same premises, electro chemical/ electro thermal industry, Ferro alloy industry which shall mean and include all energy consumed for factory and lighting in the offices, main factory building, stores, canteen, residential colonies of industries, compound lighting etc.

**Tariff:**

S. no.	Sub-Category of consumer	Existing			Proposed		
		Monthly Fixed Charge (Rs/kVA) of billing demand per month	Energy Charge for consumption on up to 50% load factor (paise/unit)	Energy Charge for consumption in excess 50% load factor (paise/unit)	Monthly Fixed Charge (Rs/kVA) of billing demand per month	Energy Charge for consumption on up to 50% load factor (paise/kVAh)	Energy Charge for consumption in excess 50% load factor (paise/kVAh)
<b>3.1</b>	<b>Industrial</b>						
	11 kV supply	399	750	650	439	781	676
	33 kV supply	631	746	641	694	776	667
	132 kV supply	719	705	606	791	734	631
	220/400 kV supply	719	660	560	791	687	583
<b>3.2</b>	<b>Non-Industrial</b>						
	11 kV supply	363	785	695	399	824	730
	33 kV supply	516	768	670	568	806	704
	132 kV supply & above	608	720	610	669	756	641
<b>3.3</b>	<b>Shopping Malls</b>						
	11 kV supply	356	766	691	392	804	726
	33 kV supply & above	413	756	651	454	794	684
<b>3.4</b>	<b>Power Intensive Industries*</b>						
	33 kV supply	627	591	591	696	648	635
	132 kV supply & above	766	567	567	850	622	610

**Specific Terms and Conditions for HV-3 category:**

- (a) **Minimum Charges based on Consumption** for all the above categories shall be on following basis :

Supply Voltage	Sub- category	Existing Annual minimum consumption in units (kWh) per kVA of contract demand	Proposed Annual minimum consumption in units (kVAh) per kVA of contract demand
<b>For supply at 132 kV and above</b>	Rolling Mills	1200	1284
	Educational institutions	720	768
	Others	1800	1932
<b>For supply at 33 / 11 kV</b>	Educational institutions	600	648
	Contract demand up to 100 kVA	600	648
	Others	1200	1284

**Note: The method of billing of minimum charges shall be as given in General Terms and Conditions of High Tension Tariff.**

- (b) **Time of Day (ToD) Rebate / Surcharge:** This rebate /surcharge shall be applicable as specified in General Terms and Conditions of High Tension Tariff.
- (c) **Rebate for existing HT connections:** A rebate of Rs. 1 per Unit in energy charges shall be applicable to existing consumers on the incremental monthly consumption with reference to the consumption of the corresponding month of the **5<sup>th</sup> preceding year** from the tariff period FY 2026-27.

For the consumers who were served within the preceding 5 years (i.e., during and after FY 2021-22), the base months for calculation of incremental monthly consumption shall be the first 12 months subsequent to the month of availing the connection. The incremental consumption for any month shall be worked out with reference to the consumption of the corresponding month of the base period.

The consumer availing this rebate shall not be entitled for the rebate of new HT connection/Green field connection under clause (d) below.

- (d) **Rebate for new HT connections:** A rebate of Rs 1 per Unit or 20% whichever would be less is applicable in energy charges for new connection for the consumption recorded. The rebate shall be allowed up to FY 2025-26 from the date of connection for such new projects for which agreements for availing supply from licensee are finalized during and after FY 2016-17;

Provided that no rebate shall be applicable for connections obtained by virtue of change in ownership in existing connection or by reconnection;

Provided also that new connection on the permanently disconnected premises shall only be eligible for such rebate, if, the application for new service connection on such premises is received not before the expiry of six months from the date of its permanent disconnection;

Provided further that the rebate shall not be allowed after the period of Ten years (120 Months) from the date of connection.

The consumer availing this rebate shall not be entitled for the rebate of incremental consumption under clause (c) above.

**Note for clause (c) & (d):**

In case of merger of connections existing on contiguous land and satisfying the terms and conditions as per clause 7.33 of the Supply Code, 2021, the rebates under clause (c) & (d) shall be applicable in the following manner:

- i. Where a connection availing the existing HT connection rebate under clause (c) is merged with another connection availing the new HT connection rebate under clause (d), the corresponding base month's consumption of the HT connection

availing the existing-connection rebate under clause (c) shall be deducted from the total consumption of the merged HT connection.

- ii. Where a connection availing the new-connection rebate under clause (d) is merged with another connection availing the existing-connection rebate under clause (c), the corresponding base month's consumption of the HT connection availing the existing-connection rebate under clause (c) shall be deducted from the total consumption of the merged connection.

**(e) Rebate for Captive power plant consumers:**

**Applicability:** The rebate shall be applicable to consumers-

- i. Who have been meeting their demand either fully or partially during FY 2016-17 and/or FY 2017-18 and/or FY 2018-19 and/or FY 2019-20 and/or FY 2020-21 and/or FY 2021-22 and/or FY 2022-23 and/or FY 2023-24 and/or FY 2024-25 and/or FY 2025-26 through their captive power plants (Other than renewable energy based captive power plants) located in Madhya Pradesh.
- ii. The rebate shall be applicable up to FY 2026-27 from the date of request submitted by the consumer to the Licensee during and after FY 2017-18. The consumer shall be required to apply to the Licensee for the rebate indicating that he would be willing to avail supply from Licensee by switching consumption from his existing captive power plant.
- iii. The base year shall be the financial year preceding the year during which the consumer has applied for switching consumption from his captive power plant to the licensee.  
*e.g., If a consumer applies for switching his consumption from captive power plant to Licensee in August, 2018, then his base year for calculation of incremental consumption would be FY 2017-18.*
- iv. Who have recorded an incremental consumption i.e., an increase in the units consumed from the Licensee in any month of the current year (FY 2026-27) compared to the same month in base year.
- v. A rebate of Rs 2 per unit shall be applicable on incremental units of the consumer subject to reduction in captive generation as per the methodology given below:-

Scenario	Base Year		Current Financial Year		Incremental Consumption from Discom	Reduction in Captive Generation	Units eligible for Rs 1/unit rebate in energy charges as per Clause (c) or (d) of specific terms & conditions	Units eligible for Rs 2/ Unit rebate on incremental units
	Consumption from Discom (Units)	Captive Generation Units	Consumption from Discom (Units)	Captive Generation (Units)				
	(A <sub>1</sub> )	(B <sub>1</sub> )	(A <sub>2</sub> )	(B <sub>2</sub> )	X = A <sub>2</sub> -A <sub>1</sub>	Y = B <sub>1</sub> -B <sub>2</sub>		
Scenario 1	100	90	110	90	10	0	10	0
Scenario 2	100	90	110	80	10	10	0	10
Scenario 3	100	90	110	70	10	20	0	10
Scenario 4	100	90	100	80	0	10	0	0
Scenario 5	100	90	120	80	20	10	10	10

Note: 1) Captive power plant referred above shall be the "Captive Generating Plant" as defined in Rule 3 of the Electricity Rules, 2005.

- 2) For new consumers added during this tariff period who were fully meeting their demand from their captive power Plants during the previous financial year then their consumption from Discom may be treated as zero for the base year.

X = the incremental consumption recorded by the captive consumer in any month of the current financial year compared to the same month of base year.

And

Y = the quantum of reduction in units consumed from captive plant (self-consumption) achieved by the captive consumer in any month of the current financial year compared to the same month in the base year.

For all other cases of incremental consumption i.e when  $X > Y$ , the existing rebate of Rs 1/unit in energy charges will be applicable on  $X - Y$  units (as per the rebate for incremental consumption given in clause (c) or (d) in the Specific Terms & Conditions for HV-3).

**Scenario 1:** There is no reduction in Captive Generation but only incremental consumption from DISCOM, hence a rebate of Rs 1/unit in energy charges is applicable on incremental consumption from DISCOM (as per the rebate for incremental consumption given in clause (c) or (d) in the Specific Terms & Conditions for HV-3).

**Scenario 2:** The incremental consumption from DISCOM is due to the reduction of captive consumption by same quantum of units hence it will attract a rebate of Rs 2 per unit on incremental units.

**Scenario 3:** There is higher reduction in Captive Generation as compared to incremental Consumption from DISCOM hence incremental units consumed from the DISCOM as shown in the table, shall qualify for a Rebate of Rs 2 per unit

**Scenario 4:** There shall not be any rebate due to absence of incremental Consumption from DISCOM irrespective of reduction in Captive Generation.

**Scenario 5:** This scenario depicts higher incremental consumption from DISCOM (X) than reduction in Captive Generation (Y) hence units corresponding to (X-Y) shall qualify for rebate of Rs 1/unit in energy charges (as per the rebate for incremental consumption given in clause (c) or (d) in the Specific Terms & Conditions for HV-3) while units Y shall qualify for Rebate of Rs 2 per unit.

**(f) Rebate for Open Access Consumers**

**Applicability:** The rebate shall be applicable to consumers

- i. Who have been availing open access during the last financial year (i.e. FY 2025-26)
- ii. Who have recorded an incremental consumption i.e., an increase in the units consumed from the Licensees in any month of the current year (FY 2026-27) compared to the same month in last year (FY 2025-26).
- iii. The rebate shall be applicable from the date of request submitted by the consumer to the Licensee during FY 2026-27.
- iv. The consumer shall be required to apply with the Licensee for the rebate indicating that he would be willing to avail supply from Licensee by switching consumption from open access.
- v. A rebate of Rs 1 per unit shall be applicable on incremental units of the consumer subject to reduction in open access consumption as per the methodology given below.

Scenarios	FY 2025-26		FY 2026-27		Incremental Consumption from Discom $X = A_2 - A_1$	Reduction in OA units $Y = B_1 - B_2$	Applicable units for rebate as per clause (c) of specific terms & conditions.	Rs 1/unit rebate on incremental units of Open Access
	Consumption from Discom (A <sub>1</sub> )	Wheeled Units (B <sub>1</sub> )	Consumption from Discom (A <sub>2</sub> )	Wheeled Units (B <sub>2</sub> )				
Scenario 1	100	90	110	90	10	0	10	0
Scenario 2	100	90	110	80	10	10	0	10
Scenario 3	100	90	110	70	10	20	0	10
Scenario 4	100	90	100	80	0	10	0	0
Scenario 5	100	90	120	80	20	10	10	10

X = the incremental consumption recorded by the open access consumer in any month of the current financial year as compared to the same month of base year.

And

$Y$  = the quantum of reduction in units consumed from open access by the consumer in any month of the current financial year as compared to the same month in the base year.

For all other cases of incremental consumption i.e when  $X > Y$ , the existing rebate of Rs 1/unit in energy charges will be applicable on  $X - Y$  units (as per the rebate for incremental consumption given in clause (c) in the Specific Terms & Conditions for HV-3).

**Scenario 1:** There is no reduction in open access consumption but only incremental consumption from DISCOM, hence a rebate of Rs 1/unit in energy charges is applicable on incremental consumption from DISCOM (as per the rebate for incremental consumption given in clause (c) in the Specific Terms & Conditions for HV-3).

**Scenario 2:** The incremental consumption from DISCOM is due to the reduction of open access consumption by same quantum of units hence it will attract a rebate of Rs 1 per unit on incremental units.

**Scenario 3:** There is higher reduction in open access consumption as compared to incremental Consumption from DISCOM hence incremental units consumed from the DISCOM as shown in the table, shall qualify for a Rebate of Rs 1 per unit.

**Scenario 4:** There shall not be any rebate due to absence of incremental Consumption from DISCOM irrespective of reduction in open access consumption.

**Scenario 5:** This scenario depicts incremental consumption from DISCOM ( $X$ ) and reduction in open access consumption ( $Y$ ) hence units corresponding to ( $X - Y$ ) shall qualify for rebate of Rs 1/unit in energy charges (as per the rebate for incremental consumption given in clause (c) in the Specific Terms & Conditions for HV-3) while units  $Y$  shall qualify for Rebate of Rs 1 per unit.

**(g) Conversion of Existing LT Industrial/Non domestic connection to corresponding HT connection**

A rebate of Rs. 1 per unit in the energy charges on the HT tariff shall be provided to those existing LT consumers who convert to HV 3 category during FY 2026-27. The rebate is applicable for FY 2026-27 for the units billed only after the commencement of HT Agreement during FY 2026-27.

**(h) Additional specific terms and conditions for shopping mall**

Individual end user shall not be levied a rate which is exceeding non-domestic-commercial tariff (LV 2.2) in case of LT connection and HT non-industrial tariff (HV 3.2) in case of HT connection, as determined by the Commission.

*Note: For calculating applicable rebates or incentives, e.g., incremental rebate for HT consumers, same unit of energy, i.e., kVAh shall be considered for consumption period as well as for the base years/months.*

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**Tariff Schedule - HV-4****SEASONAL****Applicability:**

This tariff shall be applicable to such seasonal industries / consumers requiring energy for the production purposes for season defined under this schedule.

The licensee shall allow this tariff to any industry having seasonal use only.

**Tariff:**

Sub-Category of consumer	Existing			Proposed		
	Monthly Fixed Charge (Rs/kVA) of billing demand per month	Energy Charge for consumption on up to 50% load factor (paise/unit)	Energy Charge for consumption in excess 50% load factor (paise/unit)	Monthly Fixed Charge (Rs/kVA) of billing demand per month	Energy Charge for consumption on up to 50% load factor (paise/kVAh)	Energy Charge for consumption in excess 50% load factor (paise/kVAh)
<b>During Season</b>						
11 kV supply	405	708	602	405	743	632
33 kV supply	448	688	583	448	722	612
<b>During Non-Season</b>						
11 kV supply	Rs. 405 on 10% of contract demand or actual recorded demand during the season, whichever is higher	850 i.e. 120% of seasonal Energy Charge	Not applicable	Rs. 405 on 10% of contract demand or actual recorded demand during the season, whichever is higher	893 i.e. 120% of seasonal Energy Charge	Not applicable
33 kV supply	Rs. 448 on 10% of contract demand or actual recorded demand during the season, whichever is higher	826 i.e. 120% of seasonal Energy Charge	Not applicable	Rs. 448 on 10% of contract demand or actual recorded demand during the season, whichever is higher	867 i.e. 120% of seasonal Energy Charge	Not applicable

**Specific Terms and Conditions for HV-4 category:**

- Season shall mean continuous period up to 6 months with a ceiling of 185 days and minimum period of 3 months.
- Period other than the declared season shall be considered as the off season period.
- The consumer has to declare months of season and off season for a year within 60 days of issue of this tariff order and inform the same to the Distribution Licensee. The Year in this case shall be a period of 12 months commencing from start of season / off season, as applicable. If the consumer has already declared the period of season and off-season prior to issuance of this order, same shall be taken into cognizance for the purpose and accepted by the Distribution Licensee.
- The seasonal period once declared by the consumer during Year cannot be changed.

- e) If the declared season or off-season spreads over two tariff periods, then the tariff for the respective period shall be applicable.
- f) This tariff is not applicable to composite units having seasonal and other category of loads.
- g) No minimum charges are applicable to this category of consumers.
- h) **Time of Day (ToD) Rebate/Surcharge:** This rebate/surcharge shall be applicable as specified in General Terms and Conditions of High Tension Tariff.
- i) The consumer will be required to restrict his monthly off season consumption to 15% of highest of the average monthly consumption of the preceding three seasons. In case, this limit is exceeded in any off season month, the consumer will be billed under HV-3.1 Industrial Schedule for the whole year (as opted).
- j) The consumer will be required to restrict his maximum demand during off season up to 30 % of the contract demand. In case the maximum demand recorded in any month of the declared off season exceeds 36% of CD (120% of 30% of CD), the consumer will be billed under HV 3.1 Industrial tariff for the whole year (as opted) as per the tariff in force.
- k) Other terms and conditions shall be as per the General Terms and Conditions of High Tension Tariff.

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**Tariff Schedule - HV-5****IRRIGATION, PUBLIC WATER WORKS AND OTHER THAN AGRICULTURAL****Applicability:**

This Tariff Category shall apply to supply of power to lift irrigation schemes, group irrigation, Public Utility Water Supply schemes, sewage treatment plants /sewage pumping plants and for energy used in lighting pump house.

This Tariff category shall also applicable to River link projects implemented by government or its agency provided that the supply of power is utilized for purposes covered under this category only.

**Note: Private water supply scheme, water supply schemes run by institutions for their own use/employees/townships etc. will not fall in this category but billed under the appropriate tariff category to which such institution belongs. In case water supply is being used for two or more different purposes then the highest tariff shall be applicable.**

This tariff category shall also apply to supply of power to other than agriculture pump connections i.e. the connection for hatcheries, fisheries ponds, poultry farms, cattle breeding farms, grasslands, vegetables/ fruits/ floriculture/ mushroom growing units etc. and dairy (for those dairy units where only extraction/collection of milk and its processing such as chilling, pasteurization etc. is done). However, in units where milk is processed to produce other end products of milk, billing shall be done under HV-3.1 (Industrial) category.

**Tariff:**

Sub-Category	Existing		Proposed	
	Monthly Fixed Charge (Rs. /KVA of billing demand per month)	Energy Charge (paise per kWh)	Monthly Fixed Charge (Rs. /KVA of billing demand per month)	Energy Charge (paise per kVAh)
11 kV supply	389	628	428	659
33 kV supply		614		645
132 kV & above supply		574		603

**Specific Terms and Conditions for HV-5 category:**

- (a) **Annual Minimum Charge shall be based on Consumption** of 828 kVAh per kVA of contract demand. The method of billing of minimum charges shall be as given in General Terms and Conditions of High-Tension Tariff.
- (b) **Time of Day (ToD) Rebate / Surcharge:** This rebate /surcharge shall be applicable as specified in General Terms and Conditions of High-Tension Tariff.

**(c) Incentive for adopting Demand Side Management**

An **incentive** equal to 5 % energy charges shall be given on installation and use of energy saving devices (such as ISI energy efficient motors for pump sets). **Incentive** will only be admissible if full bill is paid within due dates failing which all consumed units will be charged at normal rates as the case may be. Such incentive will be admissible from the month following the month in which energy saving devices are put to use and its verification by a person authorized by the licensee. The incentive will continue to be allowed till such time these energy saving devices remain in service. The Distribution Licensee is required to arrange wide publicity for above incentive. The Distribution Licensee is required to place quarterly information regarding incentives provided on its web site.

**(d) Other terms and conditions shall be as per the General Terms and Conditions of High Tension Tariff.**

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**Tariff Schedule - HV-6****BULK RESIDENTIAL USERS****Applicability:**

The tariff category **HV-6.1** is applicable for supply to industrial or any other township (e.g. that of University or academic institutions, hospitals, MES and Border villages, etc.) for domestic purpose only such as lighting, fans, heating etc. provided that the connected load for essential common facilities such as Non-domestic supply in residential area, street lighting shall be within the limits specified hereunder: -

- (i) Water supply and Sewage pumping, Hospital - **No limit**
- (ii) Non-domestic and other General purpose put together - **20 % of total connected load.**

The tariff category **HV-6.2** is applicable for supply to Registered Cooperative Group Housing Societies as per the Ministry of Power's notification no. S.O.798 (E) dated 9<sup>th</sup> June, 2005 and also to other Registered Group Housing Societies and individual domestic user, old age homes, day care centres for senior citizens, rescue houses, orphanages run by Govt./charitable trust, places of worship and religious institutions will also be covered under this category. The Terms and Conditions to this category of consumers shall be applicable as per relevant provisions of the Madhya Pradesh Electricity Supply Code, 2021 as amended from time to time.

**Tariff:**

S. no.	Sub-Category of consumer	Existing			Proposed		
		Monthly Fixed Charge (Rs/kVA) of billing demand per month	Energy Charge for consumption on up to 50% load factor (paise/unit)	Energy Charge for consumption in excess 50% load factor (paise/unit)	Monthly Fixed Charge (Rs/kVA) of billing demand per month	Energy Charge for consumption on up to 50% load factor (paise/kVAh)	Energy Charge for consumption in excess 50% load factor (paise/kVAh)
<b>1</b>	<b>For Tariff Sub-Category 6.1</b>						
	11 kV supply	367	654	589	404	687	618
	33 kV supply		639	569		671	597
	132 kV supply		617	547		648	574
<b>2</b>	<b>For Tariff Sub-Category 6.2</b>						
	11 kV supply	235	654	589	259	687	618
	33 kV supply		639	569		671	597
	132 kV supply		617	547		648	574

**Specific Terms and Conditions for HV-6 category:**

(a) **Annual Minimum Charges shall be based on Consumption** of 900 (kVAh) per kVA of contract demand. The method of billing of minimum consumption shall be as given in General Terms and Conditions of High Tension Tariff.

(b) The individual end user shall not be levied a rate exceeding the tariff applicable to the corresponding LT category.

**(c) Time of Day (ToD) Rebate / Surcharge:** This rebate /surcharge shall be applicable as specified in General Terms and Conditions of High-Tension Tariff.

**(d) Other terms and conditions shall be as specified under General Terms and Conditions of High Tension Tariff.**

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**Tariff Schedule - HV-7****SYNCHRONIZATION OF POWER FOR GENERATORS CONNECTED TO THE GRID****Applicability:**

This Tariff shall apply to those generators who are already connected to the grid and seek to avail power for synchronization with the grid. This Tariff category shall also be applicable to the Generator/Co-generation plant from Renewable Sources entitled to draw power exclusively for its own use from the State Distribution Licensee for synchronization of plant with the grid or during shutdown period of its plant or during other emergencies (but not for construction) or for auxiliaries or forced outage.

**Tariff for all voltages:**

Category of consumers	Energy Charge	
	Existing (paisa/unit)	Proposed (paisa/ KVAh)
For all Voltage levels of HV category	1029	1100

**Specific Terms and Conditions for HV-7 category:**

- (a) The supply for above purpose with the grid shall not exceed 15% of the capacity of the Power Plant. In case of drawl of power above 15% of the capacity of the power plant on any occasion, the excess energy drawn during the billing month shall be billed at the rate of 2 times of the normal energy charges.
- (b) The condition for minimum consumption shall not be applicable to the generators including CPP. Billing shall be done for energy recorded on each occasion of availing supply during the billing month.
- (c) The supply shall not be allowed to the CPP for production purpose for which they may avail stand-by support under the relevant Regulations.
- (d) The synchronization with the grid shall only be made available after commissioning of the plant.
- (e) The generator including CPP shall execute an agreement with the Licensee for meeting the requirement of synchronization/power with the grid incorporating the above terms and conditions.
- (f) **Time of Day (ToD) Rebate/Surcharge:** This rebate/surcharge shall not be applicable to this category of consumers.

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**Tariff Schedule - HV-8****E- VEHICLE / E- RICKSHAWS CHARGING STATIONS****Applicability:**

The tariff is applicable exclusively for Electric Vehicle / Electric Rickshaws charging and Battery Swapping stations. However, tariff for other consumers who use electricity for charging their own Vehicles/Rickshaws shall be the same as applicable for the relevant category of connection from which the Vehicles/Rickshaws is being charged at such premises:

Provided that the connected load for essential facilities such as maintenance and office setup at Electric Vehicle / Electric Rickshaws Charging Stations shall be within 10% of total connected load.

**Applicable Tariff:**

Category	Energy Charge	
	Existing (Paise/unit)	Proposed (Paise/kVAh)
Electric Vehicle/ Rickshaw charging installations	714	783

**Specific Terms and Conditions for HV-8 category:**

- a) The energy charges for E- Vehicle / E- Rickshaws charging stations shall be applicable as given below:-
  - (i) **During Solar Hours (9 AM to 5 PM):** Rebate of 20% on normal rate of energy charge shall be applicable on energy consumed during this period and;
  - (ii) **During Non-Solar Hours (for remaining part of Day):** Surcharge of 20% on normal rate of energy charge shall be applicable on energy consumed during this period.
- b) No minimum charges are applicable to this category of consumers.
- c) Other terms and conditions shall be as specified under General Terms and Conditions for High Tension Tariff.

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**Tariff Schedule - HV-9****METRO RAIL****Applicability:**

This Tariff shall apply to Metro Rail for Traction and Non-Traction loads.

**Tariff:**

S. no.	Category	Existing		Proposed	
		Monthly Fixed Charge (Rs./KVA of billing demand per month)	Energy Charge (Paise/Unit)	Monthly Fixed Charge (Rs./KVA of billing demand per month)	Energy Charge (paise/kVAh)
1.	Sub-Urban Rail Transport (Metro Rail) at 132kV/220kV	310	570	310	570

**Specific Terms and Conditions for HV-8 category:**

- (a) **Additional Charge for Excess demand:** Shall be billed as given in General Terms and Conditions for High Tension tariff.
- (b) Annual Minimum charges shall be based on minimum consumption of 1,000 units (kWh) per kVA of Contract Demand, this being the first year of operation of Metro Rail project in the State. The method of billing of minimum charges shall be as given in General Terms and Conditions of High Tension Tariff.
- (c) **Time of Day (ToD) Rebate/Surcharge:** This rebate/surcharge shall be applicable as specified in General Terms and Conditions of High Tension Tariff.
- (d) **Power Factor Penalty:**
- If the power factor of a consumer falls to 89 percent or below but up to 85%, penalty will be levied at the rate of one percent of total energy charges for the month for each one percent fall in the power factor below 90 percent. For determination of power factor, lag only logic shall be used and no power factor penalty shall be levied if leading power factor is recorded.
  - If the power factor of a consumer falls to 84 percent or below, the consumer shall be levied a penalty of 5% (five percent) plus @ 2% (two percent) for each one percent fall in his power factor below 85 percent, on the total amount of bill under the head of "Energy Charge". This penalty shall be subject to the condition that penalty on account of power factor does not exceed 35%.
  - For this purpose, the "power factor" shall have the same meaning as in Madhya Pradesh Electricity Supply Code, 2021, as amended from time to time.

time.

Power Factor penalty shall be billed on the basis of energy actually consumed during the month.

- Notwithstanding what has been stated above, if the power factor of a new connection of the consumer is found to be 89% or less in any month during the initial 6 (six) months from the date of connection, the consumer shall be entitled to a maximum period of six months to improve it to not less than 90% subject to following conditions:
    - This period of six months shall be reckoned from the month in which the power factor was found for the first time to be 89% or less.
    - In all cases, the consumer will be billed penal charges for power factor, but in case the consumer maintains the power factor in subsequent three months (thus in all four months) to not less than 90%, the charges on account of power factor billed during the initial six months period, shall be withdrawn and credited in next monthly bills.
    - The facility, as mentioned herein, shall be available not more than once to new consumer whose power factor is 89% or less at any time during 6 months from the date of connection. Thereafter, the charges on account of power factor, if found 89% or less, shall be payable as by any other consumer.
- (e) Other terms and conditions shall be as mentioned in the **General Terms and Conditions of High Tension Tariff.**

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## **GENERAL TERMS AND CONDITIONS OF HIGH TENSION TARIFF**

**The following terms and conditions shall be applicable to all HT consumer categories subject to Specific Terms and Conditions for that category as mentioned in the Tariff Schedule of respective category:**

- 1.1 The contract demand shall be expressed in whole number only.
- 1.2 Tariff for Green Energy shall comprise of two elements namely, normal tariff as applicable to that category of consumer and Green Energy Charges as mentioned in Clause 1.25 of General Terms and Conditions of HT Tariff.
- 1.3 **Character of Service:** The character of service shall be as per the Madhya Pradesh Electricity Supply Code, 2021 as amended from time to time.
- 1.4 **Point of Supply:**
  - (a) The power will be supplied to the consumer ordinarily at a single point for the entire premises.
  - (b) In case of Railway Traction, the supply at each sub-station shall be separately metered and charged.
  - (c) In case of coal mines, the power will be supplied ordinarily at a single point for the entire premises. The power may, however, be supplied, on the request of the consumer, at more than one point subject to technical feasibility. In such cases, metering and billing will be done for each point of supply separately.
- 1.5 **Determination of Demand:** The **maximum demand** of the supply in each month shall be four times the largest number of kilovolt ampere hours delivered at the point of supply during any continuous 15 minutes during the month as per sliding window principle of measurement of demand.
- 1.6 **Billing demand:** The billing demand for the month shall be the actual maximum kVA demand of the consumer during the month or 90% of the contract demand, whichever is higher. In case power is availed through open access, the billing demand for the month shall be the actual maximum kVA demand during the month excluding the demand availed through open access for the period for which open access is availed or 90% of the contract demand, whichever is higher, subject to the provisions of Madhya Pradesh Electricity Supply Code, 2021, as amended from time to time.

The provisions regarding additional charges for excess demand shall be applicable as per clause 1.16 of these conditions.

**Note:** The billing demand shall be rounded off to the nearest integer number i.e. the fraction of 0.5 or above will be rounded off to next integer figure and the fraction of less than 0.5 shall be ignored.

**1.7 Minimum charges shall be billed as follows:**

- 1) The consumer shall be billed for annual minimum charges based on consumption (kWh) number of units per kVA of contract demand specified for their category, irrespective of whether any energy is consumed or not during the year.
- 2) The consumer shall be billed one twelfth of annual minimum consumption (kWh) specified for their category each month in case the actual consumption is less than above mentioned minimum consumption.
- 3) During the month in which actual cumulative consumption equals or greater than the annual minimum consumption, no further billing of monthly minimum consumption shall be done in subsequent months of the financial year.
- 4) Tariff minimum consumption shall be adjusted in the month in which cumulative actual or billed monthly consumption exceeds cumulative monthly prorated minimum annual consumption. If actual cumulative consumption does not get fully adjusted in that month, adjustment shall continue to be provided in subsequent months of the financial year. The following example illustrates the procedure for monthly billing of consumption where prorated monthly minimum consumption is 100 kWh based on annual consumption of 1200 kWh.

Month	Actual cumulative consumption (kVAh)	Cumulative minimum consumption * (kVAh)	Higher of 2 and 3 (kVAh)	Already billed in the year (kVAh)	To be billed in the month = (4-5) (kVAh)
1	2	3	4	5	6
April	95	100	100	0	100
May	215	200	215	100	115
June	315	300	315	215	100
July	395	400	400	315	85
Aug	530	500	530	400	130
Sept	650	600	650	530	120
Oct	725	700	725	650	75
Nov	805	800	805	725	80
Dec	945	900	945	805	140
Jan	1045	1000	1045	945	100
Feb	1135	1100	1135	1045	90
March	1195	1200	1200	1135	65

- 1.8 **Rounding off:** All bills will be rounded off to the nearest rupee, i.e., up to 49 paisa shall be ignored and 50 paisa upwards shall be rounded off to next Rupee.

**Incentive/ Rebate / Penalties****1.9 Power Factor Incentive:**

Since, kVAH billing is proposed for HT Consumers, provision for Power Factor Incentive is no longer required.

#### 1.10 Load factor calculation

- 1) The **Load Factor** shall be calculated as per the following formula:

$$\text{Load Factor \%} = \frac{\text{Monthly Consumption (kVAh)} \times 100}{\text{No. of Hours in the billing month} \times \text{Demand (kVA)}}$$

- i. Monthly consumption shall be units (kVAh) consumed in the month excluding those received from sources other than Licensee.
- ii. No. of Hours in billing month shall exclude period of scheduled outages in hours.
- iii. Demand shall be maximum demand recorded or contract demand whichever is higher.

**Note:** The load factor (%) shall be rounded off to the nearest lower integer. In case the consumer is getting power through open access, units set off from other sources, the net energy (after deducting units set off from other sources, from the consumed units) billed to consumer shall only be taken for the purpose of working out load factor. The billing month shall be the period in number of days between the two consecutive dates of meter readings taken for the purpose of billing to the consumer.

- 1.11 **Incentive for advance payment:** For advance payment made before commencement of consumption period for which bill is prepared, an incentive at one twelfth of annual interest rate in percentage applicable on working capital shall be given on the amount (excluding security deposit), which remains with the Distribution Licensee at the end of billing month. However, such amount shall be credited to the account of the consumer after adjusting any amount payable to the Distribution Licensee.

**Explanation:** - *Rate of Interest on working capital shall be equal to the Base Rate as on 1<sup>st</sup> April of FY 2026-27 plus 350 basis points.*

- 1.12 **Rebate for online bill payment:** Rebate of 0.5% on the total bill amount maximum up to Rs 1000 will be applicable for making online payment of bill.
- 1.13 **Prompt payment incentive:** An incentive for prompt payment @0.25% of bill amount (excluding, security deposit, meter rent and Government levies viz. Electricity Duty and Cess) shall be given in case the payment is made at least 7 days in advance of the due date of payment where the current month billing amount is equal to or greater than Rs. One Lakh. The consumers in arrears shall not be entitled for this incentive.

**1.14 Time of Day (ToD) Surcharge / Rebate:** This rebate/surcharge shall be applicable to HV consumer categories (except HV-8: E- Vehicle / E-Rickshaws Charging Stations for which applicability of ToD rebate/surcharge is specifically mentioned in specific terms and conditions of that category) on energy charges according to the period of consumption during different periods of the day as per following table:

Sr. no.	Consumer Tariff Category	Peak / Off-peak Period	Rebate on energy charges on energy consumed during the corresponding period
1.	HV-2: Coal Mines, HV-3: Industrial, Non- Industrial and Shopping Malls, HV-4: Seasonal, HV- 5: Irrigation, Public Water Works and Other than Agricultural and HV 9: Metro Rail	Peak hours (6 AM to 9 AM and 5 PM to PM)	Surcharge of 20% on normal rate of energy charge shall be applicable for energy consumed during this period.
		Off peak /Solar hours (9 AM to 5 PM)	Rebate of 20% on normal rate of energy charge shall be applicable for energy consumed during this period.
		Normal hours (10 PM to 6 AM next day)	Normal rate of energy charge shall be applicable for energy consumed during this period.
2.	HV-6: Bulk Residential Users	Peak hours (6 AM to 9 AM and 5 PM to 10 PM)	Surcharge of 10% on normal rate of energy charge shall be applicable for energy consumed during this period.
		Off peak /Solar hours (9 AM to 5 PM)	Rebate of 20% on normal rate of energy charge shall be applicable for energy consumed during this period.
		Normal hours (10 PM to 6 AM next day)	Normal rate of energy charge shall be applicable for energy consumed during this period.

**Note:**

1. ToD rebate and surcharge shall not be applicable on Fixed charges.
2. The above mentioned off-peak period and peak period shall also be applicable for the purpose of banking as per the provision of Madhya Pradesh Electricity Regulatory Commission (Methodology for determination of Open Access charges and Banking charges for Green Energy Open Access consumers) Regulations, 2023 and amendments thereof.
3. Time of Day (ToD) Rebate/Surcharge shall not be applicable to HV-1: Railway Traction and HV-7: Synchronisation of power for Generators connected to the Grid consumer categories.

**1.15 Power Factor Penalty (For consumers other than HV-1: Railway Traction and HV-9: Metro Rail)**

- (i) If the power factor of the consumer falls to 89% or below, the consumer shall be levied a penalty @ 1% (one percent), for each one percent fall in his power factor below 90 percent, on total amount of bill under the head of “Energy Charges”.
- (ii) If the power factor of the consumer falls to 84% or below, the consumer shall be levied a penalty of 5% (five percent) plus @ 2% (two percent) for each one percent fall in his power factor below 85 percent on the total amount of bill under the head of “Energy Charges”. This penalty shall be subject to the condition that penalty on account of power factor does not exceed 35%.
- (iii) Should the power factor fall to below 69% or below, the Distribution Licensee reserves the right to disconnect the consumer’s installation till steps are taken to improve the same to the satisfaction of the Distribution Licensee. This is, however, without prejudice to the levy of penalty charges for power factor in the event of supply not being disconnected.
- (iv) For this purpose, the “power factor” shall have the same meaning as in Madhya Pradesh Electricity Supply Code, 2021, as amended from time to time.

Power Factor penalty shall be billed on the basis of energy actually consumed during the month.

- (v) Notwithstanding what has been stated above, if the power factor of a new consumer is found to be 89% or less in any month during the initial 6 (six) months from the date of connection, the consumer shall be entitled to a maximum period of six months to improve it to not less than 90% subject to following conditions:
  - a) This period of six months shall be reckoned from the month following the month in which the power factor was found for the first time to be 89% or less.
  - b) In all cases, the consumer will be billed the penal charges for power factor, but in case the consumer maintains the power factor in subsequent three months (thus in all four months) to not less than 90%, the charges on account of power factor billed during the initial six months period, shall be withdrawn and credited in next monthly bills.
  - c) The facility, as mentioned herein, shall be available not more than once to new consumer whose power factor is 89% or less in any month during 6 months from the date of connection. Thereafter, the charges on account of power factor, if found 89% or less, shall be payable as applicable to any other consumer.

#### 1.16 Additional Charges for excess demand

- i. The consumer shall at all times restrict their actual maximum demand within the contract demand. In case the actual maximum demand in any month exceeds 120% of the contract demand, the tariffs given in various schedules shall apply to the extent of the 120% of the contract demand only. The consumer shall be charged for excess demand computed as difference of recorded maximum demand and 120% of contract demand on fixed charges and while doing so, the other terms and conditions of tariff, if any, shall also be applicable on the said excess demand. The excess demand so computed, if any, in any month shall be charged at the following rates from all consumers except Railway Traction.
- ii. **Energy charges for excess demand:** No extra charges are applicable on the energy charges due to the excess demand.
- iii. **Fixed charges for excess demand:-** These charges shall be billed as per following:
  1. **Fixed charges for excess demand when the recorded maximum demand is up to 130% of the contract demand:** Fixed charges for excess demand over and above the 120 % of contract demand shall be charged at 1.3 times the normal fixed charges.
  2. **Fixed charges for excess demand when the recorded maximum demand exceeds 130% of contract demand:** In addition to fixed charges in 1 above, recorded demand over and above 130 % of the contract demand shall be charged at 2 times the normal fixed charges.

Example for fixed charges billing for excess demand: If the contract demand of a consumer is 100 kVA and the maximum demand recorded in the billing month is 140 kVA, the consumer shall be billed towards fixed charges as under:-

- a) Up to 120 kVA at normal tariff.
  - b) Above 120 kVA up to 130 kVA i.e. for 10 kVA at 1.3 times the normal tariff.
  - c) Above 130 kVA up to 140 kVA i.e. for 10 kVA at 2 times the normal tariff.
- iv. The excess demand computed in any month will be charged along with the monthly bill and shall be payable by the consumer.
  - v. The billing of excess demand at higher tariff is without prejudice to the Licensee's right to discontinue the supply in accordance with the provisions contained in the Madhya Pradesh Electricity Supply Code, 2021 as amended from time to time.

- 1.17 **Delayed Payment Surcharge:** Surcharge at the rate of 1.25 % per month or part thereof on the amount outstanding (including arrears) will be payable if the bills are not paid up to due date. The part of a month will be reckoned as full month for the purpose of calculation of delayed payment surcharge. The delayed payment surcharge will not be applicable after supply to the consumer is permanently disconnected. However, for the temporary connection, if any amount is outstanding after disconnection, Delayed Payment Surcharge shall be applicable as per Madhya Pradesh Electricity Supply Code, 2021 as amended from time to time at the rate of 1.25% per month or part thereof.
- 1.18 All the rebates/incentives shall be calculated on amount excluding Government Subsidy.
- 1.19 **Service Charge for Dishonoured Cheques:** In case the cheque(s) presented by the consumer are dishonoured, a service charge at the rate of Rs. 1000/- plus applicable GST per cheque shall be levied in addition to delayed payment surcharge as per rules. This is without prejudice to the Distribution Licensee's rights to take action in accordance with any other applicable law.
- 1.20 **Temporary supply at HT:** The character of temporary supply shall be as defined in the M.P. Electricity Supply Code, 2021 as amended from time to time. If any consumer requires temporary supply then it shall be treated as separate service and charged subject to the following conditions.

(a) **Fixed Charges and Energy Charges shall be charged at 1.25 times the normal tariff:** The fixed charges shall be recovered for the number of days for which the connection is availed during the month by prorating the monthly fixed charges. Month shall be considered as the number of total days in that calendar month.

(b) The consumer shall ensure minimum consumption (kVAh) as applicable to the permanent consumers on pro-rata based on number of days as detailed below:

$$\text{Minimum consumption for additional supply for temporary period} = \frac{\text{Annual minimum consumption as applicable to permanent supply} \times \text{No. of days of temporary connection}}{\text{No. of days in the year}}$$

(c) The billing demand shall be the demand requisitioned by the consumer or the highest monthly maximum demand during the period of supply commencing from the month of connection ending with the billing month, whichever is higher. For example:

Month	Recorded Maximum Demand (kVA)	Billing Demand (kVA)
April	100	100
May	90	100
June	80	100

Month	Recorded Maximum Demand (kVA)	Billing Demand (kVA)
July	110	110
August	100	110
September	80	110
October	90	110
November	92	110
December	95	110
January	120	120
February	90	120
March	80	120

- (d) The consumer shall pay the estimated charges in advance, before serving the Temporary Connection subject to replenishment from time to time and adjustment as per final bill after disconnection. No interest shall be given on such advance payment.
- (e) Connection and Disconnection Charges shall also be paid.
- (f) In case existing HT consumer requires temporary supply for the purpose of addition and/or alteration within the premises of existing HT connection, then the consumer is allowed to avail the same through its existing permanent connection to the extent of its Contract Demand and such consumer shall be billed at applicable tariff for permanent connection. Excess demand, if any, shall be treated as per the provisions in clause 1.16 above.
- (g) Power factor incentives/penalties and the condition for Time of Day rebate shall be applicable at the same rate as for permanent connection.

### Other Terms and Conditions:

- 1.21 The existing 11 kV consumer with contract demand exceeding 300 kVA who want to continue to avail supply at 11 kV at his request, shall be required to pay additional charge at 3 %. This additional charge of 3% shall be applicable for enhanced maximum demand recorded for fixed charges and incremental units proportionate to enhanced maximum demand recorded for energy charges.
- 1.22 The existing 33 kV consumer with contract demand exceeding 10,000 kVA who want to continue to avail supply at 33 kV at his request, shall be required to pay additional charge at 2%. This additional charge of 2% shall be applicable for enhanced maximum demand recorded for fixed charges and incremental units proportionate to enhanced maximum demand recorded for energy charges.
- 1.23 The existing 132 kV consumer with contract demand exceeding 50,000 kVA who want to continue to avail supply at 132 kV at his request, shall be required to pay additional charge at 1%. This additional charge of 1% shall be applicable for enhanced maximum

demand recorded for fixed charges and incremental units proportionate to enhanced maximum demand recorded for energy charges.

- 1.24 No Metering Charges shall be levied.
- 1.25 Consumers availing Green Energy from Distribution Licensee only for the purpose of reducing their carbon footprint and seeking Certification to this effect shall be required to pay Green Energy Charges at the rate of Rs. 0.36/kWh and such charges shall be applicable over and above the normal tariff for that category of consumers. This facility shall be available to consumers who requisition any quantum of power up to 100% of their monthly consumption for availing power from RE sources. Further, such consumers may avail Green Energy for any number of days in a billing month.
- 1.26 **Standby Charges:** - Standby Charges for the purpose of Madhya Pradesh Electricity Regulatory Commission (Methodology for determination of Open Access charges and Banking charges for Green Energy Open Access consumers) Regulations, 2023 as amended from time to time, shall be 0.25 times of the tariff applicable to the consumer availing Green Energy Open Access, which shall be over and above the normal tariff of the respective consumer category.
- 1.27 The accounting and settlement for consumers availing net metering/group net metering /gross net metering/virtual net metering facility shall be as per Madhya Pradesh Electricity Regulatory Commission (Grid Interactive Renewable Energy System and Related Matters) Regulations, 2024 as amended from time to time.
- 1.28 The tariff does not include any tax or duty, etc. on electrical energy that may be payable at any time in accordance with any law then in force. Such charges, if any, shall be payable by the consumer in addition to the tariff charges.
- 1.29 No changes in the tariff or the tariff structure including minimum charges for any category of consumer are permitted except with prior written permission of the Commission. Any order without such written permission of the Commission will be treated as null and void and also shall be liable for action under relevant provisions of the Electricity Act, 2003.
- 1.30 In case a consumer, at his/her request, avails supply at a voltage higher than the standard supply voltage as specified under relevant category, he/she shall be billed at the rates applicable for actually availed supply voltage and no extra charges shall be levied on account of higher voltage.
- 1.31 All consumers to whom fixed charges are applicable are required to pay fixed charges in each month irrespective of whether any energy is consumed or not.
- 1.32 If any difficulty arises in giving effect to any of the provisions of this order, the Commission may, by general or special order, direct the Licensees to do or undertake

things, which in the opinion of the Commission is necessary or expedient for the purpose of removing the difficulties.

- 1.33 All conditions prescribed herein shall be applicable notwithstanding if any contrary provisions, exist in the agreement entered into by the consumer with the licensee.
- 1.34 Wherever, there is variation in general terms & conditions and specific terms & conditions given for any particular category, the specific terms and conditions shall prevail for that category.
- 1.35 In case any dispute arises regarding interpretation of this tariff order and/or applicability of this tariff, the decision of the Commission shall be final and binding.

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