ANNUAL PERFORMANCE REVIEW OF FY 2024-25, ARR OF FY 2025-26 & TARIFF PROPOSAL FOR FY 2025-26

SUBMITTED TO JOINT ELECTRICITY REGULATORY COMMISSION FOR UT OF JAMMU AND KASHMIR AND UT OF LADAKH

KASHMIR POWER DISTRIBUTION CORPORATION LIMITED

MARCH 25

AFFIDAVIT VERIFYING THE PETITION

I, Mr. _____, son of _____ aged __ years, the deponent named above do hereby solemnly affirm and state on oath as under:-

1. That I am Chief Engineer, **Kashmir Power Distribution Corporation Limited.**
2. and am authorised to sign and submit the said petition and am acquainted with the facts deposed to below.
3. I say that on behalf of **Kashmir Power Distribution Corporation Limited**, I am now filing this Petition under The Electricity Act, 2003, Petition for approval of Annual Performance Review of FY 2024-25, ARR of FY 2025-26 & Tariff Proposal for FY 2025-26.
4. I further say that the statements made and investment data presented in the aforesaid Petition are as per records of the Corporation and believe that to be true to the best of my knowledge.
5. Further, to my knowledge and belief, no material information has been concealed in the aforesaid Petition.

Chief Engineer, KPDCL

DEPONENT

Place: Srinagar

Date: _____

VERIFICATION

I, Shri _____ Advocate and Notary having office at Srinagar, do hereby declare that the person making this affidavit is known to me through the perusal of records and I am satisfied that he is the same person alleging to be deponent himself.

Advocate

Solemnly affirmed before me on this _____ day of March 25 by the deponent who has been identified by the aforesaid Advocate. I have satisfied myself by examining the deponent that he understood the contents of the affidavit which has been read over and explained to him. He has also been explained about section 193 of Indian Penal Code that whoever intentionally gives false evidence in any of the proceedings of the Commission or fabricates evidence for purpose of being used in any of the proceedings shall be liable for punishment as per law.

BEFORE THE JOINT ELECTRICITY REGULATORY COMMISSION

JAMMU & KASHMIR AND LADAKH

AMBEDKAR CHOWK, JAMMU

Filing No……..

Case No……..

IN THE MATTER OF: **Petition for approval of Annual Performance Review of FY 2024-25, Aggregate Revenue Requirement of FY 2025-26 and tariff proposal for FY 2025-26.**

AND

IN THE MATTER OF: **Kashmir Power Distribution Corporation Limited,**
Office of the Chief Engineer (Distribution),
Exhibition Ground, Opposite High Court,
Jehangir Chowk, Srinagar –190001

.....Petitioner

PETITIONER, UNDER SECTIONS 61, 62 AND 64 OF THE ELECTRICITY ACT, 2003, AND UNDER THE JERC JAMMU & KASHMIR AND LADAKH (CONDUCT OF BUSINESS) REGULATIONS, 2022 FOR APPROVAL BY THE HON'BLE COMMISSION OF ANNUAL PERFORMANCE REVIEW OF FY 2024-25, AGGREGATE REVENUE REQUIREMENT OF FY 2025-26 AND TARIFF PROPOSAL FOR FY 2025-26 IN ACCORDANCE WITH JOINT ELECTRICITY REGULATORY COMMISSION FOR THE UT OF JAMMU & KASHMIR AND THE UT OF LADAKH (TERMS AND CONDITIONS FOR DETERMINATION OF MULTI YEAR GENERATION, TRANSMISSION, DISTRIBUTION TARIFF) REGULATIONS, 2023 FOR ITS DISTRIBUTION BUSINESS.

The Petitioner respectfully submits as under: -

1. The Petitioner, Kashmir Power Distribution Corporation Limited (KPDCL) is deemed Distribution Licensee in the Kashmir region of the Union Territory of Jammu and Kashmir. Pursuant to the enactment of the Electricity Act 2003 (EA 2003), the

Petitioner is required to submit Annual Performance Review of FY 2024-25, Aggregate Revenue Requirement of FY 2025-26 and Tariff proposal for FY 2025-26 as per the procedures outlined in section 61, 62 & 64 of EA 2003, JERC for UT of Jammu & Kashmir and UT of Ladakh Gazette Notification No. JERC-JKL/Reg/2023/13 i.e. Regulation 11.1 of Joint Electricity Regulatory Commission for the UT of Jammu & Kashmir and the UT of Ladakh (Terms and Conditions for Determination of Multi Year Generation, Transmission, Distribution Tariff) Regulations, 2023 (herein referred as MYT Regulations, 2023).

2. The Petitioner hereby submits the present Petition for approval of Annual Performance Review of FY 2024-25, Aggregate Revenue Requirement of FY 2025-26 and Tariff proposal for FY 2025-26 based on the principles outlined in the JERC MYT Regulations 2023, notified by the Hon'ble Commission.

Prayers:

A. Accept and admit the petition for Annual Performance Review (APR) of FY 2024-25, Aggregate Revenue Requirement (ARR) of FY 2025-26 and Tariff Proposal for FY 2025-26 which is in line with the principles laid by MYT Regulations 2023 as notified by the Hon'ble Commission,

B. Approve the Annual Performance Review (APR) of FY 2024-25, Aggregate Revenue Requirement (ARR) of FY 2025-26 and Tariff Proposal for FY 2025-26,

C. Approve the proposed wheeling charge proposed for LT and HT consumers separately.

D. Approve the Full cost retail supply tariff for FY 2025-26, consider the subsidy/ grant-in-aid support as and when announced by UT Administration/ Government and approve the subsidized retail supply tariff for FY 2025-26.

E. Condone the delay in filing of the Tariff Petition.

F. Grant any other relief as the Hon'ble Commission may consider appropriate.

G. The Petitioner craves leave of the Hon'ble Commission to allow further submission, addition and alteration to this petition as may be necessary from time to time.

H. Condone any inadvertent omissions/ errors/ shortcomings and permit the Petitioner to add/ change/ modify/alter this fling and make further submissions as may be required at a future date.

I. To pass any other Order as the Hon'ble Commission may deem fit and appropriate under the circumstances of the case and in the interest of justice.

Kashmir Power Distribution Corporation Limited

Petitioner

Place: Srinagar Date:_____

Table of Contents

List of Tables

List of Figures

List of Abbreviations

Meaning/ expanded form	Abbreviation
Aggregate Revenue Requirement	ARR
Annual Fixed Cost	AFC
Below Poverty Line	BPL
Central Electricity Authority	CEA
Central Electricity Regulatory Commission	CERC
Capital Work in Progress	CWIP
Consumer Price Index	CPI
Cumulative Aggregate Growth Rate	CAGR
Electricity Act	EA
Electric Vehicle	EV
Distribution Transformer	DTR
Detailed Project Report	DPR
Financial Year	FY
Head End System	HES
High Voltage Direct Supply	HVDS
High Tension	HT
Horse Power	HP
Hydro Electric Project	HEP
Intra State Transmission System	ISTS
Inter State Transmission System	InSTS
Jammu and Kashmir Energy Development Agency	JAKEDA
Joint Electricity Regulatory Commission	JERC
Jammu and Kashmir Power Corporation Limited	JKPCL
Jammu and Kashmir Power Development Corporation Limited	JKPDCL
Jammu and Kashmir Power Development Department	JKPDD
Jammu and Kashmir Power Transmission Corporation Limited	JKPTCL
Jammu Power Distribution Corporation Limited	JPDCL
Joint Venture	JV
Jammu and Kashmir	J&K
Kashmir Power Distribution Corporation Limited	KPDCL

Meaning/ expanded form	Abbreviation
Kilometer	Km
Kilo Volt	kV
Kilo Volt Ampere Hour	kVAh
Ladakh Power Development Department	LPDD
Merit Order Dispatch	MOD
Meter Data Management	MDM
Million Volt Amperes	MVA
Million Units	MU
Mega Watt	MW
Ministry of Power	MOP
Memorandum of Understanding	MOU
Multi Year Tariff	MYT
National Hydropower Corporation Limited	NHPC
National Load Despatch Center	NLDC
National Thermal Power Corporation Limited	NTPC
Nuclear Power Corporation Limited	NPCIL
Operation & Maintenance	O&M
Prime Minister's Development Package	PMDP
Power Intensive Unit	PIU
Power Grid Corporation of India Limited	PGCIL
Power Purchase Agreement	PPA
Power Supply Agreement	PSA
Repair & Maintenance	R&M
Regassified Liquid Natural Gas	RLNG
Revamped Distribution Sector Scheme	RDSS
Rural Electrification Corporation	REC
REC Power Development and Consultancy Limited	RECPDCL
Power System Operation Corporation	POSOCO
Renewable Purchase Obligation	RPO
Security Deposit	SD
Solar Energy Corporation of India Limited	SECI
Satluj Jal Vidyut Nigam Limited	SJVNL
Tariff Based Competitive Bidding	TBCB
Time of Day	ToD
Total Expenditure	TOTEX
Unified Billing System	UBS
Union Territory	UT
Work In Progress	WIP
Wholesale Price Index	WPI

1. Chapter 1: Introduction

1.1. Background

1.1.1. The erstwhile state of Jammu and Kashmir consisted unbundled utility Jammu and Kashmir Power Development Department (JKPDD) which was responsible for Trading, Transmission and Distribution of electricity within whole of the state of Jammu and Kashmir.

1.1.2. The J&K Reorganization Act, 2019 was enacted by the Parliament of India on 9th August 2019 wherein the State of Jammu and Kashmir was divided into Union Territory of Jammu and Kashmir & Union Territory of Ladakh. Consequent to the approval of State Administrative Council of J&K, the Power Development Department was unbundled into several Power Corporations on 23rd October 2019 via Government Order No. 191-PDD of 2019 and KPDCL was created on 23.10.2019 as Distribution Licensee for Kashmir region in the UT of J&K.

1.1.3. The Lt. Governor of Jammu and Kashmir made and gave effect to the "Jammu and Kashmir Power Development Department (Re-organisation) First Transfer Scheme 2020" vide Notification dated 20th March 2020. Post the unbundling of various utilities in the UT of J&K, the revised structure of Power utilities is as follows:

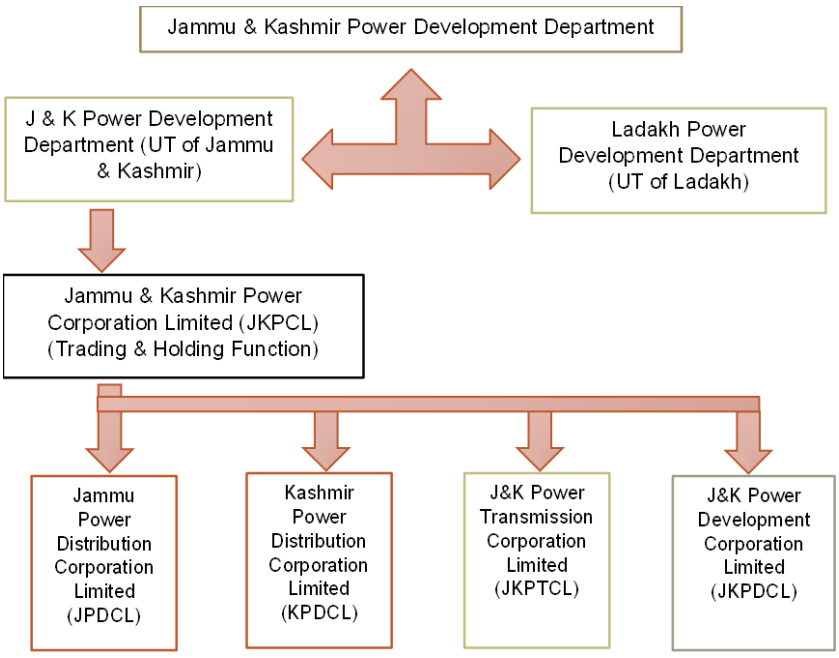

Figure 1: Revised existing structure of power utilities in UT of J&K and UT of Ladakh

1.1.4. In exercise of the powers conferred by sub section 5 of section 83 of the Electricity Act 2003 (36 of 2003), the Central Government constituted Joint Electricity Regulatory Commission for the Union Territories of Jammu and Kashmir and Ladakh (herein referred as "Commission") vide S.O. 1984(E) dated 18th June 2020.

1.1.5. The Commission is a statutory body with quasi-judicial status, constituted under the first proviso of Section 83 Electricity Act 2003. The Commission is a three-member body designated to function as an autonomous authority responsible for regulation of the power sector in the Union Territories of Jammu & Kashmir and Ladakh.

1.1.6. All proceedings before the Commission are deemed to be judicial proceedings within the meaning of sections 193 and 228 of the Indian Penal Code and the Commission is deemed to be a Civil court for the purposes of sections 345 and 346 of the Code of Criminal Procedure, 1973. The Commission has the power to act as arbitrator or nominate arbitrators to adjudicate and settle disputes arising between licensees.

1.1.7. The Commission vide Gazette Notification No. JERC-JKL/Tech-13/2021 dated 31st March 2021, notified "JERC for UT of J&K and UT of Ladakh (Adoption of various Regulations of JERC for the state of Goa and UTs) Regulations, 2021". Vide these Regulations, the Commission adopted various Regulations of JERC for the state of Goa and UTs with amendments up to date for one year or till replacement of corresponding regulation framed by the Commission. The Commission adopted "JERC MYT Goa and UTs (Generation, Transmission and Distribution) Regulations, 2018" applicable for determination of tariff for all the Generation companies, Transmission Licensees and Distribution Licensees in UT of J&K and UT of Ladakh.

1.1.8. The Commission vide Suo-Motu Order No. 57 of 2021 dated 1 December 2021 by exercising its powers to amend (Regulation 70.1 of the Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018), extended the adopted Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018 till FY 2025-26.

1.1.9. The Commission vide its Order No. JERC/ 6 of 2022 dated 13th October 2022 approved the Aggregate Revenue Requirement (ARR) and Distribution Tariff for FY 2022-23 as per the adopted Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018.

1.1.10. The Commission vide its notification No. JERC-JKL/Reg/2023/13 dated 10th November 2023 notified Joint Electricity Regulatory Commission for the UT of Jammu & Kashmir and the UT of Ladakh (Terms and Conditions for Determination of Multi Year Generation, Transmission, Distribution Tariff) Regulations, 2023 henceforth referred as 'JERC MYT Regulations 2023'.

1.1.11. The Commission vide its Order No. JERC/13 of 2023 dated 24 November 2023 approved the Business Plan and MYT for the period from FY 2023-24 to FY 2025-26 and Tariff for FY 2023-24 as per the adopted Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018.

1.1.12. The Petitioner submitted its Petition regarding the Annual Performance Review of FY 2023-24, Aggregate Revenue Requirement of FY 2024-25 and Tariff for FY 2024-25 as per the Joint Electricity Regulatory Commission for the UT of Jammu and Kashmir and Ladakh Multi Year Tariff Regulations, 2023. The Hon'ble Commission vide letter No. JERC/ Law-S/ P/ 2023-24/ F-66/ 299-300 dated 1st August 2024 informed the Petitioner that it has admitted the Petition.

1.2. Basis for current petition

1.2.1. Annual Performance Review (APR) of FY 2024-25

1.2.2. The Annual Performance Review (APR) of FY 2024-25 is filed in accordance with Regulation 11.1 and 11.2 of the JERC MYT Regulations 2023.

1.2.3. For APR the Petitioner has considered actual figures/ information for the first half (H1) of FY 2024-25 (i.e. September 2024) and has projected the same for the second half (H2) of FY 2024-25 based on historical trend/ certain assumptions.

1.2.4. Aggregate Revenue Requirement of FY 2025-26 and Tariff proposal for FY 2025-26.

1.2.5. The Petitioner has filed the revised ARR of FY 2025-26 and Tariff Proposal of FY 2025-26 as per Regulations 11.1 and 11.2 of the JERC MYT Regulations 2023 as FY 2025-26 is the ensuing year.

1.2.6. The Petitioner has projected the revised ARR of FY 2025-26 considering revised ARR of FY 2024-25 (as per APR exercise) as the base using appropriate inflation indices as specified by the Hon'ble Commission.

1.2.7. The Petitioner has prepared the tariff proposal for FY 2025-26 based on the regulatory framework and projected ARR of FY 2025-26.

2. Chapter 2: Annual Performance Review of FY 2024-25

2.1. Introduction

2.1.1. Regulation 11.1 of the JERC MYT Regulations 2023 prescribes filing of Annual Performance Review of the current year. The relevant extract of the Regulation is as follows:

"*11.1 The Generating Company, Transmission Licensee and Distribution Licensee shall file an application for the annual performance review of the current year, truing up of the previous Year or the Year for which the audited accounts are available and determination of tariff for each of the ensuing Years on or before 30th November of each year, in formats specified by the Commission from time to time:*

……."

2.1.2. Regulation 11.2 of the JERC MYT Regulations 2023 specifies the scope of the Annual Performance Review petition. The relevant extract of the Regulation is as follows:

"*11.2 The scope of the annual performance review, truing up, and tariff determination shall be a comparison of the performance of the Generating Company, Transmission Licensee, or Distribution Licensee with the approved forecast of Aggregate Revenue Requirement and Expected Revenue from Tariff and Charges and shall comprise of the following:*

a) True-up: a comparison of the audited performance of the Applicant for the Financial Year for which the true-up is being carried out with the approved forecast for such previous Financial Year, subject to the prudence check;

b) Annual Performance Review: a comparison of the revised performance targets of the Applicant for the current Financial Year with the approved forecast in the Tariff Order corresponding to the Control Period for the current Financial Year subject to prudence check;

c) Tariff determination for the ensuing Year of the Control Period based on the revised forecast of the Aggregate Revenue Requirement for the Year;

d) Review of compliance with directives issued by the Commission from time to time;

e) Other relevant details, if any" {Emphasis added}

2.1.3. In line with the above provisions the Petitioner has filed the current Petition.

2.2. Capital Expenditure & Capitalization

2.2.1. The details of the actual Capital Expenditure under UT Capex Scheme for H1 FY 2024-25 and planned capital expenditure for H2 FY 2024-25 are summarized in the following table.

Table 1: Details of Actual and Projected Capital Expenditure in FY 2024-25.

Particulars	Actual	Projected	Total
	FY 2024-25 (H1)	FY 2024-25 (H2)	
CE P&P	0.21	1.01	1.22
CE Distribution	95.37	77.26	172.63
CE Projects	4.13	6.84	10.97
UT Share for Central Sponsored Scheme	1.35	144.5	145.85
UT Capex	**101.06**	**229.61**	**330.67**

2.2.2. The Petitioner shall submit Capital Expenditure related details regarding RDSS scheme in due course of time.

2.2.3. The details of the actual capitalization of UT Capex Scheme for H1 FY 2024-25 and planned capitalization for H2 FY 2024-25 are discussed in the following table.

Table 2: Actual and Projected Capitalization for FY 2024-25.

Particulars	Actual	Projected	Total
	FY 2024-25 (H1)	FY 2024-25 (H2)	
CE P&P	0.105	0.61	0.715
CE Distribution	47.685	86.315	134
CE Projects	2.065	5.485	7.55
UT Share for Central Sponsored Scheme	0.675	72.925	73.6
UT Capex	**50.53**	**165.335**	**215.865**

2.2.4. The Petitioner shall submit Capitalization related details regarding RDSS scheme in due course of time.

2.2.5. The Hon'ble Commission is requested to approve the above said estimate of capital expenditure and capitalization of the Petitioner for the APR of FY 2024-25.

2.3. Revised forecast of No. of consumers, connected load and energy sales.

Revised Forecast of No. of consumers:

2.3.1. The Petitioner submitted projections of no. of consumers for FY 2023-24 to FY 2025-26 in the Business plan petition which was approved by the Hon'ble Commission vide Order no. JERC/ 13 of 2023 dated 24 November 2023.

2.3.2. For APR of FY 2024-25 the Petitioner has used actual number of consumers at the end of September 2024 as the base and has used past trend of the growth in consumer numbers coupled with growth observed in H1 of FY 2024-25 to project number of consumers for H2

of FY 2024-25. The assumptions considered for projecting the conservative estimate of consumer category-wise growth rate are as follows:

Table 3: Assumptions used for projection of growth rate of H2 FY 2024-25 consumer numbers

6 Year CAGR	H1 growth rate	Growth rate considered for H2 FY 2024-25
Negative	Positive	H1 Growth Rate is considered
Negative	Negative	0% Growth Rate considered
Positive	Negative	0% Growth Rate considered
Positive	Positive	Half of the 5 Year CAGR considered

Table 4: Growth rate considered for projection of consumer numbers of H2 FY 2024-25

Sr. No.	Consumer Category	Metered/ Unmetered	6 Yr. CAGR	FY 2023-24 (H1) Growth Rate	Growth Rate Considered
1	**Domestic**				
2	Below Poverty Line (Consumption up to 30 units/ month)	Metered	2.57%	15.24%	1.28%
3	Up to 200 units per month	Metered	0.50%	17.41%	0.25%
4	201-400 units per month	Metered	12.73%	39.38%	6.36%
5	> 400 units per month	Metered	24.87%	17.04%	12.44%
6	Up to 1/4 kW	Unmetered	-22.49%	-53.02%	0.00%
7	Above 1/4 kW up to 1/2 kW	Unmetered	-18.07%	-61.67%	0.00%
8	Above 1/2 kW up to 3/4 kW	Unmetered	3.44%	-70.17%	0.00%
9	Above 3/4 kW up to 1 kW	Unmetered	36.22%	-30.84%	0.00%
10	Above 1 kW up to 2 kW	Unmetered	50.59%	202.44%	25.29%
11	Above 2 kW	Unmetered	14.99%	117.49%	7.49%
12	**Non-Domestic/Commercial**				
13	Single Phase Up to 200 units per month	Metered	7.24%	10.64%	3.62%
14	Single Phase 201-500 units per month	Metered	23.71%	17.80%	11.86%
15	Single phase > 500 units per month	Metered	3.68%	13.29%	1.84%
16	Three Phase for all units	Metered	5.97%	1.93%	2.99%
17	Up to 1/4 kW	Unmetered	-0.25%	-18.65%	0.00%
18	Above 1/4 kW up to 1/2 kW	Unmetered	2.33%	19.69%	1.16%
19	Above 1/2 kW up to 3/4 kW	Unmetered	7.22%	-1.68%	0.00%
20	Above 3/4 kW up to 1 kW	Unmetered	-0.60%	5.70%	5.70%
21	Above 1 kW	Unmetered	0.08%	6.43%	0.04%
22	**State/Central Govt department**				
23	LT Supply	Metered	14.01%	19.53%	7.01%
24	11 kV Supply	Metered	9.73%	17.68%	4.87%
25	33 kV Supply and above	Metered	1.68%	-40.00%	0.00%

Sr. No.	Consumer Category	Metered/ Unmetered	6 Yr. CAGR	FY 2023-24 (H1) Growth Rate	Growth Rate Considered
26	**Agriculture**				
27	0-10 HP	Metered	17.77%	19.06%	8.88%
28	11-20 HP	Metered	11.26%	30.95%	5.63%
29	Above 20 HP	Metered	4.56%	6.14%	2.28%
30	0-10 HP	Unmetered	9.28%	9.57%	4.64%
31	11-20 HP	Unmetered	-7.53%	-58.33%	0.00%
32	Above 20 HP	Unmetered	-3.92%	-32.95%	0.00%
33	**Public Street Lighting**				
34	Public Street Lighting - Metered	Metered	28.58%	22.00%	14.29%
35	Public Street Lighting - Unmetered	Unmetered	-6.34%	1.25%	1.25%
36	**LT Public Water Works**				
37	LT Public water works	Metered	-1.47%	-13.61%	0.00%
38	**HT Public Water Works**				
39	11 kV Supply	Metered	0.46%	1.37%	0.23%
40	33 kV Supply	Metered	18.36%	57.14%	9.18%
41	**LT Industrial Supply**				
42	LTIS-I For consumers with connected load < 50 kW	Metered	0.10%	-3.04%	0.00%
43	LTIS-II For consumers with connected load > 50 kW	Metered	10.23%	14.08%	5.11%
44	LTIS-II For all metered consumers and having load up to 15 HP	Metered	0.00%	0.00%	
45	**HT Industrial Supply**				
46	11 kV Supply	Metered	8.44%	-1.31%	8.44%
47	33 kV Supply and above	Metered	1.08%	-9.43%	1.08%
48	**HT PIU**				
49	11 kV Supply	Metered	-10.91%	-66.67%	0.00%
50	33 kV Supply and above	Metered	0.00%	0.00%	0.00%
51	**Bulk Supply**				
52	11 kV Supply	Metered	8.08%	17.02%	4.04%
53	33 kV Supply and above	Metered	12.25%	25.00%	6.12%

2.3.3. The Petitioner has only one consumer under EV Charging station since the notification of this category and the Petitioner is not expecting it to change over the period of H2 of FY 2024-25. Traction category's growth is driven by the set up and usage of railway network in the region. The Petitioner is not expecting any new application under traction category for H2 of FY 2024-25 and has kept the number of consumers constant for H2 of FY 2024-25.

2.3.4. Considering the challenges faced by the Petitioner in smart meter roll-out, the Petitioner has revised the Smart Meter rollout plan. The Petitioner has revised forecast of no. of consumers in each of the consumer categories. Projections for H2 FY 2024-25 and revised

estimates for FY 2024-25 compared with approved numbers in the Business Plan is as follows:

Table 5: Revised forecast of no. of consumers for FY 2024-25

Consumer Category	FY 2024-25		
	Approved By Commission*	(H1) Cumulative Actuals	(H2) Cumulative Projected
Domestic – Metered	1115294	300750	393948
Domestic – Unmetered		641360	656879
Non-Domestic/Commercial – Metered	172730	147315	156703
Non-Domestic/Commercial – Unmetered		23676	20663
State/Central Govt department	5430	5866	6198
Agriculture – Metered	1139	1466	1829
Agriculture – Unmetered		247	0
Public Street Lighting – Metered	200	163	266
Public Street Lighting – Unmetered		79	0
LT Public Water Works	619	403	403
HT Public Water Works	347	318	320
LT Industrial Supply	12129	10308	10334
HT Industrial Supply	291	287	308
HT PIU	2	3	3
Bulk Supply	90	138	144
Electric Vehicle (EV) Charging Station	4	1	1
Traction	3	4	4
Total	**1308278**	**1132384**	**1248003**

** Hon'ble Commission has combined the number of consumers of metered and unmetered consumers for Domestic, Non-Domestic, Agriculture and Public Street lighting in the Tariff order.*

Revised Projection of Connected load/ sanctioned load

2.3.5. For projecting the connected load/ sanctioned load the Petitioner has considered the connected load/ sanctioned load as of FY 2024-25 (H1) as the base. In order to project the load in the future based on the no. of consumers in that subcategory/ slab (to account for the metering of unmetered consumers) the Petitioner has arrived at the connected load (in MW) using the consumer category and slab wise sanctioned load (in kW) per consumer metric for FY 2024-25 (H1). This metric is used to arrive at the corresponding load in proportion to the No. of consumers in that slab/ consumer category for FY 2024-25 (H2). Based on the above method the revised forecast for the connected load/ sanctioned load for FY 2024-25 is as follows:

Table 6: Forecast of connected load/ sanctioned load (in MW)

Consumer Category	FY 2024-25	
	Approved In Tariff Order*	Revised Projection
Domestic – Metered	2777.47	1131.95
Domestic – Unmetered		817.98
Non-Domestic/Commercial – Metered	429.03	410.12
Non-Domestic/Commercial – Unmetered		30.99
State/Central Govt department	192.17	933.73
Agriculture – Metered	70.29	75.98
Agriculture – Unmetered		0.00
Public Street Lighting – Metered	1.81	9.23
Public Street Lighting – Unmetered	0	0.00
LT Public Water Works	17.97	17.21
HT Public Water Works	30.08	31.41
LT Industrial Supply	244.33	185.14
HT Industrial Supply	124.34	142.65
HT PIU	0.511	0.07
Bulk Supply	34.95	53.65
Electric Vehicle (EV) Charging Station	1.64	2.03
Traction	1.54	10.06
Total	**3926.12**	**3852.19**

** Hon'ble Commission has combined the sanctioned load of metered and unmetered consumers for Domestic, Non-Domestic, Agriculture and Public Street lighting in its Tariff Order*

Revised Projection of Sales

1.1.1. For projection of Sales of each consumer category for FY 2024-25, the Petitioner has used actual sales of FY 2023-24 as the base and past trend of growth in sales for each category. The Petitioner has used the 7-year CAGR (FY 2016-17 to FY 2023-24) to project growth for FY 2024-25 and in cases where CAGR was negative Petitioner has used nil growth rate in sales as a conservative estimate. For categories where 7 Year CAGR was observed >20%, the Petitioner has used 50% of 7 Year CAGR to project sales growth for FY 2024-25. For Categories where 7 Year CAGR was >0% and <20%, the Petitioner has used 7 Year CAGR as sales growth for FY 2025-26. After that Petitioner has determined Sales for H2 by reducing actual H1 sales for FY 2024-25 from the total projected sales for each category.

Table 7: Forecast of sales (in MU)

Consumer Category	FY 2024-25			
	Approved By Commission	(H1) Actual	(H2) Projected	Total (H1+H2)
Domestic	2955.24	1764.57	2229.32	3993.89

Consumer Category	FY 2024-25			
	Approved By Commission	(H1) Actual	(H2) Projected	Total (H1+H2)
Non-Domestic/Commercial	692.92	289.06	337.20	626.26
State/Central Govt department	380	180.69	249.53	430.22
Agriculture	114.36	61.23	20.10	81.34
Public Street Lighting	12.61	5.39	17.28	22.67
LT Public water works	88.46	18.47	19.82	38.29
HT Public water works	83.76	36.78	40.45	77.23
LT Industrial supply	108.03	58.65	55.21	113.86
HT Industrial supply	334.88	170.85	215.04	385.89
HT-PIU Industrial Supply	0.17	1.11	0.72	1.83
General Purpose Bulk	45.41	35.54	45.71	81.25
EV Charging Station	2.23	4.17	4.17	8.34
Traction	3.18	3.82	3.82	7.64
Total	**4821.25**	**2630.33**	**3238.36**	**5868.70**

2.3.6. The Petitioner requests the Hon'ble Commission to approve the above forecast of no. of consumers, connected load/ sanctioned load and sales for FY 2024-25.

2.4. Energy Balance

2.4.1. Jammu and Kashmir Power Corporation Ltd. (JKPCL), the holding company of the distribution utilities in the UT of J&K and UT of Ladakh is authorized to procure power for the distribution utilities in the UT of J&K i.e. JPDCL and KPDCL as well as UT of Ladakh which is LPDD. JKPCL procures power from firm sources (with which it has Power Purchase Agreements (PPA)) and from short term sources such as bilateral, power exchange etc. The energy balance is used to arrive at the power procurement plan i.e. the quantum of power purchase required from various sources based on the sales estimate of various distribution utilities, grossed up by the distribution loss trajectory.

Transmission Losses:

2.4.2. The Intra-state transmission losses (JKPTCL network transmission losses) are considered as per the transmission losses approved by the Hon'ble Commission in the Business Plan and MYT Order of JKPTCL for the period from FY 2023-24 to FY 2025-26 (Order in Petition No. JERC/P/04 of 2023 dated 10 October 2023). For the Inter-state transmission losses (PGCIL network transmission losses) the Petitioner has considered data as available on the

National Load Despatch Center (NLDC) website[1]. The Central Electricity Regulatory Commission (CERC) has notified of CERC (Sharing of Inter State Transmission Charges and Losses)Regulations, 2020 on 04 May 2020; w.e.f. 1 November 2020. As per clause 10 of these Regulations, transmission losses for Inter State Transmission System (ISTS) shall be calculated on an all-India average basis for each week, from Monday to Sunday. The all-India transmission loss would be based upon the average loss computed from the SEM data of the previous week.

Table 8: Weighted average ISTS for FY 2024-25

Time Period		ISTS %
From	To	
01-Apr-24	07-Apr-24	3.76
08-Apr-24	14-Apr-24	3.57
15-Apr-24	21-Apr-24	3.43
22-Apr-24	28-Apr-24	3.53
29-Apr-24	05-May-24	3.29
06-May-24	12-May-24	3.26
13-May-24	19-May-24	3.33
20-May-24	26-May-24	3.47
27-May-24	02-Jun-24	3.36
03-Jun-24	09-Jun-24	3.42
10-Jun-24	16-Jun-24	3.51
17-Jun-24	23-Jun-24	3.40
24-Jun-24	30-Jun-24	3.53
01-Jul-24	07-Jul-24	3.61
08-Jul-24	14-Jul-24	3.67
15-Jul-24	21-Jul-24	3.96
22-Jul-24	28-Jul-24	3.54
29-Jul-24	04-Aug-24	3.68
05-Aug-24	11-Aug-24	3.71
12-Aug-24	18-Aug-24	3.83
19-Aug-24	25-Aug-24	3.43
26-Aug-24	01-Sep-24	3.11
02-Sep-24	08-Sep-24	3.21
09-Sep-24	15-Sep-24	3.15
16-Sep-24	22-Sep-24	3.08
23-Sep-24	29-Sep-24	3.23
30-Sep-24	06-Oct-24	3.36
07-Oct-24	13-Oct-24	2.99
14-Oct-24	20-Oct-24	3.60
21-Oct-24	27-Oct-24	3.62
28-Oct-24	03-Nov-24	3.45

[1] Source: https://posoco.in/side-menu-pages/applicable-transmission-losses/

Time Period		
From	**To**	**ISTS %**
04-Nov-24	10-Nov-24	4.04
11-Nov-24	17-Nov-24	3.59
18-Nov-24	24-Nov-24	3.93
25-Nov-24	01-Dec-24	3.96
02-Dec-24	08-Dec-24	4.07
09-Dec-24	15-Dec-24	3.83
16-Dec-24	22-Dec-24	3.82
23-Dec-24	29-Dec-24	3.80
Weighted Average		**3.54%**

2.4.3. The weighted average All-India transmission loss for FY 2024-25 (1st April to 29th Dec 2024) was 3.54%, the same is considered towards ISTS losses.

Table 9: InSTS and ISTS losses considered for energy balance.

Particulars	Loss estimates for FY 2024-25
JKPTCL/ InSTS losses	3.07%
ISTS losses	3.54%

Distribution Losses

2.4.4. As discussed at section 2.1.1 the various loss reduction measures such as consumer smart metering, HVDS LT cabling, IT/OT enablement works, feeder bifurcation and segregation and Distribution lines related works are progressing behind the schedule. This has impacted the pace at which the actual distribution losses were supposed to reduce as per the trajectory agreed under the RDSS scheme.

2.4.5. The Power Minister in an interaction held at the office of CERC with Forum of Regulators in New Delhi on 3rd October 2023 stressed that, the AT&C losses shall be realistic and the regulators shall ensure that the tariff is cost reflective. The extract from the press statement is quoted as follows:

*"The Minister urged the regulators to ensure that the **tariff is cost-reflective, covering the entire cost of service of DISCOMs.** He pointed out that Government of India has made energy audit compulsory. This shall be monitored, as it will help in identifying areas of leakage / theft of power and help in reducing AT&C losses. He advised **that the trajectories for reduction of AT&C losses should be realistic.**"*

2.4.6. In light of the above the Petitioner has considered actual levels of distribution losses of Petitioner which are, ~47% for the Petitioner (See Q1 FY 2024-25 Energy Accounts of the

Petitioner as **Annexure-3**), ~32% for JPDCL and ~24% for LPDD (as approved by the Hon'ble Commission in LPDD's Business Plan).

2.4.7. Based on the sales projection, the actual recorded distribution and transmission losses, and the energy procurement planned by JKPCL at the UT levels, the projected energy balance for FY 2024-25 is as follows:

Table 10: Projected Energy Balance for FY 2024-25 (All values in MU)

Distribution Licensee	Sales in MU	Distribution Loss level (%)	Energy at DISCOM Periphery	Energy available from internal generation sources located in Ladakh*	Energy required at DISCOM level
JPDCL*	6021.71	32.61%	8935.63		8935.63
KPDCL*	5868.70	47.79%	11241.07		11241.07
LPDD**	209.42	24.45%	277.19	15.58	261.61
Total	**12099.82**		**20453.88**		**20438.30**

*Distribution losses of JPDCL, KPDCL arrived at after adjustment for sales and energy at DISCOM periphery.
**Distribution losses of LPDD is as per the Tariff order for FY 2024-25 dated 27th June 2024

Energy required at DISCOM level	Intra-state Transmission loss	Energy required at UT level from JKPCL	Supply by JKPDCL and others within UT at UT level at Generation Periphery	Supply by CGS and other external sources at UT level	Inter-state Transmission loss	Supply by CGS and other external sources at Generation Periphery
20438.30	**3.07%**	**21085.63**	**4282.86**	**16802.77**	**3.54%**	**17419.74**

2.4.8. Following table provides the summary of the total quantum of energy purchase required at DISCOM periphery and projected power purchase quantum for FY 2024-25:

Table 11: Projected Power purchase quantum at DISCOM periphery (JPDCL, KPDCL and LPDD) & at Generation periphery for FY 2024-25

Particulars	Legend	FY 2024-25 (APR Projection)
Total quantum of energy purchase required at JKPCL <> DISCOM periphery (MU)	A	20453.88
Supply by JKPDCL and others within UT at UT level at Generation Periphery (MU)	B	4282.86
Supply by CGS and other external sources at Generation Periphery (MU)	C	17419.74
Total quantum of energy purchase required at Generation Periphery (MU)	**D = C+B**	**21702.60**

2.5. Power Purchase Expenses

2.5.1. The Petitioner has arrived at the revised estimate of power purchase expenses for FY 2024-25 based on the total quantum of energy purchase required at the generation periphery and actual power purchase rates and cost for the months from April 2024 to September 2024 as submitted by JKPCL.

2.5.2. **Power Purchase from NTPC, NHPC, NPCIL and Other CSPPs**: The Petitioner has considered actual quantum of energy procured, capacity charges, other charges, and variable charge rate as per actuals for the months from April 2024 to September 2024 as submitted by JKPCL. For projecting the power purchase for the remaining months of October 2024 to March 2025 the Petitioner has considered the quantum, energy charge and capacity charges as projected by JKPCL.

2.5.3. **Power Purchase from JKPDCL's hydropower stations**: The Hon'ble Commission approved the revised tariff for JKPDCL's hydropower stations vide its Order No. JERC/ 07 of 2024 dated 28 June 2024 which was effective from 1st July 20224 onwards. Accordingly, the Petitioner has considered energy charge rate and capacity charges till 30 June 2024 as per the Tariff Order applicable for FY 2023-24 (JERC/10 dated 10 October 2023). Further, the Petitioner has considered the actual monthly quantum of energy procured during the months from April 2024 to September 2024 as submitted by JKPCL and has considered the estimated quantum of energy for the remaining months of October 2024 to March 2025. The capacity charges and energy charges for FY 2024-25 are projected based on pro-rated no. of days i.e. 1st April 2024 to 30th June 2024 (90 days) and from 1st July 2024 to 31st March 2025 (275 days).

2.5.4. **Power Purchase from Renewable (Solar) sources**: Currently, JKPCL is procuring 20 MW of solar power from NHPC Ltd. (Source: Aavada). The Petitioner has considered actual quantum of power sourced for the months from April 2024 to September 2024 as submitted by JKPCL and has considered projected quantum of power for the remaining months of FY 2024-25 as estimated by JKPCL. As for the rate it is considered as per PPA approved by the Hon'ble Commission.

2.5.5. **Allocation of power from Central Sources:** The Central Government has allocated 300 MW under the Additional Power from Southern Region (Additional Power from SR) and 393 MW under the Shakti Scheme – V to UT of J&K. Accordingly, based on JKPCL's estimate of quantum and cost the same are included as part of the power purchase for FY 2024-25.

2.5.6. **Power Purchase from short term sources:** In order to meet the power shortfall JKPCL purchases power from various short-term sources such as the power exchange, bilateral sources etc. For the months from April 2024 to September 2024 JKPCL sold surplus energy of Rs. 1437.80 crore worth of power on IEX. Considering the prevailing power purchase rate on the power exchanges JKPCL has projected rate of Rs. 5.50/ kWh. for any additional power to be purchased during the remaining months of FY 2024-25. Considering this it is estimated that Rs. 1414.60 crore would be spent on purchase of power from short term sources in FY 2024-25.

2.5.7. **JKPTCL Transmission charges:** The Hon'ble Commission has approved Transmission charges of Rs. 16.91 crores/ month for FY 2024-25 vide its Order No. JERC/ 04 of 2024 dated 26 June 2024. The same is considered for FY 2024-25.

2.5.8. **PGCIL Transmission charges**: In FY 2023-24 JKPCL incurred CTU charges of Rs. 1081.128 crores. CTU charges are based on the capacity allocation. It is estimated that for FY 2024-25 there are no likely changes in the transmission capacity allocation and therefore, the same estimated transmission charges are considered for FY 2024-25.

2.5.9. **Other Charges**: Other charges such as POSOCO charges, Reactive Energy charges, water usage charges levied by NHPC, Deviation and Settlement Account charges are considered at actuals for H1 of FY 2024-25. It is estimated that for H2 of FY 2024-25 the other charges will be equal to that of H1 of FY 2024-25.

2.5.10. **JKPCL Trading Margin**: The Hon'ble Commission vide its Order No. JERC/7 of 2022 dated 21st November 2022 approved trading margin cap of Rs. 0.02/ kWh towards electricity traded/ procured by JKPCL on behalf of the distribution licensees in the UT of J&K and UT of Ladakh. Trading margin of Rs. 0.02/ kWh has been considered toward power purchase cost.

2.5.11. **Supplementary Bills**: It is submitted that, Central Sector Generating Stations including NTPC, NHPC, and other CSPPs serve supplementary bills to JKPCL on a monthly basis. These bills consist of charges related to change in law such as increase in railway freight, increase in coal prices, duties and levies etc. In FY 2023-24 JKPCL paid supplementary bills to the tune of Rs. 1200 crores. For FY 2023-24 JKPCL has estimated that the supplementary bills will be around Rs. 1200.61 crores. Accordingly, the same are considered. The Petitioner submits that it shall submit the details of actual supplementary bills paid by JKPCL at the time of truing up.

2.5.12. **Merit Order Despatch**: JKPCL procures power from various power plants on the basis of Merit Order Dispatch (MOD) principle after considering the supply from hydro, solar and

nuclear as 'Must-run'. For preparing the MOD stack, the variable charges as discussed above are considered. In case of JKSPDCL's hydro power station, the variable charge rate as approved by the Hon'ble Commission are considered. The simulated Merit Order for despatch for remaining period of FY 2024-25 is as follows:

Table 12: Projected Merit Order Despatch for remaining period of FY 2024-25

Name of power station	Source	Status	Variable Charges (Rs./ kWh)
STAKNA	Hydro	Must Run	0.24
KISHANGANGA	Hydro	Must Run	0.25
LOWER JHELUM HEP	Hydro	Must Run	0.40
GANDERBAL HEP	Hydro	Must Run	0.50
CHENANI HEP-I	Hydro	Must Run	0.53
SALAL	Hydro	Must Run	0.54
URI	Hydro	Must Run	0.54
USHP II KANGAN	Hydro	Must Run	0.58
USHP I SUMBAL	Hydro	Must Run	0.63
BHADERWAH HEP	Hydro	Must Run	0.71
BHEP-1	Hydro	Must Run	0.81
URI-II	Hydro	Must Run	0.87
SEWA-II	Hydro	Must Run	0.93
CHENANI HEP-III	Hydro	Must Run	0.94
CHENANI HEP-II	Hydro	Must Run	0.94
CHAMERA-II	Hydro	Must Run	1.07
CHAMERA-I	Hydro	Must Run	1.14
SJVNL Rampur	Hydro	Must Run	1.14
DULHASTI	Hydro	Must Run	1.16
IQBAL HEP	Hydro	Must Run	1.19
SJVNL NJ	Hydro	Must Run	1.20
SIPAT-1	Thermal	Merit Order	1.35
LARA	Thermal	Merit Order	1.36
SIPAT-2	Thermal	Merit Order	1.39
KORBA-3	Thermal	Merit Order	1.40
KORBA-1	Thermal	Merit Order	1.43
DAULIGANGA	Hydro	Must Run	1.45
VINDHYACHAL-4	Thermal	Merit Order	1.50
SINGRAULI THERMAL	Thermal	Merit Order	1.51
VINDHYACHAL-3	Thermal	Merit Order	1.52
VINDHYACHAL-2	Thermal	Merit Order	1.53
RIHAND-III	Thermal	Merit Order	1.53
PARBATI-III	Hydro	Must Run	1.54
VINDHYACHAL-5	Thermal	Merit Order	1.55
RIHAND-II	Thermal	Merit Order	1.55
RIHAND-I	Thermal	Merit Order	1.56
VINDHYACHAL-1	Thermal	Merit Order	1.59
PAHALGAM MHEP	Hydro	Must Run	1.70
KARNAH HEP	Hydro	Must Run	1.73
SEWA HEP-III	Hydro	Must Run	1.78
MARPACHOO HEP	Hydro	Must Run	1.88
HUNDER	Hydro	Must Run	2.14
JHANOR GANDHAR	Thermal	Merit Order	2.17

Name of power station	Source	Status	Variable Charges (Rs./ kWh)
KAWAS 4 GAS	Thermal	Merit Order	2.20
CHAMERA-III	Hydro	Must Run	2.21
PTC THEP	Hydro	Must Run	2.27
SANJAK	Hydro	Must Run	2.29
DADRI (GAS)	Thermal	Merit Order	2.34
ANTA (GAS)	Thermal	Merit Order	2.36
IGO MERCELLONG HEP	Hydro	Must Run	2.37
AURIYA (GAS)	Thermal	Merit Order	2.38
SECI (Solar 100 MW - Tranche IX)	Solar	Must Run	2.43
KOLDAM	Hydro	Must Run	2.45
JHANOR GANDHAR NAPM	Thermal	Merit Order	2.46
TANAKPUR	Hydro	Must Run	2.48
KAWAS 4 NAPM	Thermal	Merit Order	2.48
NTPC (320 MW)	Solar	Must Run	2.57
SJVNL (600 MW)	Solar	Must Run	2.57
HAFTAL HEP	Hydro	Must Run	2.57
BHEP-2	Hydro	Must Run	2.61
NHPC (Solar 20 MW - Aavada)	Solar	Must Run	2.63
NAPS 1&2	Nuclear	Must Run	2.99
KAHALGAON-II	Thermal	Merit Order	3.05
SUMOOR	Hydro	Must Run	3.09
BAZGO	Hydro	Must Run	3.10
MEJA	Thermal	Merit Order	3.19
KAHALGAON-I	Thermal	Merit Order	3.22
FARAKKA	Thermal	Merit Order	3.38
TAPS 3&4	Nuclear	Must Run	3.42
MOUDA 1	Thermal	Merit Order	3.54
MOUDA 2	Thermal	Merit Order	3.58
GARDWARA	Thermal	Merit Order	3.61
UNCHAHAR-2	Thermal	Merit Order	3.65
RAPP 3&4 and 5&6	Nuclear	Must Run	3.65
TANDA	Thermal	Merit Order	3.79
NIMOO-BAZGO	Hydro	Must Run	3.80
CHUTAK	Hydro	Must Run	3.88
KHARGONE	Thermal	Merit Order	3.90
KAPS	Nuclear	Must Run	3.97
UNCHAHAR-4	Thermal	Merit Order	4.35
KHARI	Hydro	Must Run	4.40
JHAJJAR APCPL	Thermal	Merit Order	4.41
SOLAPUR	Thermal	Merit Order	4.44
UNCHAHAR-3	Thermal	Merit Order	4.65
NCTP-2	Thermal	Merit Order	4.66
UNCHAHAR-1	Thermal	Merit Order	4.75
SINGRAULI HYDRO	Hydro	Must Run	5.04
Shakti Scheme - V	Thermal	Merit Order	5.28
Additional Power from SR	Thermal	Merit Order	5.50
Short Term Power (IEX)	Thermal	Merit Order	5.55
KAWAS 4 LIQUID	Thermal	Merit Order	8.44
JHANOR GANDHAR RLNG	Thermal	Merit Order	11.01
KAWAS 4 RLNG	Thermal	Merit Order	11.11
DADRI (RLNG)	Thermal	Merit Order	11.12

Name of power station	Source	Status	Variable Charges (Rs./ kWh)
ANTA (RLNG)	Thermal	Merit Order	11.58
AURIYA (RLNG)	Thermal	Merit Order	11.62
AURIYA	Thermal	Merit Order	13.36
ANTA (LIQUID)	Thermal	Merit Order	13.41
DADRI (LIQUID)	Thermal	Merit Order	24.89

2.5.13. Based on the above inputs and assumptions the source-wise revised projected power purchase quantum, charges and costs as projected by JKPCL for JPDCL, KPDCL and LPDD is provided in the following table.

Table 13: Station wise power purchase quantum and expenses for FY 2024-25 (H1 Actuals + H2 Projected) (in Rs. Crores)

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity	Summer Entitlement	Winter Entitlement	Annual Energy Purchase	Variable Charge rate		Capacity Charges		Energy Charges	Other Charges	Total Charges
			MW	MW	MW	MU	(Apr 24-30 Jun 24) Rs. / kWh	(July 24- Mar 25) Rs./kWh	(Apr 24-30 Jun24) Rs. Crores	(July 24-Mar 25) Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
1	**IPP-Within UT**		**3.75**	**3.75**	**3.75**	**12.92**			0.00	0.00	**5.68**	**0.00**	**5.68**
2	KHARI	Hydro	3.75	3.75	3.75	12.92	4.40	4.40	0.00	0.00	5.68	0.00	5.68
3	**JKPDC**		**1211.96**	**1061.96**	**1061.96**	**4269.94**			**304.43**	**295.89**	**592.09**	**0.00**	**887.98**
4	BAZGO	Hydro	0.30	0.30	0.30	0.26	2.74	3.10	0.30	0.33	0.08	0.00	0.41
5	BHADERWAH HEP	Hydro	1.50	1.50	1.50	0.00	0.69	0.71	0.64	0.66	0.00	0.00	0.66
6	BHEP-1	Hydro	450.00	300.00	300.00	1892.69	0.84	0.81	209.84	202.93	153.31	0.00	356.24
7	BHEP-2	Hydro	450.00	450.00	450.00	1518.91	2.61	2.61	0.00	0.00	396.44	0.00	396.44
8	CHENANI HEP-I	Hydro	23.30	23.30	23.30	63.34	0.54	0.53	5.90	5.81	3.36	0.00	9.17
9	CHENANI HEP-II	Hydro	2.00	2.00	2.00	0.86	0.95	0.94	1.12	1.12	0.08	0.00	1.20
10	CHENANI HEP-III	Hydro	7.50	7.50	7.50	1.36	0.94	0.94	3.41	3.39	0.13	0.00	3.52
11	GANDERBAL HEP	Hydro	15.00	15.00	15.00	13.19	0.51	0.50	4.58	4.44	0.66	0.00	5.10
12	HAFTAL HEP	Hydro	1.00	1.00	1.00	0.59	2.94	2.57	1.42	1.24	0.15	0.00	1.39
13	HUNDER	Hydro	0.40	0.40	0.40	0.46	2.07	2.14	0.36	0.38	0.10	0.00	0.48
14	IGO MERCELLONG HEP	Hydro	3.00	3.00	3.00	5.48	2.26	2.37	3.55	3.73	1.30	0.00	5.03
15	IQBAL HEP	Hydro	3.75	3.75	3.75	0.39	1.19	1.19	2.50	2.51	0.05	0.00	2.56
16	KARNAH HEP	Hydro	2.00	2.00	2.00	7.34	1.76	1.73	1.97	1.94	1.27	0.00	3.21
17	LOWER JHELUM HEP	Hydro	105.00	105.00	105.00	569.73	0.41	0.40	24.89	24.14	22.79	0.00	46.93
18	MARPACHOO HEP	Hydro	0.75	0.75	0.75	0.15	1.88	1.88	0.90	0.91	0.03	0.00	0.94
19	PAHALGAM MHEP	Hydro	4.50	4.50	4.50	5.29	1.55	1.70	2.65	2.91	0.90	0.00	3.81
20	SANJAK	Hydro	1.26	1.26	1.26	0.91	2.25	2.29	0.99	1.01	0.21	0.00	1.22
21	SEWA HEP-III	Hydro	9.00	9.00	9.00	0.00	1.85	1.78	6.04	5.80	0.00	0.00	5.80
22	STAKNA	Hydro	4.00	4.00	4.00	0.00	0.24	0.00	0.46	0.46	0.00	0.00	0.46
23	SUMOOR	Hydro	0.10	0.10	0.10	0.12	2.76	3.09	0.12	0.14	0.04	0.00	0.18
24	USHP I SUMBAL	Hydro	22.60	22.60	22.60	51.00	0.66	0.63	6.92	6.63	3.21	0.00	9.84
25	USHP II KANGAN	Hydro	105.00	105.00	105.00	137.85	0.59	0.58	25.87	25.41	8.00	0.00	33.41
26	**NHPC**		**4304.00**	**938.63**	**862.05**	**4102.91**					**447.60**	**0.21**	**753.77**
27	CHAMERA-I	Hydro	540.00	21.06	21.06	79.71	1.14		7.46		9.08	0.00	16.54
28	CHAMERA-II	Hydro	300.00	35.14	27.66	151.79	1.07		9.22		16.31	0.01	25.55
29	CHAMERA-III	Hydro	231.00	26.30	21.50	104.56	2.21		19.76		23.13	0.01	42.90

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity	Summer Entitlement	Winter Entitlement	Annual Energy Purchase	Variable Charge rate		Capacity Charges		Energy Charges	Other Charges	Total Charges
			MW	MW	MW	MU	(Apr 24-30 Jun 24) Rs. / kWh	(July 24- Mar 25) Rs./kWh	(Apr 24-30 Jun24) Rs. Crores	(July 24-Mar 25) Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
30	CHUTAK	Hydro	44.00	44.00	44.00	166.70	3.88		63.90		64.68	0.00	128.58
31	DAULIGANGA	Hydro	280.00	29.55	23.74	110.93	1.45		12.28		16.12	0.01	28.41
32	DULHASTI	Hydro	390.00	99.98	91.87	537.36	1.16		9.75		62.30	0.01	72.07
33	KISHANGANGA	Hydro	330.00	57.70	50.84	250.88	0.25		2.66		6.22	0.01	8.90
34	NIMOO-BAZGO	Hydro	45.00	45.00	45.00	234.50	3.80		50.19		89.12	0.00	139.31
35	PARBATI-III	Hydro	520.00	59.20	48.40	58.54	1.54		57.04		9.01	0.09	66.14
36	SALAL	Hydro	690.00	237.29	237.29	1155.93	0.54		5.53		62.03	0.01	67.57
37	SEWA-II	Hydro	120.00	28.39	25.89	86.43	0.93		11.11		8.06	0.01	19.19
38	TANAKPUR	Hydro	94.00	7.22	7.22	29.26	2.48		36.12		7.24	0.01	43.38
39	URI	Hydro	480.00	163.01	163.01	748.18	0.54		6.80		40.61	0.01	47.42
40	URI-II	Hydro	240.00	84.79	54.57	388.16	0.87		14.13		33.68	0.01	47.82
41	**NPCIL**		**3280.00**	**164.47**	**112.03**	**1257.86**			**0.00**		**432.80**	**0.00**	**432.80**
42	KAPS	Nuclear	880.00	11.04	11.04	45.50	3.97		0.00		18.05	0.00	18.05
43	NAPS 1&2	Nuclear	440.00	52.14	43.27	404.93	2.99		0.00		120.98	0.00	120.98
44	RAPP 3&4 and 5&6	Nuclear	880.00	95.72	52.15	766.81	3.65		0.00		279.88	0.00	279.88
45	TAPS 3&4	Nuclear	1080.00	5.57	5.57	40.63	3.42		0.00		13.89	0.00	13.89
46	**NTPC**		**54901.01**	**3507.31**	**2621.76**	**5951.15**			**436.83**		**1629.37**	**53.94**	**2120.14**
47	ANTA (GAS)	Thermal	419.00	47.84	39.11	0.00	2.36		0.00		0.00	0.00	0.00
48	ANTA (LIQUID)	Thermal	419.00	47.84	39.11	0.00	13.41		0.00		0.00	0.00	0.00
49	ANTA (RLNG)	Thermal	419.00	47.84	39.11	1.61	11.58		24.63		1.86	0.00	26.49
50	AURIYA	Thermal	663.00	73.62	59.91	0.00	13.36		0.00		0.00	0.00	0.00
51	AURIYA (GAS)	Thermal	663.00	73.62	59.91	0.00	2.38		0.00		0.00	0.00	0.00
52	AURIYA (RLNG)	Thermal	663.00	73.62	59.91	1.08	11.62		33.87		1.26	0.00	35.12
53	DADRI (GAS)	Thermal	830.00	94.59	76.72	0.00	2.34		0.00		0.00	0.00	0.00
54	DADRI (LIQUID)	Thermal	830.00	94.59	76.72	0.00	24.89		0.00		0.00	0.00	0.00
55	DADRI (RLNG)	Thermal	830.00	94.59	76.72	1.67	11.12		36.91		1.86	15.74	54.51
56	FARAKKA	Thermal	1600.00	13.60	13.60	94.09	3.38		9.65		31.79	3.73	45.17
57	GARDWARA	Thermal	1600.00	8.30	8.30	51.54	3.61		21.90		18.58	0.00	40.48
58	JHANOR GANDHAR	Thermal	657.39	0.04	0.04	0.00	2.17		0.00		0.00	0.00	0.00
59	JHANOR GANDHAR NAPM	Thermal	657.39	0.04	0.04	0.00	2.46		-66.81		0.00	0.81	-66.00

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity	Summer Entitlement	Winter Entitlement	Annual Energy Purchase	Variable Charge rate		Capacity Charges		Energy Charges	Other Charges	Total Charges
			MW	MW	MW	MU	(Apr 24-30 Jun 24) Rs. / kWh	(July 24- Mar 25) Rs./kWh	(Apr 24-30 Jun24) Rs. Crores	(July 24-Mar 25) Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
60	JHANOR GANDHAR RLNG	Thermal	657.39	0.04	0.04	0.00	11.01		0.00		0.00	0.00	0.00
61	KAHALGAON-I	Thermal	840.00	30.91	30.91	217.42	3.22		12.98		70.06	0.00	83.04
62	KAHALGAON-II	Thermal	1500.00	83.40	83.40	568.39	3.05		10.55		173.57	0.03	184.16
63	KAWAS 4 GAS	Thermal	656.20	0.04	0.04	0.00	2.20		-66.00		0.00	0.00	-66.00
64	KAWAS 4 LIQUID	Thermal	656.20	0.04	0.04	0.00	8.44		0.00		0.00	0.00	0.00
65	KAWAS 4 NAPM	Thermal	656.20	0.04	0.04	0.00	2.48		0.00		0.00	0.00	0.00
66	KAWAS 4 RLNG	Thermal	656.20	0.04	0.04	0.01	11.11		0.00		0.01	0.00	0.01
67	KHARGONE	Thermal	1320.00	6.85	6.85	53.01	3.90		23.38		20.70	2.75	46.83
68	KOLDAM	Hydro	800.00	105.50	97.80	428.97	2.45		22.96		105.18	0.00	128.14
69	KORBA-1	Thermal	2100.00	5.79	5.79	44.56	1.43		8.02		6.36	0.25	14.64
70	KORBA-3	Thermal	500.00	2.59	2.59	19.93	1.40		10.62		2.79	0.74	14.15
71	LARA	Thermal	1600.00	8.23	8.23	62.85	1.36		16.94		8.54	0.34	25.82
72	MEJA	Thermal	1320.00	67.62	53.90	455.94	3.19		23.13		145.59	0.00	168.71
73	MOUDA 1	Thermal	1000.00	3.75	3.75	30.96	3.54		11.90		10.97	0.18	23.05
74	MOUDA 2	Thermal	1320.00	6.79	6.79	42.69	3.58		15.74		15.28	0.01	31.03
75	NCTP-2	Thermal	980.00	10.56	5.67	92.96	4.66		26.04		43.34	0.57	69.94
76	RIHAND-I	Thermal	1000.00	79.75	75.23	560.31	1.56		9.93		87.15	0.00	97.09
77	RIHAND-II	Thermal	1000.00	104.60	99.69	751.60	1.55		9.16		116.63	0.41	126.20
78	RIHAND-III	Thermal	1000.00	77.40	71.94	559.13	1.53		16.87		85.67	0.59	103.13
79	SINGRAULI HYDRO	Hydro	8.00	0.36	0.19	1.58	5.04		0.00		0.80	0.00	0.80
80	SINGRAULI THERMAL	Thermal	2000.00	19.63	10.54	133.46	1.51		13.81		20.14	4.22	38.16
81	SIPAT-1	Thermal	1980.00	10.27	10.27	69.27	1.35		14.29		9.36	0.02	23.67
82	SIPAT-2	Thermal	1000.00	3.62	3.62	29.90	1.39		10.73		4.17	0.10	14.99
83	SOLAPUR	Thermal	1320.00	6.85	6.85	48.70	4.44		18.88		21.65	0.00	40.53
84	TANDA	Thermal	1320.00	79.76	74.95	548.84	3.79		17.49		208.11	0.02	225.62
85	UNCHAHAR-1	Thermal	420.00	15.56	14.83	114.66	4.75		37.65		54.44	0.00	92.09
86	UNCHAHAR-2	Thermal	420.00	34.93	32.64	235.71	3.65		12.87		85.95	0.03	98.86
87	UNCHAHAR-3	Thermal	210.00	15.43	14.31	116.72	4.65		13.73		54.27	0.01	68.01
88	UNCHAHAR-4	Thermal	500.00	61.08	58.35	458.89	4.35		24.11	199.52	1.21	224.84	458.89
89	VINDHYACHAL-1	Thermal	1260.00	4.93	4.93	35.74	1.59		9.65	5.68	0.12	15.44	35.74

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity	Summer Entitlement	Winter Entitlement	Annual Energy Purchase	Variable Charge rate		Capacity Charges		Energy Charges	Other Charges	Total Charges
			MW	MW	MW	MU	(Apr 24-30 Jun 24) Rs. / kWh	(July 24- Mar 25) Rs./kWh	(Apr 24-30 Jun24) Rs. Crores	(July 24-Mar 25) Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
90	VINDHYACHAL-2	Thermal	1000.00	3.79	3.79	30.69	1.53		8.47	4.70	0.11	13.27	30.69
91	VINDHYACHAL-3	Thermal	1000.00	3.79	3.79	29.65	1.52		8.67	4.50	0.76	13.93	29.65
92	VINDHYACHAL-4	Thermal	1000.00	5.19	5.19	39.07	1.50		17.66	5.85	15.12	38.63	39.07
93	VINDHYACHAL-5	Thermal	11650.04	1978.07	1275.58	19.53	1.55		16.46	3.03	6.07	25.56	19.53
94	**Other CSPP**		**6525.02**	**1042.79**	**681.95**	**3509.36**	**24.70**		**87.81**	**1325.91**	**0.58**	**1414.30**	**3509.36**
95	Additional Power from SR	Thermal	300.00	300.00	0.00	456.00	5.50		0.00	250.80	0.00	250.80	456.00
96	JHAJJAR APCPL	Thermal	1500.00	34.09	18.29	355.45	4.41		18.20	156.69	0.00	174.89	355.45
97	PTC THEP	Hydro	1020.00	18.05	18.05	13.91	2.27		0.00	3.16	0.00	3.16	13.91
98	Shakti Scheme - V	Thermal	393.00	393.00	393.00	1356.98	5.28		0.00	716.49	0.00	716.49	1356.98
99	SJVNL NJ	Hydro	1500.00	149.54	128.90	757.96	1.20		12.20	91.18	0.52	103.90	757.96
100	SJVNL Rampur	Hydro	412.02	40.60	35.38	196.98	1.14		12.69	22.46	0.02	35.17	196.98
101	THDC	Hydro	1000.00	77.60	63.89	275.57	2.12		18.93	58.28	0.02	77.24	275.57
102	THDC KOTESHWAR	Hydro	400.00	29.92	24.43	96.51	2.78		25.79	26.85	0.02	52.67	96.51
103	**SHORT TERM**		**0.00**	**0.00**	**0.00**	**2548.83**	**5.55**		**0.00**	**1414.60**	**0.00**	**1414.60**	**2548.83**
104	Short Term Power (IEX)	Thermal	0.00	0.00	0.00	2548.83	5.55		0.00	1414.60	0.00	1414.60	2548.83
105	**RENEWABLE**		**20.00**	**20.00**	**20.00**	**49.64**	**10.20**		**0.00**	**13.05**	**0.00**	**13.05**	**49.64**
106	NHPC (Solar 20 MW - Aavada)	Solar	20.00	20.00	20.00	49.64	2.63		0.00	13.05	0.00	13.05	49.64
107	NTPC (320 MW)	Solar	0.00	0.00	0.00	0.00	2.57		0.00	0.00	0.00	0.00	0.00
108	SECI (Solar 100 MW - Tranche IX)	Solar	0.00	0.00	0.00	0.00	2.43		0.00	0.00	0.00	0.00	0.00
109	SJVNL (600 MW)	Solar	0.00	0.00	0.00	0.00	2.57		0.00	0.00	0.00	0.00	0.00
110	**TRANSMISSION CHG.**		**0.00**						**1286.30**	**0.00**	**0.00**	**1286.30**	
111	BANKING (UPPTCL)		0.00	0.00	0.00	122.52	0.00		0.00	0.00	0.00	0.00	122.52
112	JKPTCL		0.00	0.00	0.00	0.00	0.00		202.95	0.00	0.00	202.95	0.00
113	PGCIL		0.00	0.00	0.00	0.00	0.50		1081.13	0.00	0.00	1081.13	0.00
114	POSOCO CHARGES		0.00	0.00	0.00	0.00	0.00		2.22	0.00	0.00	2.22	0.00
115	TANDA TRANSMISSION CHG		0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
116	**TRANSMISSION OTHERS**									**350.49**	**0.00**	**0.00**	**350.49**
117	DEVIATION & SETTLEMENT A/C									51.81	0.00	0.00	51.81

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity	Summer Entitlement	Winter Entitlement	Annual Energy Purchase	Variable Charge rate		Capacity Charges		Energy Charges	Other Charges	Total Charges
			MW	MW	MW	MU	(Apr 24-30 Jun 24) Rs. / kWh	(July 24- Mar 25) Rs./kWh	(Apr 24-30 Jun24) Rs. Crores	(July 24-Mar 25) Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
118	NHPC WATER USAGE CHG.									297.70	0.00	0.00	297.70
119	NRPC CHARGES									0.00	0.00	0.00	0.00
120	REACTIVE ENERGY CHG. (CTU)									0.98	0.00	0.00	0.98
121	REACTIVE ENERGY CHG. (PSPCL)									0.00	0.00	0.00	0.00
122	**SUPPLEMENTARY BILLS FROM GENERATORS**									**0.00**	**0.00**	**1200.61**	**1200.61**
123	SUPPLEMENTARY BILLS									0.00	0.00	1200.61	1200.61
124	**JKPCL Trading Margin**											44.67	44.67
125	**Grand Total**									**3067.72**	**5861.10**	**1255.34**	**9924.40**

2.5.14. The Petitioner requests the Hon'ble Commission to approve the power station wise quantum and power purchase cost.

2.5.15. The total power purchase cost from various generating stations at generation periphery and other related expenses (transmission charges, water charges, POSOCO charges, JKPCL trading margin etc.) are apportioned to the various Distribution Licensees by multiplying the average power purchase cost at DISCOM periphery by the energy at distribution periphery for the Distribution Licensees. The table below provides the estimate of apportioned power purchase expenses for the Petitioner.

Table 14: Apportionment of Power Purchase Cost

Particulars	Legend	FY 2024-25 APR
Cost of Total Power Purchase (Rs. Crore)	A	9924.40
Total Energy purchased at DISCOM periphery (MU)	B	20453.88
Average power purchase cost at DISCOM periphery (MU)	C = A/B*10	4.85
Energy at KPDCL periphery (MU)	D	11241.07
Power Purchase Cost for KPDCL (Rs. Crores)	E = C*D	**5454.26**

2.5.16. The Petitioner requests the Hon'ble Commission to approve the above power purchase expenses.

2.6. Operations & Maintenance Expenses

2.6.1. The Petitioner has bifurcated O&M expenses into 3 heads namely:

- O&M expenses of the Petitioner consisting of Employee expenses, A&G Expenses and R&M Expenses (Normal O&M Expenses),
- Expenses towards supplying off-grid consumers of Gurez and Tulail which are mostly towards the fuel (Off-grid material and supply expenses), and
- Provision of O&M expenses towards IT initiatives namely per meter per month expenses payable by the Petitioner to the smart meter vendors and recoverable from the consumers (Provision: IT Initiatives, Smart Meter PMPM expenses).

2.6.2. The Petitioner has considered actual Employee expenses, A&G expenses and R&M expenses incurred in the first half (H1) of FY 2024-25 and has projected the corresponding expenses for the second half (H2) of FY 2024-25 assuming that the same amount of expenses would be incurred in H2. The statement with details of O&M expenses for H1 of FY 2024-25 is attached as **Annexure-1**.

PMPM Charges [Provision of O&M expenses towards IT initiatives]:

2.6.3. The Petitioner has achieved 'Go-live' with the 100% prepaid smart meters under the PMDP Phase 2 scheme from March-April 2024. Similarly, the installation and 'Go-live' of meters installed under RDSS scheme will see some progress in Q4 of FY 2024-25 as tripartite agreement DDF is in place.

2.6.4. It is to be noted that, the prepaid smart meters installed under the PMDP Phase 2 and under the RDSS scheme are implemented under the TOTEX mode. The TOTEX mode relates to the CAPEX+OPEX mode. The Smart metering works under RDSS is to be implemented in TOTEX mode i.e. (CAPEX+OPEX), as per the following provision:

> "*2.3.2 Funding under this Part will be available only if the DISCOM agrees to the operation of smart meters in prepayment mode for consumers, and in accordance with the uniform approach indicated by the Central Government, with implementation in TOTEX mode. Under this mode, a single agency will be contracted for supplying, maintaining and operating the metering infrastructure for the purpose of meter related data and services to the DISCOM. It will make both capital and operational expenditure under DBFOOT (Design Build Fund Own Operate & Transfer) or similar modes and will be paid for a portion of its capital expenditure initially and the remaining payment over the O&M period.*
>
> *……*
>
> *3.3.3 The Action Plan and DPRs for loss reduction and metering shall be scrutinized by the Nodal Agency and approved by the Monitoring Committee with such modifications, as are necessary to achieve the objectives of the Scheme. Monitoring Committee will issue sanctions of loss reduction works contingent to sanctions of metering works being already in place; or, Smart metering works being already implemented by the DISCOMs in line with the SBD for Smart prepaid metering in TOTEX mode; or together, as the case may be.*"

2.6.5. It is important to note that, a portion of the capital expenditure will be paid towards the CAPEX by the Distribution Licensee/ Government (Rs. 198.64 crores). As the amount will be paid as Grant-in-aid by the Government the same will not be recovered from the consumers through the ARR (depreciation, RoE and Interest on long term loans etc.). Thus, only the balance portion of the capital expenditure along with operational expenditure will be recovered under the TOTEX mode.

2.6.6. Under the TOTEX mode the remaining part of the CAPEX and the operational expenses (OPEX) will be paid by the Petitioner to the implementing agencies/ vendors in the form of monthly charges over the 9-year period (108 months) which cumulatively amounts to Rs. 171.26 crores for smart meters under PMDP Lot-A and Lot-B. Whereas for smart meters under Lot-C/ RDSS scheme the Petitioner would pay Rs. 731.68 crores cumulatively over ~ 8 years (93 months).

2.6.7. RECPDCL which is the Project Implementation Agency (PIA) for the smart meters under the RDSS scheme has informed following cumulative target for physical progress of installation of prepaid smart meters under the RDSS scheme.

Table 15: Cumulative target of physical progress of prepaid smart metering works under RDSS

Particulars	March 2025	March 2026
Consumer Smart Meters	5%	37.7%
DT Smart Meters	5%	83%
Feeder Smart Meters	10%	100%

2.6.8. In line with the above estimates, the Petitioner has projected following Provision towards IT Initiatives, Smart Meter PMPM expenses.

Table 16: Details of Smart Metering works under PMDP and RDSS scheme with PMPM charges

Sr. No.	Description	Total Quantity (No's)	Upfront Capex Subsidy (Rs./ meter)	Capex subsidy (Rs. Crore)	Per Meter Per Month Charges (Rs./ meter)	No. of Months	Total Per Meter Per Month charges (Rs. in Cr)
	LOT-A Smart Metering Project under PMDP (Anvil Cables)						
1	1-Phase Consumer Smart Meter	142560	3000	42.77	36	108	55.43
2	3-Phase Consumer Smart Meter	5548	3000	1.66	46	108	2.76
3	3-Phase LT-CT Operated Consumer Smart Meter	1191	3000	0.36	153	108	1.97
4	3-Phase LT-CT Operated DT Smart Meter	4457	2700	1.20	154	108	7.41
5	3-Phase CT-PT Operated Smart Meter	701	3000	0.21	131	108	0.99
-	**LOT-B Smart Metering Project under PMDP (Techno)**						
1	1-Phase Consumer Smart Meter	109000	3000	32.70	68	108	80.05
2	3-Phase Consumer Smart Meter	7500	3000	2.25	85	108	6.89
3	3-Phase LT-CT Operated Consumer Smart Meter	1705	3000	0.51	124	108	2.28
4	3-Phase LT-CT Operated DT Smart Meter	6003	2700	1.62	170	108	11.02
5	3-Phase CT-PT Operated Smart Meter	1128	3000	0.34	202	108	2.46
	LOT-C Phase 1&2 Smart Metering Project under RDSS						
1	1-Phase Consumer Smart Meter	664292	1350	89.68	96.94	93	598.89
2	3-Phase Consumer Smart Meter	18513	1350	2.50	132.04	93	22.73
3	3-Phase LT-CT Operated Consumer Smart Meter	2894	1350	0.39	235.52	93	6.34
4	3-Phase LT-CT Operated DT Smart Meter	40670	5175	21.05	255.7	93	96.71
5	3-Phase CT-PT Operated Smart Feeder Meter	1485	9450	1.40	507.48	93	7.01
	Grand Total	**1007647**		**198.64**			**902.94**

Table 17: Details of prepaid smart meters achieving 'Go-live' in FY 2024-25

Sr. No.	Description	Projected cumulative No. of smart meters installed in FY 2024-25											
		April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March
	LOT-A Smart Metering Project under PMDP (Anvil Cables)												
1	1-Phase Consumer Smart Meter	142,560	142,560	142,560	142,560	142,560	142,560	142,560	142,560	142,560	142,560	142,560	142,560
2	3-Phase Consumer Smart Meter	5,548	5,548	5,548	5,548	5,548	5,548	5,548	5,548	5,548	5,548	5,548	5,548
3	3-Phase LT-CT Operated Consumer Smart Meter	1,191	1,191	1,191	1,191	1,191	1,191	1,191	1,191	1,191	1,191	1,191	1,191
4	3-Phase LT-CT Operated DT Smart Meter	4,457	4,457	4,457	4,457	4,457	4,457	4,457	4,457	4,457	4,457	4,457	4,457
5	3-Phase CT-PT Operated Smart Meter	701	701	701	701	701	701	701	701	701	701	701	701
	LOT-B Smart Metering Project under PMDP (Techno)												
1	1-Phase Consumer Smart Meter	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000
2	3-Phase Consumer Smart Meter	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500
3	3-Phase LT-CT Operated Consumer Smart Meter	1,705	1,705	1,705	1,705	1,705	1,705	1,705	1,705	1,705	1,705	1,705	1,705
4	3-Phase LT-CT Operated DT Smart Meter	6,003	6,003	6,003	6,003	6,003	6,003	6,003	6,003	6,003	6,003	6,003	6,003
5	3-Phase CT-PT Operated Smart Meter	1,128	1,128	1,128	1,128	1,128	1,128	1,128	1,128	1,128	1,128	1,128	1,128
	LOT-C Phase 1&2 Smart Metering Project under RDSS												
1	1-Phase Consumer Smart Meter	-	-	-	-	-	-	-	-	-	11,072	22,144	33,215
2	3-Phase Consumer Smart Meter	-	-	-	-	-	-	-	-	-	309	618	926
3	3-Phase LT-CT Operated Consumer Smart Meter	-	-	-	-	-	-	-	-	-	48	96	145
4	3-Phase LT-CT Operated DT Smart	-	-	-	-	-	-	-	-	-	678	1,356	2,034

Sr. No.	Description	Projected cumulative No. of smart meters installed in FY 2024-25											
		April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March
	Meter												
5	3-Phase CT-PT Operated Smart Feeder Meter	15	27	39	51	63	75	87	99	111	123	135	149
	Grand Total	**279,808**	**279,820**	**279,832**	**279,844**	**279,856**	**279,868**	**279,880**	**279,892**	**279,904**	**292,023**	**304,142**	**316,262**

Table 18: Estimated Provision: IT Initiatives, Smart Meter PMPM expenses for FY 2024-25 (Rs. crores)

Sr. No.	LOT-A Smart Metering Project under PMDP (Anvil Cables)	Per Meter Per Month Charges (Rs./ meter)	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	Total (FY 2024-25)
1	1-Phase Consumer Smart Meter	36	1	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	
2	3-Phase Consumer Smart Meter	46	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
3	3-Phase LT-CT Operated Consumer Smart Meter	153	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
4	3-Phase LT-CT Operated DT Smart Meter	154	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
5	3-Phase CT-PT Operated Smart Meter	131	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
	Sub Total (LOT-A Smart Meters under PMDP)		**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**7.62**
	LOT-B Smart Metering Project under PMDP (Techno)														
1	1-Phase Consumer Smart Meter	68	1	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	
2	3-Phase Consumer Smart Meter	85	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
3	3-Phase LT-CT Operated Consumer Smart Meter	124	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
4	3-Phase LT-CT Operated DT Smart Meter	170	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
5	3-Phase CT-PT Operated Smart Meter	202	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	

Sr. No.	LOT-A Smart Metering Project under PMDP (Anvil Cables)	Per Meter Per Month Charges (Rs./ meter)	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	Total (FY 2024-25)
	Sub Total (LOT-B Smart Meters under PMDP)		**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**11.41**
	LOT-C Phase 1&2 Smart Metering Project under RDSS														
1	1-Phase Consumer Smart Meter	96.94	-	-	-	-	-	-	-	-	-	0.11	0.21	0.32	
2	3-Phase Consumer Smart Meter	132.04	-	-	-	-	-	-	-	-	-	0.00	0.01	0.01	
3	3-Phase LT-CT Operated Consumer Smart Meter	235.52	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	
4	3-Phase LT-CT Operated DT Smart Meter	255.7	-	-	-	-	-	-	-	-	-	0.02	0.03	0.05	
5	3-Phase CT-PT Operated Smart Feeder Meter	507.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	
	Sub Total (LOT-C Smart Meters under RDSS)		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**	**0.01**	**0.14**	**0.27**	**0.40**	**0.83**
	Grand Total (Smart meters under LOT A + LOT B + LOT C)		**1.59**	**1.59**	**1.59**	**1.59**	**1.59**	**1.59**	**1.59**	**1.59**	**1.59**	**1.72**	**1.85**	**1.98**	**19.86**

2.6.9. Prepaid Smart metering of all its consumers is an initiative undertaken by the Petitioner to reduce the overall AT&C losses and to achieve the AT&C loss trajectory as approved under the RDSS scheme and by the Hon'ble Commission. In this context, the Petitioner requests the Hon'ble Commission to approve the Provision towards IT Initiatives - Smart Meter PMPM expenses.

Off-Grid Material and Supply Expenses:

2.6.10. The Petitioner supplies electricity to its consumers in far flung areas of Gurez and Tulail which are not connected to its distribution network. As the Petitioner has universal service obligation as a Distribution Licensee, Petitioner supplies electricity to these far-flung areas by means of generating electricity using D.G. sets set up locally and ensures supply for its consumers on everyday morning and evening regularly. For this purpose the Petitioner has set up 22 D.G. sets running on High Speed Diesel (HSD). KPDCL sources HSD directly from the Indian Oil Corporation. The Petitioner has already expended around Rs. 8 crores towards procurement of HSD and has procured HSD for the winter season in H2. Further, the Petitioner has projected additional Rs. 5.08 crores for running off-grid stations in H2 and has sent the proposal to the UT Administration for approval and release of funds. Thus, an amount of Rs. 13.08 crores is projected to be incurred towards running of off-grid stations during FY 2024-25.

2.6.11. Based on the above submission, the Petitioner has arrived at following revised estimate of O&M expenses for FY 2024-25.

Table 19: O&M expenses forecasted for FY 2024-25 (Rs. in Crores)

Particulars	APR (FY 2024-25)				
	(H1) Actual	(H2) Projected	Actual + Projected	Approved by Commission	Deviation
Employee Expenses	307.51	307.51	615.03	516.75	**(98.28)**
A&G Expenses	1.48	1.48	2.97	44.51	**41.54**
Off-Grid Material & Supply	8.00	5.08	13.08		**(13.08)**
IT Expenses [Smart Meters]		10.33	19.86		**(19.86)**
R&M Expenses	2.54	2.54	5.09	29.99	**24.90**
Total Operation & Maintenance Expenses (net of capitalisation)	**319.54**	**326.95**	**656.02**	**591.25**	**(64.77)**

2.6.12. The Petitioner requests the Hon'ble Commission to approve the above projected O&M expenses for FY 2024-25.

2.7. Depreciation

2.7.1. It is submitted that the Petitioner is undertaking the capital expenditure in FY 2024-25 by means of funding received from the Government/ UT Administration in the form of grants/ grant-in-aid. Thus, the Petitioner does not intend to finance any capital works through any capital loan and/ or infused equity to create assets in FY 2024-25.

2.7.2. As specified in regulation 25.4 (c) and additional proviso of regulation 30.1 of the JERC MYT Regulations 2023, depreciation on assets created from grant is not allowed. Relevant excerpts are reproduced here as follows:

Regulation 25.4 (c)

"c) Depreciation to the extent of works performed through consumer contribution, deposit work, capital subsidy, or grant shall not be allowed as specified in Regulation 30;"

Regulation 30.1

"30.1 The value base for the purpose of depreciation shall be the capital cost of the asset admitted by the Commission:

Provided that the depreciation shall be allowed after reducing the approved original cost of the retired or replaced or decapitalized assets:

Provided also that the no depreciation shall be allowed on the assets financed through consumer contribution, deposit work, capital subsidy or grant."

2.7.3. In line with the above said provisions, the Petitioner has claimed nil depreciation (Depreciation as per regulatory accounts) on assets during FY 2024-25.

2.7.4. The Hon'ble Commission is requested to approve nil depreciation during FY 2024-25.

2.8. Interest on long term loans

2.8.1. As discussed in the above section, Petitioner does not intend to finance any capital works through any capital loan and/ or infused equity to create assets in FY 2024-25.

2.8.2. As specified in regulation 25.4 (e) and regulation 28.7 of the JERC MYT Regulations 2023, interest on loan capital on financial support corresponding to grant. Relevant excerpts are reproduced here as follows:

*"**Regulation 25.4 (e)***

"e) provisions related to interest on loan capital, as specified in Regulation 28, shall not be applicable to the extent of financial support provided through consumer contribution, deposit work, capital subsidy or grant."

Regulation 28.7

"The above interest computation shall exclude the interest on loan amount, normative or otherwise, to the extent of capital cost funded by consumer contribution, deposit work, capital subsidy or grant, carried out by Transmission Licensee or Distribution Licensee."

2.8.3. In line with the above said provisions, the Petitioner has claimed nil interest on long term loans on assets during FY 2024-25.

2.8.4. The Hon'ble Commission is requested to approve nil interest on long term loans during FY 2024-25.

2.9. Return on Equity

2.9.1. As discussed in the section 3.7, Petitioner does not intend to finance any capital works through any capital loan and/ or infused equity to create assets in FY 2024-25.

2.9.2. As specified in regulation 25.4 (d) of the JERC MYT Regulations 2018, return on equity is not applicable on financial support corresponding to grant. Relevant excerpts are reproduced here as follows:

"d) provisions related to return on equity, as specified in Regulation 27, shall not be applicable to the extent of financial support provided through consumer contribution, deposit work, capital subsidy or grant;"

2.9.3. In line with the above said provisions, the Petitioner has claimed nil return on regulatory equity on assets during FY 2024-25.

2.9.4. The Hon'ble Commission is requested to approve nil return on regulatory equity during FY 2024-25.

2.10. Interest on working capital

2.10.1. As specified in proviso of regulation 51.1 of the JERC MYT Regulations 2023, interest on working capital is to be allowed as per provisions of chapter 3, i.e. Financial Principles of the aforesaid regulations. Relevant excerpt is reproduced here as follows:

Proviso of Regulation 51.1

"Provided that Return on Equity, Interest on Loan Capital, Depreciation, Interest on Working Capital, Interest on deposits from Consumers and distribution system users, and Income Tax for Distribution Wires Business shall be allowed in accordance with the provisions specified in Chapter 3 of these Regulations:"

2.10.2. Accordingly, as per regulation 31.4 read with regulation 31.5 of the JERC MYT Regulations 2023, interest on working capital loan is allowable on normative basis at interest rate of SBI MCLR rate (1-year) as on 01.04.2023 plus 200 basis points, relevant excerpt is reproduced here as follows:

"31.4 The interest on working capital shall be a payable on normative basis notwithstanding that the Licensee has not taken working capital loan from any outside agency or has exceeded the working capital loan based on the normative figures.

31.5 The rate of interest on working capital shall be equal one (1) Year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI for the time being in effect applicable for one (1)Year period, as may be applicable as on 1st April of the Financial Year in which the Petition is filed plus 200 basis points."

2.10.3. It is submitted that; the Petitioner does not intend to avail any actual loan for funding its working capital needs. However, as per the Regulations it is entitled to interest on working capital loan on normative basis.

2.10.4. As per regulation 31.3 of the JERC MYT Regulations 2023, norms of working capital for distribution wire business and retail supply business are as per chapter 6 and chapter 7 of these regulations. Relevant excerpt is reproduced here as follows:

"The norms for working capital for Distribution Wires Business and Retail Supply Business shall be as specified in Chapter 6 and Chapter 7 of these Regulations."

2.10.5. Accordingly, as specified in regulation 53.1 of the JERC MYT Regulations 2023, normative working capital for distribution wire business consists of O&M expenses equivalent of 1 month, maintenance spares @ 40% R&M expenses for 1-month, receivable equivalent 2 months of the expected revenue from charges for use of distribution wires at the prevailing tariff less amount if held as security deposit. Further, proviso of the said regulation provides that working capital requirement is to be re-calculated on the basis of values of components of working capital approved in truing up. Relevant excerpt is reproduced here as follows:

"52.1 The Distribution Licensee shall be allowed interest on the estimated level of working capital for the Distribution Wires Business for the Financial Year, computed as follows:

(a) O&M Expenses for one (1) month; plus

(b) Maintenance spares at 40% of repair and maintenance expenses for one (1) month; pl©(c) Receivables equivalent to two (2) months of the expected revenue from charges for use of distribution wires at the prevailing tariff;

Less

(d) Amount, if any, held as security deposits under clause (b) of sub-section (1) of Section 47 of the Act from distribution system users except the security deposits held in the form of Bank Guarantees:

Provided that at the time of truing up for any Year, the working capital requirement shall be re-calculated on the basis of the values of components of working capital approved by the Commission in the truing up."

2.10.6. Regulation 66.1 of the JERC MYT Regulations 2023 specifies that, the working capital for Retail Supply Business shall be determined in accordance with Regulation 58 of the Regulations. However, Regulation 58 do not provide the norms for calculation of the normative working capital for the Retail Supply Business. In absence of the norms, the Petitioner has relied on the adopted JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018 for calculation of the normative working capital requirement of the retail supply business.

2.10.7. Since JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018 has similar provisions for deriving working capital for distribution wires business and retail supply business, working capital and interest on working capital is calculated for the Petitioner as a whole business. As regard the rate of interest, State Bank of India (SBI) MCLR rate applicable as on 01.04.2024 is 8.65% which is added with 200 basis points to arrive at applicable rate of interest of 10.65%.

2.10.8. Detailed calculations for normative interest on working capital are tabulated as follows:

Table 20: Normative Working Capital for FY 2024-25 (amount in Rs. crores)

Particulars	FY 2024-25		
	APR	Approved by Commission	Deviation
Computation of Working Capital			
O&M expenses	54.67	49.27	
Maintenance Spares	0.17	1.00	
Receivables	1048.08	300.13	
Working Capital requirement	**1,102.92**	**350.40**	**(752.52)**
Less:			
Amount held as security deposit from Distribution System Users			
Total Working Capital	**1,102.92**	**350.40**	**(752.52)**
Computation of working capital interest			
Interest Rate (%)	10.65%	10.50%	
Interest on Working Capital	**117.46**	**36.50**	**(80.96)**

2.10.9. Accordingly, the Petitioner requests the Hon'ble Commission to approve the above projection of normative interest on working capital for FY 2024-25.

2.11. Contribution to contingency reserves

2.11.1. It is submitted that the Petitioner has not planned any contribution towards contingency reserves for FY 2024-25.

2.12. Provision for bad and doubtful debts

2.12.1. In accordance with Regulation 65.1 of the JERC MYT Regulations 2023; the Petitioner claims 1% of the Annual Revenue Requirement towards provision for bad and doubtful debts. The Petitioner shall claim actual provision made towards bad and doubtful debts at the time of True up for the respective years.

2.13. Income Tax

2.13.1. The Petitioner submits that, it is claiming 'nil' income tax. However, the Petitioner reserves its right to approach the Hon'ble Commission to claim any future payment towards Income tax under Regulation 32 of the JERC MYT Regulations 2023.

2.14. Non-tariff income

2.14.1. The Petitioner had considered non-tariff income of Rs. 2.15 crore, in its Business Plan and MYT Petition. The Petitioner continues with the above said projection of the non-tariff income for FY 2024-25. The Petitioner would submit the actual value of non-tariff income (if any) at the time of True up of ARR of FY 2024-25.

2.15. ARR Projections

2.15.1. In line with the above, summary of revised ARR for FY 2024-25 as per the JERC MYT Regulations 2023 is tabulated as follows:

Table 21: Revised ARR projection of FY 2024-25 (All figures in Rs. Crores)

Sr. No.	Particulars	FY 2024-25 APR (projection)	Approved by Commission	Deviation
1	Power Purchase Expenses	5,454.26	2,501.83	(2,952.43)
2	Operation & Maintenance Expenses	713.76	591.24	(122.52)
3	Depreciation	-	-	-
4	Interest & Finance Charges	-	-	-
5	Interest on Working Capital	119.01	36.79	(82.22)
6	Bad Debts written off	63.51	18.01	(45.50)
7	Contribution to contingency reserves		-	-

Sr. No.	Particulars	FY 2024-25 APR (projection)	Approved by Commission	Deviation
8	**Total Revenue Expenditure**	**6,350.54**	**3,147.87**	**(3,202.67)**
9	Return on Equity Capital		**-**	-
10	Income Tax	-	-	-
11	**Aggregate Revenue Requirement**	**6,350.54**	**3,147.87**	**(3,202.67)**
12	Less: Non-Tariff Income	2.15	2.88	0.73
13	Less: Income from Other Business	-	-	-
14	**Aggregate Revenue Requirement of Distribution Business**	**6,348.40**	**3,144.99**	**(3,203.41)**

2.15.2. The Petitioner requests the Hon'ble Commission to approve the above revised projections of ARR for FY 2024-25.

2.16. Estimate of Revenue at Existing Tariff

2.16.1. Based on the forecast of consumer category-wise no. of consumers, connected load and sales the Petitioner has worked out estimate of revenue at existing tariff for FY 2024-25. The revenue estimate at existing tariff (i.e. tariff notified and effective vide Order No. JERC/13 of 2023 dated 24 November 2023 from 1st December 2023) at 100% collection efficiency is as follows:

Table 22: Estimated revenue at existing tariff at 100% collection efficiency (Rs. in crores)

Consumer category	Amount (Rs. crores)
Domestic	1475.51
Non-Domestic/Commercial	272.78
State/Central Govt department	348.28
Agriculture	25.41
Public Street Lighting	13.41
LT Public Water Works	33.03
HT Public Water Works	64.24
LT Industrial Supply	50.32
HT Industrial Supply	162.99
HT PIU	0.91
Bulk Supply	48.10
Electric Vehicle (EV) Charging Station	5.75
Traction	4.80
Total	**2505.54**

2.16.2. However, it is important to note that 100% collection efficiency is an ideal condition. In reality, the collection efficiency is lower than 100%. The Petitioner has projected that it will be able to achieve collection efficiency of 93% in FY 2024-25. Accordingly, the Petitioner

has projected realistic revenue at 93% collection efficiency for FY 2024-25. The same is as follows:

Table 23: Estimated revenue at existing tariff at 93% collection efficiency (Rs. in crores)

Consumer category	Amount (Rs. crores)
Domestic	1327.96
Non-Domestic/Commercial	245.50
State/Central Govt department	313.45
Agriculture	22.87
Public Street Lighting	12.07
LT Public Water Works	29.73
HT Public Water Works	57.82
LT Industrial Supply	45.29
HT Industrial Supply	146.69
HT PIU	0.82
Bulk Supply	43.29
Electric Vehicle (EV) Charging Station	5.18
Traction	4.32
Total	**2254.99**

2.16.3. The Petitioner requests the Hon'ble Commission to approve the above estimate of revenue at existing tariff at 100% collection efficiency and realistic estimate of revenue at existing tariff at 93% collection efficiency.

2.17. Estimate of Revenue Gap/ (Surplus) for FY 2024-25

2.17.1. Based on the estimate of ARR for FY 2024-25 and estimate of revenue at existing tariff at 93% collection efficiency at Section 2.16 the estimate of revenue gap/ (surplus) is as follows:

Table 24: Estimate of Revenue Gap/ (Surplus) (in Rs. crores)

Particulars	Amount
Revised Projected ARR	6,348.40
Estimated Revenue at Existing Tariff @ realistic collection efficiency	2254.99
Revenue Gap/ (Surplus)	**4,093.41**

2.17.2. The Petitioner requests the Hon'ble Commission to approve the above revenue gap.

3. Chapter 3: Revised ARR Projections of FY 2025-26

3.1. Introduction

3.1.1. Regulation 11.1 of the JERC MYT Regulations 2023 prescribes filing of Tariff for ensuing year. The relevant extract of the Regulation is as follows:

"*11.1 The Generating Company, Transmission Licensee and Distribution Licensee shall file an application for the annual performance review of the current year, truing up of the previous Year or the Year for which the audited accounts are available and determination of tariff for each of the ensuing Years on or before 30th November of each year, in formats specified by the Commission from time to time:*

……."

3.1.2. Regulation 11.2 of the JERC MYT Regulations 2023 specifies the scope of the tariff determination Petition. The relevant extract of the Regulation is as follows:

"*11.2 The scope of the annual performance review, truing up, and tariff determination shall be a comparison of the performance of the Generating Company, Transmission Licensee, or Distribution Licensee with the approved forecast of Aggregate Revenue Requirement and Expected Revenue from Tariff and Charges and shall comprise of the following:*

a) True-up: a comparison of the audited performance of the Applicant for the Financial Year for which the true-up is being carried out with the approved forecast for such previous Financial Year, subject to the prudence check;

b) Annual Performance Review: a comparison of the revised performance targets of the Applicant for the current Financial Year with the approved forecast in the Tariff Order corresponding to the Control Period for the current Financial Year subject to prudence check;

c) Tariff determination for the ensuing Year of the Control Period based on the revised forecast of the Aggregate Revenue Requirement for the Year;

d) Review of compliance with directives issued by the Commission from time to time;

e) Other relevant details, if any" {Emphasis added}

3.1.3. In line with the above provisions the Petitioner has filed the current Petition.

3.2. Capital Expenditure and Capitalization

3.2.1. The Petitioner has submitted details of the Proposed Capital Expenditure and Capitalization for FY 2025-26 to the Government for approval. Once approved by the Government

Authorities the Petitioner shall submit the Capital Expenditure plan for FY 2025-26 to the Hon'ble Commission in due course of time.

3.3. Revised forecast of No. of consumers, connected load and energy sales.

Revised Forecast of no. of consumers:

3.3.1. In order to forecast the no. of consumers, the Petitioner has relied on the past trend of the growth in consumer numbers. The revised projection of no. of consumers for FY 2024-25 is considered as base. The Petitioner has considered 6-year CAGR of the consumer category-wise observed growth trend. In cases, where the CAGR observed was negative, the Petitioner has considered nil growth for the no. of consumers. The table below provides the CAGR considered by the Petitioner for projection of No. of consumers in the remaining period of the control period.

Table 25: Consumer category wise CAGR considered for projection of no. of consumers

Sr. No.	Consumer Category	Metered/ Unmetered	6 Yr. CAGR	CAGR Considered
1	**Domestic**			
2	Below Poverty Line (Consumption up to 30 units/ month)	Metered	-2%	0%
3	Up to 200 units per month	Metered	2%	2%
4	201-400 units per month	Metered	19%	19%
5	> 400 units per month	Metered	27%	27%
6	Up to 1/4 kW	Unmetered	-34%	0%
7	Above 1/4 kW up to 1/2 kW	Unmetered	-30%	0%
8	Above 1/2 kW up to 3/4 kW	Unmetered	-15%	0%
9	Above 3/4 kW up to 1 kW	Unmetered	24%	24%
10	Above 1 kW up to 2 kW	Unmetered	85%	85%
11	Above 2 kW	Unmetered	26%	26%
12	**Non-Domestic/Commercial**			
13	Single Phase Up to 200 units per month	Metered	8%	8%
14	Single Phase 201-500 units per month	Metered	28%	28%
15	Single phase > 500 units per month	Metered	4%	4%
16	Three Phase for all units	Metered	6%	6%
17	Up to 1/4 kW	Unmetered	-4%	0%
18	Above 1/4 kW up to 1/2 kW	Unmetered	5%	5%
19	Above 1/2 kW up to 3/4 kW	Unmetered	7%	7%
20	Above 3/4 kW up to 1 kW	Unmetered	2%	2%
21	Above 1 kW	Unmetered	1%	1%
22	**State/Central Govt department**			
23	LT Supply	Metered	16%	16%
24	11 kV Supply	Metered	12%	12%

Sr. No.	Consumer Category	Metered/ Unmetered	6 Yr. CAGR	CAGR Considered
25	33 kV Supply and above	Metered	3%	3%
26	**Agriculture**			
27	0-10 HP	Metered	23%	23%
28	11-20 HP	Metered	11%	11%
29	Above 20 HP	Metered	2%	2%
30	0-10 HP	Unmetered	16%	16%
31	11-20 HP	Unmetered	-3%	0%
32	Above 20 HP	Unmetered	14%	14%
33	**Public Street Lighting**			
34	Public Street Lighting - Metered	Metered	31%	31%
35	Public Street Lighting - Unmetered	Unmetered	-6%	0%
36	**LT Public Water Works**			
37	LT Public water works	Metered	-3%	0%
38	**HT Public Water Works**			
39	11 kV Supply	Metered	1%	1%
40	33 kV Supply	Metered	18%	18%
41	**LT Industrial Supply**			
42	LTIS-I For consumers with connected load < 50 kW	Metered	-1%	0%
43	LTIS-II For consumers with connected load > 50 kW	Metered	10%	10%
44	LTIS-II For all metered consumers and having load up to 15 HP	Metered	0%	0%
45	**HT Industrial Supply**			
46	11 kV Supply	Metered	9%	9%
47	33 kV Supply and above	Metered	0%	0%
48	**HT PIU**			
49	11 kV Supply	Metered	-11%	0%
50	33 kV Supply and above	Metered	0%	0%
51	**Bulk Supply**			
52	11 kV Supply	Metered	11%	11%
53	33 kV Supply and above	Metered	12%	12%

3.3.2. For the categories of EV Charging Stations and Traction, the Petitioner anticipates no increase in the number of consumers and has maintained the consumer count constant for the FY 2025-26 as compared to the FY 2024-25.

3.3.3. The Petitioner has considered, the impact of initiatives such as prepaid smart metering of unmetered consumers. Based on the above assumptions, the revised forecast of consumer category-wise no. of consumers is as follows:

Table 26: Revised forecast of consumer category wise no. of consumers in FY 2025-26

Consumer Category	No. of consumers
Domestic - Metered	734283

Consumer Category	No. of consumers
Domestic - Unmetered	792939
Non-Domestic/Commercial - Metered	183566
Non-Domestic/Commercial - Unmetered	8802
State/Central Govt department	7016
Agriculture - Metered	2162
Agriculture - Unmetered	0
Public Street Lighting - Metered	325
Public Street Lighting - Unmetered	0
LT Public Water Works	403
HT Public Water Works	325
LT Industrial Supply	10390
HT Industrial Supply	331
HT PIU	3
Bulk Supply	161
Electric Vehicle (EV) Charging Station	1
Traction	4
Total	**1740711**

Projection of Connected load/ sanctioned load

3.3.4. For projecting the connected load/ sanctioned load the Petitioner has considered the connected load/ sanctioned load as of FY 2024-25 as the base. In order to project the load in the future based on the no. of consumers in that subcategory/ slab (to account for the metering of unmetered consumers) the Petitioner has arrived at the connected load (in MW) using the consumer category and slab wise sanctioned load (in kW) per consumer metric for FY 2024-25 (H1). This metric is used to arrive at the corresponding load in proportion to the no. of consumers in that slab/ consumer category for FY 2025-26. Based on the above method the revised forecast for the connected load/ sanctioned load for FY 2025-26 is as follows:

Table 27: Revised forecast of consumer category wise connected load/ sanctioned load (in MW) for FY 2025-26

Consumer Category	Sanctioned load in MW
Domestic – Metered	2116.05
Domestic - Unmetered	1045.92
Non-Domestic/Commercial - Metered	470.63
Non-Domestic/Commercial – Unmetered	13.20
State/Central Govt department	1040.36
Agriculture - Metered	80.66
Agriculture - Unmetered	0.00
Public Street Lighting - Metered	11.28
Public Street Lighting - Unmetered	0.00

Consumer Category	Sanctioned load in MW
LT Public Water Works	17.97
HT Public Water Works	33.38
LT Industrial Supply	191.27
HT Industrial Supply	148.06
HT PIU	0.07
Bulk Supply	60.07
Electric Vehicle (EV) Charging Station	2.03
Traction	10.06
Total	**5241.00**

Revised projection of Sales

3.3.5. For projection of Sales for FY 2025-26, Petitioner used FY 2024-25 projection as the base and past trend of growth in sales for each category. The Petitioner has used the 7-year CAGR (FY 2016-17 to FY 2023-24) to project growth for FY 2025-26 and in cases where CAGR was negative Petitioner has used nil growth rate in sales as a conservative estimate. For categories where 7 Year CAGR was observed >20%, the Petitioner has used 50% of 7 Year CAGR to project sales growth for FY 2025-26. For Categories where 7 Year CAGR was >0% and <20%, the Petitioner has used 7 Year CAGR as sales growth for FY 2025-26. The consumer category-wise CAGR considered by the Petitioner is as follows:

Table 28: Consumer category-wise CAGR considered for sales forecast

Sl. No.	Consumer Category & Consumption Slab	7 Year CAGR	CAGR considered
1.	METERED DOM BPL UPTO 30 UNITS	4%	4%
2.	METERED DOM UPTO 200 UNITS	3%	3%
3.	METERED DOM 201-400 UNITS	15%	15%
4.	METERED DOM ABOVE 400 UNITS	33%	20%
5.	DOM UPTO 1/4 KW	-8%	0%
6.	DOM BETWEEN 1/4 TO 1/2 KW	-12%	0%
7.	DOM BETWEEN 1/2 TO 3/4 KW	8%	8%
8.	DOM BETWEEN 3/4 TO 1 KW	37%	20%
9.	DOM BETWEEN 1KW TO 2 KW	49%	20%
10.	DOM ABOVE 2 KW	10%	10%
11.	METERED NDC SINGLE PHASE UPTO 200 UNITS	18%	18%
12.	METERED NDC SINGLE PHASE 201-500 UNITS	43%	20%
13.	METERED NDC SINGLE PHASE ABOVE 500 UNITS	16%	16%
14.	METERED THREE PHASE ALL UNITS	15%	15%
15.	NDC UPTO 1/4 KW	10%	10%
16.	NDC BETWEEN 1/4 TO 1/2 KW	6%	6%
17.	NDC BETWEEN 1/2 TO 1/4 KW	5%	5%

Sl. No.	Consumer Category & Consumption Slab	7 Year CAGR	CAGR considered
18.	NDC BETWEEN 1/4 TO 1 KW	6%	6%
19.	NDC ABOVE 1KW	-1%	0%
20.	SCGD 11KV	1%	1%
21.	SCGD 33KV	-10%	0%
22.	SCGD LT	51%	20%
23.	AGRICULTURE METERED UPTO 10HP	20%	20%
24.	AGRICULTURE METERED 11HP TO 20 HP	-6%	0%
25.	AGRICULTURE METERED ABOVE 20 HP	-26%	0%
26.	AGRICULTURE UNMETERED UPTO 10HP	-6%	0%
27.	AGRICULTURE UNMETERED 11HP TO 20 HP	-17%	0%
28.	AGRICULTURE UNMETERED ABOVE 20 HP	-1%	0%
29.	PSL METERED	81%	20%
30.	PSL UNMETERED	9%	9%
31.	LTPWW METERED	8%	8%
32.	LTPWW UNMETERED	-14%	0%
33.	HTPWW 33KV	24%	20%
34.	HTPWW 11KV	-35%	0%
35.	LTI UPTO 50KW	6%	6%
36.	LTI ABOVE 50KW	24%	20%
37.	HTI 33KV	-6%	0%
38.	HTI 11KV	42%	20%
39.	PIL 11KV	-57%	0%
40.	PIL 33KV	0%	0%
41.	GPBS 33KV	18%	18%
42.	GPBS 11KV	13%	13%

3.3.6. The Petitioner has estimated nominal growth in the energy sales for Traction category based on their past experience with the category for FY 2025-26.

3.3.7. Based on the above assumptions and method the forecast for the consumer category wise sales is as follows:

Table 29: Revised forecast of sales (in MU) for FY 2025-26

Consumer Category	FY 2025-26
Domestic	4619.18
Non-Domestic/Commercial	701.68
State/Central Govt department	484.74
Agriculture	81.56
Public Street Lighting	26.41
LT Public water works	40.75
HT Public water works	86.57
LT Industrial supply	127.15

Consumer Category	FY 2025-26
HT Industrial supply	446.33
HT-PIU Industrial Supply	1.83
General Purpose Bulk	92.75
EV Charging Station	10.00
Traction	8.00
Total	**6726.95**

3.3.8. The Petitioner requests the Hon'ble Commission to approve the above forecast of No. of consumers, connected load/ sanctioned load and sales of FY 2025-26.

3.4. Energy Balance

3.4.1. The energy balance is used to arrive at the power procurement plan i.e. the quantum of power purchase required from various sources based on the sales estimate of various distribution utilities, grossed up by the distribution loss trajectory.

3.4.2. In line with para 2.4.2 the Petitioner has considered following transmission losses for FY 2025-26.

Table 30: InSTS and ISTS losses considered for energy balance

Particulars	Estimate of losses for FY 2025-26
JKPTCL/ InSTS losses	3.00%
ISTS losses	3.54%

3.4.3. The Petitioner has estimated that, as the various loss reduction measures will pick pace in FY 2025-26 the Petitioner will be able to reduce distribution losses by around ~ 1-2%.

3.4.4. Based on the sales projections, the proposed reduction in the distribution losses, the level of transmission losses and energy procurement planned by JKPCL at the UT levels, the projected energy balance for FY 2025-26 is as follows:

Table 31: Projected Energy Balance for FY 2025-26 *(All values in MU)*

Distribution Licensee	Sales in MU	Distribution Loss level (%)*	Energy at DISCOM Periphery	Energy available from internal generation sources located in Ladakh*	Energy required at DISCOM level
JPDCL	6475.59	31.84%	9500.74		9500.74
KPDCL	6726.95	46.41%	12551.79		12551.79
LPDD**	305.62	18.92%	376.96	15.58	361.38
Total	**13508.17**		**22429.50**		**22413.92**

**Sales and Distribution losses as approved by the Hon'ble Commission in Order No. JERC/ 12 of 2023 dated 10 October 2023

Energy required at	Intra-state Transmissi	Energy required at	Supply by JKPDCL and	Supply by CGS and other	Inter-state Transmissi	Supply by CGS and other

Distribution Licensee	Sales in MU	Distribution Loss level (%)*	Energy at DISCOM Periphery	Energy available from internal generation sources located in Ladakh*	Energy required at DISCOM level	
DISCOM level	on loss	UT level from JKPCL	others within UT at UT level at Generation Periphery	external sources at UT level	on loss	external sources at Generation Periphery
22413.92	3.07%	23123.82	4282.86	18840.96	3.54%	19532.77

3.4.5. Following table provides the summary of the total quantum of energy purchase required at DISCOM periphery and projected power purchase quantum for FY 2025-26:

Table 32: Projected Power purchase quantum at DISCOM periphery (JPDCL, KPDCL and LPDD) & at Generation periphery for FY 2025-26

Particulars	Legend	FY 2025-26 (ARR Projection)
Total quantum of energy purchase required at JKPCL <> DISCOM periphery (MU)	A	22429.50
Supply by JKPDCL and others within UT at UT level at Generation Periphery (MU)	B	4282.86
Supply by CGS and other external sources at Generation Periphery (MU)	C	19532.77
Total quantum of energy purchase at Generation Periphery (MU)	**D = C+B**	**23815.63**

3.5. Power Purchase Expenses

3.5.1. The Petitioner has arrived at the revised estimate of power purchase expenses for FY 2025-26 based on the estimation of the total quantum of energy purchase required at the generation periphery and actual power purchase rates for the months April 2024 – September 2024 as submitted by JKPCL.

3.5.2. **Power Purchase from NTPC, NHPC, NPCIL and Other CSPPs**: The Petitioner has projected power station wise quantum of energy procured as estimated by JKPCL while, the capacity charge, other charges, and variable charge rate are considered as per actuals for the months April 2024 – September 2024 as submitted by JKPCL.

3.5.3. **Power Purchase from JKPDCL's hydropower stations**: The Hon'ble Commission approved the tariff for JKPDCL's hydropower stations vide its Order No. JERC/ 07 of 2024 dated 28th October 2024. The Petitioner has considered the monthly quantum of energy procured for FY 2025-26 as submitted by JKPCL. As for the capacity charges and variable

charge rate the Petitioner has considered capacity charges and variable charge rate based on Hon'ble Commission's Order dated 28th October 2024.

3.5.4. **Power Purchase from Renewable (Solar) sources**: Currently, JKPCL is procuring 20 MW of solar power from NHPC Ltd. (Source: Aavada) and JKPCL is expecting another 720 MW of Solar power from other sources for FY 2025-26 as per details given below:

Table 33: Solar PPA Details for FY 2025-26

Source/Scheme	Quantum (MW)	SCOD
NTPC SOLAR (CPSU)	320	April 2025
SJVNL SOLAR (CPSU)	300	April 2025
SECI Solar Manufacture Linked Scheme	100	April 2025

3.5.5. For FY 2025-26 the Petitioner has considered projected quantum of energy procurement as per JKPCL and cost as per PPA approved rate.

3.5.6. **Allocation of power from Central Sources:** The Central Government has allocated 300 MW under the Additional Power from Southern Region (Additional Power from SR) and 393 MW under the Shakti Scheme – V to UT of J&K. Accordingly, based on JKPCL's estimate of quantum and cost the same are included as part of the power purchase for FY 2025-26.

3.5.7. **Power Purchase from short term sources:** In order to meet the power shortfall JKPCL purchases power from various short term sources such as the power exchange, bilateral sources etc. In line with the projection for FY 2024-25 the Petitioner has considered quantum of power requirement estimated by JKPCL for purchase from short term sources. Considering the prevailing power purchase rate on the power exchanges JKPCL has projected rate of Rs. 5.55/ kWh. for any additional power to be purchased during FY 2025-26. Considering this it is estimated that Rs. 763.70 crore would be spent on purchase of power from short term sources in FY 2025-26.

3.5.8. **JKPTCL Transmission charges:** The Petitioner has considered already approved transmission charges of Rs. 202.95 crores for FY 2025-26.

3.5.9. **PGCIL Transmission charges**: In line with estimation for FY 2024-25, JKPCL has projected no change in the transmission capacity allocation by CTU for UT of J&K. Accordingly, CTU charges of Rs. 1081.13 crores are considered as an estimate for FY 2024-25.

3.5.10. **Other Charges**: Other charges such as POSOCO charges, Reactive Energy charges, water usage charges levied by NHPC, Deviation and Settlement Account charges are considered equal to the revised projections of FY 2024-25.

3.5.11. **JKPCL Trading Margin**: The Hon'ble Commission vide its Order No. JERC/7 of 2022 dated 21st November 2022 approved trading margin cap of Rs. 0.02/ kWh towards electricity traded/ procured by JKPCL on behalf of the distribution licensees in the UT of J&K and UT of Ladakh. Trading margin of Rs. 0.02/ kWh has been considered toward power purchase cost.

3.5.12. **Supplementary Bills**: In line with the estimation for FY 2024-25 JKPCL has estimated that around 1200 crore would be the total value of the supplementary bills for FY 2025-26. Accordingly, the same are considered. The Petitioner submits that it shall submit the details of actual supplementary bills paid by JKPCL at the time of truing up.

3.5.13. **Merit Order Despatch**: JKPCL procures power from various power plants on the basis of Merit Order Dispatch (MOD) principle after considering the supply from hydro, solar and nuclear as 'Must-run'. The simulated Merit Order for despatch for FY 2025-26 is as follows:

Table 34: Projected Merit Order Despatch for remaining period of FY 2025-26

Name of power station	Source	Source	Variable Charges (Rs./ kWh)
STAKNA	Hydro	Must Run	0.00
KISHANGANGA	Hydro	Must Run	0.25
LOWER JHELUM HEP	Hydro	Must Run	0.40
GANDERBAL HEP	Hydro	Must Run	0.50
CHENANI HEP-I	Hydro	Must Run	0.53
SALAL	Hydro	Must Run	0.54
URI	Hydro	Must Run	0.54
USHP II KANGAN	Hydro	Must Run	0.58
USHP I SUMBAL	Hydro	Must Run	0.63
BHADERWAH HEP	Hydro	Must Run	0.71
BHEP-1	Hydro	Must Run	0.81
URI-II	Hydro	Must Run	0.87
SEWA-II	Hydro	Must Run	0.93
CHENANI HEP-III	Hydro	Must Run	0.94
CHENANI HEP-II	Hydro	Must Run	0.94
CHAMERA-II	Hydro	Must Run	1.07
CHAMERA-I	Hydro	Must Run	1.14
SJVNL Rampur	Hydro	Must Run	1.14
DULHASTI	Hydro	Must Run	1.16
IQBAL HEP	Hydro	Must Run	1.19
SJVNL NJ	Hydro	Must Run	1.20
SIPAT-1	Thermal	Merit Order	1.35
LARA	Thermal	Merit Order	1.36
SIPAT-2	Thermal	Merit Order	1.39
KORBA-3	Thermal	Merit Order	1.40
KORBA-1	Thermal	Merit Order	1.43
DAULIGANGA	Hydro	Must Run	1.45
VINDHYACHAL-4	Thermal	Merit Order	1.50
SINGRAULI THERMAL	Thermal	Merit Order	1.51
VINDHYACHAL-3	Thermal	Merit Order	1.52
VINDHYACHAL-2	Thermal	Merit Order	1.53

Name of power station	Source	Source	Variable Charges (Rs./ kWh)
RIHAND-III	Thermal	Merit Order	1.53
PARBATI-III	Hydro	Must Run	1.54
VINDHYACHAL-5	Thermal	Merit Order	1.55
RIHAND-II	Thermal	Merit Order	1.55
RIHAND-I	Thermal	Merit Order	1.56
VINDHYACHAL-1	Thermal	Merit Order	1.59
PAHALGAM MHEP	Hydro	Must Run	1.70
KARNAH HEP	Hydro	Must Run	1.73
SEWA HEP-III	Hydro	Must Run	1.78
MARPACHOO HEP	Hydro	Must Run	1.88
HUNDER	Hydro	Must Run	2.14
JHANOR GANDHAR	Thermal	Merit Order	2.17
KAWAS 4 GAS	Thermal	Merit Order	2.20
CHAMERA-III	Hydro	Must Run	2.21
PTC THEP	Hydro	Must Run	2.27
SANJAK	Hydro	Must Run	2.29
DADRI (GAS)	Thermal	Merit Order	2.34
ANTA (GAS)	Thermal	Merit Order	2.36
IGO MERCELLONG HEP	Hydro	Must Run	2.37
AURIYA (GAS)	Thermal	Merit Order	2.38
SECI (Solar 100 MW - Tranche IX)	Solar	Must Run	2.43
KOLDAM	Hydro	Must Run	2.45
JHANOR GANDHAR NAPM	Thermal	Merit Order	2.46
TANAKPUR	Hydro	Must Run	2.48
KAWAS 4 NAPM	Thermal	Merit Order	2.48
NTPC (320 MW)	Solar	Must Run	2.57
SJVNL (600 MW)	Solar	Must Run	2.57
HAFTAL HEP	Hydro	Must Run	2.57
BHEP-2	Hydro	Must Run	2.61
NHPC (Solar 20 MW - Aavada)	Solar	Must Run	2.63
NAPS 1&2	Nuclear	Must Run	2.99
KAHALGAON-II	Thermal	Merit Order	3.05
SUMOOR	Hydro	Must Run	3.09
BAZGO	Hydro	Must Run	3.10
MEJA	Thermal	Merit Order	3.19
KAHALGAON-I	Thermal	Merit Order	3.22
FARAKKA	Thermal	Merit Order	3.38
TAPS 3&4	Nuclear	Must Run	3.42
MOUDA 1	Thermal	Merit Order	3.54
MOUDA 2	Thermal	Merit Order	3.58
GARDWARA	Thermal	Merit Order	3.61
UNCHAHAR-2	Thermal	Merit Order	3.65
RAPP 3&4 and 5&6	Nuclear	Must Run	3.65
TANDA	Thermal	Merit Order	3.79
NIMOO-BAZGO	Hydro	Must Run	3.80
CHUTAK	Hydro	Must Run	3.88
KHARGONE	Thermal	Merit Order	3.90
KAPS	Nuclear	Must Run	3.97
UNCHAHAR-4	Thermal	Merit Order	4.35
KHARI	Hydro	Must Run	4.40
JHAJJAR APCPL	Thermal	Merit Order	4.41

Name of power station	Source	Source	Variable Charges (Rs./ kWh)
SOLAPUR	Thermal	Merit Order	4.44
UNCHAHAR-3	Thermal	Merit Order	4.65
NCTP-2	Thermal	Merit Order	4.66
UNCHAHAR-1	Thermal	Merit Order	4.75
SINGRAULI HYDRO	Hydro	Must Run	5.04
Shakti Scheme - V	Thermal	Merit Order	5.28
Additional Power from SR	Thermal	Merit Order	5.50
Short Term Power (IEX)	Thermal	Merit Order	5.55
KAWAS 4 LIQUID	Thermal	Merit Order	8.44
JHANOR GANDHAR RLNG	Thermal	Merit Order	11.01
KAWAS 4 RLNG	Thermal	Merit Order	11.11
DADRI (RLNG)	Thermal	Merit Order	11.12
ANTA (RLNG)	Thermal	Merit Order	11.58
AURIYA (RLNG)	Thermal	Merit Order	11.62
AURIYA	Thermal	Merit Order	13.36
ANTA (LIQUID)	Thermal	Merit Order	13.41
DADRI (LIQUID)	Thermal	Merit Order	24.89

3.5.14. Based on the above inputs and assumptions the source-wise revised projected power purchase quantum, charges and costs as projected by JKPCL for JPDCL, KPDCL and LPDD is provided in the following table.

Table 35: Revised projection of station wise power purchase quantum and cost for FY 2024-25

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity	Summer Entitlement	Winter Entitlement	Annual Energy Purchase	Variable Charge rate	Capacity Charges	Energy Charges	Other Charges	Total Charges
			MW	MW	MW	MU	Rs./kWh	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
1	**IPP-Within UT**		**3.75**	**3.75**	**3.75**	**12.92**		0.00	**5.68**	**0.00**	**5.68**
2	KHARI	Hydro	3.75	3.75	3.75	12.92	4.40	0.00	5.68	0.00	5.68
3	**JKPDC**		**1211.96**	**1061.96**	**1061.96**	**4269.94**		**295.89**	**592.09**	**0.00**	**887.98**
4	BAZGO	Hydro	0.30	0.30	0.30	0.26	3.10	0.33	0.08	0.00	0.41
5	BHADERWAH HEP	Hydro	1.50	1.50	1.50	0.00	0.71	0.66	0.00	0.00	0.66
6	BHEP-1	Hydro	450.00	300.00	300.00	1892.69	0.81	202.93	153.31	0.00	356.24
7	BHEP-2	Hydro	450.00	450.00	450.00	1518.91	2.61	0.00	396.44	0.00	396.44
8	CHENANI HEP-I	Hydro	23.30	23.30	23.30	63.34	0.53	5.81	3.36	0.00	9.17
9	CHENANI HEP-II	Hydro	2.00	2.00	2.00	0.86	0.94	1.12	0.08	0.00	1.20
10	CHENANI HEP-III	Hydro	7.50	7.50	7.50	1.36	0.94	3.39	0.13	0.00	3.52
11	GANDERBAL HEP	Hydro	15.00	15.00	15.00	13.19	0.50	4.44	0.66	0.00	5.10
12	HAFTAL HEP	Hydro	1.00	1.00	1.00	0.59	2.57	1.24	0.15	0.00	1.39
13	HUNDER	Hydro	0.40	0.40	0.40	0.46	2.14	0.38	0.10	0.00	0.48
14	IGO MERCELLONG HEP	Hydro	3.00	3.00	3.00	5.48	2.37	3.73	1.30	0.00	5.03
15	IQBAL HEP	Hydro	3.75	3.75	3.75	0.39	1.19	2.51	0.05	0.00	2.56
16	KARNAH HEP	Hydro	2.00	2.00	2.00	7.34	1.73	1.94	1.27	0.00	3.21
17	LOWER JHELUM HEP	Hydro	105.00	105.00	105.00	569.73	0.40	24.14	22.79	0.00	46.93
18	MARPACHOO HEP	Hydro	0.75	0.75	0.75	0.15	1.88	0.91	0.03	0.00	0.94
19	PAHALGAM MHEP	Hydro	4.50	4.50	4.50	5.29	1.70	2.91	0.90	0.00	3.81
20	SANJAK	Hydro	1.26	1.26	1.26	0.91	2.29	1.01	0.21	0.00	1.22
21	SEWA HEP-III	Hydro	9.00	9.00	9.00	0.00	1.78	5.80	0.00	0.00	5.80
22	STAKNA	Hydro	4.00	4.00	4.00	0.00	0.00	0.46	0.00	0.00	0.46
23	SUMOOR	Hydro	0.10	0.10	0.10	0.12	3.09	0.14	0.04	0.00	0.18
24	USHP I SUMBAL	Hydro	22.60	22.60	22.60	51.00	0.63	6.63	3.21	0.00	9.84
25	USHP II KANGAN	Hydro	105.00	105.00	105.00	137.85	0.58	25.41	8.00	0.00	33.41
26	**NHPC**		**4304.00**	**938.63**	**862.05**	**4102.91**		**305.96**	**447.60**	**0.21**	**753.77**
27	CHAMERA-I	Hydro	540.00	21.06	21.06	79.71	1.14	7.46	9.08	0.00	16.54
28	CHAMERA-II	Hydro	300.00	35.14	27.66	151.79	1.07	9.22	16.31	0.01	25.55
29	CHAMERA-III	Hydro	231.00	26.30	21.50	104.56	2.21	19.76	23.13	0.01	42.90
30	CHUTAK	Hydro	44.00	44.00	44.00	166.70	3.88	63.90	64.68	0.00	128.58

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity	Summer Entitlement	Winter Entitlement	Annual Energy Purchase	Variable Charge rate	Capacity Charges	Energy Charges	Other Charges	Total Charges
			MW	MW	MW	MU	Rs./kWh	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
31	DAULIGANGA	Hydro	280.00	29.55	23.74	110.93	1.45	12.28	16.12	0.01	28.41
32	DULHASTI	Hydro	390.00	99.98	91.87	537.36	1.16	9.75	62.30	0.01	72.07
33	KISHANGANGA	Hydro	330.00	57.70	50.84	250.88	0.25	2.66	6.22	0.01	8.90
34	NIMOO-BAZGO	Hydro	45.00	45.00	45.00	234.50	3.80	50.19	89.12	0.00	139.31
35	PARBATI-III	Hydro	520.00	59.20	48.40	58.54	1.54	57.04	9.01	0.09	66.14
36	SALAL	Hydro	690.00	237.29	237.29	1155.93	0.54	5.53	62.03	0.01	67.57
37	SEWA-II	Hydro	120.00	28.39	25.89	86.43	0.93	11.11	8.06	0.01	19.19
38	TANAKPUR	Hydro	94.00	7.22	7.22	29.26	2.48	36.12	7.24	0.01	43.38
39	URI	Hydro	480.00	163.01	163.01	748.18	0.54	6.80	40.61	0.01	47.42
40	URI-II	Hydro	240.00	84.79	54.57	388.16	0.87	14.13	33.68	0.01	47.82
41	**NPCIL**		**3280.00**	**164.47**	**112.03**	**1257.86**		**0.00**	**432.80**	**0.00**	**432.80**
42	KAPS	Nuclear	880.00	11.04	11.04	45.50	3.97	0.00	18.05	0.00	18.05
43	NAPS 1&2	Nuclear	440.00	52.14	43.27	404.93	2.99	0.00	120.98	0.00	120.98
44	RAPP 3&4 and 5&6	Nuclear	880.00	95.72	52.15	766.81	3.65	0.00	279.88	0.00	279.88
45	TAPS 3&4	Nuclear	1080.00	5.57	5.57	40.63	3.42	0.00	13.89	0.00	13.89
46	**NTPC**		**54901.01**	**3507.31**	**2621.76**	**5951.15**		**436.83**	**1629.37**	**53.94**	**2120.14**
47	ANTA (GAS)	Thermal	419.00	47.84	39.11	0.00	2.36	0.00	0.00	0.00	0.00
48	ANTA (LIQUID)	Thermal	419.00	47.84	39.11	0.00	13.41	0.00	0.00	0.00	0.00
49	ANTA (RLNG)	Thermal	419.00	47.84	39.11	1.61	11.58	24.63	1.86	0.00	26.49
50	AURIYA	Thermal	663.00	73.62	59.91	0.00	13.36	0.00	0.00	0.00	0.00
51	AURIYA (GAS)	Thermal	663.00	73.62	59.91	0.00	2.38	0.00	0.00	0.00	0.00
52	AURIYA (RLNG)	Thermal	663.00	73.62	59.91	1.08	11.62	33.87	1.26	0.00	35.12
53	DADRI (GAS)	Thermal	830.00	94.59	76.72	0.00	2.34	0.00	0.00	0.00	0.00
54	DADRI (LIQUID)	Thermal	830.00	94.59	76.72	0.00	24.89	0.00	0.00	0.00	0.00
55	DADRI (RLNG)	Thermal	830.00	94.59	76.72	1.67	11.12	36.91	1.86	15.74	54.51
56	FARAKKA	Thermal	1600.00	13.60	13.60	94.09	3.38	9.65	31.79	3.73	45.17
57	GARDWARA	Thermal	1600.00	8.30	8.30	51.54	3.61	21.90	18.58	0.00	40.48
58	JHANOR GANDHAR	Thermal	657.39	0.04	0.04	0.00	2.17	0.00	0.00	0.00	0.00
59	JHANOR GANDHAR NAPM	Thermal	657.39	0.04	0.04	0.00	2.46	-66.81	0.00	0.81	-66.00
60	JHANOR GANDHAR RLNG	Thermal	657.39	0.04	0.04	0.00	11.01	0.00	0.00	0.00	0.00
61	KAHALGAON-I	Thermal	840.00	30.91	30.91	217.42	3.22	12.98	70.06	0.00	83.04
62	KAHALGAON-II	Thermal	1500.00	83.40	83.40	568.39	3.05	10.55	173.57	0.03	184.16
63	KAWAS 4 GAS	Thermal	656.20	0.04	0.04	0.00	2.20	-66.00	0.00	0.00	-66.00
64	KAWAS 4 LIQUID	Thermal	656.20	0.04	0.04	0.00	8.44	0.00	0.00	0.00	0.00

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity	Summer Entitlement	Winter Entitlement	Annual Energy Purchase	Variable Charge rate	Capacity Charges	Energy Charges	Other Charges	Total Charges
			MW	MW	MW	MU	Rs./kWh	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
65	KAWAS 4 NAPM	Thermal	656.20	0.04	0.04	0.00	2.48	0.00	0.00	0.00	0.00
66	KAWAS 4 RLNG	Thermal	656.20	0.04	0.04	0.01	11.11	0.00	0.01	0.00	0.01
67	KHARGONE	Thermal	1320.00	6.85	6.85	53.01	3.90	23.38	20.70	2.75	46.83
68	KOLDAM	Hydro	800.00	105.50	97.80	428.97	2.45	22.96	105.18	0.00	128.14
69	KORBA-1	Thermal	2100.00	5.79	5.79	44.56	1.43	8.02	6.36	0.25	14.64
70	KORBA-3	Thermal	500.00	2.59	2.59	19.93	1.40	10.62	2.79	0.74	14.15
71	LARA	Thermal	1600.00	8.23	8.23	62.85	1.36	16.94	8.54	0.34	25.82
72	MEJA	Thermal	1320.00	67.62	53.90	455.94	3.19	23.13	145.59	0.00	168.71
73	MOUDA 1	Thermal	1000.00	3.75	3.75	30.96	3.54	11.90	10.97	0.18	23.05
74	MOUDA 2	Thermal	1320.00	6.79	6.79	42.69	3.58	15.74	15.28	0.01	31.03
75	NCTP-2	Thermal	980.00	10.56	5.67	92.96	4.66	26.04	43.34	0.57	69.94
76	RIHAND-I	Thermal	1000.00	79.75	75.23	560.31	1.56	9.93	87.15	0.00	97.09
77	RIHAND-II	Thermal	1000.00	104.60	99.69	751.60	1.55	9.16	116.63	0.41	126.20
78	RIHAND-III	Thermal	1000.00	77.40	71.94	559.13	1.53	16.87	85.67	0.59	103.13
79	SINGRAULI HYDRO	Hydro	8.00	0.36	0.19	1.58	5.04	0.00	0.80	0.00	0.80
80	SINGRAULI THERMAL	Thermal	2000.00	19.63	10.54	133.46	1.51	13.81	20.14	4.22	38.16
81	SIPAT-1	Thermal	1980.00	10.27	10.27	69.27	1.35	14.29	9.36	0.02	23.67
82	SIPAT-2	Thermal	1000.00	3.62	3.62	29.90	1.39	10.73	4.17	0.10	14.99
83	SOLAPUR	Thermal	1320.00	6.85	6.85	48.70	4.44	18.88	21.65	0.00	40.53
84	TANDA	Thermal	1320.00	79.76	74.95	548.84	3.79	17.49	208.11	0.02	225.62
85	UNCHAHAR-1	Thermal	420.00	15.56	14.83	114.66	4.75	37.65	54.44	0.00	92.09
86	UNCHAHAR-2	Thermal	420.00	34.93	32.64	235.71	3.65	12.87	85.95	0.03	98.86
87	UNCHAHAR-3	Thermal	210.00	15.43	14.31	116.72	4.65	13.73	54.27	0.01	68.01
88	UNCHAHAR-4	Thermal	500.00	61.08	58.35	458.89	4.35	24.11	199.52	1.21	224.84
89	VINDHYACHAL-1	Thermal	1260.00	4.93	4.93	35.74	1.59	9.65	5.68	0.12	15.44
90	VINDHYACHAL-2	Thermal	1000.00	3.79	3.79	30.69	1.53	8.47	4.70	0.11	13.27
91	VINDHYACHAL-3	Thermal	1000.00	3.79	3.79	29.65	1.52	8.67	4.50	0.76	13.93
92	VINDHYACHAL-4	Thermal	1000.00	5.19	5.19	39.07	1.50	17.66	5.85	15.12	38.63
93	VINDHYACHAL-5	Thermal	11650.04	1978.07	1275.58	19.53	1.55	16.46	3.03	6.07	25.56
94	**Other CSPP**		**6525.02**	**1042.79**	**681.95**	**5218.38**	**24.70**	**87.81**	**2228.27**	**0.58**	**2316.67**
95	Additional Power from SR	Thermal	300.00	300.00	0.00	456.00	5.50	0.00	250.80	0.00	250.80
96	JHAJJAR APCPL	Thermal	1500.00	34.09	18.29	355.45	4.41	18.20	156.69	0.00	174.89
97	PTC THEP	Hydro	1020.00	18.05	18.05	13.91	2.27	0.00	3.16	0.00	3.16
98	Shakti Scheme - V	Thermal	393.00	393.00	393.00	3066.00	5.28	0.00	1618.85	0.00	1618.85

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity	Summer Entitlement	Winter Entitlement	Annual Energy Purchase	Variable Charge rate	Capacity Charges	Energy Charges	Other Charges	Total Charges
			MW	MW	MW	MU	Rs./kWh	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
99	SJVNL NJ	Hydro	1500.00	149.54	128.90	757.96	1.20	12.20	91.18	0.52	103.90
100	SJVNL Rampur	Hydro	412.02	40.60	35.38	196.98	1.14	12.69	22.46	0.02	35.17
101	THDC	Hydro	1000.00	77.60	63.89	275.57	2.12	18.93	58.28	0.02	77.24
102	THDC KOTESHWAR	Hydro	400.00	29.92	24.43	96.51	2.78	25.79	26.85	0.02	52.67
103	**SHORT TERM**		**0.00**	**0.00**	**0.00**	**1376.03**	**5.55**	**0.00**	**763.70**	**0.00**	**763.70**
104	Short Term Power (IEX)	Thermal	0.00	0.00	0.00	1376.03	5.55	0.00	763.70	0.00	763.70
105	**RENEWABLE**		**740.00**	**740.00**	**740.00**	**1626.44**	**10.20**	**0.00**	**419.87**	**0.00**	**419.87**
106	NHPC (Solar 20 MW - Aavada)	Solar	20.00	20.00	20.00	49.64	2.63	0.00	13.05	0.00	13.05
107	Solar (720 MW)	Solar	720.00	720.00	720.00	1576.80	2.58	0.00	406.81	0.00	406.81
108	SECI (Solar 100 MW - Tranche IX)	Solar	0.00	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
109	SJVNL (600 MW)	Solar	0.00	0.00	0.00	0.00	2.57	0.00	0.00	0.00	0.00
110	**TRANSMISSION CHG.**		**0.00**					**1286.30**	**0.00**	**0.00**	**1286.30**
111	BANKING (UPPTCL)		0.00	0.00	0.00	-661.50	0.00	0.00	0.00	0.00	0.00
112	JKPTCL		0.00	0.00	0.00	0.00	0.00	202.95	0.00	0.00	202.95
113	PGCIL		0.00	0.00	0.00	0.00	0.50	1081.13	0.00	0.00	1081.13
114	POSOCO CHARGES		0.00	0.00	0.00	0.00	0.00	2.22	0.00	0.00	2.22
115	TANDA TRANSMISSION CHG		0.00	0.00	0.00	17713.67	0.00	0.00	0.00	0.00	0.00
116	**TRANSMISSION OTHERS**							**350.49**	**0.00**	**0.00**	**350.49**
117	DEVIATION & SETTLEMENT A/C							51.81	0.00	0.00	51.81
118	NHPC WATER USAGE CHG.							297.70	0.00	0.00	297.70
119	NRPC CHARGES							0.00	0.00	0.00	0.00
120	REACTIVE ENERGY CHG. (CTU)							0.98	0.00	0.00	0.98
121	REACTIVE ENERGY CHG. (PSPCL)							0.00	0.00	0.00	0.00
122	**SUPPLEMENTARY BILLS FROM GENERATORS**							**0.00**	**0.00**	**1200.61**	**1200.61**
123	SUPPLEMENTARY BILLS							0.00	0.00	1200.61	1200.61
124	JKPCL Trading Margin									48.18	48.18
125	**Grand Total**					**24091.20**		**2763.29**	**6519.38**	**1303.53**	**10586.19**

3.5.15. The Petitioner requests the Hon'ble Commission to approve the station wise projected quantum, rate and cost of power purchase.

3.5.16. The total power purchase cost from various generating stations at generation periphery and other related expenses (transmission charges, water charges, POSOCO charges, JKPCL trading margin etc.) are apportioned to the various Distribution Licensees by multiplying the average power purchase cost at DISCOM periphery by the energy at distribution periphery for the Distribution Licensees. The table below provides the estimate of apportioned power purchase expenses for the Petitioner.

Table 36: Apportionment of Power Purchase Cost

Particulars	Legend	FY 2025-26 ARR
Cost of Total Power Purchase (Rs. Crore)	A	10586.19
Total Energy purchased at DISCOM periphery (MU)	B	22429.50
Average power purchase cost at DISCOM periphery (MU)	C = A/B*10	4.72
Energy at KPDCL periphery (MU)	D	12551.79
Power Purchase Cost for KPDCL (Rs. Crores)	E = C*D	**5924.15**

3.5.17. The Petitioner requests the Hon'ble Commission to approve the above power purchase expenses.

3.6. Operation & Maintenance Expenses

3.6.1. The Petitioner has bifurcated O&M expenses into 3 heads namely:

- O&M expenses of the Petitioner consisting of Employee expenses, A&G Expenses and R&M Expenses (Normal O&M Expenses),
- Expenses towards supplying off-grid consumers of Gurez and Tulail which are mostly towards the fuel (Off-grid material and supply expenses), and
- Provision of O&M expenses towards IT initiatives namely per meter per month expenses payable by the Petitioner to the smart meter vendors and recoverable from the consumers (Provision: IT Initiatives, Smart Meter PMPM expenses).

3.6.2. Regulations 52 and 63 of the MYT Regulations 2023 specifies the Operation and Maintenance (O&M) expenses for distribution wires business and Retail Supply Business respectively. The same are quoted as follows:

"*52.1 The Operation and Maintenance expenses for the Distribution Wires Business shall be computed in accordance with these Regulations.*

52.2 Operation and Maintenance (O&M) expenses shall comprise of the following:

a) Employee (EMP) expenses -salaries, wages, pension contribution and other employee costs;

b) Administrative and General (A&G) expenses including insurance charges if any; and

c) Repairs and Maintenance (R&M) expenses.

52.3 O&M expenses for the nth Year of the Control Period shall be approved based on the formula given below:

$$O\&M_n = (R\&M_n + EMP_n + A\&G_n) + \text{Terminal Liabilities;}$$

(a) Employee Cost

Employee cost shall be computed on employee expenses for previous years escalated by consumer price index (CPI) and suitable Growth Factor adjusted by provisions for expenses beyond the control of the Distribution Licensee such as recovery/adjustment of terminal benefits, implications of Pay Commission, arrears and Interim Relief, governed by the following formula:

$$EMP_n = (EMP_{n-1}) \times (1 + CPI_{inflation}) + \text{Growth Factor}(G) + \text{Provisions}$$

Where,

EMP_n *– Employee expenses of the Distribution Licensee for the nth Year;*

EMP_{n-1} *– Average Employee expenses for past three years, if n=1; Employee expenses for (n-1)th year, otherwise.*

$CPI_{inflation}$ *– is the average increase in Consumer Price Index (CPI) for immediately preceding three (3) Years before the base Year;*

Growth Factor (G) *– Shall be Year-on-Year/CAGR/any escalation factor considered by the licensee for projecting the employee expenses considering future recruitment/retirement plans or requirement of additional manpower;*

Provision: *Provision for expenses beyond control of the Distribution Licensee and expected one-time expenses as specified above.*

(b) Repairs and Maintenance(R&M) Expense

Repairs and Maintenance expense shall be calculated on Actual R&M expenses incurred for previous years escalated by Wholesale Price Index (WPI) as per the following formula:

$$R\&M_n = (R\&M_{n-1}) \times (1 + WPI_{inflation})$$

Where,

$R\&M_n$ *– Repair and Maintenance expenses of the Distribution Licensee for the nth Year;*

R&M$_{n-1}$ *– Average Repair and Maintenance expenses for past three years, if n=1; Repair and Maintenance expenses for (n-1)th year, otherwise.*

WPI$_{inflation}$ *– is the average increase in the Wholesale Price Index (WPI) for immediately preceding three (3) Years before the base Year;*

(c) Administrative and General Expense

A&G expense shall be computed on actual A&G expenses of previous years escalated by wholesale price index (WPI) and adjusted by provisions for confirmed initiatives (IT initiatives as proposed by the Distribution Licensee and validated by the Commission) or other expected one-time expenses, and shall be governed by following formula:

A&G$_n$=(A&G$_{n-1}$) x (1 + WPI$_{inflation}$) + Provision.

Where,

A&G$_n$ *– Administrative and General expenses of the Distribution Licensee for the nth Year;*

A&G$_{n-1}$ *– Average Administrative and General expenses for past three years, if n=1; Administrative and General expenses for (n-1)th year, otherwise.*

Actual Administrative and General expenses for (n-1)th Year;

WPI$_{inflation}$ *– is the average increase in the Wholesale Price Index (WPI) for immediately preceding three (3) Years before the base Year;*

Provision: *Cost for initiatives or other one-time expenses as proposed by the Distribution Licensee and validated by the Commission*

(d) Terminal liabilities

Terminal liabilities of employees of the Licensee including pension expenses etc. shall be approved as per actuals submitted by the Licensee, subject to prudence check or be established through actuarial studies.

Additionally, any variation due to changes recommended by the pay commission shall be allowed separately by the Commission, subject to prudence check.

52.4 For the purpose of estimation, the same value of factors – and shall be used for all Years of the Control Period. However, the Commission shall consider the actual values of the factors WPI$_{inflation}$– and during the truing up exercise for the Year for which true up is being carried out and true up the O&M Expenses for that Year, only to the extent of inflation."

3.6.3. The Petitioner has considered following CPI$_{inflation}$ and WPI$_{inflation}$ in line with the Regulation 52.2 of the MYT Regulations 2023.

Table 37: Average CPI Inflation considered for projection

Month	FY 2021-22	FY 2022-23	FY 2023-24	3 Year Average
April	345.89	367.78	386.50	
May	347.33	371.52	387.94	

Month	FY 2021-22	FY 2022-23	FY 2023-24	3 Year Average
June	350.50	372.10	392.83	
July	353.66	374.11	402.34	
August	354.24	374.98	400.90	
September	355.10	378.14	396.00	
October	359.71	381.60	398.59	
November	362.02	381.60	400.61	
December	361.15	381.02	399.74	
January	360.29	382.46	400.03	
February	360.00	382.18	400.90	
March	362.88	383.90	400.03	
Average	356.06	377.62	397.20	
CPI Inflation	**5.13%**	**6.05%**	**5.19%**	**5.46%**

Table 38: Average WPI Inflation considered for projection.

Month	FY 2021-22	FY 2022-23	FY 2023-24	3 Year Average
April	132.00	152.30	151.10	
May	132.90	155.00	149.40	
June	133.70	155.40	148.90	
July	135.00	154.00	152.10	
August	136.20	153.20	152.50	
September	137.40	151.90	151.80	
October	140.70	152.90	152.50	
November	143.70	152.50	153.10	
December	143.30	150.50	151.80	
January	143.80	150.70	151.20	
February	145.30	150.90	151.20	
March	148.90	151.00	151.40	
Average	139.41	152.53	151.42	
WPI Inflation	13.00%	9.41%	-0.73%	**7.23%**

3.6.4. The Petitioner has considered the revised estimate of O&M expenses of FY 2024-25 as base and used the above average CPI and WPI inflation to arrive at the estimate of normative O&M expenses of FY 2025-26. As regard the 'Growth Factor (G)' under the employee expenses, the Petitioner submits that, currently the Petitioner does not undertake recruitments on its own. All its employees are deputed by JKPDD under the Transfer Scheme. Therefore, it is difficult to project the Growth Factor (G) at this stage. The Petitioner has covered 'Per Meter Per Month charges' payable to the Smart Meter vendors under the 'Provisions' head of the A&G expenses as expenses towards the smart metering initiative undertaken by the Licensee.

PMPM Charges [IT Initiatives, Smart Meter PMPM expenses]:

3.6.5. The Petitioner has achieved 'Go-live' with the 100% prepaid smart meters under the PMDP Phase 2 scheme from March-April 2024. Similarly, the installation and 'Go-live' of meters installed under RDSS scheme will pick up pace in FY 2025-26. It is to be noted that, the prepaid smart meters installed under the PMDP Phase 2 and under the RDSS scheme are implemented under the TOTEX mode. The TOTEX mode relates to the CAPEX+OPEX mode. The Smart metering works under RDSS is to be implemented in TOTEX mode i.e. (CAPEX+OPEX), as per the following provision:

> "*2.3.2 Funding under this Part will be available only if the DISCOM agrees to the operation of smart meters in prepayment mode for consumers, and in accordance with the uniform approach indicated by the Central Government, with implementation in TOTEX mode. Under this mode, a single agency will be contracted for supplying, maintaining and operating the metering infrastructure for the purpose of meter related data and services to the DISCOM. It will make both capital and operational expenditure under DBFOOT (Design Build Fund Own Operate & Transfer) or similar modes and will be paid for a portion of its capital expenditure initially and the remaining payment over the O&M period.*
>
> *……*
>
> *3.3.3 The Action Plan and DPRs for loss reduction and metering shall be scrutinized by the Nodal Agency and approved by the Monitoring Committee with such modifications, as are necessary to achieve the objectives of the Scheme. Monitoring Committee will issue sanctions of loss reduction works contingent to sanctions of metering works being already in place; or, Smart metering works being already implemented by the DISCOMs in line with the SBD for Smart prepaid metering in TOTEX mode; or together, as the case may be.*"

3.6.6. It is important to note that, a portion of the capital expenditure will be paid towards the CAPEX by the Distribution Licensee/ Government (Rs. 198.64 crores). As the amount will be paid as Grant-in-aid by the Government the same will not be recovered from the consumers through the ARR (depreciation, RoE and Interest on long term loans etc.). Thus, only the balance portion of the capital expenditure along with operational expenditure will be recovered under the TOTEX mode.

3.6.7. Under the TOTEX mode the remaining part of the CAPEX and the operational expenses (OPEX) will be paid by the Petitioner to the implementing agencies/ vendors in the form of monthly charges over the 9-year period (108 months) which cumulatively amounts to Rs.

169.48 crores for smart meters under PMDP Lot-A and Lot-B. Whereas for smart meters under Lot-C/ RDSS scheme the Petitioner would pay Rs. 680.76 crores cumulatively over ~ 8 years (93 months).

3.6.8. RECPDCL which is the Project Implementation Agency (PIA) for the smart meters under the RDSS scheme has informed following cumulative target for physical progress of installation of prepaid smart meters under the RDSS scheme.

Table 39: Cumulative target of physical progress of prepaid smart metering works under RDSS

Particulars	March 2025	March 2026
Consumer Smart Meters	1%	37.7%
DT Smart Meters	1%	83%
Feeder Smart Meters	1%	100%

3.6.9. In line with the above estimates, the Petitioner has projected following Provision towards IT Initiatives, Smart Meter PMPM expenses.

Table 40: Details of Smart Metering works under PMDP and RDSS scheme with PMPM charges

Sr. No.	Description	Total Quantity (No's)	Upfront Capex Subsidy (Rs./ meter)	Capex subsidy (Rs. Crore)	Per Meter Per Month Charges (Rs./ meter)	No. of Months	Total Per Meter Per Month charges (Rs. in Cr)
	LOT-A Smart Metering Project under PMDP (Anvil Cables)						
1	1-Phase Consumer Smart Meter	145066	3000	43.52	36	108	56.40
2	3-Phase Consumer Smart Meter	3421	3000	1.03	46	108	1.70
3	3-Phase LT-CT Operated Consumer Smart Meter	1188	3000	0.36	153	108	1.96
4	3-Phase LT-CT Operated DT Smart Meter	3974	2700	1.07	170	108	7.30
5	3-Phase CT-PT Operated Smart Meter	325	3000	0.10	131	108	0.46
-	**LOT-B Smart Metering Project under PMDP (Techno)**						
1	1-Phase Consumer Smart Meter	109000	3000	32.70	68	108	80.05
2	3-Phase Consumer Smart Meter	7500	3000	2.25	85	108	6.89
3	3-Phase LT-CT Operated Consumer Smart Meter	1705	3000	0.51	124	108	2.28
4	3-Phase LT-CT Operated DT Smart Meter	6003	2700	1.62	154	108	9.98
5	3-Phase CT-PT Operated Smart Meter	1128	3000	0.34	202	108	2.46
	LOT-C Phase 1&2 Smart Metering Project under RDSS						
1	1-Phase Consumer Smart Meter	691132	1350	93.30	88.91	93	571.47
2	3-Phase Consumer Smart Meter	27028	1350	3.65	103.76	93	26.08
3	3-Phase LT-CT Operated Consumer Smart Meter	2526	1350	0.34	200.54	93	4.71
4	3-Phase LT-CT Operated DT Smart Meter	41526	5175	21.49	199.65	93	77.10
5	3-Phase CT-PT Operated Smart Feeder Meter	660	9450	0.62	227.42	93	1.40
	Grand Total	**1042182**		**202.90**			**850.25**

Table 41: Details of prepaid smart meters achieving 'Go-live' in FY 2025-26

Sr. No.	Description	Projected cumulative No. of smart meters installed in FY 2024-25											
		April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March
	LOT-A Smart Metering Project under PMDP (Anvil Cables)												
1	1-Phase Consumer Smart Meter	142,560	142,560	142,560	142,560	142,560	142,560	142,560	142,560	142,560	142,560	142,560	142,560
2	3-Phase Consumer Smart Meter	5,548	5,548	5,548	5,548	5,548	5,548	5,548	5,548	5,548	5,548	5,548	5,548
3	3-Phase LT-CT Operated Consumer Smart Meter	1,191	1,191	1,191	1,191	1,191	1,191	1,191	1,191	1,191	1,191	1,191	1,191
4	3-Phase LT-CT Operated DT Smart Meter	4,457	4,457	4,457	4,457	4,457	4,457	4,457	4,457	4,457	4,457	4,457	4,457
5	3-Phase CT-PT Operated Smart Meter	701	701	701	701	701	701	701	701	701	701	701	701
	LOT-B Smart Metering Project under PMDP (Techno)												
1	1-Phase Consumer Smart Meter	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000
2	3-Phase Consumer Smart Meter	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500
3	3-Phase LT-CT Operated Consumer Smart Meter	1,705	1,705	1,705	1,705	1,705	1,705	1,705	1,705	1,705	1,705	1,705	1,705
4	3-Phase LT-CT Operated DT Smart Meter	6,003	6,003	6,003	6,003	6,003	6,003	6,003	6,003	6,003	6,003	6,003	6,003
5	3-Phase CT-PT Operated Smart Meter	1,128	1,128	1,128	1,128	1,128	1,128	1,128	1,128	1,128	1,128	1,128	1,128
	LOT-C Phase 1&2 Smart Metering Project under RDSS												
1	1-Phase Consumer Smart Meter	33215	52,963	72,711	92,459	112,207	131,955	151,703	171,451	191,199	210,947	230,695	250438
2	3-Phase Consumer Smart Meter	926	1926	2,476	3,026	3,576	4,126	4,676	5,226	5,776	6,326	6,876	6979
3	3-Phase LT-CT Operated Consumer Smart Meter	145	290	376	462	548	634	720	806	892	978	1,064	1091
4	3-Phase LT-CT Operated DT Smart	2034	5423	8,307	11,191	14,075	16,959	19,843	22,727	25,611	28,495	31,379	33756

Sr. No.	Description	Projected cumulative No. of smart meters installed in FY 2024-25											
		April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March
	Meter												
5	3-Phase CT-PT Operated Smart Feeder Meter	149	273	394	515	636	757	878	999	1,120	1,241	1,362	1485
	Grand Total	**316262**	**340668**	**364057**	**387446**	**410835**	**434224**	**457613**	**481002**	**504391**	**527780**	**551169**	**573542**

Table 42: Estimated Provision: IT Initiatives, Smart Meter PMPM expenses for FY 2024-25 (Rs. crores)

Sr. No.	LOT-A Smart Metering Project under PMDP (Anvil Cables)	Per Meter Per Month Charges (Rs./ meter)	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	Total (FY 2025-26)
1	1-Phase Consumer Smart Meter	36	1	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	
2	3-Phase Consumer Smart Meter	46	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
3	3-Phase LT-CT Operated Consumer Smart Meter	153	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
4	3-Phase LT-CT Operated DT Smart Meter	154	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
5	3-Phase CT-PT Operated Smart Meter	131	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
	Sub Total (LOT-A Smart Meters under PMDP)		**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**0.63**	**7.62**
	LOT-B Smart Metering Project under PMDP (Techno)														
1	1-Phase Consumer Smart Meter	68	1	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	
2	3-Phase Consumer Smart Meter	85	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
3	3-Phase LT-CT Operated Consumer Smart Meter	124	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
4	3-Phase LT-CT Operated DT Smart Meter	170	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
5	3-Phase CT-PT Operated Smart Meter	202	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	

Sr. No.	LOT-A Smart Metering Project under PMDP (Anvil Cables)	Per Meter Per Month Charges (Rs./ meter)	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	Total (FY 2025-26)
	Sub Total (LOT-B Smart Meters under PMDP)		**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**11.41**
	LOT-C Phase 1&2 Smart Metering Project under RDSS														
1	1-Phase Consumer Smart Meter	96.94	0.32	0.51	0.70	0.90	1.09	1.28	1.47	1.66	1.85	2.04	2.24	2.43	
2	3-Phase Consumer Smart Meter	132.04	0.01	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.08	0.09	0.09	
3	3-Phase LT-CT Operated Consumer Smart Meter	235.52	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	
4	3-Phase LT-CT Operated DT Smart Meter	255.70	0.05	0.14	0.21	0.29	0.36	0.43	0.51	0.58	0.65	0.73	0.80	0.86	
5	3-Phase CT-PT Operated Smart Feeder Meter	507.48	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.08	
	Sub Total (LOT-C Smart Meters under RDSS)		**0.40**	**0.70**	**0.98**	**1.26**	**1.54**	**1.82**	**2.10**	**2.38**	**2.66**	**2.94**	**3.22**	**3.48**	**23.49**
	Grand Total (Smart meters under LOT A + LOT B + LOT C)		**1.98**	**2.28**	**2.56**	**2.85**	**3.13**	**3.41**	**3.69**	**3.97**	**4.25**	**4.53**	**4.81**	**5.07**	**42.52**

3.6.10. Prepaid Smart metering of all its consumers is an initiative undertaken by the Petitioner to reduce the overall AT&C losses and to achieve the AT&C loss trajectory as approved under the RDSS scheme and by the Hon'ble Commission. In this context, the Petitioner requests the Hon'ble Commission to approve the Provision towards IT Initiatives - Smart Meter PMPM expenses.

Off-Grid Material and Supply Expenses:

3.6.11. As described at para 2.6.10 of this Petition, the Petitioner supplies electricity to its consumers in far flung areas of Gurez and Tulail which are not connected to its distribution network. In order to estimate the realistic expenses towards fuel (HSD) for FY 2025-26, the Petitioner has considered $WPI_{inflation}$ over the revised estimate of off-grid material and supply expenses of FY 2024-25.

3.6.12. Based on the above submission, the Petitioner has arrived at following revised estimate of O&M expenses for FY 2025-26.

Table 43: O&M Expenses projected for FY 2025-26 (Rs. Crore)

Sr. No.	Particulars	Projected
1	Employee Expenses	648.58
2	A&G Expenses	3.18
2.1	Off-Grid Material & Supply	14.03
2.2	IT Expenses [Smart Meters]	42.52
3	R&M Expenses	5.45
	O&M Expense capitalised	-
4	**Total Operation & Maintenance Expenses (net of capitalisation)**	**713.76**

3.6.13. The Petitioner requests the Hon'ble Commission to approve the above revised estimate of O&M expenses for FY 2025-26.

3.7. Depreciation

3.7.1. It is submitted that the Petitioner is undertaking the capital expenditure in FY 2025-26 by means of funding received from the Government/ UT Administration in the form of grants/ grant-in-aid. Thus, the Petitioner does not intend to finance any capital works through any capital loan and/ or infused equity to create assets in FY 2025-26.

3.7.2. As specified in regulation 25.4 (c) and additional proviso of regulation 30.1 of the JERC MYT Regulations 2023, depreciation on assets created from grant is not allowed. Relevant excerpts are reproduced here as follows:

Regulation 25.4 (c)

"c) Depreciation to the extent of works performed through consumer contribution, deposit work, capital subsidy, or grant shall not be allowed as specified in Regulation 30;"

Regulation 30.1

"30.1 The value base for the purpose of depreciation shall be the capital cost of the asset admitted by the Commission:

Provided that the depreciation shall be allowed after reducing the approved original cost of the retired or replaced or decapitalized assets:

Provided also that the no depreciation shall be allowed on the assets financed through consumer contribution, deposit work, capital subsidy or grant."

3.7.3. In line with the above said provisions, the Petitioner has claimed nil depreciation (Depreciation as per regulatory accounts) on assets during FY 2025-26.

3.7.4. The Hon'ble Commission is requested to approve nil depreciation during FY 2025-26.

3.8. Interest on long term loans

3.8.1. As discussed in the above section, Petitioner does not intend to finance any capital works through any capital loan and/ or infused equity to create assets in FY 2025-26.

3.8.2. As specified in regulation 25.4 (e) and regulation 28.7 of the JERC MYT Regulations 2023, interest on loan capital on financial support corresponding to grant. Relevant excerpts are reproduced here as follows:

*"**Regulation 25.4 (e)***

"e) provisions related to interest on loan capital, as specified in Regulation 28, shall not be applicable to the extent of financial support provided through consumer contribution, deposit work, capital subsidy or grant."

Regulation 28.7

"The above interest computation shall exclude the interest on loan amount, normative or otherwise, to the extent of capital cost funded by consumer contribution, deposit work, capital subsidy or grant, carried out by Transmission Licensee or Distribution Licensee."

3.8.3. In line with the above said provisions, the Petitioner has claimed nil interest on long term loans on assets during FY 2025-26.

3.8.4. The Hon'ble Commission is requested to approve nil interest on long term loans during FY 2025-26.

3.9. Return on Equity

3.9.1. As discussed in the section 3.7, Petitioner does not intend to finance any capital works through any capital loan and/ or infused equity to create assets in FY 2025-26.

3.9.2. As specified in regulation 25.4 (d) of the JERC MYT Regulations 2018, return on equity is not applicable on financial support corresponding to grant. Relevant excerpts are reproduced here as follows:

"d) provisions related to return on equity, as specified in Regulation 27, shall not be applicable to the extent of financial support provided through consumer contribution, deposit work, capital subsidy or grant;"

3.9.3. In line with the above said provisions, the Petitioner has claimed nil return on regulatory equity on assets during FY 2025-26.

3.9.4. The Hon'ble Commission is requested to approve nil return on regulatory equity during FY 2025-26.

3.10. Interest on working capital

3.10.1. As specified in proviso of regulation 51.1 of the JERC MYT Regulations 2023, interest on working capital is to be allowed as per provisions of chapter 3, i.e. Financial Principles of the aforesaid regulations. Relevant excerpt is reproduced here as follows:

Proviso of Regulation 51.1

"Provided that Return on Equity, Interest on Loan Capital, Depreciation, Interest on Working Capital, Interest on deposits from Consumers and distribution system users, and Income Tax for Distribution Wires Business shall be allowed in accordance with the provisions specified in Chapter 3 of these Regulations:"

3.10.2. Accordingly, as per regulation 31.4 read with regulation 31.5 of the JERC MYT Regulations 2023, interest on working capital loan is allowable on normative basis at interest rate of SBI MCLR rate (1-year) as on 01.04.2023 plus 200 basis points, relevant excerpt is reproduced here as follows:

> *"31.4 The interest on working capital shall be a payable on normative basis notwithstanding that the Licensee has not taken working capital loan from any outside agency or has exceeded the working capital loan based on the normative figures.*
>
> *31.5 The rate of interest on working capital shall be equal one (1) Year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI for the time being in effect applicable for one (1)Year period, as may be applicable as on 1st April of the Financial Year in which the Petition is filed plus 200 basis points."*

3.10.3. It is submitted that; the Petitioner does not intend to avail any actual loan for funding its working capital needs. However, as per the Regulations it is entitled to interest on working capital loan on normative basis.

3.10.4. As per regulation 31.3 of the JERC MYT Regulations 2023, norms of working capital for distribution wire business and retail supply business are as per chapter 6 and chapter 7 of these regulations. Relevant excerpt is reproduced here as follows:

> *"The norms for working capital for Distribution Wires Business and Retail Supply Business shall be as specified in Chapter 6 and Chapter 7 of these Regulations."*

3.10.5. Accordingly, as specified in regulation 53.1 of the JERC MYT Regulations 2023, normative working capital for distribution wire business consists of O&M expenses equivalent of 1 month, maintenance spares @ 40% R&M expenses for 1-month, receivable equivalent 2 months of the expected revenue from charges for use of distribution wires at the prevailing tariff less amount if held as security deposit. Further, proviso of the said regulation provides that working capital requirement is to be re-calculated on the basis of values of components of working capital approved in truing up. Relevant excerpt is reproduced here as follows:

> *"52.1 The Distribution Licensee shall be allowed interest on the estimated level of working capital for the Distribution Wires Business for the Financial Year, computed as follows:*
>
> *(a) O&M Expenses for one (1) month; plus*
>
> *(b) Maintenance spares at 40% of repair and maintenance expenses for one (1) month; plus*
>
> *(c) Receivables equivalent to two (2) months of the expected revenue from charges for use of distribution wires at the prevailing tariff;*
>
> *Less*
>
> *(d) Amount, if any, held as security deposits under clause (b) of sub-section (1) of Section 47 of the Act from distribution system users except the security deposits held in the form of Bank Guarantees:*

Provided that at the time of truing up for any Year, the working capital requirement shall be re-calculated on the basis of the values of components of working capital approved by the Commission in the truing up."

3.10.6. Regulation 66.1 of the JERC MYT Regulations 2023 specifies that, the working capital for Retail Supply Business shall be determined in accordance with Regulation 58 of the Regulations. However, Regulation 58 do not provide the norms for calculation of the normative working capital for the Retail Supply Business. In absence of the norms, the Petitioner has relied on the adopted JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018 for calculation of the normative working capital requirement of the retail supply business.

3.10.7. Since JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018 has similar provisions for deriving working capital for distribution wires business and retail supply business, working capital and interest on working capital is calculated for the Petitioner as a whole business. As regard the rate of interest, State Bank of India (SBI) MCLR rate applicable as on 01.04.2024 is 8.65% which is added with 200 basis points to arrive at applicable rate of interest of 10.65%.

3.10.8. Detailed calculations for normative interest on working capital are tabulated as follows:

Table 44: Normative Interest on Working Capital Requirement for FY 2025-26 (Rs. Crore)

Particulars	ARR (Rs. crores)
Computation of Working Capital	
O&M expenses	58.11
Maintenance Spares	0.96
Receivables	1058.42
Working Capital requirement	**1,117.49**
Less:	
Amount held as security deposit from Distribution System Users	0.00
Total Working Capital	**1,117.49**
Computation of working capital interest	
Interest Rate (%)	10.65%
Interest on Working Capital	**119.01**

3.10.9. The Hon'ble Commission is requested to approve normative Interest on working Capital for FY 2025-26.

3.11. Contribution to contingency reserves

3.11.1. It is submitted that the Petitioner has not planned any contribution towards contingency reserves for FY 2025-26.

3.12. Provision for bad and doubtful debts

3.12.1. In accordance with Regulation 65.1 of the JERC MYT Regulations 2023; the Petitioner claims 1% of the Annual Revenue Requirement towards provision for bad and doubtful debts. The Petitioner shall claim actual provision made towards bad and doubtful debts at the time of True up for the respective years.

3.13. Income Tax

3.13.1. The Petitioner submits that, it is claiming 'nil' income tax. However, the Petitioner reserves its right to approach the Hon'ble Commission to claim any future payment towards Income tax under Regulation 32 of the JERC MYT Regulations 2023.

3.14. Non-tariff income

3.14.1. The Petitioner had considered non-tariff income of Rs. 2.15 crore, in its Business Plan and MYT Petition. The Petitioner continues with the above said projection of the non-tariff income for FY 2025-26. The Petitioner would submit the actual value of non-tariff income (if any) at the time of True up of ARR of FY 2025-26.

3.15. Revised ARR Projections

3.15.1. In line with the above, summary of revised ARR of the Petitioner during FY 2025-26 as per the JERC MYT Regulations 2023 is tabulated as follows:

Table 45: Revised ARR projection of FY 2025-26 (in Rs. crores)

Sr. No.	Particulars	Projected ARR (Rs. crores)
1	Power Purchase Expenses	5,924.15
2	Operation & Maintenance Expenses	713.76
3	Depreciation	-
4	Interest & Finance Charges	-
5	Interest on Working Capital	119.01
6	Bad Debts written off	68.25
7	Contribution to contingency reserves	
8	**Total Revenue Expenditure**	**6,825.18**
9	Return on Equity Capital	**-**
10	Income Tax	-
11	**Aggregate Revenue Requirement**	**6,825.18**
12	Less: Non-Tariff Income	2.15
13	Less: Income from Other Business	-
14	**Aggregate Revenue Requirement of Distribution Business**	**6,823.03**

3.15.2. The Petitioner requests the Hon'ble Commission to approve the revised ARR projections for FY 2025-26.

3.16. Estimate of Revenue at Existing Tariff

3.16.1. Based on the forecast of consumer category-wise no. of consumers, connected load and sales the Petitioner has worked out estimate of revenue at existing tariff for FY 2025-26. The revenue estimate at existing tariff (i.e. tariff notified and effective vide Order No. JERC/13 of 2023 dated 24 November 2023 from 1st December 2023) at 100% collection efficiency is as follows:

Table 46: Estimated revenue at existing tariff at 100% collection efficiency (Rs. in crores)

Consumer category	Amount (Rs. crores)
Domestic	1843.78
Non-Domestic/Commercial	291.26
State/Central Govt department	392.31
Agriculture	25.45
Public Street Lighting	16.09
LT Public Water Works	35.16
HT Public Water Works	71.87
LT Industrial Supply	55.98
HT Industrial Supply	187.99
HT PIU	0.91
Bulk Supply	54.84
Electric Vehicle (EV) Charging Station	6.90
Traction	5.00
Total	**2987.54**

3.16.2. However, it is important to note that 100% collection efficiency is an ideal condition. In reality, the collection efficiency is lower than 100%. The Petitioner has projected that it will be able to achieve collection efficiency of 93% in FY 2025-26. Accordingly, the Petitioner has projected realistic revenue at 93% collection efficiency for FY 2025-26. The same is as follows:

Table 47: Estimated revenue at existing tariff at 93% collection efficiency (Rs. in crores)

Consumer category	Amount (Rs. crores)
Domestic	1659.40
Non-Domestic/Commercial	262.14
State/Central Govt department	353.08
Agriculture	22.91
Public Street Lighting	14.48
LT Public Water Works	31.64
HT Public Water Works	64.69

Consumer category	Amount (Rs. crores)
LT Industrial Supply	50.39
HT Industrial Supply	169.19
HT PIU	0.82
Bulk Supply	49.36
Electric Vehicle (EV) Charging Station	6.21
Traction	4.50
Total	**2688.79**

3.16.3. The Petitioner requests the Hon'ble Commission to approve the above estimate of revenue at existing tariff at 100% collection efficiency and realistic estimate of revenue at existing tariff at 93% collection efficiency.

3.17. Estimate of Revenue Gap/ (Surplus) for FY 2024-25

3.17.1. Based on the estimate of ARR for FY 2025-26 and estimate of revenue at existing tariff at 93% collection efficiency at Section 2.16 the estimate of revenue gap/ (surplus) is as follows:

Table 48: Estimate of Revenue Gap/ (Surplus) (in Rs. crores)

Particulars	Amount
Revised Projected ARR	6,823.03
Estimated Revenue at Existing Tariff @ realistic collection efficiency	2,688.79
Revenue Gap/ (Surplus)	**4,134.24**

3.17.2. The Petitioner requests the Hon'ble Commission to approve the above revenue gap.

4. Chapter 4: Tariff Proposal of FY 2025-26

4.1. Regulatory framework

4.1.1. Regulation 70 of the JERC MYT Regulations 2023 provides the regulatory framework for determination of retail supply tariff. The relevant extracts are reproduced below:

"70. Determination of Tariff

70.1 The Commission may categorize Consumers on the basis of their load factor, power factor, voltage, total consumption of electricity during any specified period or the time at which the supply is required or the geographical position of any area, the nature of supply and the purpose for which the supply is required and any other factor as considered appropriate by the Commission.

70.2 The Commission shall endeavor to determine cost of supply for each category/ sub-category of Consumers.

70.3 The Commission shall endeavor to reduce gradually the cross-subsidy between Consumer categories with respect to the cost of supply in accordance with the provisions of the Act.

70.4 The tariff proposal by Licensee and the tariff determination by the Commission shall be based on the following principles:

a) The tariff for all categories shall preferably be two parts, consisting of fixed and variable charges.

b) The fixed charges in tariff shall progressively reflect actual fixed cost incurred by Distribution Licensee;

c) The overall retail supply tariff for different Consumer categories shall progressively reflect the cost of supply for respective categories of Consumers;

d) The tariff for residential Consumers shall be set considering the affordability of tariff for various class of Consumers;

e) The tariff shall be set in such a manner that it may not present a tariff shock to any category of Consumers."

4.1.2. The Hon'ble Commission vide its Order No. JERC/6 of 2022 dated 13th October 2022 approved full cost tariff and subsidized tariff for FY 2022-23 effective immediately from the date of the Order. This tariff was effective from 13th October 2022 till 30th November 2023.

4.1.3. The Hon'ble Commission vide its Order No. JERC/ 13 of 2023 dated 24 November 2023 approved subsidized tariff for FY 2023-24 effective from 1st December 2023 onwards.

4.1.4. The Petitioner has filed its petition for ARR and Tariff for FY 2024-25 which has been admitted by the Commission. No Order has been passed by the Commission in this respect. In lieu of this the Petitioner has continued to levy subsidized tariff approved by the Hon'ble Commission vide Order No. JERC/ 13 of 2023 dated 24 November 2023 for FY 2024-25.

4.1.5. Regulation 20 of the JERC MYT Regulations 2023 provides the regulatory framework for consideration of the subsidy mechanism. The relevant extracts are reproduced below:

"***20. Subsidy Mechanism***

20.1 If the Government requires to grant any subsidy to any Consumer or class of Consumers in the tariff determined by the Commission, the Government shall, notwithstanding any direction which may be given under Section 108 of the Act, pay in advance the amount to compensate the Distribution Licensee/person affected by the grant of subsidy, as a condition for the Licensee or any other person concerned to implement the subsidy provided for by the Government, in the manner specified in these Regulations:

Provided that no such direction of the Government shall be operative if the payment is not made in accordance with the provisions contained in these Regulations, and the tariff fixed by the Commission shall be applicable from the date of issue of orders by the Commission in this regard.

In Case the UT Government decide to extend financial support /subsidy in the form of grant in aid support to the power utilities till it achieves turnaround in T&D sector as envisaged in the 'Financial Feasibility Plan for the distribution utilities of UT of J&K and UT of Ladakh' prepared by the Committee constituted by JKPDD, Government of J&K vide order No 164-PDD of 2019 dated 20th September 2019. The Commission shall factor in such grant in support in tariff computation and construed it as tariff related revenue subsidy provided under Section 65 of the Electricity Act 2003. It is desirable that the UT Government shall provide the subsidy to the intended class of consumer as envisaged in Section 65 of the Electricity Act."

4.1.6. The Petitioner submits that, the UT Government/ Administration would announce subsidy/ financial support/ grant in aid support to the power utilities in the UT of Jammu & Kashmir for FY 2025-26 only after the budget exercise is completed which normally happens in the month of February - March. Therefore, in absence of the quantum of subsidy/ grant in aid, the Petitioner has worked out Full Cost Tariff for FY 2025-26. The Petitioner requests the Hon'ble Commission to factor in the subsidy/ grant-in-aid support as and when same is announced by the UT Government to approve the subsidized tariff.

4.2. Wheeling Charge

4.2.1. Regulation 55 of the JERC MYT Regulations 2023 specifies that, the Commission shall specify the wheeling charge of distribution wires business. The extract of the Regulation is as follows:

"***55. Determination of wheeling Charges***

55.1 The Commission shall specify the Wheeling Charge of Distribution Wires Business of the Distribution Licensee in its Order passed under sub-section (3) of Section 64 of the Act:

Provided that the revenue from wheeling charges paid by the distribution system users other than the retail Consumers under the above proviso shall be used to reduce the Aggregate Revenue Requirement of the Distribution Wires Business to be recovered from the retail Consumers of the concerned Distribution, as amended from time to time."

4.2.2. Further, Regulation 7.1 and 7.2 of the JERC MYT Regulations 2023 specifies that, the ARR for Distribution Wires Business shall be used to determine the wheeling charges. The extract of the Regulation is as follows:

"*7.1 The Distribution Licensee shall segregate the accounts of the Licensed Business into Distribution Wires Business and Retail Supply Business. The ARR for Distribution Wires Business shall be used to determine wheeling charges. The ARR for Retail Supply Business, which shall include the ARR for Distribution Wires Business, in accordance with Regulation 58, shall be used to determine retail supply tariff.*

7.2 For such period until accounts are segregated, the Licensees shall use the Allocation Statement provided in Regulation 49.1 to apportion costs and revenues to respective businesses."

4.2.3. It is submitted that the Petitioner has not segregated the accounts into Distribution wires business and retail supply business. Accordingly, the Petitioner has considered following allocation statement in line with the provisions of Regulation 49.1 of the JERC MYT Regulations 2023.

Table 49: Allocation Statement for segregation of Distribution Wires Business and Retail Supply Business

Particulars	Wires Business (%)	Retail Supply Business (%)
Power Purchase Expenses	0%	100%
Inter-State Transmission Charges	0%	100%
Intra-State Transmission Charges	0%	100%
Employee Expenses	40%	60%
Administration & General Expenses	50%	50%
Repair & Maintenance Expenses	90%	10%
Capital Cost	90%	10%

Particulars	Wires Business (%)	Retail Supply Business (%)
Depreciation	90%	10%
Interest on Long-term Loan Capital	90%	10%
Interest on working capital and on consumer security deposits	10%	90%
Bad Debts Written off	0%	100%
Income Tax	90%	10%
Non-Tariff Income	10%	90%
Income from Other Business	50%	50%

4.2.4. In line with the method followed by Hon'ble Commission in its Order No. JERC/ 13 of 2023 dated 24 November 2023 the Petitioner has considered consolidated ARR of Distribution Wires Business of JPDCL and KPDCL. Further, the Petitioner has allocated O&M costs in 90:10 proportion and other costs as well as non-tariff income in proportion of 50:50 to arrive at the wheeling charge for LT and HT separately.

Table 50: Calculation for arriving at wheeling charge for LT and HT consumers

Particulars	KPDCL		JPDCL		Consolidated (JPDCL+KPDCL)	
	LT	HT	LT	HT	LT	HT
Operation & Maintenance Expenses	247.81	27.53	198.26	22.03	446.07	49.56
Interest on Working Capital	5.87	5.87	4.66	4.66	10.53	10.53
Less: Non-Tariff Income	0.11	0.11	0.06	0.06	0.17	0.17
Aggregate Revenue Requirement of Wires Business	**253.57**	**33.29**	**202.86**	**26.63**	**456.43**	**59.92**
Billed Energy (MU)	**6091.47**	**635.48**	**4918.34**	**1557.25**	**11009.82**	**2192.73**
Wheeling Charge (Rs./ kWh)					**0.41**	**0.27**

4.2.5. The Petitioner requests the Hon'ble Commission to approve the above wheeling charge separately for LT and HT.

4.3. Implementation of Time of Day (ToD) Tariff for all consumer categories except the Agricultural consumer category

4.3.1. The Ministry of Power, Government of India vide notification no. G.S.R. 437(E) dated 14th June 2023 published the Electricity (Rights of Consumers) Amendment Rules, 2023. The rules are submitted as **Annexure-4**. The rules inserted following provisions:

"*(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 at least 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." {**Emphasis Added**}

4.3.2. The Petitioner submits that, currently, HT-Industrial Supply, HT PIU, Bulk Supply, EV Charging Station and Traction categories have surcharge of 20% and rebate of 10% in line with the above provisions.

4.3.3. In line with the Electricity (Rights of Consumers) Amendment Rules, 2023 the Petitioner requests, the Hon'ble Commission to make applicable ToD Tariff to all consumer categories except Agriculture category.

4.4. Levy of Penalty for exceeding Contract demand/ Maximum demand for consumers with smart meters

4.4.1. The Petitioner submits that, the existing provision regarding levy of penalty on consumer who exceed the contract demand/ maximum demand is as follows:

"*Any consumer having energy meter with Maximum Demand Indicators (MDI) installed, found to have actual load drawn greater than the contracted demand shall be levied fixed/ demand charges/ for the excess load at twice the normal rate. The energy charges for consumption proportionate to the excess demand shall also be billed at twice the normal rate. In cases where no MDI is installed, the excess load shall be billed as per provisions given in Supply Code Regulations and its amendments in force.*"

4.4.2. The Petitioner submits that, the above provision is implemented for consumers without smart meters by levying a penalty in the form of fixed/ demand charges for excess load at twice the normal rate for the entire period for which the bill is generated/ calculated. In case of consumers with smart meters, the Petitioner carries out daily reconciliation of

energy consumed and outstanding balance. Further, it is possible to verify whether the consumer exceeded the contract demand/ maximum demand during the day or not.

4.4.3. The Petitioner submits that, Electricity (Rights of Consumers) Amendment Rules, 2023 (submitted as **Annexure-4**) has following provision regarding levy of penalty on discovery of higher connected load for a consumer with smart meters:

"*(5B) In case maximum demand recorded by the smart meter exceeds the Sanctioned Load in a month, the bill, for that billing cycle, shall be calculated based on the actual recorded maximum demand and consumers shall be informed of this change in calculation through Short Message Service or mobile application:*

Provided that the revision of the Sanctioned Load, if any, based on the actual recorded maximum demand shall be as under:

(a) in case of increase in recorded maximum demand, the lowest of the monthly maximum demand, where the recorded maximum demand has exceeded the sanctioned load limit atleast three times during a financial year, shall be considered as the revised Sanctioned Load, and the same shall be automatically reset from the billing cycle in next financial year; and

(b) in case of reduction of maximum demand, the revision of sanctioned load shall be done in accordance with the Supply codes/ Standard Operating Procedures issued by the respective Regulatory Commission."

4.4.4. In the above context the Petitioner submits that, for consumers with smart meters the penalty for exceeding the contract demand/ maximum demand shall be calculated for the day (during which the actual load drawn is greater than the contracted demand) and the Petitioner shall indicate the calculations to the consumers through its App. Further, the procedure for revision of the Sanctioned Load shall be as per the Electricity (Rights of Consumers) Amendment Rules, 2023. The Petitioner requests the Hon'ble Commission to take on record above requests of the Petitioner and approve the same.

4.5. Full Cost Retail Supply Tariff for FY 2025-26

4.5.1. The Petitioner does not propose any change in the no. of Tariff categories, slabs , rebate/ surcharge, applicability, and character of services as against the same notified by the Hon'ble Commission in its Order No. JERC/ 13 of 2023 dated 30 November 2023.

4.5.2. The Petitioner has considered the ARR for the Distribution Wires Business and Retail Supply Business to determine the Retail Supply Tariff in accordance with Regulation 7.1 of the JERC MYT Regulations 2023.

Philosophy behind the Full Cost Tariff calculations for FY 2025-26:

4.5.3. The Hon'ble Commission directed the Petitioner as follows:

"*The Commission feels that the fixed charges and energy charges recovered from consumers should reflect the fixed and energy charges payable by DISCOMs to the generators. The Commission expects the DISCOMs to carry out above exercise and propose the category of fixed charge and energy charge to be recovered from consumer accordingly.*"

4.5.4. Further, the Regulation 70.4 of the JERC MYT Regulations 2023 specifies the principles on which the tariff proposal of the Petitioner and the tariff determination by the Hon'ble Commission shall be based upon.

"*70.4 The tariff proposal by Licensee and the tariff determination by the Commission shall be based on the following principles:*

a) The tariff for all categories shall preferably be two parts, consisting of fixed and variable charges.

b) The fixed charges in tariff shall progressively reflect actual fixed cost incurred by Distribution Licensee;

c) The overall retail supply tariff for different Consumer categories shall progressively reflect the cost of supply for respective categories of Consumers;

d) The tariff for residential Consumers shall be set considering the affordability of tariff for various class of Consumers;

e) The tariff shall be set in such a manner that it may not present a tariff shock to any category of Consumers."

4.5.5. In line with the above principles the Petitioner has proposed Full Cost Tariff wherein tariff for the metered consumers is in two parts viz. demand charges and energy charges.

4.5.6. For the metered consumer categories the Petitioner has worked out Full cost tariff. The rationale behind the full cost tariff is that the overall average billing rate (ABR) at 100% collection efficiency shall be equal to the Average Cost of supply (ACoS). The tariff charged to any consumer category is normally two-part tariff (except to the unmetered categories). Thus, for any consumer category if its ABR (which is a function of the two-part tariff and billing determinants (e.g. sanctioned load, no. of consumers, energy sales)) equals the ACoS the tariff is full cost reflective.

4.5.7. As for the unmetered consumer categories viz. Domestic – unmetered, Non-Domestic/ Commercial – unmetered and Agriculture - unmetered, since the actual energy sales are not recorded it is not possible to calculate the ABR. Therefore, considering this limitation the

Petitioner has proposed the Full Cost Tariff same as that approved by the Hon'ble Commission vide its Order No. . JERC/ 13 of 2023 dated 30 November 2023

4.5.8. Further, the tariff notified by the Hon'ble Commission is for the entire UT of J&K comprising consumers supplied by the Licensees JPDCL and KPDCL. The consumer mix and the billing determinants of the two licensees i.e. mix of consumer category wise sanctioned load, no. of consumers and energy sales is diverse for the two licensees. Therefore, the Full Cost Tariff shall be capable of recovering the total ARR of JPDCL and KPDCL combined together i.e. the consolidated Average Billing Rate (ABR) of the two utilities shall be equal to the consolidated Average Cost of Supply (ACoS) for JPDCL and KPDCL.

4.5.9. The ACoS so determined is divided in to two parts (i) fixed part of the ACoS that covers the capacity charges and other charges of power purchase cost as well as other ARR components such as O&M expenses, interest on working capital etc. and (ii) variable part of the ACoS that covers the energy charges (which are variable in nature) of the power purchase cost.

4.5.10. The above exercise is undertaken to compare:

- the fixed part of the ACoS with the ABR derived from demand charges which are of fixed in nature and
- variable part of the ACoS with the ABR derived from energy charges which are of variable in nature.

4.5.11. The aim of the above exercise is to gradually increase the demand charges so that, the fixed charges in tariff shall progressively reflect actual fixed cost incurred by the Petitioner.

1.1.2. The following table provides the consolidated ACoS of JPDCL and KPDCL for FY 2025-26.

Table 51: Average Cost of Supply for UT of J&K in FY 2025-26

Average Cost of Supply	FY 2024-25				
	JPDCL	KPDCL	JPDCL+KPDCL	ACoS (Rs./ kWh)	%
Total units billed/ sales (in MU)	6451.00	6726.95	13177.95		
Fixed component of ARR (Rs. Cr.)	2368.54	3158.03	5526.57	4.19	46.19%
Variable component of ARR (Rs. Cr.)	2774.12	3665.00	6439.12	4.89	53.81%
Total ARR (Rs. Cr.)	**5142.66**	**6823.03**	**11965.69**	**9.08**	**100.00%**

4.5.12. Thus, the Full Cost Tariff shall achieve overall ABR equal to ACoS of Rs. 9.08/ kWh. It may be noted that at consolidated level, the ACoS comprises of Rs. 4.19/ kWh of fixed component (representing the fixed portion of the ARR consisting of capacity charges and other charges paid to the generators, O&M expenses, Interest on working capital etc.) and Rs. 4.89/ kWh of variable component (consisting of the energy charges which is the only variable charge

the utilities bear towards power procurement). Thus, in the ideal scenario, the utilities should recover 46.19% of the consolidated ARR from fixed charges/ demand charges and 53.81% of the consolidated ARR from energy charges.

4.5.13. The table below shows the ABR derived from the existing subsidized tariff applicable for JPDCL and KPDCL on a consolidated basis.

Table 52: Proportion of recovery of fixed and variable part of ABR based on existing subsidized tariff

Consumer Category	ABR as per Existing Tariff for FY 2024-25				
	ABR (FC+DC) (Rs./ kWh)	ABR (VC) (Rs./ kWh)	Total ABR (Rs./ kWh)	ABR (FC+DC) as % of total ABR	ABR (VC) as % of total ABR
Domestic - Metered	0.0007	3.7406	3.74	0.02%	99.98%
Non-Domestic/Commercial – Metered	0.0105	5.5741	5.58	0.19%	99.81%
State/Central Govt department	0.0095	7.9000	7.91	0.12%	99.88%
Agriculture	0.0022	5.8041	5.81	0.04%	99.96%
Public Street Lighting	0.0021	7.6998	7.70	0.03%	99.97%
LT Public Water Works	0.0010	8.6000	8.60	0.01%	99.99%
HT Public Water Works	0.0339	8.0679	8.10	0.42%	99.58%
LT Industrial Supply	0.0189	4.2000	4.22	0.45%	99.55%
HT Industrial Supply	0.0137	4.0526	4.07	0.34%	99.66%
HT PIU	0.0173	4.9529	4.97	0.35%	99.65%
Bulk Supply	0.0248	5.5843	5.61	0.44%	99.56%
Electric Vehicle (EV) Charging Station	0.0000	6.9000	6.90	0.00%	100.00%
Traction	0.0848	5.4000	5.48	1.55%	98.45%

4.5.14. In the above table ABR (FC+DC) represents the Average Billing Rate derived based on revenue from Fixed Cost and Demand charges while ABR (VC) represents the Average Billing Rate derived based on revenue from Energy Charge. From the above table it may be observed that the existing subsidized tariff recovers less than 1% of total ABR for each of the consumer category through the Fixed charges/ demand charges while more than 99% recovery of ABR happens through the energy charges. Thus, in the existing tariff there is an imbalance in the fixed charges/ demand charges and energy charges which needs to be corrected gradually over the future years.

Proposed Full Cost Tariff Schedule for FY 2025-26

4.5.15. As detailed in the above sub-section, the Petitioner has strived to follow the principles as laid by the Hon'ble Commission in JERC MYT Regulations 2023. Accordingly, the Petitioner has worked out Full Cost Tariff schedule for FY 2025-26. **It may be noted that, subsidy/ grant-in-aid support as announced by the UT Administration/ Government at the time of budget needs to be considered/ applied on the Full Cost Tariff schedule to arrive at the Subsidized Tariff.**

4.5.16. The table below provides the proposed Full Cost Tariff Schedule for FY 2025-26:

Table 53: Full Cost tariff for FY 2025-26

Particulars	Unit	Full Cost Tariff for FY 2025-26
Domestic		
Below Poverty Line (Consumption up to 50 units/ month)		
Energy Charges	Rs./ kWh	3.00
Fixed Charges	Rs./ kW or part thereof/ month	30.00
Metered		
Up to 200 units per month	Rs./ kWh	6.50
201-400 units per month	Rs./ kWh	7.00
>400 units per month	Rs./ kWh	8.50
Fixed Charges	Rs./kW or part thereof/ month	40.00
Un Metered		
up to 1/4 kW	Rs./ month	380.00
Above ¼ kW up to 1/2 kW	Rs./ month	800.00
Above ½ kW up to 3/4 kW	Rs./ month	1100.00
Above ¾ kW up to 1 kW	Rs./ month	1370.00
Above 1 kW up to 2 kW	Rs./ month	Rs 1370+260 for every additional 1/4 kW or part thereof up to 2 kW
Above 2 kW	Rs./ month	Rs 2840+650 for every additional 1/4 kW or part thereof up to 2 kW
Non-Domestic/ Commercial		
Metered Connection		
Single Phase		
Up to 200 units/month	Rs./ kWh	8.90

Particulars	Unit	Full Cost Tariff for FY 2025-26
201-500 units/month	Rs./ kWh	9.00
>500 units per month	Rs./ kWh	9.10
Three phase - For all units	Rs./ kVAh	9.25
Fixed Charges		
Single Phase	Rs./kW/month	150.00
Three phases	Rs./ kVA/ month	300.00
Un Metered		
Up to 1/4 kW	Rs./ month	800.00
>1/4-1/2 kW	Rs./ month	1600.00
>1/2 - 3/4 kW	Rs./ month	2400.00
>3/4 - 1 kW	Rs./ month	3200.00
Above 1 kW and part thereof for every kW above 1 kW	Rs./ month	3200 + 650 for every additional 1/4 kW or part thereof above 1kW
State/ Central Govt department		
Energy Charges (Rs/kWh)		
LT	Rs./ kVAh	9.50
11 kV supply*	Rs./ kVAh	9.50
33 kV supply and above**	Rs./ kVAh	9.40
Fixed Charges		
For metered consumers	Rs./ kVA/ month	100.00
*2.5% rebate on energy charges.		
**5.0% rebate on energy charges.		
Agriculture		
Metered		
Energy Charges		
0-10 HP	Rs./ kWh	6.00
11-20 HP	Rs./ kWh	8.00
Above 20 HP	Rs./ kWh	9.00
Fixed Charges for connected load		
0-10 HP	Rs./ HP/ month	45.00
11-20 HP	Rs./ HP/ month	60.00
Above 20 HP	Rs./ HP/ month	100.00
Un Metered		
0-10 HP	Rs./ HP/ month	425.00

Particulars	Unit	Full Cost Tariff for FY 2025-26
11-20 HP	Rs./ HP/ month	457.00
Above 20 HP	Rs./ HP/ month	3000.00
Public Street Lighting		
Metered connection		
Energy Charge	Rs./ kWh	10.00
Fixed Charge	Rs./kW	200.00
Unmetered connection	Rs./ kW/ month or part thereof	4550.00
LT Public water works		
Energy Charge	Rs./ kWh	10.00
Fixed Charge	Rs./kW/month	200.00
HT Public water works		
11 KV supply		
Energy Charge	Rs./ kVAh	10.00
Demand Charge	Rs./ kVA/ month	300.00
33 KV supply and above		
Energy Charge	Rs./ kVAh	9.50
Demand Charge	Rs./kVA/month	300.00
LT Industrial supply		
LTIS- I (For all metered consumers except those covered under LTIS-II		
For consumers with connected load < 50 kW		
Energy Charge	Rs./ kVAh	9.50
Fixed Charge	Rs./ kVA/ month	300.00
For consumers with connected load > 50 kW		
Energy Charge	Rs./ kVAh	9.25
Fixed Charge	Rs./ kVA/ month	300.00
LTIS II (For all metered consumers and having load above 15 HP)		
Energy Charge	Rs./ kVAh	9.25
Fixed Charge	Rs./ kVA/ month	200.00
HT Industrial supply		
11 KV supply		
Energy Charge	Rs./ kVAh	9.25
Demand Charge	Rs./ kVA/ month	400.00

Particulars	Unit	Full Cost Tariff for FY 2025-26
33 KV and above supply for Industry		
Energy Charge	Rs./ kVAh	9.00
Demand Charge	Rs./ kVA/ month	600.00
TOD Tariff for 33 kV and above: Surcharge/ rebate: 10%		
HT PIU		
11 KV supply		
Energy Charge	Rs./ kVAh	9.00
Demand Charge	Rs./ kVA/ month	300.00
33 KV supply and above. (ToD tariff)		
Energy Charge	Rs./ kVAh	8.75
Demand Charge	Rs./ kVA/ month	300.00
TOD Tariff: Surcharge/ rebate: 10%		
Bulk supply		
11 KV supply		
Energy Charge	Rs./ kVAh	9.00
Demand Charge	Rs./ kVA/ month	300.00
33 KV supply and above		
Energy Charge	Rs./ kVAh	8.75
Demand Charge	Rs./ kVA/ month	300.00
TOD Tariff for 33 kV and above: Surcharge/ rebate: 10%		
Electric Vehicle Charging Station		
LT Supply		
Energy Charge	Rs./ kVAh	9.10
Demand Charge	Rs./ kVA/ month	0.00
11 KV supply		
Energy Charge	Rs./ kVAh	9.05
Demand Charge	Rs./ kVA/ month	0.00
33 kV Supply		
Energy Charge	Rs./ kVAh	8.95
Demand Charge	Rs./ kVA/ month	0.00
TOD Tariff: Surcharge/ rebate: 10%		
Traction		
11 kV/ 33 kV and above supply		
Energy Charge	Rs./ kVAh	5.40

Particulars	Unit	Full Cost Tariff for FY 2025-26
Demand Charge	Rs./ kVA/ month	300.00
TOD Tariff only for 33 kV: Surcharge: 20% and rebate: 10%		

For ToD tariff peak hours will be considered as 0600-0800 Hrs. and 1800-2200 Hrs. (total 6 hours) and off-peak hours will be 2300-0500 Hrs. (total 6 hours). Surcharge will be applicable during the peak hours and rebate will be applicable during off-peak hours. The Petitioner requests the Hon'ble Commission to approve the proposed tariff.

4.5.17. The above Full Cost Tariff achieves consolidated ABR equal to the ACoS (achieving he full cost tariff) and also maintains the cross subsidies within ± 20% of the ACoS as per the Tariff Policy. The following table provides the details of consumer category-wise ABR derived based on the Full Cost Tariff and level of cross subsidization across the consumer categories.

Table 54: Consolidated ABR based on Full Cost Tariff and level of cross subsidy

Consumer Category	Consolidated ABR (JPDCL+KPDCL) based on Full Cost Tariff (Rs./ kWh)	ABR as % of ACoS (Level of cross subsidy)
Domestic – Metered	7.65	84.24%
Non Domestic/Commercial - Metered	9.41	103.62%
State/Central Govt department	9.69	106.70%
Agriculture – Metered	7.62	83.90%
Public Street Lighting	9.02	99.37%
LT Public Water Works	10.03	110.52%
HT Public Water Works	12.19	134.29%
LT Industrial Supply	10.14	111.72%
HT Industrial Supply	9.92	109.28%
HT PIU	16.88	185.92%
Bulk Supply	11.35	125.01%
Electric Vehicle (EV) Charging Station	9.05	99.67%
Traction	100.77	1109.74%
Total	**9.10**	**100.22%**

4.5.18. Further the above proposed Full Cost Tariff leads to below shown recovery of ABR through the fixed tariff/ demand charges and through the energy charges reducing the imbalance of recovery through the fixed/ demand charges and energy charges as compared to the existing the tariff.

Table 55:Proportion of recovery of fixed and variable part of ABR based on proposed full cost tariff

Consumer Category	ABR as per Proposed Full Cost Tariff for FY 2024-25				
	ABR (FC+DC) (Rs./ kWh)	ABR (VC) (Rs./ kWh)	Total ABR (Rs./ kWh)	ABR (FC+DC) as % of total ABR	ABR (VC) as % of total ABR
Domestic - Metered	0.0352	7.61	7.65	0.46%	99.54%
Non-Domestic/ Commercial - Metered	0.6338	9.16	9.80	6.47%	93.53%
State/Central Govt department	0.2383	9.45	9.69	2.46%	97.54%
Agriculture	0.0492	6.59	6.64	0.74%	99.26%
Public Street Lighting	0.0700	8.95	9.02	0.78%	99.22%
LT Public Water Works	0.0349	10.00	10.03	0.35%	99.65%
HT Public Water Works	2.6041	9.59	12.19	21.36%	78.64%
LT Industrial Supply	0.7706	9.37	10.14	7.60%	92.40%

Consumer Category	ABR as per Proposed Full Cost Tariff for FY 2024-25				
	ABR (FC+DC) (Rs./ kWh)	ABR (VC) (Rs./ kWh)	Total ABR (Rs./ kWh)	ABR (FC+DC) as % of total ABR	ABR (VC) as % of total ABR
HT Industrial Supply	0.7915	9.13	9.92	7.98%	92.02%
HT PIU	8.1171	8.76	16.88	48.08%	51.92%
Bulk Supply	2.4297	8.92	11.35	21.40%	78.60%
Electric Vehicle (EV) Charging Station	0.0000	9.05	9.05	0.00%	100.00%
Traction	95.3653	5.40	100.77	94.64%	5.36%

4.5.19. From the above table it may be seen that, the proposed full cost tariff shows gradual shift towards balanced recovery of fixed part and variable part of the ABR through fixed/ demand charges and energy charges respectively.

4.5.20. The Petitioner requests the Hon'ble Commission to approve the proposed full cost tariff, factor the subsidy/ grant-in-aid support as and when it is announced by the UT Government/ Administration and approve the Full Cost Retail Supply Tariff and Subsidized Retail Supply tariff for FY 2025-26.

5. Prayers

A. Accept and admit the petition for Annual Performance Review (APR) of FY 2024-25, Aggregate Revenue Requirement (ARR) of FY 2025-26 and Tariff Proposal for FY 2025-26 which is in line with the principles laid by MYT Regulations 2023 as notified by the Hon'ble Commission,

B. Approve the Annual Performance Review (APR) of FY 2024-25, Aggregate Revenue Requirement (ARR) of FY 2025-26 and Tariff Proposal for FY 2025-26,

C. Approve the proposed wheeling charge proposed for LT and HT consumers separately.

D. Approve the Full cost retail supply tariff for FY 2025-26, consider the subsidy/ grant-in-aid support as and when announced by UT Administration/ Government and approve the subsidized retail supply tariff for FY 2025-26.

E. Condone the delay in filing of the Tariff Petition.

F. Grant any other relief as the Hon'ble Commission may consider appropriate.

G. The Petitioner craves leave of the Hon'ble Commission to allow further submission, addition and alteration to this petition as may be necessary from time to time.

H. Condone any inadvertent omissions/errors/shortcomings and permit the Petitioner to add/change/modify/alter this fling and make further submissions as may be required at a future date.

I. To pass any other Order as the Hon'ble Commission may deem fit and appropriate under the circumstances of the case and in the interest of justice.

List of Annexures:

Table 56: List of Annexures to the Petition

Sr. No.	Annexure #	Particulars
1	Annexure-1	Statement with details of O&M expenses of the Petitioner for H1 of FY 2024-25
2	Annexure-2	Forms
3	Annexure-3	Q1 FY 2024-25 Energy Accounts of KPDCL
4	Annexure-4	Electricity (Rights of Consumers) Amendment Rules, 2023