

Joint Electricity Regulatory Commission for UT of Jammu & Kashmir and UT of Ladakh



ORDER No. 05 of 2025

**Annual Performance Review of FY 2023-24, Aggregate Revenue Requirement of FY
2024-25 and Retail Supply Tariff Determination for FY 2024-25**

for

**Jammu Power Distribution Corporation Ltd and
Kashmir Power Distribution Corporation Ltd.**

Jammu/Kashmir

24-03-2025

Joint Electricity Regulatory Commission for UT of J&K and UT of Ladakh

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**Before the
Joint Electricity Regulatory Commission for UT of Jammu & Kashmir &
UT of Ladakh**

Petition of JERC/03 of 2024 & JERC/04 of 2024

In The Matter of:

Approval of Annual Performance Review of FY 2023-24, Aggregate Revenue Requirement of FY 2024-25 and Retail Supply Tariff Determination for FY 2024-25 for Jammu Power Distribution Corporation Ltd and Kashmir Power Distribution Corporation Ltd.

And

In The Matter of:

Jammu Power Distribution Corporation Ltd.
and
Kashmir Power Distribution Corporation Ltd

Coram:

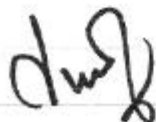
Shri. Mohd. Rafi Andrabi, Chairman

Order No. 05 of 2025

(Passed on 24-03-2025)



1. This Order relates to the approval of the Annual Performance Review (APR) of FY 2023-24, the determination of Aggregate Revenue Requirement (ARR) for FY 2024-25 and the determination of Retail Supply Tariff (RST) for FY 2024-25 filed by the Jammu Power Distribution Corporation Limited (hereinafter referred to as JPDCL or the Petitioner) and Kashmir Power Distribution Corporation Limited (hereinafter referred to as KPDCL or the Petitioner) before the Joint Electricity Regulatory Commission for Union Territory (UT) of Jammu & Kashmir (J&K) & UT of Ladakh (hereinafter referred to as JERC or the Commission). The Petitions were filed as per the adopted regulations of JERC for the State of Goa and Union Territories, namely Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018 and 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.
2. The Jammu & Kashmir Reorganization Act, 2019 (hereinafter "J&K Reorganization Act" or "Reorganization Act") 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 enactment of the Jammu and Kashmir Reorganization Act, 2019 and the repeal of the Jammu and Kashmir Electricity Act, 2010, the Central Electricity Act, 2003 was made applicable to the UT of Jammu and Kashmir and UT of Ladakh.
3. Consequent to the approval of the State Administrative Council of J&K, the Power Development Department of Jammu and Kashmir (JK-PDD) was unbundled into several Power Corporations on 23rd October 2019 vide Government Order No. 191-PDD of 2019. The unbundling involved the incorporation of JPDCL and KPDCL for handling the distribution business in Jammu and Kashmir respectively.
4. After the constitution of the Joint Electricity Regulatory Commission for UT of Jammu & Kashmir & UT of Ladakh, 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". The Commission adopted "Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018" (henceforth 'JERC MYT regulations, 2018') applicable for the determination of tariff for all the Generation companies, Transmission Licensees and Distribution Licensees in UT of J&K and UT of Ladakh. Subsequently, the Commission through a Suo-Motu order dated 01.12.2021 extended the control period of JERC Goa and UTs MYT Regulations 2018 (which was applicable from FY 2019-20 to FY 2021-22) to 5 years control period with effect from FY 2021-22 to FY 2025-26. Following the due regulatory process, the Commission issued a tariff order for FY 2022-23 vide its order dated 13.10.2022 in Order No JERC/6 of 2022 (in Petition No JERC/P/02 of 2022 and JERC/P/03 of 2022).
5. Subsequently, the Petitioners (JPDCL and KPDCL) submitted the tariff petitions for Business Plan for FY 2023-24 to FY 2025-26, the Multi-Year Tariff (MYT) for the period from FY 2023-24 to FY 2025-26 and the tariff proposal for FY 2023-24. The Commission vide its Order No. JERC/13 of 2023 dated 24.11.2023 approved the Business Plan and MYT for the period from



- FY 2023-24 to FY 2025-26 and Tariff for FY 2023-24 (Petition No JERC/P/08 of 2023 and JERC/P/09 of 2023).
6. Further, the Commission vide its notification No. JERC-JKL/Reg/2023/13 dated 10.11.2023 notified the 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'].
 7. The Petitioners (JPDCL & KPDCL) submitted the present Petitions on determination of APR for FY 2023-24 and ARR for FY 2024-25. During a detailed analysis of the Petitions, the Commission observed several information gaps and discrepancies, for which additional information was requested from the Petitioners (JPDCL & KPDCL). The Petitioners (JPDCL & KPDCL) have responded to the data gaps as per the deficiency notes sent by the Commission.
 8. The Commission held Technical Validation Sessions (TVS) with the Petitioners (JPDCL & KPDCL). Subsequently, minutes of TVS were issued and the Petitioners (JPDCL & KPDCL) were directed to submit the revised Petition accordingly. However, the Petitioners (JPDCL & KPDCL) have not submitted the revised Petition.
 9. The Commission issued several reminder letters to the Petitioners (JPDCL & KPDCL) and asked them to submit the revised petition in compliance with issues raised during the TVS. The Commission has continuously followed up with the Petitioners (JPDCL & KPDCL) to ensure compliance with data gap queries. The Commission in the absence of crucial information could not notify the tariff order for FY 2024-25 in time. The tariff orders of other utilities namely, JKPDC, JKPTCL and LPDD were notified by the Commission after following the due regulatory process.
 10. After continuous follow-up, the Commission received letters from JPDCL & KPDCL bearing reference numbers (MD/JPDCL/TS/4679-82 dated 06-03-2025) and (MD/KPDCL/TS/5631-35 dated 06.03.2025) stating therein that the Government shall provide the subsidy to maintain the existing tariff. The declaration was based on the letter (PDD-ACC/29/2023-04 (7187239) dated 05.03.2024 from the Director of Finance, JKPDD addressed to MD JPDCL and MD KPDCL.
 11. The JPDCL also submitted letter No. MD/JPDCL/TS/4887-88 dated 19-03-2025 and KPDCL also forwarded a similar letter No. CE/D/KPDCL/TS-1/2951-52 dated 20-03-2025 regarding the guidelines under Revamped Distribution Sector Scheme (RDSS). The petitioners informed that the release of funds under the RDSS Scheme is conditional requiring adherence to the pre-qualifying criteria which is reproduced as "Tariff order for the current year in which evaluation is being done and true up of penultimate year has been issued and implemented w.e.f. 1st April of current FY."
 12. In the wake of the aforementioned circumstances, the Commission decided to issue the tariff order for FY 2024-25 for JPDCL and KPDCL.



Approved Aggregate Revenue Requirement and Revenue Gap for FY 2024-25

13. In the case of Aggregate Revenue Requirement (ARR) for FY 2024-25, after applying the prudent check to the submission made by Petitioners (JPDCL & KPDCL), scrutiny of the ARR components & considering the distribution loss reduction trajectory, as approved in the Business Plan order, the Commission has approved the ARR for FY 2024-25 for JPDCL and KPDCL, as summarized in the table below:

Table 1: Approved ARR, Revenue with Existing Tariff and Revenue Gap for FY 2024-25 (Rs. Cr.)

Particulars	JPDCL	KPDCL
ARR components		
Power Purchase Expenses including Transmission Charges	3214.64	2925.35
Operation and Maintenance Cost	495.45	589.35
Interest on Long Term Debt		
Depreciation		
Interest on Working Capital	63.37	52.01
Bad debts	38.10	36.01
Return on Equity		
Less: Non-Tariff Income	1.27	2.15
Aggregate Revenue Requirement	3810.29	3600.56
Less: Revenue from existing tariff	3362.95	2671.55
Revenue gap at existing tariff	447.34	929.01

Approved Retail Supply Tariff for FY 2024-25

14. Section 61 of the Electricity Act, 2003 provides guiding principles for tariff determination. The Commission is guided by the following while finalising the retail tariff:
- safeguarding of consumers' interest and at the same time, recovery of the cost of electricity in a reasonable manner;
 - and the principles rewarding efficiency in performance.
 - In terms of Section 61(g) of the Act, the tariff should progressively reflect the efficient and prudent cost of supply of electricity.
15. The Commission notes that Electricity (Second Amendment) Rules 2023 notified by the MoP on 26.07.2023 recommends that the Aggregate Technical and Commercial (AT&C) loss reduction trajectory to be approved by the State Commissions for tariff determination shall be in accordance with the trajectory agreed by the respective State Governments and approved by the Central Government under any national scheme or programme.
16. AT&C loss reduction trajectory of up to 15% by FY 2019-20 was fixed by erstwhile JKSERC for the turnaround of the power sector under the UDAY scheme. Further, a similar target of AT&C loss reduction has been envisaged under the Ministry of Power (MoP) scheme: Revamped Reforms-based and Results-linked, Distribution Sector Scheme (RDSS). The Commission considers the distribution loss level for FY 2024-25 as approved by MoP, Government of India, under the RDSS scheme, for JPDCL and KPDCL. The same level of loss was approved under the Business Plan order also. Distribution loss is a controllable

parameter; the Petitioners (JPDCL & KPDCL) should take immediate action to curb the high losses observed in their area of supply. The actual losses cannot be considered and inefficiencies cannot be passed on to the consumers.

17. The Commission has observed that the present retail supply tariff effective in the UT of J&K is the tariff determined by the Commission for FY 2023-24. The Commission notes that restructuring and unbundling of the Jammu and Kashmir Power Development Department into various power utilities to look after the Generation, transmission and Distribution business in UT of J&K and UT of Ladakh primarily aims towards initiating reform in the power sector to enable self-reliant and cost-efficient operation of these corporations in generation, transmission and distribution business in the future. It is therefore imperative that the financial support / Grant-in-aid made available to such utilities during the initial stage needs to be gradually phased out over a period and the revenue requirement to run the business of these utilities need to be met through the tariff charged to the consumers.
18. The Commission has reviewed the tariff proposal submitted by JPDCL and KPDCL. The Commission received a letter from JPDCL where the decision of the Government on tariff for FY 2024-25 is mentioned. The Commission noticed that a letter was issued by the Director Finance JKPDD, about the Government's decision to continue the present tariff, i.e. FY 2023-24 approved tariff as also applicable for FY 2024-25. In view of the above, the Commission decides to continue the existing tariff without any change for FY 2024-25.

Table 2: Category-wise Approved Subsidized Tariff for FY 2024-25

S. No.	Tariff Category	Unit	Approved Tariff for JPDCL & KPDCL FY 2024-25
1	Domestic		
a	Below Poverty Line (Consumption up to 30 units/month)		
	Energy Charges	Rs./kWh	1.40
	Fixed Charges	Rs./kW/month	5.00
b	Metered		
	Up to 200 units per month	Rs./kWh	2.30
	201-400 units per month	Rs./kWh	4.00
	>400 units per month	Rs./kWh	4.35
	Fixed Charges	Rs./kW/month	8.00
c	Unmetered		
	Up to 1/4 kW	Rs./month	227.00
	>1/4-1/2 kW	Rs./month	520.00
	>1/2- 3/4 kW	Rs./month	780.00
	>3/4 -1kW	Rs./month	1040.00
	Above 1 kW up to 2 kW	Rs./month	1040+ 260 for every additional ¼ kW or part thereof up to 2 kW

S. No.	Tariff Category	Unit	Approved Tariff for JPDCL & KPDCL FY 2024-25
	Above 2 kW	Rs./month	2080 + 650 for every additional ¼ kW or part thereof above 2 kW
2	Non-domestic /commercial		
a	Metered Connection		
	Single Phase		
	Up to 200 units/month	Rs./kWh	3.55
	201-500 units/month	Rs./kWh	5.40
	>500 units per month	Rs./kWh	5.85
	Three phase - For all units	Rs./kVAh	5.85
	Fixed Charges		
	Single Phase	Rs./kW/month	60.00
	Three phase	Rs./kVA/month	130.00
b	Unmetered		
	Up to 1/4 kW	Rs./month	650.00
	>1/4-1/2 kW	Rs./month	1300.00
	>1/2- 3/4 kW	Rs./month	1950.00
	>3/4 -1kW	Rs./month	2600.00
	Above 1 kW	Rs./month	2600 + 650 for every additional ¼ kW or part thereof above 1 kW
3	State / Central Govt Department		
	Energy Charges		
	LT	Rs./kVAh	7.90
	11 kV* supply	Rs./kVAh	7.90
	33 kV** supply and above		7.90
	Fixed Charges		
	For metered consumers	Rs./kVA/ month	40.00
		*2.5% rebate on energy charges.	
		**5.0% rebate on energy charges.	
4	Agriculture		
a	Metered		
	Energy Charges		
	0-10 HP	Rs./kWh	0.90
	11-20 HP	Rs./kWh	1.15
	Above 20 HP	Rs./kWh	6.00
	Fixed Charges for connected load		
	0-10 HP	Rs./HP/ month	20.00
	11-20 HP		25.00
	Above 20 HP		45.00

S. No.	Tariff Category	Unit	Approved Tariff for JPDCL & KPDCL FY 2024-25
b	Unmetered		
	0-10 HP	Rs./HP/ month	325.00
	11-20 HP	Rs./HP/ month	357.00
	Above 20 HP	Rs./HP/ month	1950.00
5	Public street light		
a	Metered Connection		
	Energy Charge	Rs./kWh	8.60
	Fixed Charge	Rs./kW	60.00
b	Unmetered connection	Rs./kW/ month or part thereof	4550.00
6	LT Public water works		
	Energy Charge	Rs./kWh	8.60
	Fixed Charge	Rs./kW/month	60.00
7	HT Public water works		
a	11 KV supply		
	Energy Charge	Rs./kVAh	8.15
	Demand Charge	Rs./kVA/month	250.00
b	33 KV supply and above		
	Energy Charge	Rs./kVAh	8.05
	Demand Charge	Rs./kVA/month	250.00
8	LT Industrial Supply		
a	LTIS - I (For all metered consumers except those covered under LTIS-II)		
	For consumers with connected load < 50 kW		
	Energy Charge	Rs./kVAh	4.20
	Fixed Charge	Rs./kVA/ month	60.00
	For consumers with connected load > 50 kW		
	Energy Charge	Rs./kVAh	4.20
	Fixed Charge	Rs./kVA/ month	60.00
b			
			4.20
			30.00
9	HT Industrial Supply		
a	11 KV supply		
	Energy Charge	Rs./kVAh	4.10
	Demand Charge	Rs./kVA/month	175.00
b	33 KV supply and above.		
	Energy Charge	Rs./kVAh	4.00
	Demand Charge	Rs./kVA/month	175.00
	ToD Tariff	ToD Tariff applicable	Surcharge / rebate: 20%/10%

S. No.	Tariff Category	Unit	Approved Tariff for JPDCL & KPDCL FY 2024-25
10	HT PIU		
a	11 KV supply		
	Energy Charge	Rs./kVAh	5.00
	Demand Charge	Rs./kVA/month	225.00
b	33 KV supply		
	Energy Charge	Rs./ VAh	4.95
	Demand Charge	Rs./kVA/month	225.00
	ToD Tariff	ToD Tariff applicable	Surcharge / rebate: 20%/10%
11	Bulk Supply		
a	11 KV supply		
	Energy Charge	Rs./kVAh	5.60
	Demand Charge	Rs./kVA/month	225.00
b	33 KV and above		
	Energy Charge	Rs./kVAh	5.55
	Demand Charge	Rs./kVA/month	225.00
	ToD Tariff	ToD Tariff Applicable	Surcharge / rebate: 20%/10%
12	Electric Vehicle (EV) Charging Station		
a	LT supply		
	Energy Charge	Rs./kVAh	7.00
	Demand Charge	Rs./kVA/month	0.00
b	11 kV supply		
	Energy Charge	Rs./kVAh	6.9
	Demand Charge	Rs./kVA/month	0.00
c	33 kV supply		
	Energy Charge	Rs./kVAh	6.80
	Demand Charge	Rs./kVA/ month	0.00
	ToD Tariff	ToD Tariff applicable	Surcharge / rebate: 20%/10%
13	Traction		
a	11 kV / 33 kV supply		
	Energy Charge	Rs./kVAh	5.40
	Demand Charge	Rs./ kVA/ Month	300
	ToD Tariff only for 33 kV	ToD Tariff Applicable	Surcharge / rebate: 20%/10%

19. The Petitioners (JPDCL & KPDCL) proposed to continue with the existing Time of Day (TOD) tariff without any modification in the charges. The Commission observes that MoP, GoI under the Electricity (Rights of Consumers) Amendment Rules, 2023 dated 14.06.2023, has proposed a ToD tariff during peak hours as 20% higher than a normal period tariff. The same is accepted by the Commission and the surcharge is approved as 20%. TOD tariff will be

applicable for HT consumers getting supply at 33 kV or higher level. The Commission directs the Petitioners (JPDCL & KPDCL) to study the load curves of such consumers in their supply area and submit a report on the impact of the TOD tariff on load.

20. The Commission observes that the Ministry of Power, Government of India issued "Charging Infrastructure for Electric Vehicles - the revised consolidated guidelines and standards" dated 14.01.2022. As per para 7 of the said guidelines, with respect to EV charging tariff, it has been mentioned that the tariff for the supply of electricity to public EV charging stations shall be a single-part tariff and shall not exceed the "Average Cost of Supply" till 31.03.2025. Accordingly, the Commission approves single part tariff for the EV charging category.
21. The Commission has noticed that MoP, Gol, in exercise of the powers conferred by sub-section (1) read with clause (z) of sub-section (2) of section 176 of the Electricity Act, 2003, has published Electricity (Promoting Renewable Energy Through Green Energy Open Access) Rules, 2022. Under the said rules, it has been mandated that the Electricity Regulatory Commissions should determine the Green Power Tariff. The Commission decides to approve the green tariff as Rs 0.50/kWh, which will be paid by the willing consumers over and above the tariff rates applicable for their respective category.
22. The Commission noted that the MoP has directed the SERCs/ JERC to implement the price adjustment formula recommended in the Electricity (amendment) Rules 2022. Accordingly, the Commission under the newly framed JERC for UT of Jammu & Kashmir and the UT of Ladakh (Generation, Transmission and Distribution, Multi Year Tariff), Regulations, 2023 have specified the 'Fuel and Power Purchase Adjustment Surcharge' formula. The Distribution Licensees and JKPCL should take note of the same and act accordingly to implement the Fuel and Power Purchase Cost Adjustment formula in true spirit.
23. The Commission approves the schedule of miscellaneous Charges without any changes in existing charges, as requested by the Petitioners (JPDCL & KPDCL).

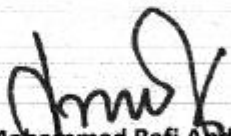
Implementation of the Order

24. The Commission directs that this Order should be implemented along with directions given and conditions mentioned in the detailed Order and schedules attached. It is further ordered that the JPDCL and KPDCL are permitted to issue electricity bills to consumers in accordance with the subsidized tariff schedule (Chapter 9 of detail tariff order) provided with this Tariff Order.
25. This Tariff Order shall come into effect from the issuance of this order and shall remain valid unless amended or modified or extended by an Order of this Commission. This tariff order would be valid unless a new tariff order is announced by the Commission. The Petitioners (JPDCL & KPDCL) must take immediate steps for the implementation and publication of this Order.



26. The Commission directs that this Order be implemented along with directions given and conditions mentioned in the detailed Order.
27. In exercise of the powers vested in it under the Section 61 and the Section 62 of the Electricity Act, 2003, the Commission hereby passes this Order today i.e. on the 24th of March, 2025.

Ordered as above, read with attached detailed reasons, grounds and conditions.


(Mohammad Rafi Andrabi)
CHAIRMAN

No. JERC/LAW-S/P/2023-24/F-64/84

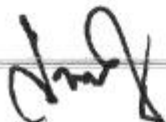
Dated: 24-03-2025
Place: Jammu



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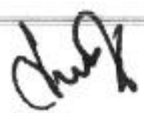




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Chapter 1: Introduction

Joint Electricity Regulatory Commission

1.1. 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 the Joint Electricity Regulatory Commission for the Union Territory of Jammu and Kashmir and the Union Territory of Ladakh (herein referred to as "Commission") vide S.O. 1984(E) dated 18 June 2020.

1.2. As per Section 83 of Electricity Act, 2003

"

....

(1) Notwithstanding anything to the contrary contained in section 82, a Joint Commission may be constituted by an agreement to be entered into –

(a) by two or more Governments of States; or

(b) by the Central Government, in respect of one or more Union territories, and one or more Governments of States, and shall be in force for such period and shall be subject to renewal for each further period, if any, as may be stipulated in the agreement:

Provided that

.....Notwithstanding anything contained in this section, the Central Government may, if so, authorized by all the participating States, constitute a Joint Commission and may exercise the powers in respect of all or any of the matters specified under sub-section (3) and when so specifically authorized by the participating States."

1.3. The Commission is empowered under Section 86 of the Electricity Act, 2003 to discharge the following functions:

(a) Determine the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail, as the case may be:

Provided that where open access has been permitted to a category of consumers under Section 42, the Commission shall determine only the wheeling charges and surcharge thereon, if any, for the said category of consumers.

(b) Regulate the electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State.

(c) Facilitate intra-state transmission and wheeling of electricity.

(d) Issue licences to persons seeking to act as transmission licensees, distribution licensees and electricity traders with respect to their operations within the State.

(e) Promote co-generation and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale of electricity to any person, and also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution license.

(f) Adjudicate upon the disputes between the licensees and generating companies and refer any dispute for arbitration.

(g) Levy fee for the purposes of this Act.

- (h) Specify State Grid Code consistent with the Grid Code specified under clause (h) of sub-section (1) of Section 79.
- (i) Specify or enforce standards with respect to quality, continuity and reliability of service by licensees.
- (j) Fix the trading margin in the intra-state trading of electricity, if considered, necessary.
- (k) Discharge such other functions as may be assigned to it under this Act.

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

1.5. In the discharge of its functions, the Commission shall be guided by the National Electricity Policy, National Electricity Plan and Tariff Policy published under the provisions of the Act.

Jammu & Kashmir Reorganization Act, 2019

1.6. The J&K Reorganization Act, 2019 was enacted by the Parliament of India on 9 August 2019 wherein the State of Jammu and Kashmir was divided into Union Territory of Jammu and Kashmir & Union Territory of Ladakh. Upon the reorganization the distribution of electricity supply underwent changes. The relevant portion of Section 85(1) of J&K Reorganization Act, 2019 is given below:

"The Central Government may by order, establish one or more Advisory Committees within a period of 90 days from the appointed day, for the purposes of apportionment of assets, rights and liabilities of the companies and corporations constituted for the existing State of Jammu and Kashmir between Union territory of Jammu and Kashmir and Union territory of Ladakh; issues relating to Continuance of arrangements in regard to generation and supply of electric power and supply of water".

1.7. Consequent to the enactment of the Jammu and Kashmir Reorganization Act, 2019 (herein after "J&K Reorganization Act" or "Reorganization Act") and repeal of the Jammu and Kashmir Electricity Act, 2010, the Central Electricity Act, 2003 was made applicable to the Union Territory of Jammu and Kashmir and Union Territory of Ladakh. The relevant portion of J&K Reorganization Act, 2019 is given below:

"95. (1) All Central laws in Table -1 of the Fifth Schedule to this Act, on and from the appointed day, shall apply in the manner as provided therein, to the Union territory of Jammu and Kashmir and Union territory of Ladakh."

Unbundling of Erstwhile JKPDD

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

1.9. Further, as per Section 85(1) of J&K Reorganization Act, 2019 a Committee vide Government Order No. 164 PDD of 2019 dated 20.09.2019 was constituted by Commissioner/Secretary, Power Development Department, Govt. of J&K, to prepare and present a comprehensive proposal for apportionment/reorganization of J&K Power Development Department, J&K



State Power Development Corporation and J&K State Trading Company between Union Territory (UT) of J&K and UT of Ladakh.

- 1.10. Consequent to the approval of the State Administrative Council of J&K, the Power Development Department was unbundled into several power corporations on 23rd October 2019 vide Government Order No. 191-PDD of 2019. The unbundling also involved the incorporation of a new company in Ladakh to handle generation and distribution functions.
- 1.11. The relevant extract from the Government Order No. 191- PDD of 2019, is given below.

"Sanction is hereby accorded to the: -

...

(ii) To transfer all the shares, held by Governor, Jammu, and Kashmir in Jammu and Kashmir State Power Development Corporation Limited, Jammu and Kashmir State Power Trading Company Limited (renamed as Jammu and Kashmir Power Corporation Limited) and Jammu and Kashmir State Power Transmission Company Limited (renamed as Jammu and Kashmir Power Transmission Corporation Limited) to the Administrative Secretary to the Govt., Power Development Department....)

(iii) Jammu and Kashmir State Power Trading Company Limited (renamed as Jammu and Kashmir Power Corporation Limited) shall control the composition of the Board of Directors of the following Companies:

(a) Jammu and Kashmir State Power Development Corporation Limited (renamed as Jammu and Kashmir Power Development Corporation Limited).

(b) Jammu and Kashmir State Power Transmission Company Limited. (renamed as Jammu and Kashmir Power Transmission Corporation Limited)

(c) Jammu Power Distribution Company Limited (renamed as Jammu Power Distribution Corporation Limited)

(d) Kashmir Power Distribution Company Limited (renamed as Kashmir Power Distribution Corporation Limited).

.....

(vi) Change in the name of Kashmir Power Distribution Company Limited to Kashmir Power Distribution Corporation Limited. Accordingly, all necessary changes shall be made in the MOA and AOA with regard to functions, name, and jurisdiction of the Corporation. The jurisdiction of the Ladakh shall be deleted from the mandate of the Corporation.

(vii) Change in the name of Jammu and Kashmir Power Transmission Company Limited to Jammu and Kashmir Power Transmission Corporation Limited. Accordingly, all necessary changes shall be made in the MOA and AOA with regard to functions, name and jurisdiction of the Corporation. The jurisdiction of the Ladakh shall be deleted from the mandate of the Corporation.

(viii) Change in the name of Jammu and Kashmir State Power Development Corporation Limited to Jammu and Kashmir Power Development Corporation Limited. Accordingly, all necessary changes shall be made in the MOA and AOA with regard to functions, name, and jurisdiction of the Corporation. The jurisdiction of the Ladakh shall be deleted from the mandate of the Corporation.

...

(xi)(A) Apportionment, Re-organisation and transfer scheme of JKPDD, JKSPDC, as given in the report submitted by the Committee constituted vide Government Order No: 164-PDD of 2019 dated 20-09-2019.

...

(D) Wherever in this report, framing of new rules, policies, modification/ amendment in the existing rules etc. is required, the approval of the competent authority shall be sought before notification. Accordingly, sanction is also granted to the following: -

.....

(c) Transfer of staff on as is and where is basis and along with posts from EM & RE Wing, Kashmir, Project Wing, Kashmir & PMM wing, Kashmir Division to Kashmir Power Distribution Corporation Limited on deputation basis from JKPDD except the staff posted in these wings in Ladakh province who shall be transferred to Ladakh Power Corporation Limited (to be incorporated).

.....

(e) Transfer of Assets and Liabilities of Jammu and Kashmir State Power Development Corporation Limited falling in Ladakh Province to Ladakh Power Corporation Limited on as is and where is basis.

(f) Transfer of Assets and Liabilities of Jammu and Kashmir State Power Trading Company Limited falling in Ladakh Province to Ladakh Power Development Department on as is and where is basis. The trading activity in UT Ladakh shall be looked after by Secretary Technical, UT Ladakh."

Jammu and Kashmir Power Development Department (Re-organisation) First Transfer Scheme 2020

1.12. 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 20 March 2020. The key provisions from the First Transfer Scheme 2020 are as follows:

"

5. Transfer of Undertakings by Department: -

(a) The Undertakings of the Department classified in the following schedules shall stand transferred to and vested in the Transferee on and from Appointed Date subject to the terms and conditions specified in the Act and the Scheme:

(i) Trading cum Holding Undertakings for UT of J&K as set out in Schedule-A';

(ii) Distribution Undertakings for Jammu Province, UT of J&K as set out in Schedule-B; and

(iii) Distribution Undertakings for Kashmir Province, UT of J&K as set out in Schedule-C; and

(iv) Generation and Distribution Undertakings for Ladakh Region, UT of Ladakh as set out in Schedule-D;

(v) Transmission Undertaking with Load Despatch Centre function for Jammu as well as Kashmir Province, UT of J&K as set out in Schedule-E

.....

(f) The transfer to and vesting of the undertaking to the transferee in terms of this Scheme shall take effect immediately on the appointed date notwithstanding that the value of Undertakings have not been determined and shall be determined at a later date;

.....

15. Government Support. -

(1) The Transferees shall be eligible for and shall continue to receive support from the Government in the form of revenue support, equity support, capital subsidies, loans, interest subsidies and such other monetary and financial assistance, whether under a Central or State scheme or otherwise, as may be necessary for the due and effective performance of their functions until the time Transferees achieve commercial viability on their own.

(2) The Government support indicated in sub section (1) above shall be conditional upon the Transferees submitting a detailed and time-bound financial feasibility plan within 6 (six) months of the Appointed date and duly complying with the same. The feasibility plan shall be reviewed at least once every year to assess and evaluate the fulfilment of the performance targets set out therein. The financial feasibility plan would include projections related to reduction in various losses, revenue requirement and capital support, per capita availability of electricity in the UT and matters incidental thereto."

1.13. The functions of JKPDCL comprising transmission and distribution were unbundled into one Transmission company i.e. JKPTCL and two Distribution companies i.e. JPDCL and KPDCL. The unbundling also involved the incorporation of a new company in Ladakh for handling generation and distribution functions i.e. Ladakh Power Company Limited (LPCL). All the functions of generation, transmission, distribution and trading are now being handled separately to make the power sector in Jammu and Kashmir commercially more viable and competitive.

Procedural History

1.14. Prior to unbundling, as per the provisions in the prevalent JKSERC Multi-Year (Distribution Regulations), 2012, the erstwhile JKSERC had carried out True-up for FY 2014-15, Annual Performance Review for FY 2015-16, Aggregate Revenue Requirement for 2nd MYT Control Period from FY 2016-17 to FY 2020-21 and Retail Tariff for FY 2016-17 vide Commission's Order No. 38-JKSERC of 2016 dated 07.10.2016.

1.15. After the constitution of the Joint Electricity Regulatory Commission, the Commission vide Gazette Notification No. JERC-JKL/Tech-13/2021 dated 31 March 2021, notified the regulations "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 "Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018" [herein after JERC MYT Regulations, 2018] applicable for the determination of tariff

for all the Generation companies, Transmission Licensees and Distribution Licensees in UT of J&K and UT of Ladakh.

- 1.16. Subsequently, the Commission through a suo-motu order dated 01.12.2021 extended the control period of JERC for the State of Goa and Union Territories (Generation, Transmission and Distribution) Regulations, 2018 (applicable for FY 2019-20 to FY 2021-22) to a 5-year control period w.e.f FY 2021-22 to FY 2025-26 to make it applicable for tariff determination for FY 2022-23 onwards. Following the due regulatory process, the Commission issued a tariff order for FY 2022-23 vide its order dated 13.10.2022 in Order No JERC/6 of 2022 (in Petition No JERC/P/02 of 2022 and JERC/P/03 of 2022).
- 1.17. After issuance of the above order, the Petitioners (JPDCL & KPDCL) (JPDCL Land KPDCL) submitted the tariff petitions for the Business Plan for FY 2023-24 to FY 2025-26, Multi-Year Tariff (MYT) for the period from FY 2023-24 to FY 2025-26 and the tariff proposal for FY 2023-24. The Commission vide its Order No. JERC/13 of 2023 dated 24.11.2023 approved the Business Plan and MYT for the period from FY 2023-24 to FY 2025-26 and Tariff for FY 2023-24 (Petition No JERC/P/08 of 2023 and JERC/P/09 of 2023).
- 1.18. The Commission vide its notification No. JERC-JKL/Reg/2023/13 dated 10.11.2023 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'].
- 1.19. The Petitioners (JPDCL & KPDCL) submitted the present Petition for Annual Performance Review (APR) for FY 2023-24 and Aggregate Revenue Requirement (ARR) and Tariff Proposal for FY 2024-25 as per JERC MYT Regulations 2023.
- 1.20. The Annual Performance Review (APR) of FY 2023-24 is filed by the Petitioners (JPDCL & KPDCL) under Regulation 11.1, 11.2 and 11.3 of the JERC for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018. For APR, the Petitioners (JPDCL & KPDCL) have considered actual figures/ information for the first half (H1) of FY 2023-24 (i.e. September 2023) and has projected the same for the second half (H2) of FY 2023-24.
- 1.21. The Petitioners (JPDCL & KPDCL) have filed the revised ARR of FY 2024-25 and Tariff Proposal of FY 2024-25 as per Regulations 11.1 and 11.2 of the JERC MYT Regulations 2023 as FY 2024-25 is the ensuing year. The Petitioner has projected the revised ARR of FY 2024-25 considering the revised ARR of FY 2023-24 (as per APR exercise) as the base using appropriate inflation indices as specified by the Commission.

Events post submission of the Petitions

- 1.22. The Petitions has been scrutinized in the office of the Commission and the data deficiency note communicated to the petitioners vide Commission's letter No. JERC/Law-S/P/2023-24/F-66/21 dated 05.02.2024 and letter No. JERC/Law-S/P/2023-24/F-64/43-45 dated 27.02.2024

1.23. The Commission conducted a Technical Validation Session on the subject matter regarding the petition filed by JPDCL on 19.03.2024 and the petition filed by KPDCL on 20.03.2024.

1.24. The Commission issued the minutes of meetings of TVS and some major issues were identified by the Commission, which were required for tariff determination purposes. For this purpose, a letter issued to JPDCL is given below for reference.

- (a) The Commission noted that in reply to the data gap, the petitioner has submitted a copy of the progress report submitted to the MoP under the Result Evaluation Matrix as specified in the guidelines of the MoP RDSS scheme. The Commission pointed out that the petitioner has not met some of the pre-qualifying criteria and mentioned that unless and until the Petitioner demonstrates progress in the Result Evaluation Matrix on a periodical basis, obtaining the funding under the RDSS scheme shall be difficult.
- (b) The Commission noted that the petitioner has not been able to undertake the Capex scheme during FY 2023-24 as projected in the Business Plan targets. The progress of smart metering implementation is not up to the mark, the agreement with the Project Implementation Agency is pending and smart meter implementation under the RDSS scheme has been affected. The Commission informed JPDCL to expedite the feeder level as well as consumer-level meter installation work on priority. Further, it was observed that unmetered consumers at the end of FY 2023-24 were projected by JPDCL as 308356 which is around 32% of total domestic consumers. The Commission asked the petitioner to submit the metering plan indicating the year-wise plan for metring of unmetered consumers and the timeline for installation of smart meters.
- (c) The Commission expressed its displeasure over the distribution loss trajectory projected by the petitioner for FY 2023-24 and FY 2024-25. The Commission mentioned the fact that the RDSS scheme has targeted to reduce AT&C losses to Pan-India levels of 12- 15% by FY 2024-25. This scheme is reform-based and result-linked. DISCOMs of the UT are participating in the scheme and committed to reducing AT&C losses as per prescribed targets under the approved Scheme.
- (d) The Commission categorically informed the petitioner that the distribution loss trajectory proposed by the petitioner contradicts its own submission in the Business Plan proposal submitted during the regulatory process of determination of tariff for FY 2023-24 & distribution loss reduction commitment made to MoP under the RDSS scheme. It has been clarified that for tariff determination purposes the distribution loss trajectory approved by the Commission as per the commitment made by the petitioner under the RDSS scheme shall be considered. The consumers would not be burdened on account of the inefficiencies of the Distribution Licensees.
- (e) The Commission noted that the petitioner in its petition has submitted the full cost tariff schedule for FY 2024-25 considering the power procurement cost with actual distribution loss level without factoring in the grant-in-aid support available from the UT government. However, in the prayer section, the petitioner requested the Commission to determine a subsidized tariff after considering the grant-in-aid support available from UT. The Commission opined that for clarity of the stakeholders, it is important for the petitioner to provide both i.e. full cost tariff schedule and subsidized tariff schedule. The petitioner should enquire with the UT government about the



budgetary provisions for grant-in support for FY 2024-25 or otherwise assume the last year's grant-in-aid support and provide the subsidized tariff schedule in the petition.

- 1.25. The Commission issued the minutes of meetings of TVS and some major issues were identified by the Commission, which were required for tariff determination purposes. For this purpose, a letter issued to KPDCL is given below for reference.
- (a) The Commission noted that in reply to data gaps, the petitioner has not furnished the copy of the progress report submitted to the MoP under the Result Evaluation Matrix as specified in the guidelines of the MoP RDSS scheme. The Commission pointed out to the petitioner that the funding under the RDSS scheme is linked to the performance. Unless and until the petitioner demonstrates progress in the Result Evaluation Matrix on periodical basis, obtaining the funding under the RDSS scheme shall be difficult. The Commission directed the petitioner to submit the copy of progress report under the RDSS scheme.
 - (b) The Commission noted that the petitioner has not been able to undertake the Capex scheme during FY 2023-24 as projected in the Business Plan targets. The progress of smart metering implementation is not upto the mark, out of 11.45 lakh consumers in the licence area around 6.89 consumers are still not provided with the meters. The Commission directed the petitioner to expedite the feeder level as well as consumer level meter installation work on priority. The Commission asked the petitioner to submit the metering plan indicating the time line for installation of meters.
 - (c) The Commission noted that in the revised forecast of the number of consumers for FY 2023-24, the petitioner has shown increase in number of domestic un-metered consumers during second half of the year in comparison to first half. The Commission directed the petitioner to justify the same in wake of smart meter implementation plan for the same year.
 - (d) The Commission directed the Petitioner to furnish the present status of electrification work in Gurez and Tulail area in UT of J&K which are not connected to its distribution network. The Commission directed to furnish details of the DG sets and expenses incurred on fuel during FY 2023-24 in case electricity is being supplied to these areas through DG sets.
 - (e) The Commission expressed its displeasure over the distribution loss trajectory projected by the petitioner for FY 2023-24 (54.27%) and FY 2024-25(51.27%). The Commission underlined the fact that the RDSS scheme aims to reduce AT&C losses to Pan-India levels of 12-15% by FY 2024-25. This scheme is reform based and result linked. DISCOMs of the UT of J&K are participating in the scheme and committed to reduce AT&C losses as per prescribed targets under the approved Scheme
 - (f) The Commission categorically informed the petitioner that the distribution loss trajectory proposed by the petitioner contradicts with its own submission in the Business Plan proposal submitted during FY 2023-24 & distribution loss reduction commitment made to MoP under RDSS scheme. It has been clarified that for tariff determination purpose the distribution loss trajectory approved by the Commission as per the commitment made by the petitioner under RDSS scheme shall be considered. The consumers cannot be burdened on account of the inefficiencies of the Distribution Licensees.

- (g) The Commission noted that the petitioner in its petition has submitted the full cost tariff schedule for FY 2024-25 considering the power procurement cost with actual distribution loss level without factoring in the grant-in-aid support available from UT government. However, in the prayer section the petitioner requested the Commission to determine subsidized tariff after considering the grant – in aid support available from UT. The Commission is of the opinion that for clarity of the stakeholders, it is important for the petitioner to provide both i.e. full cost tariff schedule and subsidized tariff schedule. The petitioner should enquire with the UT government about the budgetary provisions for grant-in-aid support for FY 2024-25 or otherwise assume the last years grant-in-aid support and proposed subsidized tariff schedule in the petition.
- (h) The Commission directed the petitioner to identify the loss-making/non-performing feeder/ sub-divisions in its license area after analyzing the Energy Audit Report and submit a Report elaborating the strategy for reducing the loss and improving the performance of the identified feeders/ sub divisions to the Commission at the earliest.

1.26. The Commission repeatedly followed up with the petitioner (JPDCL) vide following letters (i) No JERC/Law-S/P/2023-24/F-66/67-68 dated 22.03.2024, (ii) No. JERC/Law-S/P/2023-24/F-66/70 dated 22.03.2024, (iii) No. JERC/Law-S/P/2023-24/F-66/93-94 dated 04.04.2024, (iv) No. JERC/Law-S/P/2023-24/F-66/100-101 dated 12.04.2024, (v) No. JERC/Law-S/P/2023-24/F-66/114-16 dated 22.04.2024, (vi) No. JERC/Law-S/P/2023-24/F-66/125-127 dated 29.04.2024, (vii) No. JERC/Law-S/P/2023-24/F-66/147 dated 20.05.2024, (viii) No. JERC/Law-S/P/2023-24/F-66/286-88 dated 04.07.2024, (ix) No. JERC/Law-S/P/2023-24/F-66/299-300 dated 01.08.2024 (x) No. JERC/Law-S/P/2023-24/F-66/336 dated 11.10.2024, (xi) No. JERC/Law-S/P/2023-24/F-66/338-39 dated 21.10.2024, (xii) No. JERC/Law-S/P/2023-24/F-66/343-48 dated 24.10.2024, and (xiii) No. JERC/Law-S/P/2023-24/F-66/367 dated 30.12.2024 and with KPDCL vide following letters (i) No JERC/Law-S/P/2023-24/F-64/71-72 dated 22.03.2024, (ii) No JERC/Law-S/P/2023-24/F-64/89-90 dated 01.04.2024, (iii) No JERC/Law-S/P/2023-24/F-64/102-103 dated 12.04.2024, (iv) No JERC/Law-S/P/2023-24/F-64/111-13 dated 22.04.2024, (v) No JERC/Law-S/P/2023-24/F-64/128-30 dated 29.04.2024, (vi) No JERC/Law-S/P/2023-24/F-64/148 dated 20.05.2024, (vii) No JERC/Law-S/P/2023-24/F-64/289-91 dated 04.07.2024, (viii) No JERC/Law-S/P/2023-24/F-64/301-02 dated 01.08.2024, (ix) No JERC/Law-S/P/2023-24/F-64/317-18 dated 13.08.2024, (x) No JERC/Law-S/P/2023-24/F-64/337 dated 11.10.2024, and No. JERC/Law-S/P/2023-24/F-66/367 dated 30.12.2024 for compliance with data gap queries for which no response received from the petitioner for a considerable period of time.

1.27. However, JPDCL forwarded a letter (MD/JPDCL/TS/4679-82 dated 06-03-2025) and KPDCL forwarded a letter (MD/KPDCL/TS/5631-35 dated 06.03.2025) regarding a response to a data gap pertaining to the subsidy / grant-in aid support planned by the Government. In the said letter reply from the Director of Finance, JKPDD in this regard was mentioned.

1.28. The JPDCL also submitted letter No. MD/JPDCL/TS/4887-88 dated 19-03-2025 and KPDCL also forwarded a similar letter No. CE/D/KPDCL/TS-1/2951-52 dated 20-03-2025 regarding the guidelines from Revamped Distribution Sector Scheme (RDSS). In the letter the Petitioners (JPDCL & KPDCL) mentioned that as per the Revamped Distribution Sector Scheme (RDSS) guidelines, the pre-qualifying criteria cited at Point No. viii under the title "PRE-QUALIFICATION CRITERIA" of the sanction letter No. REC/RDSS/Jammu/2022-23/27

dated 10-10-2022 of REC Limited (letter for RDSS to JPDCL) and letter No. REC/RDSS/Kashmir/2022-23/10 dated 14-07-2022 of REC Limited (letter from RDSS to KPDCL) which is reproduced as "Tariff order for the current year in which evaluation is being done and true up of penultimate year has been issued and implemented w.e.f. 1st April of current FY." needs to be mandatorily met by JPDCL and KPDCL before it is evaluated on the basis of the Evaluation Matrix. The letters also mentioned that it may be noted that the release of funds under the RDSS Scheme is conditional requiring adherence to the pre-qualifying criteria stated above.

- 1.29. The Petitioners (JPDCL & KPDCL) requested the Commission to consider their submissions on "Petition for approval of Annual Performance Review of FY 2023-24, aggregate revenue requirement of FY 2024-25 and tariff proposal for FY 2024-25" for the release of Tariff order of FY 2024-25 so that JPDCL and KPDCL could accordingly update the Nodal Agency of RDSS about the status of Tariff order of FY 2024-25 and meet the criteria under RDSS which is crucial for ensuring continued financial support for executing various works being executed under the RDSS. It is pertinent to mention that non-compliance with the pre-qualification criteria (PQs) will impact the RDSS project in JPDCL and KPDCL as a whole, since the funding under the scheme will come to a halt.
- 1.30. The Commission notes the said reply from of the Director of Finance, JKPDD, and the letters submitted by MD JPDCL and CE KPDCL regarding the RDSS guidelines about the tariff orders and considering the time constraint as the month of March for FY 2024-25 is about to end, the Commission considers the circumstances to be fait accompli and decides to bypass the Public Hearing process of the regulatory procedures and issue this order regarding the tariff for FY 2024-25 of JPDCL and KPDCL. Moreover, no enhancement in the existing tariff rates has been sought. Regarding the tariff for heavy electricity category (HT PIU), no hike is being considered either, as consultation with stakeholders is not possible at the fag end of the year.

Scope of the Present Order

- 1.31. The ambit of the present Order extends to approval of the Annual Performance Review of FY 2023-24, Aggregate Revenue Requirement of FY 2024-25 and Retail Supply Tariff Determination for FY 2024-25 for JPDCL and KPDCL. Since the issues are of a similar nature for both the licensees, the Commission prefers to deal with both Petitions with this Common order for the determination of a uniform Retail Supply Tariff for FY 2024-25 applicable to the consumers in UT of J&K.

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Chapter 2: Summary of the Petition

2.1 This section presents a summary of the Petitions for APR for FY 2023-24, ARR and Tariff Proposal for FY 2024-25 submitted by JPDCL and KPDCL.

Salient Features of Petitions

2.2 JPDCL has filed the Tariff Petition for the approval of Annual Performance Review for FY 2023-24, and Aggregate Revenue Requirement and Tariff Determination proposal for FY 2024-25 as given in the table below:

Table 3: Summary of JPDCL Petition

S. No.	Particulars	Annual Performance Review	Aggregate Revenue Requirement
		FY 2023-24 Submission	FY 2024-25 Submission
A	Projected Sales (MU)	5552.34	5869.28
B	Projected Intra-state Loss (%)	3.15%	3.07%
C	Projected Distribution Loss (%)	36.61%	32.98%
D	Capital Expenditure (INR Cr.)	222.44	1023.41
E	Capitalization (INR Cr.)	118.44	653.40
Annual Revenue Requirement and Revenue Gap/(Surplus) (INR Cr)			
1	Power Purchase Cost inclusive of Transmission Cost	4586.40	4425.72
2	Operation & Maintenance Expenses	499.71	567.28
2.1	Employee Expenses	454.90	479.46
2.2	Administrative & General Expenses	6.40	6.74
2.3	Repair & Maintenance Expenses	38.42	41.46
2.4	IT initiatives, Smart Meter PMPM expenses		39.61
3	Depreciation	-	-
4	Interest on Loan	-	-
5	Return on Equity	-	-
6	Interest on Security Deposit	-	-
7	Interest on Working Capital	96.11	95.05
8	Income Tax	-	-
9	Provision for Bad & Doubtful Debt	52.33	51.38
10	Total Revenue	5234.56	5139.43

S. No.	Particulars	Annual Performance Review	Aggregate Revenue Requirement
		FY 2023-24 Submission	FY 2024-25 Submission
	Requirement		
11	Less: Non-Tariff Income	1.27	1.27
12	Net Revenue Requirement	5233.29	5138.16
13	Revenue at Existing Tariff	2452.48 @ 90% collection efficiency	2878.50 @ 93% collection efficiency (at existing tariff)
14	Revenue Gap/ (Surplus)	2780.82	2259.66

2.3 KPDCL has filed the Tariff Petition for approval of the Annual Performance Review for FY 2023-24, and the Aggregate Revenue Requirement and Tariff Determination proposal for FY 2024-25 as given in the table below:

Table 4: Table Summary of KPDCL Petition

S. No.	Particulars	Annual Performance Review	Aggregate Revenue Requirement
		FY 2023-24 Submission	FY 2024-25 Submission
A	Projected Sales (MU)	5099.33	5832.89
B	Projected Intra-state Loss (%)	3.15%	3.07%
C	Projected Distribution Loss (%)	54.27%	51.25%
D	Capital Expenditure (INR Cr.)	831.18	3271.67
E	Capitalization (INR Cr.)	381.42	522.14
Annual Revenue Requirement and Revenue Gap/(Surplus) (INR Cr)			
1	Power Purchase Cost inclusive of Transmission Cost	4564.25	5118.12
2	Operation & Maintenance Expenses	537.28	609.35
2.1	Employee Expenses	506.78	534.15
2.2	Administrative & General Expenses	3.02	3.25
2.3	Repair & Maintenance	14.40	15.54

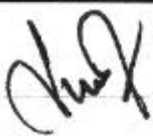
S. No.	Particulars	Annual Performance Review		Aggregate Revenue Requirement	
		FY 2023-24		FY 2024-25	
		Submission		Submission	
	Expenses				
2.4	IT initiatives, Smart Meter PMPM expenses		-		42.30
2.5	Off-Grid Material & Supply		13.08		14.11
3	Depreciation		-		-
4	Interest on Loan		-		-
5	Return on Equity		-		-
6	Interest on Security Deposit		-		-
7	Interest on Working Capital		96.60		109.39
8	Income Tax		-		-
9	Provision for Bad & Doubtful Debt		52.51		58.96
10	Total Revenue Requirement		5250.63		5896.45
11	Less: Non-Tariff Income		2.15		2.15
12	Net Revenue Requirement		5248.49		5894.31
13	Revenue at Existing Tariff		1659.91 @ 90% collection efficiency		2094.79 @ 93% collection efficiency (at existing tariff)
14	Revenue Gap/ (Surplus)		3588.58		3799.52

2.4 The Petitioners (JPDCL & KPDCL) have submitted 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 2024-25 only after the budget exercise is completed. Therefore, in the absence of the quantum of subsidy/ grant in aid, the Petitioner has worked out a Full Cost Tariff for FY 2024-25. The Petitioners (JPDCL & KPDCL) have requested the Commission to factor in the subsidy/ grant-in-aid support as and when the same is announced by the UT Government to approve the subsidized tariff.

2.5 Category wise Full Cost Tariff Proposal submitted by the Petitioners (JPDCL & KPDCL) is provided as follows:

Table 5 Existing and Proposed Tariff Hikes by Petitioners (JPDCL & KPDCL)

Utility		JPDCL			KPDCL		
S. No.	Tariff Category	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff (without Govt Subsidy)	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff for FY 2024-25 (without Govt Subsidy)
1	Domestic						
A	Below Poverty Line (Consumption up to 50 units/month)						
	Energy Charges	Rs./ kWh	1.40	5.00	Rs./ kWh	1.40	6.50
	Fixed Charges	Rs./ kW or part thereof / month	5.00	30.00	Rs./ kW or part thereof / month	5.00	20.00
B	Metered						
	Up to 200 units per month	Rs./ kWh	2.30	8.85	Rs./ kWh	2.30	7.50
	201-400 units per month	Rs./ kWh	4.00	9.50	Rs./ kWh	4.00	8.50
	>400 units per month	Rs./ kWh	4.35	10.45	Rs./ kWh	4.35	9.50
	Fixed Charges	Rs./ kW or part thereof / month	8.00	90.00	Rs./ kW or part thereof / month	8.00	40.00
C	Un Metered						
	up to 1/4 kW	Rs./ month	227.00	380.0	Rs./ month	227.00	380.0
	Above 1/4 kW up to 1/2 kW	Rs./ month	520.00	800.00	Rs./ month	520.00	800.00
	Above 1/2 kW up to 3/4 kW	Rs./ month	780.00	1100.00	Rs./ month	780.00	1100.00
	Above 3/4 kW up to 1 kW	Rs./ month	1040.00	1370.00	Rs./ month	1040.00	1370.00



Utility		JPDCL			KPDCL		
S. No.	Tariff Category	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff (without Govt Subsidy)	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff for FY 2024-25 (without Govt Subsidy)
	Above 1 kW up to 2 kW	Rs./ month	Rs 1040+260 for every additional 1/4 kW or part thereof up to 2 kW	Rs 1370+260.0 for every additional 1/4 kW or part thereof up to 2 kW	Rs./ month	Rs 1040+260 for every additional 1/4 kW or part thereof up to 2 kW	Rs 1370+260.0 for every additional 1/4 kW or part thereof up to 2 kW
	Above 2 kW	Rs./ month	Rs. 2080 + 650 for every additional 1/4 kW or part thereof above 2 kW	Rs 2840+650.0 for every additional 1/4 kW or part thereof up to 2 kW	Rs./ month	Rs. 20800 + 650 for every additional 1/4 kW or part thereof above 2 kW	Rs 2840+650.0 for every additional 1/4 kW or part thereof up to 2 kW
2	Non-Domestic/ Commercial						
A	Metered Connection						
	Single Phase						
	Up to 200 units/month	Rs./ kWh	3.55	9.00	Rs./ kWh	3.55	6.70
	201-500 units/month	Rs./ kWh	5.40	10.0	Rs./ kWh	5.40	7.0
	>500 units per month	Rs./ kWh	5.85	10.25	Rs./ kWh	5.85	8.50
	Three phase - For all units	Rs./ kVAh	5.85	10.50	Rs./ kVAh	5.85	9.00
	Fixed Charges						
	Single Phase	Rs./kW/month	60.00	120.00	Rs./kW/month	60.00	250.00
	Three phases	Rs./kVA/month	130.00	650.00	Rs./kVA/month	130.00	500.00
B	Un Metered						
	Up to 1/4 kW	Rs./ month	650.00	800.00	Rs./ month	650.00	800.00
	>1/4-1/2 kW	Rs./ month	1300.00	1600.00	Rs./ month	1300.00	1600.00
	>1/2 - 3/4 kW	Rs./ month	1950.00	2400.00	Rs./ month	1950.00	2400.00
	>3/4 - 1 kW	Rs./ month	2600.00	3200.00	Rs./ month	2600.00	3200.00
	Above 1 kW and part	Rs./ month	2600 + 650 for every	3200 + 650 for every additional	Rs./ month	2600 + 6500 for every	3200 + 650 for every additional 1/4 kW or part

JPDCL & KPDCL ARR and Tariff for FY 2024-25

Utility		JPDCL			KPDCL		
S. No.	Tariff Category	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff (without Govt Subsidy)	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff for FY 2024-25 (without Govt Subsidy)
	thereof for every kW above 1 kW	h	additional 1/4 kW or part thereof above 1kW	1/4 kW or part thereof above 1kW		additional 1/4 kW or part thereof above 1kW	thereof above 1kW
3	State/ Central Govt department						
	Energy Charges (Rs/kWh)						
	LT	Rs./kVAh	7.90	10.25	Rs./kVAh	7.90	8.80
	11 kV supply*	Rs./kVAh	7.9	10.25	Rs./kVAh	7.90	8.80
	33 kV supply and above**	Rs./kVAh	7.9	10.00	Rs./kVAh	7.90	8.80
	Fixed Charges						
	For metered consumers	Rs./kVA/month	40.00	100.00	Rs./kVA/month	40.00	100.00
	*2.5% rebate on energy charges.			*2.5% rebate on energy charges.	*2.5% rebate on energy charges		*2.5% rebate on energy charges.
	**5.0% rebate on energy charges.			**5.0% rebate on energy charges.	**5.0% rebate on energy charges		**5.0% rebate on energy charges.
4	Agriculture						
A	Metered						
	Energy Charges						
	0-10 HP	Rs./kWh	0.90	9.50	Rs./kWh	0.90	7.00
	11-20 HP	Rs./kWh	1.15	10.00	Rs./kWh	1.15	8.00
	Above 20 HP	Rs./kWh	6.00	10.25	Rs./kWh	6.00	9.00
	Fixed Charges for connected load						
	0-10 HP	Rs./HP/	20.0	25.0	Rs./HP/	20.0	25.0



Utility		JPDCL			KPDCL		
S. No.	Tariff Category	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff (without Govt Subsidy)	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff for FY 2024-25 (without Govt Subsidy)
		month			month		
	11-20 HP	Rs./HP/month	25.0	30.0	Rs./HP/month	25.0	35.0
	Above 20 HP	Rs./HP/month	45.0	35.0	Rs./HP/month	45.0	50.0
B	Un Metered						
	0-10 HP	Rs./HP/month	325.00	425.00	Rs./HP/month	325.00	425.00
	11-20 HP	Rs./HP/month	357.00	457.00	Rs./HP/month	357.00	457.00
	Above 20 HP	Rs./HP/month	1950.00	3,000.00	Rs./HP/month	1950.00	3,000.00
5	Public Street Lighting						
A	Metered connection						
	Energy Charge	Rs./kWh	8.60	10.80	Rs./kWh	8.60	9.00
	Fixed Charge	Rs./kW	60.00	300.00	Rs./kW	60.00	75.00
B	Unmetered connection	Rs./kW/month or part thereof	4550.00	4550.00	Rs./kW/month or part thereof	4550.00	4550.00
6	LT Public Water Works						
	Energy Charge	Rs./kWh	8.60	10.30	Rs./kWh	8.60	9.00
	Fixed Charge	Rs./kW/month	60.00	75.00	Rs./kW/month	60.00	75.00
7	HT Public Water Works						
A	11 KV supply						
	Energy Charge	Rs./kVAh	8.15	10.25	Rs./kVAh	8.15	8.80
	Demand	Rs./k	250.00	650.00	Rs./kVA	250.00	250.00



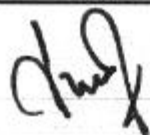
JPDCL & KPDCL ARR and Tariff for FY 2024-25

Utility		JPDCL			KPDCL		
S No.	Tariff Category	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff (without Govt Subsidy)	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff for FY 2024-25 (without Govt Subsidy)
	Charge	VA/m onth			/month		
B	33 KV supply and above						
	Energy Charge	Rs./kVAh	8.05	10.20	Rs./kVAh	8.05	8.80
	Demand Charge	Rs./kVA/m onth	250.00	550.00	Rs./kVA/month	250.00	250.00
8	LT Industrial supply						
A	LTIS- I (For all metered consumers except those covered under LTIS-II						
	For consumers with connected load < 50 kW						
	Energy Charge	Rs./kVAh	4.20	9.50	Rs./kVAh	4.20	7.25
	Fixed Charge	Rs./kVA/month	60.00	250.00	Rs./kVA/month	60.00	650.00
	For consumers with connected load > 50 kW						
	Energy Charge	Rs./kVAh	4.20	9.50	Rs./kVAh	4.20	7.25
	Fixed Charge	Rs./kVA/m onth	60.00	400.00	Rs./kVA/month	60.00	650.00
B	LTIS II (For all metered consumers and having load up to 15 HP)						
	Energy Charge	Rs./kWh	4.20	8.50	Rs./kWh	4.20	7.25
	Fixed Charge	Rs./kW/m onth	30.00	200.00	Rs./kW/month	30.00	600.00
9	HT Industrial supply						
A	11 KV supply						
	Energy Charge	Rs./	4.10	10.25	Rs./	4.10	7.80

Utility		JPDCL			KPDCL		
S. No.	Tariff Category	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff (without Govt Subsidy)	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff for FY 2024-25 (without Govt Subsidy)
		kVAh			kVAh		
	Demand Charge	Rs./kVA/month	175.00	400.00	Rs./kVA/month	175.00	2000.00
B	33 KV supply and above.						
	Energy Charge	Rs./kVAh	4.00	10.00	Rs./kVAh	4.00	7.80
	Demand Charge	Rs./kVA/month	175.00	600.00	Rs./kVA/month	175.00	2000.00
	TOD Tariff: Surcharge/rebate: 10%						
10	HT PIU						
A	11 KV supply						
	Energy Charge	Rs./kVAh	5.00	10.00	Rs./kVAh	5.00	6.25
	Demand Charge	Rs./kVA/month	225.00	250.00	Rs./kVA/month	225.00	410.00
B	33 KV supply and above						
	Energy Charge	Rs./kVAh	4.95	9.00	Rs./kVAh	4.95	6.25
	Demand Charge	Rs./kVA/month	225.00	250.00	Rs./kVA/month	225.00	410.00
	TOD Tariff for 33 kV and above: Surcharge/rebate: 10%			TOD Tariff: Surcharge/rebate: 10%	TOD Tariff for 33 kV and above: Surcharge/rebate: 10%		TOD Tariff: Surcharge/rebate: 10%
11	Bulk supply						
A	11 KV supply						
	Energy Charge	Rs./kVAh	5.60	10.00	Rs./kVAh	5.60	7.80
	Demand Charge	Rs./kVA/month	225.00	250.00	Rs./kVA/month	225.00	600.00
B	33 KV supply and above						

JPDCL & KPDCL ARR and Tariff for FY 2024-25

Utility		JPDCL			KPDCL		
S. No.	Tariff Category	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff (without Govt Subsidy)	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff for FY 2024-25 (without Govt Subsidy)
	Energy Charge	Rs./kVAh	5.55	9.00	Rs./kVAh	5.55	7.50
	Demand Charge	Rs./kVA/month	225.00	250.00	Rs./kVA/month	225.00	600.00
	TOD Tariff for 33 kV and above: Surcharge/ rebate: 10%			TOD Tariff for 33 kV and above: Surcharge/ rebate: 10%	TOD Tariff for 33 kV and above: Surcharge/ rebate: 10%		TOD Tariff for 33 kV and above: Surcharge/ rebate: 10%
12	Electric Vehicle Charging						
A	LT Supply						
	Energy Charge	Rs./kVAh	7.00	10.50	Rs./kVAh	7.00	8.80
	Demand Charge	Rs./kVA/month	0.00	0.00	Rs./kVA/month	0.00	0.00
B	11 KV supply						
	Energy Charge	Rs./kVAh	6.90	10.30	Rs./kVAh	6.9	8.70
	Demand Charge	Rs./kVA/month	0.00	0.00	Rs./kVA/month	0.00	0.00
C	33 kV Supply						
	Energy Charge	Rs./kVAh	6.80	10.20	Rs./kVAh	6.8	8.60
	Demand Charge	Rs./kVA/month	0.00	0.00	Rs./kVA/month	0.00	0.00
	TOD Tariff for 33 kV and above: Surcharge/ rebate: 10%				TOD Tariff for 33 kV and above: Surcharge/ rebate: 10%		
13	Traction						



Utility		JPDCL			KPDCL		
S. No.	Tariff Category	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff (without Govt Subsidy)	Unit	Existing Tariff FY 2023-24	Proposed Full Cost Tariff for FY 2024-25 (without Govt Subsidy)
	11 kV/ 33 kV and above Supply						
	Energy Charge	Rs./ kVAh	5.40	9.00	Rs./ kVAh	5.40	6.50
	Demand Charge	Rs./ kVA/ month	300.00	300.00	Rs./ kVA/ month	300.00	350.00
	TOD* Tariff only for 33 kV: Surcharge/ rebate: 10%			TOD Tariff only for 33 kV: Surcharge: 20% and rebate: 10%	TOD* Tariff only for 33 kV: Surcharge/ rebate: 10%		TOD Tariff only for 33 kV: Surcharge: 20% and rebate: 10%

2.6 The Petitioners (JPDCL & KPDCL) have not proposed any change in the No. of Tariff categories, slabs, rebate/ surcharge, applicability, and character of services.

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Chapter 3: Annual Performance Review (APR) of FY 2023-24

Introduction

- 3.1** Regulations 11.2 of the adopted Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018 prescribes filing of APR for the current year. The relevant extract of the Regulation is as follows:

"11.2 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 the ensuing Year on or before 30th November of each Year, in formats specified by the Commission from time to time: Provided that the Generating Company, Transmission Licensee or Distribution Licensee, as the case may be, shall submit to the Commission information in such form as may be specified by the Commission, together with the audited accounts, extracts of books of account and such other details as the Commission may require to assess the reasons for and extent of any variation in financial performance from the approved forecast of Aggregate Revenue Requirement and Expected Revenue from Tariff and Charges."

Regulation 11.3 of the adopted Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018 specifies the scope of the APR Petition. The relevant extract of the Regulation is as follows:

"11.3 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}*

No. of consumers, connected load and energy sales**JPDCL's submission**

- 3.2** The number of consumers, connected load (in MW) and energy sales (MU) in FY 2024-25 as submitted by JPDCL is as under:

Table 6 No. of consumers, Connected Load and Energy sales of JPDCL in FY 2023-24

Consumer Category	No. of consumers	Connected Load/Sanction Load (in MW)	Energy Sales (MU)
Domestic – Metered	894823	1094.72	1787.29
Domestic – Unmetered	117593	126.96	
Non-Domestic/Commercial - Metered	128028	249.93	743.94
Non-Domestic/Commercial – Unmetered	324	1.16	
State/Central Govt department	10438	177.57	661.58
Agriculture – Metered	27111	97.32	302.24
Agriculture – Unmetered	0	0.00	
Public Street Lighting - Metered	213	4.49	108.27
Public Street Lighting - Unmetered	0	0.00	
LT Public Water Works	1817	65.08	488.28
HT Public Water Works	260	28.38	198.47
LT Industrial Supply	9774	176.75	188.29
HT Industrial Supply	911	348.94	979.35
HT PIU	14	36.23	115.98
Bulk Supply	235	95.54	222.67
Electric Vehicle (EV) Charging Station	5	3.31	9.43
Traction	3	4.40	63.48
Total	1191549	2510.78	5869.28

KPDCL's submission

- 3.3** The number of consumers, connected load (in MW) and energy sales (MU) in FY 2024-25 as submitted by KPDCL is as under:

Table 7 No. of Consumers, Connected load/sanctioned load (MW) by KPDCL for FY 2023-24

Consumer Category	Number of Consumers			Connected Load/Sanctioned Load (in MW)		
	Approved in Tariff Order	(H1) Cumulative Actuals	(H2) Cumulative Projected	Approved in Tariff Order	(H1) cumulative Actual	(H2) cumulative Projected
Domestic - Metered	1036452	203349	256675	1908.08	546	689
Domestic - Unmetered		726911	757552		635	678
Non-Domestic/Commercial - Metered	162151	129962	136989	394.96	354.83	372.05

Non-Domestic/Commercial - Unmetered		28738	27089		37	35
State/Central Govt department	5030	5151	5429	179.77	175.96	184.96
Agriculture - Metered	1069	1103	1,436	68.11	55	72
Agriculture - Unmetered		252	0		14	0
Public Street Lighting - Metered	190	128	228	1.72	4.95	8.82
Public Street Lighting - Unmetered		80	0		1.09	-
LT Public Water Works	593	448	448	17.21	13.83	17.21
HT Public Water Works	339	314	315	29.49	29.75	29.83
LT Industrial Supply	11815	10995	11020	233.73	176.28	178.47
HT Industrial Supply	272	267	293	118.47	129.99	138.50
HT PIU	2	3	2	0.511	4.95	1.33
Bulk Supply	88	130	135	34.14	51.03	53.13
Electric Vehicle (EV) Charging Station	2	0	2	1.09	0.00	1.19
Traction	2	0	2	0.79	0.00	0.50
Total	1218005	1107831	1197616	2988.07	2229.66	2459.99

3.4 The forecast of sales in MU by KPDCL for Fy 2023-24 is as under:

Table 8 Forecast of sales in MU by KPDCL for Fy 2023-24

Consumer Category	Approved By Commission	(H1) Actual	(H2) Projected	Total
Domestic	2850.1	1507.86	1843.5	3351.36
Non-Domestic/ Commercial	597.56	267.73	313.04	580.76
State/Central Govt department	363.77	190.18	242.1	432.28
Agriculture	110.4	61.07	21.12	82.19
Public Street Lighting	12.29	8.29	38.76	47.05
LT Public water works	65.72	16.21	19.2	35.41
HT Public water works	83.28	36.65	40.04	76.7
LT Industrial supply	102.85	57.79	54.4	112.19
HT Industrial supply	326.94	156.56	149.7	306.26
HT-PIU Industrial Supply	0.17	0.51	0.51	1.01
General Purpose Bulk	45.41	32.34	39.66	72
EV Charging Station	1.49	0.56	0.56	1.13
Traction	1.63	0.49	0.49	0.99
Total	4561.61	2336.24	2763.08	5099.33

Energy Balance

Petitioner's Submission

Transmission Losses

3.5 The Petitioners (JPDCL & KPDCL) have considered the following transmission losses for the FY 2023-24:

Utility	JPDCL	KPDCL
Particulars	Estimate of losses for FY 2023-24	Estimated of losses for FY 2023-24
JKPTCL/ InSTS losses	3.07%	3.15%
ISTS losses	3.43%	3.43%

Distribution Losses

3.6 The JPDCL has estimated that, as the various loss reduction measures will pick pace in FY 2024-25, the Petitioner will be able to reduce distribution losses by around ~ 3%.

3.7 The distribution losses considered by KPDCL are as under:

Quarter	Net Input energy at DISCOM periphery (MU)	Total Energy Billed by DISCOM (MU)	Distribution losses (MU)	Distribution losses (%)
Q1 FY 2023-24	3119.71	1191.57	1928.14	
Q2 FY 2023-24	2181.49	1232.7	948.79	
(Q1+Q2) of FY 2023-24	5301.20	2424.27	2876.93	54.27%

3.8 In the light of above, the Petitioner has considered actual levels of distribution losses of Petitioner which are ~36% for JPDCL, 54.27% for KPDCL and ~34% for LPDD.

Energy Balance

3.9 The projected Energy balance by Petitioners (JPDCL & KPDCL) for FY 2023-24 is as under:

Table 9 Projected Energy balance for 2023-24

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 ^{SS}	5552.34	36.61%	8758.59		8758.59
KPDCL ^{^^}	5099.33	54.27%	11150.97		11150.97
LPDD ^{**}	182.79	34.20%	277.81	15.58	262.23
Total	10834.45		20187.37		20171.79

^{SS}Distribution losses of JPDCL arrived at after adjustment for sales and energy at DISCOM periphery.

^{^^}Distribution losses of KPDCL at actuals as per Energy Audit Report for Q1 and Q2 of FY 2023-24.

^{**}Distribution losses of LPDD have been gradually reducing from 36% to 35% over the last 2 years, considering the same they are assumed at 34.20%.

Energy required at DISCOM level	Intra-state Transmission loss	Energy required at UT level from JKPCCL	Supply by JKPDCCL 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
20171.79	3.15%	20827.87	3922.62	16905.25	3.43%	17505.54

3.10 The following table provides the summary of the total quantum of energy purchase required at DISCOM periphery and projected power purchase quantum for FY 2023-24:

Table 10: Projected Power purchase quantum at DISCOM periphery (JPDCL, KPDCL and LPDD) & at Generation periphery for FY 2023-24

Particulars	Legend	FY 2023-24 (APR Projection)
Total quantum of energy purchase required at JKPCCL <- DISCOM periphery (MU)	A	20187.37
Supply by JKPDCCL and others within UT at UT level at Generation Periphery (MU)	B	3922.62
Supply by CGS and other external sources at Generation Periphery (MU)	C	17505.54
Total quantum of energy purchase at Generation Periphery (MU)	D = C+B	21428.16

Power Purchase Expenses

Petitioner's Submission

- 3.11** The Petitioner submitted that Petitioner has arrived at the revised estimate of power purchase expenses for FY 2023-24 based on the total quantum of energy purchased required at the generation periphery and actual power purchase rates and cost for the months from April 2023 to November 2023 as submitted by JKPCCL.
- 3.12** **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 2023 to November 2023 as submitted by JKPCCL. For projecting the power purchase for the remaining months of December 2023 to March 2024 the Petitioner has considered the quantum, energy charge and capacity charges as projected by JKPCCL.
- 3.13** **Power Purchase from JKPDCCL's hydropower stations:** The Commission approved the tariff for JKPDCCL's hydropower stations vide its Order No. JERC/ 10 of 2023 dated 10 October 2023 till 9th October 2023 the Tariff Order applicable for FY 2022-23 for the JKPDCCL's hydropower stations was applicable. Further, the Petitioner has considered the actual monthly quantum of energy procured during the months from April 2023 to November 2023 as submitted by JKPCCL and has considered the estimated quantum of

energy for the remaining months of December 2023 to March 2024. As for the capacity charges and variable charge rate the Petitioner has considered it as applicable according to the Commission's Tariff order for JKPCL for FY 2022-23 till 9th October 2023 and for the period from 10 October 2023 onwards the Petitioner has considered capacity charges and variable charge rate based on Commission's Order dated 10 October 2023. The capacity charges and energy charges for FY 2023-24 are projected based on pro-rated No. Of days i.e. 1 April 2023 to 9 October 2023 (191 days) and from 10 October 2023 to 31 March 2024 (174 days).

- 3.14 Power Purchase from Renewable (Solar) sources:** Currently, JKPCL is procuring 20 MW of solar power from NHPC Ltd. (Source: Aavada). The Petitioner has considered the actual quantum of power source for the months from April 2023 to November 2023 as submitted by JKPCL and has considered the projected quantum of power for the remaining months of FY 2023-24 as estimated by JKPCL. As for the rate it is considered as per PPA approved by the Commission.
- 3.15 Power Purchase from short term sources:** 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 2023 to November 2023, JKPCL purchased Rs. 788.23 crore worth of power from short-term sources. Considering the prevailing power purchase rate on the power exchanges JKPCL has a projected rate of Rs. 5.70/ kWh. for any additional power to be purchased during the remaining months of FY 2023-24. Considering this it is estimated that Rs. 2646.05 crores would be spent on the purchase of power from short-term sources in FY 2023-24.
- 3.16 JKPTCL Transmission charges:** The Commission has approved Transmission charges of Rs. 16.01 crores/ month for FY 2023-24 vide its Order No. JERC/ 11 of 2023 dated 10 October 2023. The same is considered for FY 2023-24.
- 3.17 PGCIL Transmission charges:** In FY 2022-23, JKPCL incurred CTU charges of Rs. 1081.128 crores. CTU charges are based on the capacity allocation. It is estimated that for FY 2023-24 there are no likely changes in the transmission capacity allocation and therefore, the same estimated transmission charges are considered for FY 2023-24.
- 3.18 Transmission charges for power sourced from Tanda station:** In FY 2022-23, JKPCL incurred around Rs. 14 crores towards transmission charges for wheeling power from NTPC's Tanda power station. The same is considered as an estimate for FY 2023-24.
- 3.19 Other Charges:** Other charges such as POSOCO charges, Reactive Energy charges, water usage charges levied by NHPC, and Deviation and Settlement Account charges are considered at actuals for H1 of FY 2023-24. It is estimated that for H2 of FY 2023-24, the other charges will be equal to that of H1 of FY 2023-24.
- 3.20 JKPCL Trading Margin:** The Commission vide its Order No. JERC/7 of 2022, dated 21st November 2022, approved a 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. A trading margin of Rs. 0.02/ kWh has been considered toward the power purchase cost.
- 3.21 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 changes in law such as increases in railway freight, increases in coal prices, duties and levies etc. In FY 2022-23 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. 998 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 turning up.

- 3.22 Merit Order Despatch:** JKPCL procures power from various power plants on the basis of the 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 the case of JKSPDCL's hydropower station, the variable charge rate as approved by the Commission was considered. The simulated Merit Order for despatch for the remaining period of FY 2023-24 is as follows:

Table 11: Projected Merit Order Despatch for remaining period of FY 2023-24

Name of power station	Source	Source	Variable Charges (Rs./ kWh)
Stakna	Hydro	Must Run	0.24
Kishanganga	Hydro	Must Run	0.25
Lower Jhelum Hep	Hydro	Must Run	0.41
Ganderbal Hep	Hydro	Must Run	0.51
Salal	Hydro	Must Run	0.54
Chenani Hep-I	Hydro	Must Run	0.54
Uri	Hydro	Must Run	0.54
Ushp li Kangan	Hydro	Must Run	0.59
Ushp I Sumbal	Hydro	Must Run	0.66
Bhaderwah Hep	Hydro	Must Run	0.69
Bhep-1	Hydro	Must Run	0.84
Uri-li	Hydro	Must Run	0.87
Sewa-li	Hydro	Must Run	0.93
Chenani Hep-iii	Hydro	Must Run	0.94
Chenani Hep-li	Hydro	Must Run	0.95
Chamera-li	Hydro	Must Run	1.07
Chamera-I	Hydro	Must Run	1.14
Sewa Hep-iii	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
Pahalgam Mhep	Hydro	Must Run	1.55
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
Karnah Hep	Hydro	Must Run	1.76
Marpachoo Hep	Hydro	Must Run	1.88
Hunder	Hydro	Must Run	2.07
Thdc	Hydro	Must Run	2.12
Jhanor Gandhar	Thermal	Merit Order	2.17
Kawas 4 Gas	Thermal	Merit Order	2.20
Chamera-iii	Hydro	Must Run	2.21
Sanjak	Hydro	Must Run	2.25
Igo Mercellong Hep	Hydro	Must Run	2.26
Ptc Thep	Hydro	Must Run	2.27
Dadri (Gas)	Thermal	Merit Order	2.34
Anta (Gas)	Thermal	Merit Order	2.36
Auriya (Gas)	Thermal	Merit Order	2.38
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
Bhep-2	Hydro	Must Run	2.61
Nhpc (Solar 20 Mw - Aavada)	Solar	Must Run	2.63
Bazgo	Hydro	Must Run	2.74
Sumoor	Hydro	Must Run	2.76
Thdc Koteswar	Hydro	Must Run	2.78
Haftal Hep	Hydro	Must Run	2.94
Naps 1&2	Nuclear	Must Run	2.99
Kahalgaon-ii	Thermal	Merit Order	3.05
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
Kawas 4 Liquid	Thermal	Merit Order	8.44
Jhanor Gandhar RIng	Thermal	Merit Order	11.01
Kawas 4 RIng	Thermal	Merit Order	11.11
Dadri (RIng)	Thermal	Merit Order	11.12
Anta (RIng)	Thermal	Merit Order	11.58
Auriya (RIng)	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

3.23 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 12: Station wise power purchase quantum and expenses for FY 2023-24 (H1 Actuals + H2 Projected) (in Rs. Crores)

Sr. No.	Name of Power Station	Fuel Source	Annual Energy Purchase MU	Variable Charge rate		Capacity Charges		Energy Charges	Other Charges	Total Charges
				(Apr 23-9 Oct 23) Rs./ kWh	(10 Oct 23- Mar 24) Rs./kWh	(Apr 23-9 Oct 23) Rs. Crores	(10 Oct 23- Mar 24) Rs. Crores			
1	IPP-Within UT		14.63					6.44	0.00	6.44
2	KHARI	Hydro	14.63	4.40	4.40	0.00	0.00	6.44	0.00	6.44
3	KPDC		3907.99			162.10	144.50	548.31	0.00	854.91
4	BAZGO	Hydro	0.24	1.89	2.74	0.10	0.14	0.06	0.00	0.31
5	BHADERWAH HEP	Hydro	0.00	0.41	0.69	0.20	0.31	0.00	0.00	0.50
6	BHEP-1	Hydro	1705.85	0.95	0.84	124.10	100.03	155.07	0.00	379.20
7	BHEP-2	Hydro	1364.84	2.61	2.61	0.00	0.00	356.22	0.00	356.22
8	CHENANI HEP-I	Hydro	59.87	0.42	0.54	2.40	2.18	2.78	0.00	7.36
9	CHENANI HEP-II	Hydro	0.86	0.53	0.95	0.33	0.53	0.08	0.00	0.95
10	CHENANI HEP-III	Hydro	3.85	0.79	0.94	1.51	1.63	0.32	0.00	3.46
11	GANDERBAL HEP	Hydro	13.86	0.34	0.51	1.58	2.18	0.57	0.00	4.33
12	HAFTAL HEP	Hydro	0.41	1.36	2.94	0.35	0.68	0.09	0.00	1.11
13	HUNDER	Hydro	0.47	1.52	2.07	0.14	0.17	0.08	0.00	0.40
14	IGO MERCELLONG HEP	Hydro	4.96	0.70	2.26	0.58	1.69	0.58	0.00	2.85
15	IQBAL HEP	Hydro	0.39	1.09	1.19	1.20	1.19	0.05	0.00	2.44
16	KARNAH HEP	Hydro	7.74	1.92	1.76	1.13	0.94	1.42	0.00	3.49
17	LOWER JHELMUM HEP	Hydro	544.00	0.33	0.41	10.30	11.87	19.68	0.00	41.85
18	MARPACHOO HEP	Hydro	0.20	1.08	1.88	0.27	0.43	0.03	0.00	0.73
19	PAHALGAM MHEP	Hydro	4.09	1.74	1.55	1.56	1.26	0.68	0.00	3.51
20	SANJAK	Hydro	0.64	1.91	2.25	0.44	0.47	0.13	0.00	1.04
21	SEWA HEP-III	Hydro	0.00	1.14	1.85	1.95	2.88	0.00	0.00	4.83
22	STAKNA	Hydro	0.00	0.25	0.24	0.25	0.22	0.00	0.00	0.47
23	SUMMOOR	Hydro	0.11	2.02	2.76	0.05	0.06	0.03	0.00	0.13

JPDCL & KPDCL ARR and Tariff for FY 2024-25

Sr. No.	Name of Power Station	Fuel Source	Annual Energy Purchase	Variable Charge rate		Capacity Charges		Energy Charges	Other Charges	Total Charges
				(Apr 23-9 Oct 23) Rs./kWh	(10 Oct 23- Mar 24) Rs./kWh	(Apr 23-9 Oct 23) Rs. Crores	(10 Oct 23- Mar 24) Rs. Crores			
24	USHP I SUMBAL	Hydro	41.57	0.42	0.66	2.31	3.30	2.39	0.00	8.00
25	USHP II KANGAN	Hydro	154.02	0.49	0.59	11.34	12.33	8.06	0.00	31.74
26	NHPC		4223.93				518.15	443.90	0.26	962.31
27	CHAMERA-I	Hydro	81.48	1.14	0.00	0.00	7.91	9.28	0.00	17.19
28	CHAMERA-II	Hydro	131.22	1.07	0.00	0.00	14.36	14.10	0.02	28.48
29	CHAMERA-III	Hydro	100.74	2.21	0.00	0.00	22.16	22.28	0.02	44.46
30	CHUTAK	Hydro	159.04	3.88	0.00	0.00	99.60	61.71	0.00	161.31
31	DAULIGANGA	Hydro	112.04	1.45	0.00	0.00	13.51	16.28	0.02	29.81
32	DULHASTI	Hydro	509.87	1.16	0.00	0.00	43.86	59.11	0.01	102.98
33	KISHANGANGA	Hydro	264.30	0.25	0.00	0.00	8.69	6.56	0.01	15.26
34	NIMOO-BAZGO	Hydro	221.98	3.80	0.00	0.00	99.28	84.36	0.00	183.65
35	PARBATI-III	Hydro	38.96	1.54	0.00	0.00	43.04	6.00	0.12	49.15
36	SALAL	Hydro	1166.70	0.54	0.00	0.00	55.04	62.61	0.01	117.66
37	SEWA-II	Hydro	99.73	0.93	0.00	0.00	16.00	9.30	0.01	25.31
38	TANAKPUR	Hydro	32.96	2.48	0.00	0.00	19.42	8.16	0.01	27.59
39	URI	Hydro	895.07	0.54	0.00	0.00	42.52	48.58	0.01	91.11
40	URI-II	Hydro	409.83	0.87	0.00	0.00	32.76	35.56	0.01	68.33
41	NPCIL		1182.94				0.02	406.33	0.00	406.33
42	KAPS	Nuclear	28.10	3.97	0.00	0.00	0.00	11.14	0.00	11.14
43	NAPS 1&2	Nuclear	383.91	2.99	0.00	0.00	0.00	114.70	0.00	114.70
44	RAPP 3&4 and 5&6	Nuclear	731.79	3.65	0.00	0.00	0.02	267.10	0.00	267.13
45	TAPS 3&4	Nuclear	39.14	3.42	0.00	0.00	0.00	13.38	0.00	13.38
46	NTPC		5885.50				816.78	1599.57	63.64	2479.99
47	ANTA (GAS)		0.00	2.36	0.00	0.00	0.00	0.00	0.00	0.00

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JPDCL & KPDCL ARR and Tariff for FY 2024-25

Sr. No.	Name of Power Station	Fuel Source	Annual Energy Purchase MU	Variable Charge rate		Capacity Charges		Energy Charges	Other Charges	Total Charges
				(Apr 23-9 Oct 23) Rs./kWh	(10 Oct 23- Mar 24) Rs./kWh	(Apr 23-9 Oct 23) Rs. Crores	(10 Oct 23- Mar 24) Rs. Crores			
48	ANTA (LIQUID)	Thermal	0.00	13.41	0.00	0.00	0.00	0.00	Rs. Crores	Rs. Crores
49	ANTA (RLNG)	Thermal	0.16	11.58	0.00	0.00	26.25	0.18	0.00	26.43
50	AURIYA	Thermal	0.00	13.36	0.00	0.00	0.00	0.00	0.00	0.00
51	AURIYA (GAS)	Thermal	0.00	2.38	0.00	0.00	0.00	0.00	0.00	0.00
52	AURIYA (RLNG)	Thermal	0.96	11.62	0.00	0.00	68.16	1.12	0.00	69.28
53	DADRI (GAS)	Thermal	0.00	2.34	0.00	0.00	0.00	0.00	0.00	0.00
54	DADRI (LIQUID)	Thermal	0.00	24.89	0.00	0.00	0.00	0.00	0.00	0.00
55	DADRI (RLNG)	Thermal	1.73	11.12	0.00	0.00	31.48	1.93	21.76	55.16
56	FARAKKA	Thermal	95.02	3.38	0.00	0.00	7.63	32.10	3.73	43.46
57	GARDWARA	Thermal	59.13	3.61	0.00	0.00	16.42	21.32	0.00	37.74
58	JHANOR GANDHAR	Thermal	0.00	2.17	0.00	0.00	0.00	0.00	0.00	0.00
59	JHANOR GANDHAR NAPM	Thermal	0.00	2.46	0.00	0.00	-0.72	0.00	0.72	0.00
60	JHANOR GANDHAR RLNG	Thermal	0.03	11.01	0.00	0.00	0.03	0.03	0.00	0.06
61	KAHALGAON-I	Thermal	208.46	3.22	0.00	0.00	18.52	67.17	0.00	85.69
62	KAHALGAON-II	Thermal	592.40	3.05	0.00	0.00	36.91	180.90	0.03	217.85
63	KAWAS 4 GAS	Thermal	0.00	2.20	0.00	0.00	0.00	0.00	0.00	0.00
64	KAWAS 4 LIQUID	Thermal	0.00	8.44	0.00	0.00	0.00	0.00	0.00	0.00
65	KAWAS 4 NAPM	Thermal	0.00	2.48	0.00	0.00	0.00	0.00	0.00	0.00
66	KAWAS 4 RLNG	Thermal	0.02	11.11	0.00	0.00	0.02	0.02	0.00	0.04
67	KHARGONE	Thermal	49.28	3.90	0.00	0.00	14.17	19.24	3.04	36.46
68	KOLDAM	Hydro	384.68	2.45	0.00	0.00	106.36	94.32	0.00	200.68
69	KORBA-1	Thermal	45.43	1.43	0.00	0.00	4.82	6.49	0.27	11.58
70	KORBA-3	Thermal	22.64	1.40	0.00	0.00	4.85	3.17	0.82	8.83
71	LARA	Thermal	63.40	1.36	0.00	0.00	12.74	8.62	0.38	21.74

JPDCL & KPDCL ARR and Tariff for FY 2024-25

Sr. No.	Name of Power Station	Fuel Source	Annual Energy Purchase MU	Variable Charge rate		Capacity Charges		Energy Charges	Other Charges	Total Charges
				(Apr 23-9 Oct 23) Rs./kWh	(10 Oct 23-Mar 24) Rs./kWh	(Apr 23-9 Oct 23) Rs. Crores	(10 Oct 23-Mar 24) Rs. Crores			
72	MEJA	Thermal	431.62	3.19	0.00	0.00	62.13	137.82	0.00	199.95
73	MOUDA 1	Thermal	33.75	3.54	0.00	0.00	8.85	11.96	0.28	21.09
74	MOUDA 2	Thermal	47.16	3.58	0.00	0.00	10.93	16.88	0.01	27.83
75	NCTP-2	Thermal	62.62	4.66	0.00	0.00	14.70	29.20	0.66	44.56
76	RIHAND-I	Thermal	588.01	1.56	0.00	0.00	33.61	91.46	0.00	125.07
77	RIHAND-II	Thermal	757.19	1.55	0.00	0.00	40.99	117.50	0.42	158.91
78	RIHAND-III	Thermal	558.87	1.53	0.00	0.00	73.36	85.64	0.60	159.60
79	SINGRAULI HYDRO	Hydro	1.61	5.04	0.00	0.00	0.00	0.81	0.00	0.81
80	SINGRAULI THERMAL	Thermal	123.15	1.51	0.00	0.00	8.07	18.58	4.95	31.61
81	SIPAT-1	Thermal	67.68	1.35	0.00	0.00	11.56	9.15	0.02	20.72
82	SIPAT-2	Thermal	28.83	1.39	0.00	0.00	5.66	4.02	0.10	9.78
83	SOLAPUR	Thermal	51.20	4.44	0.00	0.00	13.02	22.76	0.00	35.77
84	TANDA	Thermal	542.63	3.79	0.00	0.00	55.02	205.76	0.02	260.80
85	UNCHAHAR-1	Thermal	123.64	4.75	0.00	0.00	19.31	58.70	0.00	78.01
86	UNCHAHAR-2	Thermal	245.58	3.65	0.00	0.00	21.85	89.55	0.04	111.44
87	UNCHAHAR-3	Thermal	119.63	4.65	0.00	0.00	12.08	55.62	0.01	67.71
88	UNCHAHAR-4	Thermal	421.83	4.35	0.00	0.00	56.86	183.40	1.23	241.49
89	VINDHYACHAL-1	Thermal	37.49	1.59	0.00	0.00	5.55	5.95	0.13	11.64
90	VINDHYACHAL-2	Thermal	29.92	1.53	0.00	0.00	4.52	4.58	0.12	9.22
91	VINDHYACHAL-3	Thermal	32.23	1.52	0.00	0.00	4.43	4.89	0.83	10.16
92	VINDHYACHAL-4	Thermal	37.68	1.50	0.00	0.00	2.26	5.64	16.74	24.64
93	VINDHYACHAL-5	Thermal	19.85	1.55	0.00	0.00	4.40	3.08	6.73	14.20
94	Other CSPP		1576.62				195.39	324.30	0.74	520.44
95	JHAJJAR APCPL	Thermal	5866.22	4.41	0.00	0.00	30.68	130.84	0.00	161.52

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JPDCL & KPDCL ARR and Tariff for FY 2024-25

Sr. No.	Name of Power Station	Fuel Source	Annual Energy Purchase MU	Variable Charge rate		Capacity Charges		Energy Charges	Other Charges	Total Charges
				(Apr 23-9 Oct 23) Rs./kWh	(10 Oct 23- Mar 24) Rs./kWh	(Apr 23-9 Oct 23) Rs. Crores	(10 Oct 23- Mar 24) Rs. Crores			
96	PTC THEP	Hydro	22.10	2.27	0.00	0.00	0.00	5.02	Rs. Crores	5.02
97	SJVNL NJ	Hydro	644.66	1.20	0.00	0.00	64.01	77.55	0.66	142.22
98	SJVNL Rampur	Hydro	256.08	1.14	0.00	0.00	37.33	29.20	0.03	66.55
99	THDC	Hydro	264.09	2.12	0.00	0.00	37.84	55.85	0.03	93.72
100	THDC KOTESHWAR	Hydro	92.87	2.78	0.00	0.00	25.53	25.84	0.03	51.40
101	Short Term		4586.42				0.00	2646.05	0.00	2646.05
102	OTHER SOURCES (PX, BILATERAL, DEEP PORTAL)		4586.42	5.70	0.00	0.00	0.00	2646.05	0.00	2646.05
103	RENEWABLE		50.12				0.00	13.18	0.00	13.18
104	NHPC (Solar 20 MW - Aavada)	Solar	50.12	2.63	0.00	0.00	0.00	13.18	0.00	13.18
105	SUPPLEMENTARY BILLS					0.00	0.00	0.00	998.57	998.57
106	JKPCL TRADING MARGIN			0.02	0.00	0.00	0.00	42.86	0.00	42.86
107	JKPCL Trading Margin			0.02	0.00	0.00	0.00	42.86	0.00	42.86
108	Transmission Charges						1287.25	0.00	54.03	1341.28
109	JKPTCL						192.12	0.00	0.00	192.12
110	PGCIL						1081.13	0.00	0.00	1081.13
111	TANDA TRANSMISSION CHG						14.00	0.00	0.00	14.00
112	POSOCO CHARGES						0.00	0.00	2.22	2.22
113	DEVIATION & SETTLEMENT A/C						0.00	0.00	51.81	51.81
114	Other Charges						0.00	0.00	298.68	298.68
115	NHPC WATER USAGE CHG.						0.00	0.00	297.70	297.70
116	REACTIVE ENERGY CHG. (CTU)						0.00	0.00	0.98	0.98
117	Grand Total		21428.16	0.00	0.00	162.10	2962.06	6030.93	1415.93	10571.02

3.24 JPDCL's submission

The total power purchase cost from various generating stations at the generation periphery and other related expenses (transmission charges, water charges, POSOCO charges, JKPCCL 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 13: Apportionment of Power Purchase Cost (in Rs crores) for JPDCL

Particulars	Legend	FY 2023-24 APR	Approved by Commission	Deviation
Cost of Total Power Purchase (Rs. Crore)	A	10571.02	5800.75	
Total Energy purchased at DISCOM periphery (MU)	B	20187.37	12875.16	
Average power purchase cost at DISCOM periphery (MU)	$C = A/B \times 10$	5.24	4.505	
Energy at JPDCL periphery (MU)	D	8758.59	6385.57	
Power Purchase Cost for JPDCL (Rs. Crores)	$E = C \times D$	4586.40	2876.94	(1709.46)

KPDCL's submission

- 3.25** The total power purchase cost from various generating stations at the generation periphery and other related expenses (transmission charges, water charges, POSOCO charges, JKPCCL 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 (in Rs crores) for KPDCL

Particulars	Legend	FY 2023-24 APR	Approved by Commission	Deviation
Cost of Total Power Purchase (Rs. Crore)	A	10571.02	5800.75	
Total Energy purchased at DISCOM <> JKPCCL- periphery (MU)	B	20187.37	12875.16	
Average power purchase cost at DISCOM <> JKPCCL periphery (MU)	$C = A/B \times 10$	5.24	4.505	
Energy at KPDCL periphery (MU)	D	11150.97	4561.61	
Power Purchase Cost for KPDCL (Rs. Crores)	$E = C \times D$	5839.15	2649.70	(3189.45)

Capital Expenditure and Capitalization**JPDCL's submission**

- 3.26** JPDCL projects to incur capital expenditure of Rs. 301.17 crores in the FY 2024-25. This includes Rs. 257.62 crores under the RDSS scheme and Rs. 43.55 crores on account of various UT Government schemes during FY 2024-25.
- 3.27** The details of the Capital expenditure projected to be incurred in FY 2024-25 are as follows:

Table 15: Capital Expenditure incurred in FY 2023-24 by JPDCL (in Rs crores)

Particulars	Total Cost	Revised Estimate
		FY 2024-25
Smart Metering Work	678.81	237.58
ERP System/Any other Software	50.59	20.00
HVDS	100.20	35.07
Distribution Lines (LT Bare to LT AB & 11 KV Bifurcation)	928.54	324.99
Segregation & Reconductoring	493.44	172.70
Augmentation/ Replacement of DTs	392.28	137.30
Barbed Wires and Capacitor Banks	149.17	52.21
Subtotal (A)	2793.03	979.85
State UT Scheme (B)*	81.93	43.55
REC Loan (C)	41.59	0.00
Total (D) = (A) + (B) + (C)	2916.56	1023.41

3.28 The details of the projected capitalization for the FY 2024-25 are as follows:

Table 16: Detailed Project-wise Capitalization for JPDCL for FY 2024-25 (in Rs. crores)

Particulars	ARR
	FY 2024-25
Smart Metering Work	145.94
ERP System/Any other Software	16.00
HVDS	21.54
Distribution Lines (LT Bare to LT AB & 11 KV Bifurcation)	199.64
Segregation & Reconductoring	106.09
Augmentation/ Replacement of DTs	84.34
Barbed Wires and Capacitor Banks	32.07
Subtotal (A)	605.62
State UT Scheme (B)*	31.35
REC Loan (C)	16.44
Total (D) = (A) + (B) + (C)	653.40

KPDCL's submission

3.29 The details of the actual Capital Expenses for H1 FY 2023-24 and planned capital expenses for H2 FY 2023-24 are summarized in the following table. For comparison planned capital expenditure approved by the commission in the business plan is taken as the basis.

Table 17: KPDCL Details of actual and estimated capital expenditure in FY 2023-24 (in Rs. Crores)

Particulars	Total Cost	Approved in Tariff Order	Actual (H1)	Projected (H2)	Total (H1+H2)	Deviation
		(A)	(B)	(C)	(D)=(B)+(C)	(E)=(A)-(D)
RDSS Scheme						
Smart Metering Works	635.24	218.63	0.00	63.52	63.52	155.11
IT/ OT Enablement Works	67.04	20.11	0.00	6.70	6.70	13.41
Conversion of LT Network to HT with replacement of Old DTs	1116.20	334.86	0.00	111.62	111.62	223.24
LT Bare to LT AB	475.51	142.65	0.00	47.55	47.55	95.10
Bifurcation and Segregation	200.14	60.04	0.00	20.01	20.01	40.03
Reconductoring	326.37	97.91	0.00	32.64	32.64	65.27
Sub Total (A)	2820.50	874.20	0.00	282.05	282.05	592.15
UT Schemes						
State UT Schemes (B)	796.95	277.89	23.07	352.78	375.85	(97.96)
PMDP Urban (C)	173.28	173.28	173.28	0.00	173.28	0.00
Grand Total (A+B)	3790.74	1325.39	196.35	634.83	831.18	494.21

3.30 The details of the actual capitalization for H1 FY 2023-24 and planned capitalization for H2 FY 2023-24 are discussed in the following table. For comparison Capitalization as approved in the business plan for FY 2023-24 is taken as the basis.

Table 18: Details of actual and estimated capitalization in FY 2023-24 (in Rs. Crores) by KPDCL

Particulars	Approved in Tariff Order	Actual (H1)	Projected (H2)	Total	Deviation
	(A)	(B)	(C)	(D)=(B)+(C)	(E)=(A)-(D)
Smart Metering Works	218.63	0.00	31.76	31.76	186.87
IT/ OT Enablement Works	0.00	0.00	3.35	3.35	(3.35)
Conversion of LT Network to HT with replacement of Old DTs	167.43	0.00	55.81	55.81	111.62
LT Bare to LT AB	71.33	0.00	23.78	23.78	47.55
Bifurcation and Segregation	30.02	0.00	10.01	10.01	20.01
Reconductoring	48.96	0.00	16.32	16.32	32.64
Sub Total – RDSS (A)	536.37	0.00	141.03	141.03	395.34

Particulars	Approved in Tariff Order	Actual (H1)	Projected (H2)	Total	Deviation
	(A)	(B)	(C)	(D)=(B)+(C)	(E)=(A)-(D)
State UT Schemes (B)	277.89	48.60	18.51	67.11	210.78
PMDP Urban (C)	173.28	173.28	0.00	221.88	0.00
Grand Total (A+B+C)	987.54	221.88	159.54	381.42	606.12

Operations & Maintenance Expenses

Petitioner's Submission

JPDCL

3.31 The Petitioner has considered actual Employee expenses, A&G expenses and R&M expenses incurred in the first half (H1) of FY 2023-24 and has projected the corresponding expenses for the second half (H2) of FY 2023-24 assuming that the same amount of expenses would be incurred in H2.

Table 19: O&M expenses forecasted for the control period (Rs. in Crores)

Sr. No.	Particulars	(H1) Actual	(H2) Projected	Total	Approved by Commission	Deviation
1	Employee Expenses	227.45	227.45	454.90	407.93	(46.97)
2	A&G Expenses	3.20	3.20	6.40	8.41	2.01
3	R&M Expenses	19.21	19.21	38.42	53.18	14.76
	O&M Expense capitalised			-		
4	Total Operation & Maintenance Expenses (net of capitalisation)			499.71	469.52	(30.19)

KPDCL's submission

3.32 The Petitioner has bifurcated O&M expenses into 2 heads namely:

1. O&M expenses of the Petitioner consisting of Employee expenses, A&G Expenses and R&M Expenses (Normal O&M Expenses), and
2. Expenses towards supplying off-grid consumers of Gurez and Tulail which are mostly towards the fuel (Off-grid material and supply expenses).

Normal O&M Expenses

3.33 The Petitioner has considered actual Employee expenses, A&G expenses and R&M expenses incurred in the first half (H1) of FY 2023-24 and has projected the corresponding expenses for the second half (H2) of FY 2023-24 assuming that the same amount of expenses would be incurred in H2.

Off-grid material and supply expenses

- 3.34** 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 a universal service obligation as a Distribution Licensee, the 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 projected the expense for running off-grid stations to the tune of Rs. 11.48 crores in its Business Plan and MYT petition. However, the Petitioner has already expended around Rs. 10 crores towards the procurement of HSD and has procured HSD for the winter season in H2. Further, the Petitioner has projected an additional Rs. 3.5 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. 13.5 crores is projected to be incurred towards running of off-grid stations during FY 2023-24.
- 3.35** Based on the above details, the summary of the revised projection of the O&M expenses and deviation are as follows:

Table 20: O&M expenses forecasted for the control period (Rs. in Crores)

Sr. No.	Particulars	(H1) Actual	(H2) Projected	Total	Approved by Commission	Deviation
1	Employee Expenses	253.39	253.39	506.78	488.05	(18.73)
2	A&G Expenses	1.51	1.51	3.02	42.04	39.02
2.1	Off-Grid Material & Supply	3.08	10.00	13.08		
2.2	IT Expenses [Smart Meters]					
3	R&M Expenses	7.20	7.20	14.40	28.47	14.07
	O&M Expense capitalised	-	-	-		
4	Total Operation & Maintenance Expenses (net of capitalisation)	265.18	272.10	537.28	558.56	21.28

Depreciation**Petitioner's Submission**

- 3.36** It is submitted that the Petitioners (JPDCL & KPDCL) are undertaking the capital expenditure in FY 2023-24 by means of funding received from the Government/ UT Administration in the form of grants/ grant-in-aid. Thus, the Petitioners (JPDCL & KPDCL) are not financing any capital works through any capital loan and/ or equity infused to create assets in FY 2023-24.
- 3.37** As specified in regulation 25.4 (c) and additional proviso of regulation 30.1 of the JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018, depreciation on assets created from grants 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."

- 3.38** In line with the above said provisions, the Petitioners (JPDCL & KPDCL) have claimed Nil depreciation (Depreciation as per regulatory accounts) on assets during FY 2023-24

Interest on long term loans

Petitioner's Submission

- 3.39** As discussed in the above section, Petitioners (JPDCL & KPDCL) are not financing any capital works through any capital loan and/ or equity infused to create assets in FY 2023-24.
- 3.40** As specified in regulation 25.4 (e) and regulation 28.7 of the JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018, 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."

- 3.41** In line with the above-said provisions, the Petitioners (JPDCL & KPDCL) have claimed Nil interest on long-term loans on assets during FY 2023-24

Return on Equity

Petitioner's Submission

- 3.42** As submitted above, the Petitioners (JPDCL & KPDCL) are not financing any capital works through any capital loan and/ or equity infused to create assets in FY 2023-24.
- 3.43** As specified in regulation 25.4 (d) of the JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018, return on equity is not applicable to financial support corresponding to the 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;"

- 3.44** In line with the above-said provisions, the Petitioners (JPDCL & KPDCL) have claimed Nil return on regulatory equity on assets during FY 2023-24.

Interest on working capital

Petitioner's Submission

- 3.45** As specified in the provision of regulation 50.1 and proviso of regulation 57.1 of the JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018, interest on working capital is to be allowed as per provisions of chapter 3, i.e. Financial Principles of the aforesaid regulations. The relevant excerpt is reproduced here as follows:

Provision of Regulation 50.1

"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:"

Provision of Regulation 57.1

"Provided that Depreciation, Interest on Loan Capital, Interest on Working Capital, Interest on consumer security deposits, Contribution to Contingency Reserves, Return on Equity, and Income Tax for Retail Supply Business shall be allowed in accordance with the provisions specified in Chapter 3 of these Regulations:"

- 3.46** Accordingly, as per regulation 31.3 read with regulation 31.4 of the JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018, interest on working capital loan is allowable on the normative basis at an interest rate of SBI MCLR rate (1-year) as on 01.04.2023 plus 200 basis points, the relevant excerpt is reproduced here as follows:

"31.3 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."



31.4 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."

3.47 It is submitted that; the Petitioner has not availed any actual loan for funding its working capital needs. However, as per the Regulations, it is entitled to interest on working capital loan on a normative basis.

3.48 As per regulation 31.2 of the JERC Goa and UTs (Generation, Transmission and Distribution) Regulations 2018, norms of working capital for distribution wire business and retail supply business are as per chapter 6 and chapter 7 of these regulations. The 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."

3.49 Accordingly, as specified in regulation 52.1 of the JERC Goa and UTs (Generation, Transmission and Distribution) Regulations 2018, normative working capital for the 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 from revenue from the existing tariff, the sum of which is to be deducted by the amount held as security deposit. Further, the provision of the said regulation provides that the working capital requirement is to be re-calculated on the basis of values of components of working capital approved in truing up. The 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."

3.50 Aforesaid similar provision is specified in regulation 63.1 of the JERC Goa and UTs (Generation, Transmission and Distribution) Regulations 2018 (part of Chapter 7).

3.51 Since JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018 provides 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 regards the rate of interest, the State Bank of India (SBI) MCLR rate applicable as of 01.04.2023 is 8.50% which is added with 200 basis points to arrive at the applicable rate of interest of 10.50%.

JPDCL's submission

3.52 Detailed calculations for normative interest on working capital as submitted by JPDCL are tabulated as follows:

Table 21: Deviation of Normative Working Capital for FY 2023-24 (amount in Rs. crores) by JPDCL

Particulars	FY 2023-24		
	APR	Approved by Commission	Deviation
Computation of Working Capital			
O&M expenses	41.64		
Maintenance Spares	1.28		
Receivables	872.43		
Working Capital requirement	915.35	450.61	(293.12)
Less:			
Amount held as security deposit from Distribution System Users	0.00		
Total Working Capital	915.35	450.61	(464.74)
Computation of working capital interest			
Interest Rate (%)	10.50%	10.50%	
Interest on Working Capital	96.11	47.31	(48.80)

KPDCL's submission

3.53 Detailed calculations for normative interest on working capital as submitted by KPDCL are tabulated as follows:

Table 22: Deviation of Normative Working Capital for FY 2023-24 (amount in Rs. crores) by KPDCL

Particulars	FY 2023-24		
	APR Projection	Approved by Commission	Deviation
Computation of Working Capital			
O&M expenses	44.77		
Maintenance Spares	0.48		
Receivables	1093.24		
Working Capital requirement	1,138.49	347.62	(790.87)
Less:			-
Amount held as security deposit from Distribution System Users	0.00	0.00	-
Total Working Capital	1,138.49	347.62	(790.87)

Computation of working capital interest			-
Interest Rate (%)	10.50%	10.50%	-
Interest on Working Capital	119.54	36.50	(83.04)

Provision for bad and doubtful debts

Petitioner's Submission

- 3.54** In accordance with Regulation 62.1 of the JERC for the state of Goa and UTs (Generation, Transmission and Distribution) Regulations 2018; 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.

Income Tax

Petitioner's Submission

- 3.55** The Petitioners (JPDCL & KPDCL) submitted that, they are claiming Nil income tax. However, the Petitioners (JPDCL & KPDCL) reserve their right to approach the Commission to claim any future payment towards Income tax under Regulation 32 of the JERC Goa and UTs (Generation, Transmission and Distribution) Regulations 2018 adopted by the Commission vide 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.

Non-tariff income

Petitioner's Submission

JPDCL

- 3.56** The Petitioner had considered non-tariff income of Rs. 1.27 crore, in its Business Plan and MYT Petition. The Petitioner continues with the above-said projection of the non-tariff income for FY 2023-24. The Petitioner would submit the actual value of non-tariff income (if any) at the time of True up of ARR of FY 2023-24.

KPDCL

- 3.57** 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 2023-24. The Petitioner would submit the actual value of non-tariff income (if any) at the time of True up of ARR of FY 2023-24.

Estimate of Revenue Gap/ (Surplus) for FY 2023-24**Petitioner's Submission**

- 3.58** Based on the estimate of ARR for FY 2023-24 and estimate of revenue at existing tariff at the estimate of revenue gap/ (surplus) is as follows:

Table 23: Estimate of Revenue Gap/ (Surplus) (in Rs. crores) by JPDCL & KPDCL

Particulars	Amount claimed by JPDCL	Amount claimed by KPDCL
Revised Projected ARR	5,233.29	6,559.44
Estimated Revenue at Existing Tariff @ realistic collection efficiency	2452.47	1760.59

Commission's analysis for Revenue Gap/ (Surplus) for FY 2023-24

- 3.59** The Commission has reviewed the submission made by the Petitioners (JPDCL & KPDCL). The Petitioners (JPDCL & KPDCL) have submitted the details of the power procurement quantum and power purchase cost. Further, O&M expenses and interest on working capital expenses are also submitted.
- 3.60** The Commission has observed that FY 2023-24 is already over and as per the relevant Regulations ie Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018, the petitioner should have submitted the true-up Petition of FY 2023-24 along with Petition for ARR FY 2025-26 by 30th November 2024.
- 3.61** On the basis of the above, the Commission directs the Petitioners (JPDCL & KPDCL) to submit the true-up Petition based on the Audited Annual Account of FY 2023-24. The Commission shall carry out the trueing up exercise for FY 2023-24 based on actual expenses and income recorded in the Audited account vis a vis the FY 2023-24 tariff order approved by the Commission.



Chapter 4: Revised ARR Projections of FY 2024-25

Overall approach for ARR Projection

- 4.1** The Commission has published the 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 "JERC MYT Regulations, 2023"] on 1.11.2023. The control period of these Regulations is from the date of their publication in the Official Gazette and shall remain in force till March 31, 2026. So, the same Regulations are applicable for the determination of ARR and tariff for FY 2024-25. The provisions of Regulation 11 of JERC MYT Regulations, 2023 deal with the tariff determination process. Relevant excerpts of the Regulation are reproduced here 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:....."

- 4.2** 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}

- 4.3** In line with the above provisions the Petitioners (JPDCL & KPDCL) have filed the current Petitions which include determination of ARR and Tariff for FY 2024-25. The Commission has determined the ARR for FY 2024-25 as per details given in the following paragraphs.

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

Petitioner's Submission

JPDCL's Submission

- 4.4 JPDCL has submitted the following forecast No. of consumers, connected load and energy sales:

Table 24 Forecast No. of consumers, connected load and energy sales for 2024-25 by JPDCL

Consumer Category	Forecast of No. of consumers	Connected load / Sanctioned load (MW)	Energy Sales (MU)
Domestic - Metered	894823	1094.72	1787.29
Domestic - Unmetered	117593	126.96	
Non-Domestic/Commercial - Metered	128028	249.93	743.94
Non-Domestic/Commercial - Unmetered	324	1.16	
State/Central Govt department	10438	177.57	661.58
Agriculture - Metered	27111	97.32	302.24
Agriculture - Unmetered	0	0.00	
Public Street Lighting - Metered	213	4.49	108.27
Public Street Lighting - Unmetered	0	0.00	
LT Public Water Works	1817	65.08	488.28
HT Public Water Works	260	28.38	198.47
LT Industrial Supply	9774	176.75	188.29
HT Industrial Supply	911	348.94	979.35
HT PIU	14	36.23	115.98
Bulk Supply	235	95.54	222.67
Electric Vehicle (EV) Charging Station	5	3.31	9.43
Traction	3	4.40	63.48
Total	1191549	2510.78	5869.28

KPDCL's Submission

- 4.5 KPDCL has submitted the following forecast No. of consumers, connected load and energy sales:

Table 25 Forecast No. of consumers, connected load and energy sales for 2024-25 by KPDCL

Consumer Category	Forecast of No. of consumers	Connected load / Sanctioned load (MW)	Energy Sales (MU)
Domestic - Metered	599501	1601	3836.83

Consumer Category	Forecast of No. of consumers	Connected load / Sanctioned Load (MW)	Energy Sales (MU)
Domestic - Unmetered	666794	632	
Non-Domestic/Commercial - Metered	161639	428.02	648.70
Non-Domestic/Commercial - Unmetered	14225	18	
State/Central Govt department	6137	208.22	508.73
Agriculture - Metered	1,662	75	82.43
Agriculture - Unmetered	0	0	
Public Street Lighting - Metered	276	10.68	70.82
Public Street Lighting - Unmetered	0	-	
LT Public Water Works	448	17.96	37.57
HT Public Water Works	320	31.15	84.60
LT Industrial Supply	11142	184.59	122.84
HT Industrial Supply	316	146.34	354.38
HT PIU	2	1.33	1.01
Bulk Supply	151	59.13	82.27
Electric Vehicle (EV) Charging Station	4	1.80	1.70
Traction	3	0.96	1.01
Total	1462620	3417.47	5832.89

Commission's Analysis

- 4.6** The Commission has reviewed the submission made by the Petitioners (JPDCL & KPDCL). The Commission has considered the past actual data on consumer number, load and sales. Further, the conversion from un-metered to metered consumer categories has been considered based on progress given under the smart meter scheme of RDSS.
- 4.7** The Commission has noted that as per Regulation 8.6 of JERC MYT Regulations, 2023, the sales Forecast shall be done as per the provisions of the prevalent Power Purchase and Procurement Process Regulations. The Commission published the Joint Electricity Regulatory Commission for the UT of J&K and the UT of Ladakh (Guidelines for Load Forecasts, Resources Plans, and Power Procurement Process) Regulations, 2023. For sales forecast, the relevant provision of the said Regulations is referred to; the relevant provisions are given below:

"A. Demand and Energy Forecast:

4.4 The assessment shall be based on trends and statistical analysis of historical data, future projections, and forecasted results of the implementation of business plans.

4.5 The demand and energy forecast shall be prepared considering the following:

a) Category-wise monthly energy consumption and monthly & yearly energy requirement forecast based on the year-on-year growth/Compound Annual Growth Rate (CAGR) for the past period and time series analysis.

b) Overall economic growth projections;

c) Change in number of consumers for categories, expected increase in connected load (kW), applications for load enhancement/load reduction/new

connections/disconnections, and the month-wise energy consumption for each consumer category;

d) The impact of the possible switchover of consumers to open access and captive generation;

e) Impact of Storage capacities including Batteries, Pump Storage systems, Electric Vehicle charging stations, etc.;

f) Impact of decentralized renewable energy plants set up under various initiatives;

g) Impact due to new schemes implemented by UT Govt/Central Government;

h) The effect of important festivals, working days or non-working days, the impact of Peak and Off-peak hours load pattern, hours of operation, and seasonal variations, cropping pattern, rainfall pattern, etc;

i) Standards to be maintained with regard to quality and reliability of supply, in accordance with the relevant Regulations of the Commission;

j) Measures taken and proposed for energy conservation, energy efficiency, and Demand Side Management;

1.6 The Distribution Licensee(s) may follow the methodology adopted by the Central Electricity Authority (CEA) or any other method like econometric analysis for forecasting.

1.7 The Licensee shall carry out Load Research studies of various consumer categories to understand their diurnal consumption pattern and how diversity in their usages helps in flattening the demand curve."

4.8 Based on the above approach and past year data, the consumer number, load and sales are approved as given below.

Table 26 Approved No. of consumers, connected load and energy sales for 2024-25

JPDCL

Category	No. of consumers	sanctioned Load in kW	Sales in MU
Domestic	1005457	1212211	1741
METERED DOM BPL UPTO 30 UNITS	157137	9487.83	21.94
METERED DOM 101-200 UNITS	446716	381060.51	552.71
METERED DOM 201-400 UNITS	101341	258184.22	356.44
METERED DOM ABOVE 400 UNITS	227335	484736.64	699.08
Up to 1/4 kW	20498	18556.75	26.09
Above 1/4 kW up to 1/2 kW	31444	39319.63	55.29
Above 1/2 kW up to 3/4 kW	2494	2649.95	3.73
Above 3/4 kW up to 1 kW	2279	6247.02	8.78
Above 1 kW up to 2 kW	15373	5174.13	7.28
Above 2 kW	840	6794.07	9.55
Non Domestic/Commercial	128351	254438	671
METERED NDC SINGLE PHASE UPTO 200 UNITS	68765	21582.87	71.39
METERED NDC SINGLE PHASE 201-500 UNITS	16712	3821.13	30.08
METERED NDC SINGLE PHASE ABOVE 500 UNITS	29693	69434.71	181.50
METERED NDC THREE PHASE FOR ALL UNIT	11551	153759.19	373.81
Up to 1/4 kW	953	978.50	2.37
Above 1/4 kW up to 1/2 kW	397	842.95	2.04
Above 1/2 kW up to 3/4 kW	35	239.88	0.58

Category	No. of consumers	sanctioned Load in kW	Sales in MU
Above 3/4 kW up to 1 kW	81	237.92	0.58
Above 1 kW	163	3541.36	8.57
State/Central Govt department	10423	169167	467
SCGD 11KV	5182	18374.56	52.00
SCGD 33KV	60	132417.81	363.00
SCGD LT	5182	18374.56	52.00
Agriculture	26645	99408.28	328.44
AGRICULTURE METERED UPTO 10HP	26114	52347.11	171.71
AGRICULTURE METERED 11HP TO 20 HP	209	12344.01	39.70
AGRICULTURE METERED ABOVE 20 HP	259	29913.36	101.38
AGRICULTURE UNMETERED UPTO 10HP	60	1294.85	3.52
AGRICULTURE UNMETERED 11HP TO 20 HP	-9	-853.86	0.26
AGRICULTURE UNMETERED ABOVE 20 HP	13	4362.80	11.87
Public Street Lighting	205	4323	108
PSL METERED	205	4322.51	50.70
PSL UNMETERED	0	0.00	57.68
LT Public water works	1808	64760	661
LTPWW METERED	1808	64759.65	661.07
HT Public water works	327	35874	169
HTPWW 11KV	129	3766.50	17.37
HTPWW 33KV	198	32107.97	152.03
LT Industrial supply	9736	176073	244
LTI UPTO 50KW	8952	74359.20	103.01
LTI ABOVE 50KW	784	101713.54	140.90
HT Industrial supply	934	355606	1109
HTI 11KV	871	142666.85	442.71
HTI 33KV	63	212939.60	665.81
HT PIU	13	33371	139
PIL 11KV	2	1969.08	7.88
PIL 33KV	11	31401.90	130.63
Bulk supply	235	95842	226
GPBS 11KV	209	64605.46	150.16
GPBS 33KV	26	31236.86	75.59
Electric Vehicle (EV) Charging Station	5	3030	6
LT Supply	1	280.00	0.59
11 kV Supply	2	570.00	1.18
33 kV Supply	2	2180.00	4.54
Traction	3	3940	63
11 kV Supply	1	0.00	0.05
33 kV Supply	2	3940.00	63.43
Total	1184142	2508043.57	5932.56

KPDCL				
Sl. No.	Category	No. of consumers	sanctioned Load in kW	Sales in MU
1	Domestic	1265550	3132631	3,129.52
1	METERED DOM BPL UPTO 30 UNITS	51803	147049	213.72
3	METERED DOM UPTO 200 UNITS	418662	1523143	1,008.67
4	METERED DOM 201-400 UNITS	480715	1098997	1,396.00
5	METERED DOM ABOVE 400 UNITS	45975	154288	293.81
6	-DOM UPTO 1/4 KW	15375	4443	(8.55)
7	Above 1/4 kW up to 1/2 kW	63042	65074	(52.87)
8	Above 1/2 kW up to 3/4 kW	98775	76506	97.21
9	Above 3/4 kW up to 1 kW	69720	42986	109.35
10	Above 1 kW up to 2 kW	20161	17000	67.12
11	Above 2 kW	1322	3144	5.06
2	Non-Domestic/Commercial	186770	444322	767.46
13	METERED NDC SINGLE PHASE UPTO 200 UNITS	145454	211590	407.86
14	METERED NDC SINGLE PHASE 201-500 UNITS	11537	18568	33.62
15	METERED NDC SINGLE PHASE ABOVE 500 UNITS	5341	33014	35.15
16	THREE PHASE ALL UNIT	14057	168642	274.98
16	Up to 1/4 kW	7202	1865	2.52
17	Above 1/4 kW up to 1/2 kW	1194	578	0.88
18	Above 1/2 kW up to 3/4 kW	513	146	0.71
19	Above 3/4 kW up to 1 kW	513	697	0.71
20	Above 1 kW	960	9221	11.04
3	State/Central Govt department	5598	206055	500.16
32	SCGD 11KV	3265	131654	257.27
33	SCGD 33KV	99	51476	76.00
34	SCGD LT	2234	22924	166.89
4	Agriculture	1631	76175	156.01
35	AGRICULTURE METERED UPTO 10HP	1176	3649	12.73
36	AGRICULTURE METERED 11HP TO 20 HP	69	950	2.65
37	AGRICULTURE METERED ABOVE 20 HP	386	71576	140.64
38	AGRICULTURE UNMETERED UPTO 10HP	0	0	-
39	AGRICULTURE UNMETERED 11HP TO 20 HP	0	0	-
40	AGRICULTURE UNMETERED ABOVE 20 HP	0	0	-
5	Public Street Lighting	264	1697	17.00
41	PSL METERED	264	1697	17.00
42	PSL UNMETERED	0	0	-
6	LT Public water works	517	17045	76.73
43	LTPWW METERED	517	17045	76.73
7	HT Public water works	314	29455	84.28
45	HTPWW 11KV	307	24473	67.00
46	HTPWW 33KV	7	4982	17.28
8	LT Industrial supply	11,309	251589	104.73
47	LTI UPTO 50KW	10769	134782	81.93
48	LTI ABOVE 50KW	540	116806	22.79
9	HT Industrial supply	365	130635	377.91

Sl. No.	Category	No. of consumers	sanctioned Load in kW	Sales in MU
49	HTI 11KV	306	45890	176.91
50	HTI 33KV	59	84746	201.00
10	HT PIU	6	767	0.17
51	PIL 11KV	6	767	0.17
11	Bulk Supply	133	38655	46.00
52	GPBS 11KV	115	22988	31.00
53	GPBS 33KV	18	15667	15.00
12	Electric Vehicle (EV) Charging Station	4	1470	2
55	LT Supply	2	400	0.74
56	11 kV Supply	1	200	0.37
57	33 kV Supply	1	870	1.12
13	Traction	3	1080	3
59	11 kV Supply	1	40	0.08
60	33 kV Supply	2	1040	3.10
	Total	14,72,464	43,31,576	5,265.38

Energy Balance and Power Purchase Expenses

Petitioner's Submission

Transmission Losses

4.9 The Petitioners (JPDCL & KPDCL) have considered the following forecast of transmission losses for the FY 2024-25:

Utility	JPDCL	KPDCL
Particulars	Estimate of losses for FY 2024-25	Estimated of losses for FY 2024-25
JKPTCL/ InSTS losses	3.15%	3.07%
ISTS losses	3.43%	3.57%

Distribution Losses

4.10 The Petitioners (JPDCL & KPDCL) have estimated that, as the various loss reduction measures will pick pace in FY 2024-25 the Petitioner will be able to reduce distribution losses by around ~ 3%.

4.11 Based on the sales projections, the proposed reduction in the distribution losses, the level of transmission losses and energy procurement planned by JKPCCL at the UT levels, the projected energy balance for FY 2024-25 is as follows:

Table 27 Projected Energy Balance for FY 2024-25 (All values in MU) by JPDCL and KPDCL

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	5869.28	32.98%	8757.28		8757.28
KPDCL	5832.89	51.27%	11970.38		11970.38
LPDD**	220.82	23.48%	288.59	15.58	273.01

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
Total	11922.99		21016.25		21000.67

**As approved by the Commission in Order No. JERC/ 12 of 2023 dated 10 October 2023

*Nominal reduction of 3.00% in distribution losses for JPDCL and KPDCL are considered over FY 2023-24 while for LPDD distribution losses are derived.

Energy required at DISCOM level	Intra-state Transmission loss	Energy required at UT level from JKPCL	Supply by JKPCL 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
21000.67	3.07%	21665.81	4339.25	17426.56	3.43%	18045.36

4.12 The following table provides the summary of the total quantum of energy purchase required at DISCOM periphery and the projected power purchase quantum for FY 2024-25:

Table 28 Projected Power purchase quantum at DISCOM periphery (JPDCL, KPDCL and LPDD) & at Generation periphery for FY 2024-25

Particulars	Legend	FY 2024-25 (ARR Projection)
Total quantum of energy purchase required at JKPCL <> DISCOM periphery (MU)	A	21016.25
Supply by JKPCL and others within UT at UT level at Generation Periphery (MU)	B	4239.25
Supply by CGS and other external sources at Generation Periphery (MU)	C	18045.36
Total quantum of energy purchase at Generation Periphery (MU)	D = C+B	22284.61

Power purchase expenses

- 4.13** The Petitioners (JPDCL & KPDCL) have arrived at the revised estimate of power purchase expenses for FY 2024-25 based on the estimation of the total quantum of energy purchase required at the generation periphery and actual power purchase rates for the months of April 2023 – November 2023 as submitted by JKPCL.
- 4.14 Power Purchase from NTPC, NHPC, NPCIL and Other CSPPs:** The Petitioners (JPDCL & KPDCL) have 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 2023 – November 2023 as submitted by JKPCL.
- 4.15 Power Purchase from JKPCL's hydropower stations:** The Commission approved the tariff for JKPCL's hydropower stations vide its Order No. JERC/ 10 of 2023 dated 10 October 2023. Therefore, the Petitioner has considered the monthly quantum of energy procured for FY 2024-25 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 Commission's Order dated 10 October 2023.

- 4.16 Power Purchase from Renewable (Solar) sources:** Currently, JKPCL is procuring 20 MW of solar power from NHPC Ltd. (Source: Aavada). At this stage procurement from other solar power stations is not projected. For FY 2024-25, the Petitioner has considered the projected quantum of energy procurement as per JKPCL and cost as per PPA approved rate.
- 4.17 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 2023-24, the Petitioner has considered the 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 a projected rate of Rs. 5.70/ kWh. for any additional power to be purchased during FY 2024-25. Considering this it is estimated that Rs. 3019.89 crore would be spent on the purchase of power from short-term sources in FY 2024-25.
- 4.18 JKPTCL Transmission charges:** JKPTCL has projected transmission charges of Rs. 322.19 crores for FY 2024-25 in its ARR and Tariff Petition for FY 2024-25. The same is considered for FY 2024-25.
- 4.19 PGCIL Transmission charges:** In line with estimation for FY 2023-24, JKPCL has projected no change in the transmission capacity allocation by CTU for UT of J&K. Accordingly, CTU charges of Rs. 1081.128 crores are considered as an estimate for FY 2024-25.
- 4.20 Transmission charges for power sourced from Tanda station:** In FY 2022-23, JKPCL incurred around Rs. 14 crores towards transmission charges for wheeling power from NTPC's Tanda power station. The same is considered as an estimate for FY 2024-25.
- 4.21 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 2023-24.
- 4.22 JKPCL Trading Margin:** The Commission vide its Order No. JERC/7 of 2022 dated 21st November 2022 approved a 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. A trading margin of Rs. 0.02/ kWh has been considered toward the power purchase cost.
- 4.23 Supplementary Bills:** In line with the estimation for FY 2023-24, JKPCL has estimated that around 998 crores would be the total value of the supplementary bills for FY 2024-25. 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.
- 4.24 Merit Order Despatch:** JKPCL procures power from various power plants on the basis of the Merit Order Despatch (MOD) principle after considering the supply from hydro, solar and nuclear as 'Must-run'. The simulated Merit Order for despatch for 2024-25 is as follows:

Table 29 Projected Merit Order Despatch for remaining period of FY 2024-25

Name of power station	Source	Source	Variable Charges (Rs./ kWh)
STAKNA	Hydro	Must Run	0.24
KISHANGANGA	Hydro	Must Run	0.25
LOWER JHELUM HEP	Hydro	Must Run	0.41
GANDERBAL HEP	Hydro	Must Run	0.51

Name of power station	Source	Source	Variable Charges (Rs. / kWh)
SALAL	Hydro	Must Run	0.54
CHENANI HEP-I	Hydro	Must Run	0.54
URI	Hydro	Must Run	0.54
USHP II KANGAN	Hydro	Must Run	0.59
USHP I SUMBAL	Hydro	Must Run	0.66
BHADERWAH HEP	Hydro	Must Run	0.69
BHEP-1	Hydro	Must Run	0.84
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	0.95
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
PAHALGAM MHEP	Hydro	Must Run	1.55
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
KARNAH HEP	Hydro	Must Run	1.76
SEWA HEP-III	Hydro	Must Run	1.85
MARPACHOO HEP	Hydro	Must Run	1.88
HUNDER	Hydro	Must Run	2.07
THDC	Hydro	Must Run	2.12
JHANOR GANDHAR	Thermal	Merit Order	2.17
KAWAS 4 GAS	Thermal	Merit Order	2.20
CHAMERA-III	Hydro	Must Run	2.21
SANJAK	Hydro	Must Run	2.25
IGO MERCELLONG HEP	Hydro	Must Run	2.26
PTC THEP	Hydro	Must Run	2.27

Name of power station	Source	Source	Variable Charges (Rs./ kWh)
DADRI (GAS)	Thermal	Merit Order	2.34
ANTA (GAS)	Thermal	Merit Order	2.36
AURIYA (GAS)	Thermal	Merit Order	2.38
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
BHEP-2	Hydro	Must Run	2.61
NHPC (Solar 20 MW - Aavada)	Solar	Must Run	2.63
BAZGO	Hydro	Must Run	2.74
SUMOOR	Hydro	Must Run	2.76
THDC KOTESHWAR	Hydro	Must Run	2.78
HAFTAL HEP	Hydro	Must Run	2.94
NAPS 1&2	Nuclear	Must Run	2.99
KAHALGAON-II	Thermal	Merit Order	3.05
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
UNCHAHAAR-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
UNCHAHAAR-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
UNCHAHAAR-3	Thermal	Merit Order	4.65
NCTP-2	Thermal	Merit Order	4.66
UNCHAHAAR-1	Thermal	Merit Order	4.75
SINGRAULI HYDRO	Hydro	Must Run	5.04
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

Name of power station	Source	Source	Variable Charges (Rs./ kWh)
ANTA (LIQUID)	Thermal	Merit Order	13.41
DADRI (LIQUID)	Thermal	Merit Order	24.89

- 4.25** 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 are provided in the following table.

Table 30 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 MU	Variable Charge rate Rs./kWh	Capacity Charges		Energy Charges		Other Charges		Total Charges
			MW	MW	MW	MW	MW	MW			Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores	Rs. Crores
1	IPP-Within UT		3.75	3.75	3.75	3.75	3.75	3.75	14.63	0.00	0.00	0.00	6.44	0.00	0.00	0.00	6.44
2	KHARI	Hydro	3.75	3.75	3.75	3.75	3.75	3.75	14.63	4.40	0.00	0.00	6.44	0.00	0.00	0.00	6.44
3	JKPDC		1211.96	1061.96	1061.96	1061.96	1061.96	1061.96	4224.62	0.00	304.43	610.33	0.00	0.00	0.00	0.00	914.76
4	BAZGO	Hydro	0.30	0.30	0.30	0.30	0.30	0.30	0.24	2.74	0.30	0.07	0.00	0.00	0.00	0.00	0.37
5	BHADERWAH HEP	Hydro	1.50	1.50	1.50	1.50	1.50	1.50	0.00	0.69	0.64	0.00	0.00	0.00	0.00	0.00	0.64
6	BHEP-1	Hydro	450.00	300.00	300.00	300.00	300.00	300.00	1784.97	0.84	209.84	149.94	0.00	0.00	0.00	0.00	359.78
7	BHEP-2	Hydro	450.00	450.00	450.00	450.00	450.00	450.00	1602.35	2.61	0.00	418.21	0.00	0.00	0.00	0.00	418.21
8	CHENANI HEP-I	Hydro	23.30	23.30	23.30	23.30	23.30	23.30	59.87	0.54	5.90	3.23	0.00	0.00	0.00	0.00	9.13
9	CHENANI HEP-II	Hydro	2.00	2.00	2.00	2.00	2.00	2.00	0.86	0.95	1.12	0.08	0.00	0.00	0.00	0.00	1.20
10	CHENANI HEP-III	Hydro	7.50	7.50	7.50	7.50	7.50	7.50	3.85	0.94	3.41	0.36	0.00	0.00	0.00	0.00	3.77
11	GANDERBAL HEP	Hydro	15.00	15.00	15.00	15.00	15.00	15.00	13.86	0.51	4.58	0.71	0.00	0.00	0.00	0.00	5.29
12	HAFTAL HEP	Hydro	1.00	1.00	1.00	1.00	1.00	1.00	0.41	2.94	1.42	0.12	0.00	0.00	0.00	0.00	1.54
13	HUNDER	Hydro	0.40	0.40	0.40	0.40	0.40	0.40	0.47	2.07	0.36	0.10	0.00	0.00	0.00	0.00	0.46
14	IGO MERCELLONG HEP	Hydro	3.00	3.00	3.00	3.00	3.00	3.00	4.96	2.26	3.55	1.12	0.00	0.00	0.00	0.00	4.67
15	IQBAL HEP	Hydro	3.75	3.75	3.75	3.75	3.75	3.75	0.39	1.19	2.50	0.05	0.00	0.00	0.00	0.00	2.55
16	KARNAH HEP	Hydro	2.00	2.00	2.00	2.00	2.00	2.00	7.74	1.76	1.97	1.36	0.00	0.00	0.00	0.00	3.33
17	LOWER JHELMUM HEP	Hydro	105.00	105.00	105.00	105.00	105.00	105.00	544.00	0.41	24.89	22.30	0.00	0.00	0.00	0.00	47.19
18	MARPACHOO HEP	Hydro	0.75	0.75	0.75	0.75	0.75	0.75	0.20	1.88	0.90	0.04	0.00	0.00	0.00	0.00	0.94
19	PAHALGAM MHEP	Hydro	4.50	4.50	4.50	4.50	4.50	4.50	4.09	1.55	2.65	0.63	0.00	0.00	0.00	0.00	3.28
20	SANJAK	Hydro	1.26	1.26	1.26	1.26	1.26	1.26	0.64	2.25	0.99	0.14	0.00	0.00	0.00	0.00	1.13
21	SEWA HEP-III	Hydro	9.00	9.00	9.00	9.00	9.00	9.00	0.00	1.85	6.04	0.00	0.00	0.00	0.00	0.00	6.04
22	STAKNA	Hydro	4.00	4.00	4.00	4.00	4.00	4.00	0.00	0.24	0.46	0.00	0.00	0.00	0.00	0.00	0.46
23	SUMMOOR	Hydro	0.10	0.10	0.10	0.10	0.10	0.10	0.11	2.76	0.12	0.03	0.00	0.00	0.00	0.00	0.15
24	USHP I SUMBAL	Hydro	22.60	22.60	22.60	22.60	22.60	22.60	41.57	0.66	6.92	2.74	0.00	0.00	0.00	0.00	9.66
25	USHP II KANGAN	Hydro	105.00	105.00	105.00	105.00	105.00	105.00	154.02	0.59	25.87	9.09	0.00	0.00	0.00	0.00	34.96
26	NHPC		4304.00	1057.86	1057.86	1057.86	918.06	918.06	4064.53	0.00	358.64	429.00	0.20	0.00	0.00	0.00	787.91
27	CHAMERA-I	Hydro	540.00	21.06	21.06	21.06	21.06	21.06	80.84	1.14	7.48	9.21	-0.02	0.00	0.00	0.00	16.67

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity MW	Summer Entitlement MW	Winter Entitlement MW	Annual Energy purchase MU	Variable Charge rate Rs./kWh	Capacity Charges Rs. Crores	Energy Charges Rs. Crores	Other Charges Rs. Crores	Total Charges Rs. Crores
28	CHAMERA-II	Hydro	300.00	54.36	35.85	126.25	1.07	14.27	13.57	0.01	27.86
29	CHAMERA-III	Hydro	231.00	38.64	26.75	89.71	2.21	29.03	19.84	0.01	48.89
30	CHUTAK	Hydro	44.00	44.00	44.00	156.91	3.88	63.90	60.88	0.00	124.78
31	DAULIGANGA	Hydro	280.00	44.52	30.07	94.61	1.45	18.49	13.75	0.02	32.26
32	DULHASTI	Hydro	390.00	120.82	100.70	499.59	1.16	11.79	57.92	0.01	69.72
33	KISHANGANGA	Hydro	330.00	75.34	58.31	243.60	0.25	3.48	6.04	0.01	9.53
34	NIMOO-BAZGO	Hydro	45.00	45.00	45.00	220.92	3.80	50.19	83.96	0.00	134.15
35	PARBATI-III	Hydro	520.00	87.00	60.16	35.14	1.54	83.81	5.41	0.10	89.36
36	SALAL	Hydro	690.00	237.29	237.29	1156.19	0.54	5.53	62.04	0.01	67.59
37	SEWA-II	Hydro	120.00	34.81	28.62	109.87	0.93	13.63	10.25	0.01	23.89
38	TANAKPUR	Hydro	94.00	7.22	7.22	30.38	2.48	36.12	7.52	0.01	43.66
39	URI	Hydro	480.00	163.01	163.01	840.12	0.54	6.80	45.60	0.01	52.41
40	URI-II	Hydro	240.00	84.79	60.02	380.40	0.87	14.13	33.01	0.01	47.15
41	NPCIL		2840.00	200.57	127.71	1182.94	0.00	0.02	406.33	0.00	406.35
42	KAPS	Nuclear	440.00	1.46	1.46	28.10	3.97	0.00	11.14	0.00	11.14
43	NAPS 1&2	Nuclear	440.00	74.93	52.98	383.91	2.99	0.00	114.70	0.00	114.70
44	RAPP 3&4 and 5&6	Nuclear	880.00	119.24	68.33	731.79	3.65	0.02	267.10	0.00	267.13
45	TAPS 3&4	Nuclear	1080.00	4.94	4.94	39.14	3.42	0.00	13.38	0.00	13.38
46	NTPC		43750.97	1926.04	1518.92	5873.09	218.96	530.33	1596.49	68.69	2195.52
47	ANTA (GAS)	Thermal	49163.99	2362.28	1825.65	0.00	2.36	0.00	0.00	0.00	0.00
48	ANTA (LIQUID)	Thermal	419.00	70.27	48.69	0.00	13.41	0.00	0.00	0.00	0.00
49	ANTA (RLNG)	Thermal	419.00	70.27	48.69	0.16	11.58	36.17	0.18	0.00	36.36
50	AURIYA	Thermal	663.00	108.86	74.92	0.00	13.36	0.00	0.00	0.00	0.00
51	AURIYA (GAS)	Thermal	663.00	108.86	74.92	0.00	2.38	0.00	0.00	0.00	0.00
52	AURIYA (RLNG)	Thermal	663.00	108.86	74.92	0.96	11.62	50.08	1.12	0.00	51.20
53	DADRI (GAS)	Thermal	830.00	140.60	96.20	0.00	2.34	0.00	0.00	0.00	0.00
54	DADRI (LIQUID)	Thermal	830.00	140.60	96.20	0.00	24.89	0.00	0.00	0.00	0.00
55	DADRI (RLNG)	Thermal	830.00	140.60	96.20	1.73	11.12	52.42	1.93	25.80	80.19

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Sr. No.	Name of Power Station	Fuel Source	Installed Capacity MW	Summer Entitlement MW	Winter Entitlement MW	Annual Energy Purchase MU	Variable Charge rate Rs./kWh	Capacity Charges Rs. Crores	Energy Charges Rs. Crores	Other Charges Rs. Crores	Total Charges Rs. Crores
56	FARAKKA	Thermal	1600.00	13.60		95.02	3.38	9.65	32.10	3.73	45.49
57	GARDWARA	Thermal	1600.00	9.19	9.19	59.13	3.61	24.25	21.32	0.00	45.57
58	JHANOR GANDHAR	Thermal	657.39	0.04	0.04	0.00	2.17	-66.00	0.00	0.00	-66.00
59	JHANOR GANDHAR NAPM	Thermal	657.39	0.04	0.04	0.00	2.46	0.00	0.00	0.00	0.00
60	JHANOR GANDHAR RLNG	Thermal	657.39	0.04	0.04	0.03	11.01	0.00	0.03	0.00	0.03
61	KAHALGAON-I	Thermal	840.00	30.91	30.91	210.08	3.22	13.50	67.69	0.00	81.20
62	KAHALGAON-II	Thermal	1500.00	83.40	83.40	585.65	3.05	8.48	178.84	0.03	187.36
63	KAWAS 4 GAS	Thermal	656.20	0.03	0.03	0.00	2.20	-66.00	0.00	0.00	-66.00
64	KAWAS 4 LIQUID	Thermal	656.20	0.03	0.03	0.00	8.44	0.00	0.00	0.00	0.00
65	KAWAS 4 NAPM	Thermal	656.20	0.03	0.03	0.00	2.48	0.00	0.00	0.00	0.00
66	KAWAS 4 RLNG	Thermal	656.20	0.03	0.03	0.02	11.11	0.00	0.02	0.00	0.03
67	KHARGONE	Thermal	1320.00	7.58	7.58	50.80	3.90	26.50	19.84	3.04	49.38
68	KOLDAM	Hydro	800.00	125.28	106.24	376.19	2.45	25.18	92.24	0.00	117.42
69	KORBA-1	Thermal	2100.00	6.21	6.21	45.32	1.43	8.59	6.47	0.27	15.33
70	KORBA-3	Thermal	500.00	2.87	2.87	22.45	1.40	11.73	3.14	0.82	15.69
71	LARA	Thermal	1600.00	9.15	9.15	63.40	1.36	18.83	8.62	0.38	27.83
72	MEJA	Thermal	1320.00	102.96	68.90	431.62	3.19	35.21	137.82	0.00	173.04
73	MOUDA 1	Thermal	1000.00	5.75	5.75	33.75	3.54	18.24	11.96	0.28	30.48
74	MOUDA 2	Thermal	1320.00	7.58	7.58	47.16	3.58	17.59	16.88	0.01	34.48
75	NCTP-2	Thermal	980.00	12.78	6.25	62.62	4.66	31.30	29.20	0.89	61.39
76	RIHAND-I	Thermal	1000.00	81.80	75.80	588.01	1.56	10.48	91.46	-0.29	101.65
77	RIHAND-II	Thermal	1000.00	106.80	100.30	757.19	1.55	9.34	117.50	0.43	127.27
78	RIHAND-III	Thermal	1000.00	79.76	72.57	558.87	1.53	17.36	85.64	0.63	103.63
79	SINGRAULI HYDRO	Hydro	8.00	0.79	0.37	1.61	5.04	0.00	0.81	0.00	0.81
80	SINGRAULI THERMAL	Thermal	2000.00	23.80	11.60	123.15	1.51	15.20	18.58	6.66	40.44
81	SIPAT-1	Thermal	1980.00	11.38	11.38	67.68	1.35	15.83	9.15	0.02	24.99
82	SIPAT-2	Thermal	1000.00	3.94	3.94	28.83	1.39	11.69	4.02	0.10	15.81
83	SOLAPUR	Thermal	1320.00	7.58	7.58	51.20	4.44	20.91	22.76	0.00	43.67

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Sr. No.	Name of Power Station	Fuel Source	Installed Capacity MW	Summer Entitlement MW	Winter Entitlement MW	Annual Energy Purchase MU	Variable Charge rate Rs./kWh	Capacity Charges		Energy Charges		Other Charges		Total Charges	
								Rs.	Crores	Rs.	Crores	Rs.	Crores	Rs.	Crores
84	TANDA	Thermal	1320.00	81.92	75.52	542.63	3.79	17.97	205.76	0.02	223.74				
85	UNCHAHAR-1	Thermal	420.00	15.22	14.25	123.64	4.75	36.83	58.70	0.00	95.53				
86	UNCHAHAR-2	Thermal	420.00	35.95	32.93	245.58	3.65	13.25	89.55	0.04	102.83				
87	UNCHAHAR-3	Thermal	210.00	15.92	14.45	119.63	4.65	14.16	55.62	0.01	69.80				
88	UNCHAHAR-4	Thermal	500.00	62.18	58.63	421.83	4.35	24.52	183.40	1.26	209.18				
89	VINDHYACHAL-1	Thermal	1260.00	5.39	5.39	37.49	1.59	10.54	5.95	0.13	16.63				
90	VINDHYACHAL-2	Thermal	1000.00	4.14	4.14	29.92	1.53	9.25	4.58	0.12	13.95				
91	VINDHYACHAL-3	Thermal	1000.00	4.14	4.14	32.23	1.52	9.47	4.89	0.83	15.20				
92	VINDHYACHAL-4	Thermal	1000.00	5.75	5.75	37.68	1.50	19.56	5.64	16.74	41.95				
93	VINDHYACHAL-5	Thermal	500.00	2.87	2.87	19.85	1.55	18.23	3.08	6.73	28.03				
94	Other CSPP		5832.02	506.50	355.42	1576.62	0.00	138.89	324.30	0.77	463.97				
95	JHAJJAR APCPL	Thermal	1500.00	74.70	35.55	296.82	4.41	39.98	130.84	-0.08	170.74				
96	PTC THEP	Hydro	1020.00	18.05	18.05	22.10	2.27	0.00	5.02	0.00	5.02				
97	SIVNL NJ	Hydro	1500.00	202.65	151.50	644.66	1.20	16.48	77.55	0.75	94.79				
98	SIVNL Rampur	Hydro	412.02	54.02	41.08	256.08	1.14	16.88	29.20	0.03	46.11				
99	THDC	Hydro	1000.00	113.00	78.80	264.09	2.12	27.56	55.85	0.03	83.45				
100	THDC KOTESHWAR	Hydro	400.00	44.08	30.44	92.87	2.78	37.99	25.84	0.04	63.87				
101	Short Term		0.00	0.00	0.00	5298.05	5.70	0.00	3019.89	0.00	3019.89				
102	OTHER SOURCES (PX, BILATERAL, DEEP PORTAL)		0.00	0.00	0.00	5298.05	5.70	0.00	3019.89	0.00	3019.89				
103	RENEWABLE		20.00	20.00	20.00	50.12	2.63	0.00	13.18	0.00	13.18				
104	NHPC (Solar 20 MW - Aavada)	Solar	20.00	20.00	20.00	50.12	2.63	0.00	13.18	0.00	13.18				
105	SUPPLEMENTARY BILLS FROM GENERATORS							0.00	0.00	998.57	998.57				
106	JKPCL TRADING MARGIN						0.02	0.00	44.57	0.00	44.57				
107	JKPCL Trading Margin						0.02	0.00	44.57	0.00	44.57				
108	Transmission Charges							1417.32	0.00	54.03	1471.35				
109	JKPTCL							322.19	0.00	0.00	322.19				
110	PGCIL							1081.13	0.00	0.00	1081.13				
111	TANDA TRANSMISSION CHG							14.00	0.00	0.00	14.00				

JERC/JKL

JPDCL & KPDCL ARR and Tariff for FY 2024-25

Sr. No.	Name of Power Station	Fuel Source	Installed Capacity MW	Summer Entitlement MW	Winter Entitlement MW	Annual Energy Purchase MU	Variable Charge rate Rs./kWh	Capacity Charges Rs. Crores	Energy Charges Rs. Crores	Other Charges Rs. Crores	Total Charges Rs. Crores
112	POSOCO CHARGES							0.00	0.00	2.22	2.22
113	DEVIATION & SETTLEMENT A/C							0.00	0.00	51.81	51.81
114	Other Charges							0.00	0.00	298.68	298.68
115	NHPC WATER USAGE CHG.							0.00	0.00	297.70	297.70
116	REACTIVE ENERGY CHG. (CTU)							0.00	0.00	0.98	0.98
	Grand Total		57962.70	4776.69	4005.81	22284.61		2749.63	6450.54	1420.95	10621.12

Power purchase cost

- 4.26 The total power purchase cost from various generating stations at the generation periphery and other related expenses (transmission charges, water charges, POSOCO charges, JKPCCL 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 31 Apportionment of Power Purchase Cost by JPDCL

Particulars	Legend	JPDCL	KPDCL
Cost of Total Power Purchase (Rs. Crore)	A	10621.12	10621.12
Total Energy purchased at DISCOM periphery (MU)	B	21016.25	21016.25
Average power purchase cost at DISCOM periphery (MU)	$C = A/B \times 10$	5.05	5.05
Energy at JPDCL periphery (MU)	D	8757.28	11150.97
Power Purchase Cost for JPDCL/KPDCL (Rs. Crores)	$E = C \times D$	4425.72	5839.15

Commission's Analysis

- 4.27 The Commission has approved the energy sales for the FY 2024-25 in the previous sections. For FY 2024-25, the Commission has approved distribution loss for JPDCL and KPDCL in its last Tariff Order dated 24.11.2023 which includes the Business Plan also. The same has been considered under the ARR of 2024-25. Based on the same, the power purchase requirement for FY 2024-25 has been derived.

Power Purchase Quantum

- 4.28 The Commission has noted the provisions given in Regulation 8.8 of JERC MYT Regulations, 2023, regarding the power purchase plan. The relevant provisions are described below:

"8.8 Power Procurement Plan

The Distribution Licensee shall prepare a plan for procurement of power shall be done as per the provisions of the prevalent Power Purchase and Procurement Process Regulations.

Provided further that such power procurement plan may include long-term, medium-term and short-term sources of power procurement, in accordance with these Regulations;"

- 4.29 Further, the relevant provisions from the Joint Electricity Regulatory Commission for the UT of J&K and the UT of Ladakh (Guidelines for Load Forecasts, Resources Plans, and Power Procurement Process) Regulations, 2023, regarding the assessment of availability in the power procurement plan is reproduced below:

"B. Assessment of Availability:

4.8 The Distribution Licensees along with JKPCCL shall carry out technology/fuel-wise categorization of existing generation capacity and any pipeline capacity which has been planned to be added to get an optimal energy mix to meet the rise in energy demand.

4.9 The Distribution Licensees along with JKPCCL shall develop a resource plan with different scenarios for RE integration with conventional power sources and the

adoption of different storage technologies to meet the peak load during high-demand seasons.

4.10 The Plant Availability (PAF) of the State Thermal power plants shall be considered on the basis of past patterns. In the case of Central Generating stations, the planning norms as per CEA/CERC as applicable for coal-based and gas-based units may be considered. In the case of IPPs, past performance shall be considered to estimate the availability of power. PAF for all new/upcoming thermal projects shall be considered as per norms provided in the State/Central tariff regulations.

4.11 The Capacity Utilization Factor (CUF) of existing solar and non-solar power plants shall be considered on the basis of the past performance of the plant. For new/upcoming projects the CUF shall be estimated considering CUF as per the PPA of the plant.

4.12 For estimating availability from Hydro Power Plants (HPPs), past years' rainfall pattern and corresponding actual month-wise energy availability shall be considered, thereby reflecting the seasonal variation in generation pattern for estimating the quantum of energy for forthcoming years.

4.13 The Distribution Licensees / JKPCCL shall follow a similar method as detailed above in Regulations 4.10 to 4.12 in case of consideration of Auxiliary consumption for different power plants.

4.14 The quantum of energy to be procured from renewable energy plants shall be as per the RPO trajectory in the relevant Regulations and amendments thereof.

4.15 While estimating the energy availability, the Distribution Licensees / JKPCCL shall explore other options like banking/power market and bilateral arrangements with other state-owned utilities to ensure power availability during Peak Periods."

- 4.30** The Commission notes that LPDD procures maximum power from JKPCCL as power generation from internal generation sources is limited in the Ladakh region. Further, the other generating plants mentioned by LPDD (diesel- and hydro-based) are considered internal sources of LPDD. The energy procurement from these plants, as approved by the Commission in its Business Plan order dated 10.10.2023, is considered. Based on the same, the energy balance and the quantum of power to be purchased from JKPCCL at DISCOM periphery and energy available from internal generation (for LPDD) for FY 2024-25 have been approved by the Commission as per the details given below:

Table 32: Approved Energy Balance and Power Purchase Quantum for FY 2024-25

FY	Sales	Distribution Loss	Energy Required at Discom level	Energy Available from Projects Other Than JKPCCL (Internal Sources of LPDD)	Energy Required at DISCOM Periphery Level from JKPCCL
JPDCL	5932.56	19%	7324.15		7324.15
KPDCL	5265.38	21%	6665.04		6665.04
LPDD	209.42	24.43%	277.12	18.21	258.91
Total	11407.36		14266.31		14248.10

Power Purchase Cost of JKPCCL

- 4.31** The Commission notes that JKPCCL is responsible for power purchases on behalf of all distribution utilities. To determine the power purchase cost of JKPCCL, it is necessary to consider the power purchase quantum of JPDCL, KPDCL and LPDD from JKPCCL.
- 4.32** For FY 2024-25, the Commission has considered 14248.10 MU of power requirement at the distribution level based on approved sales and distribution losses of the distribution licensees, namely JPDCL, KPDCL and LPDD. Further, considering the approved intra-state transmission losses, the power to be procured by JKPCCL at the UT level (combining J&K and Ladakh) is 14699 MU. The energy requirement of JKPCCL can be met through power procurement from JKPDCL, IPP (within the UT) and other central sector power projects (NTPC, NHPC, NPCIL, SJVN, etc). Considering the power procurement from JKPDCL and other sources within the UT, the energy requirement from outside (central generating sources and others) stands at 10460.12 MU at the UT level and 10833.89 MU at the generator level, after considering an inter-state transmission loss of 3.45%.
- 4.33** The inter-state transmission loss is taken as per data available on the National Load Despatch Centre¹ website for inter-state transmission losses. The Central Electricity Regulatory Commission (CERC) has notified CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020 on 04.05.2020 w.e.f. Nov 01.11.2020. As per Clause (10) of these regulations, transmission loss 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 on the average loss computed from the Special Energy Meter (SEM) data of the previous week. Considering the actual data of FY 2024-25 (April to June period), inter-state transmission loss of 3.45% is considered while performing the energy balance. Based on the above methodology, the energy balance for FY 2024-25 has been derived, the details of which are given in the table below:

Table 33: Energy Balance for FY 2024-25, as Approved by the Commission

FY	Energy Required at DISCOM Level (MU)	Intra-State Transmission Loss	Energy Required at UT level from JKPCCL (MU)	Supply by JKPDCL and Others within the UT	Remaining Supply by CGS and Others at UT Level	Inter-State Transmission Loss	Supply by CGS and Others (Generator Level)
FY 2024-25	14248.10	3.07%	14699.37	4239.25	10460.12	3.45%	10833.89

- 4.34** Further, to decide the energy purchase quantum from Central Generating Stations (CGSs), the Commission has considered supply from different power plants as per the merit order despatch principle after considering the supply from hydro, renewable and nuclear as 'must-run'. The energy availability data has been obtained from JKPCCL. While running the merit order, in the first step, the Commission has identified all the projects (from which

¹ <https://posoco.in/side-menu-pages/applicable-transmission-losses/>

JKPCL procures power) as 'must-run' projects and 'merit order' projects, depending on the fuel sources, details of which are provided in the previous APR chapter.

- 4.35** Considering the above, in the next step, the Commission has considered the energy available from 'must-run' plants (i.e. hydro, nuclear and renewable) and the remaining energy (i.e. total requirement minus energy from must-run) is considered from 'merit order' plants (thermal: coal and gas). While deciding the merit order, the Commission has prepared the merit order stack as per variable cost (Rs./unit) of the thermal power projects. The variable cost data for the same has been considered as per data submitted by JKPCL, as directed by the Commission.
- 4.36** Further, the merit order despatch analysis has been considered for each month based on monthly requirements and availability. It has been observed that for some months the availability is more than a requirement, then the surplus power during the month is assumed to be banked and considered further banked-in (import) in the following months. Similarly, where availability is less than demand, power from the open market (like power exchange) is considered to be procured by JKPCL. The power purchases from must-run and merit-order plants are given below:

Table 34: Power Purchase from Must-run Plants and Plants Considered under Merit Order for FY 2024-25, as Approved by the Commission (MU)

FY	Energy Required at the UT Level from JKPCL	Supply by JKPCL and Others within the UT (Must-run)	Remaining Supply by CGS and Others at UT level	Inter-State Transmission Loss	Supply by CGS and Others (Generator Level)	Supply by CGS and Others (Generator Level) (Must-run)	Supply by CGS and Others (Generator Level) (Merit Order)
FY 2024-25	14699.37	4239.25	10460.12	3.45%	10833.89	6916.248	3917.64

- 4.37** Now, to derive the cost of power projects, the Commission considers the power purchase cost of JKPCL power projects and the power purchase cost of CGSs and other projects. In the case of JKPCL, the power purchase cost approved by the Commission for FY 2024-25 is taken into consideration.
- 4.38** In the case of determination of fixed charges, the Commission has considered the relevant CERC orders and derived the annual fixed charges applicable for JKPCL as per allocation (in terms of MW) details submitted by JKPCL. The cost as approved for FY 2023-24 is escalated by 5% for FY 2024-25. It is noticed that CERC has published the Tariff regulations for the 2024-29 period and hence, the relevant Petitioners (JPDCL & KPDCL) are yet to be prepared for CGSs. Hence, only a 5% escalation over FY 2023-24 fixed cost is considered. For variable charges (in terms of Rs/kWh) of CGSs, the Commission has reviewed the variable charges submitted by JKPCL and accordingly approves the variable charges for FY 2023-24. Following the similar logic for fixed charges, variable charges for FY 2023-24 are escalated by 5% for consideration during FY 2024-25.

- 4.39** Further, transmission charges to be paid to the intra-state transmission licensee —Jammu and Kashmir Power Transmission Corporation Limited (JKPTCL), as approved by the Commission in the transmission Tariff Order for FY 2024-25 have been considered by the Commission. For PGCIL and POSOCO charges, a 5% escalation on FY 2023-24 approved cost has been considered for FY 2024-25, as the Petitions for determining transmission charges and RLDC charges for FY 2024-25 by CTU and NRLDC are yet to be approved by CERC. Additionally, JKPCCL's trading margin of 2 paisa/unit is considered, which was approved by the Commission (Petition No. JERC/P/07 of 2022 and Order No. JERC/07 of 2022 dated 21.11.2022). After taking into account all the above costs, the total power purchase cost of JKPCCL for FY 2024-25 is derived, which is given in the table below:

Table 35: Total Power Purchase Cost for FY 2024-25, as Approved by the Commission

S. No	Source	Fuel Type	Installed Capacity in MW	Energy Received (in MU's)	Total Annual Fixed charges (Rs. cr)	Charges (in Rs. cr)					Cost Per Unit Energy Purchased (Rs. /kWh)
						Capacity Charges (in Rs. cr.)	Variable Charges (in Rs. cr.)	Variable Cost Per Unit (Rs./kWh)	OTHER CHARGES (in Rs. cr.)	Total (in Cr.)	
				1		2	3		4	5 = 2+3+4	
NHPC Power Houses											
1	Salal	Hydro	690	1156.19		75.36	61.41	0.53	0.16	136.94	1.18
2	Tanakpur	Hydro	94	30.38		7.85	7.90	2.60	0.00	15.75	5.18
3	Chamera-I	Hydro	540	80.84		6.75	9.67	1.20	0.01	16.43	2.03
4	Chamera-II	Hydro	300	126.25		24.80	13.32	1.06	0.04	38.16	3.02
5	Chamera-III	Hydro	231	89.71		29.55	19.67	2.19	0.03	49.25	5.49
6	Uri	Hydro	480	840.12		76.68	54.53	0.65	0.11	131.32	1.56
7	Dauliganga	Hydro	280	94.61		17.66	12.72	1.34	0.03	30.41	3.21
8	Dulhasti	Hydro	390	499.59		115.11	76.57	1.53	0.08	191.77	3.84
9	Sewa-II	Hydro	120	109.87		28.08	14.49	1.32	0.02	42.60	3.88
10	Nimoo-Bazgo	Hydro	45	220.92		93.67	91.62	4.15	0.00	185.29	8.39
11	Chutak	Hydro	44	156.91		82.40	63.93	4.07	0.00	146.33	9.33
12	Uri-II	Hydro	240	380.40		67.53	55.72	1.46	0.06	123.31	3.24
13	Parbati-III	Hydro	520	35.14		34.14	5.68	1.62	0.06	39.88	11.35
14	Kishanganga	Hydro	330	243.60		74.77	23.11	0.95	0.05	97.93	4.02
A	Total NHPC			4064.53		734.37	510.34	24.67	0.66	1245.37	3.06
NTPC Power Houses											
1	Anta	Gas	419	0.16		28.49	0.04	2.48	0.00	28.52	1795.38
2	Auriya	Gas	663	0.96		44.35	0.24	2.50	0.00	44.59	463.63
3	DADRI	Gas	830	1.73		47.70	0.43	2.46	21.72	69.85	402.75
4	Unchahar-I (Feroze Gandhi-I)	Coal	420	39.92		3.52	19.90	4.99	0.00	23.43	5.87
5	Unchahar-II (Feroze Gandhi-II)	Coal	420	92.27		27.22	35.33	3.83	0.04	62.58	6.78
6	Unchahar-III (Feroze Gandhi-III)	Coal	210	41.99		13.06	20.50	4.88	0.01	33.57	7.99
7	Unchahar-IV (Feroze	Coal	500	154.87		72.57	70.70	4.57	1.23	144.50	9.33

S. No	Source	Fuel Type	Installed Capacity in MW	Energy Received (in MU's)	Total Annual Fixed charges (Rs. cr.)	Charges(in Rs. cr)					Cost Per Unit Energy Purchased (Rs. /kWh)
						Capacity Charges (in Rs. cr.)	Variable Charges (in Rs. cr.)	Variable Cost Per Unit (Rs./kWh)	OTHER CHARGES (in Rs. cr.)	Total (in Cr.)	
				1		2	3		4	5 = 2+3+4	
	Gandhi-IV)										
8	Farakka	Coal	1600	34.70		9.23	12.31	3.55	3.73	25.27	7.28
9	Gardwara	Coal	1600	17.82		25.46	6.75	3.79	0.00	32.21	18.07
10	Jhanor Gandhar	Coal	657	0.00		0.00	0.00	0.00	0.72	0.72	
11	Khargone	Coal	1320	196.59		11.58	80.60	4.10	3.04	95.23	4.84
12	Kahalgaoon-I	Coal	840	75.56		13.63	25.56	3.38	0.00	39.20	5.19
13	Kahalgaoon-II	Coal	1500	196.59		56.55	63.04	3.21	0.03	119.62	6.08
14	Koldam	Hydro	800	376.19		88.96	96.85	2.57	0.00	185.82	4.94
15	Korba-1	Coal	2100	27.36		3.42	4.10	1.50	0.27	7.79	2.85
16	Korba-3	Coal	500	13.47		2.38	1.98	1.47	0.82	5.18	3.84
17	Kawas 4	Gas	656	0.00		0.00	0.00	0.00	0.00	0.00	
18	Lara	Coal	1600	36.99		19.77	5.28	1.43	0.38	25.43	6.87
19	Mouda 1	Coal	1000	11.93		7.17	4.44	3.72	0.28	11.89	9.96
20	Mouda 2	Coal	1320	14.66		8.84	5.51	3.76	0.01	14.36	9.79
21	NCTP-2	Coal	980	25.49		24.47	12.48	4.90	0.66	37.61	14.76
22	Rihand-I	Coal	1000	235.65		47.06	38.49	1.63	-0.28	85.27	3.62
23	Rihand-II	Coal	1000	448.66		59.43	73.10	1.63	0.42	132.95	2.96
24	Rihand-III	Coal	1000	337.72		82.47	54.34	1.61	0.60	137.41	4.07
25	Solapur	Coal	1320	16.69		21.96	7.79	4.67	0.00	29.75	17.82
26	Sipat-1	Coal	1980	242.02		10.53	34.34	1.42	0.02	44.89	1.85
27	Sipat-2	Coal	1000	234.37		2.86	34.29	1.46	0.10	37.25	1.59
28	Singrauli Hydro	Hydro	8	1.61		0.00	0.85	5.29	0.00	0.85	5.29
29	Singrauli Thermal	Coal	2000	297.23		9.84	47.09	1.58	4.95	61.89	2.08
30	Tanda	Coal	1320	167.11		22.75	66.53	3.98	0.02	89.30	5.34
31	Vindhyachal-1	Coal	1260	12.78		3.52	2.13	1.67	0.13	5.78	4.52
32	Vindhyachal-2	Coal	1000	18.63		2.37	2.99	1.61	0.12	5.48	2.94
33	Vindhyachal-3	Coal	1000	19.07		2.78	3.04	1.59	0.83	6.65	3.49
34	Vindhyachal-4	Coal	1000	22.26		7.09	3.50	1.57	16.74	27.33	12.28
35	Vindhyachal-5	Coal	500	240.72		3.60	39.19	1.63	6.73	49.52	2.06
B	Total NTPC			3653.77		784.63	873.71	2.39	63.33	1721.66	4.71
NPCIL Power Houses											
1	NAPPS	NUCLEAR	440	383.91		0.00	120.43	3.14	0.00	120.43	3.14
2	RAPS 3&4	NUCLEAR	440	259.66		0.00	99.52	3.83	0.00	99.52	3.83
3	RAPS 5&6	NUCLEAR	440	259.66		0.00	99.52	3.83	0.00	99.52	3.83
4	KAPPS	NUCLEAR	440	28.10		0.00	11.70	4.16	0.00	11.70	4.17
5	TAPPS	NUCLEAR	1080	39.14		0.00	14.05	3.59	0.00	14.05	3.59
C	Total NPCIL			970.47		0.00	345.22	3.56	0.00	345.22	3.56
D	SIVNUL NJ	HYDRO	1500	644.66		85.46	81.43	1.26	0.66	167.55	2.60

JPDCL & KPDCL ARR and Tariff for FY 2024-25

S No	Source	Fuel Type	Installed Capacity in MW	Energy Received (in MU's)	Total Annual Fixed charges (Rs. cr.)	Charges (in Rs. cr.)					Total (in Cr.)	Cost Per Unit Energy Purchased (Rs./kWh)
						Capacity Charges (in Rs. cr.)	Variable Charges (in Rs. cr.)	Variable Cost Per Unit (Rs./kWh)	OTHER CHARGES (in Rs. cr.)			
				1		2	3		4	5 = 2+3+4		
E	SJVNL Rampur	HYDRO	412.02	256.08		40.79	30.66	1.20	0.00	71.45	2.79	
F	THDC	HYDRO	1000	264.09		51.80	58.65	2.22	0.00	110.44	4.18	
G	THDC Koteshwar	HYDRO	400	92.87		27.02	27.13	2.92	0.00	54.16		
H	APCPL (Jhajjar)	COAL	1500	17.82		96.59	8.25	4.63	-0.06	104.77	58.78	
I	Meja	COAL	1320	20.67		141.68	6.93	3.35	0.00	148.62	71.88	
J	PTC THEP	HYDRO	1020	22.10		0.00	5.27	2.38	0.00	5.27		
K	Short-term purchase			609.34			310.31	5.09		310.31	5.09	
State Owned Power Houses												
a	Chenani HEP-I		23	59.87		5.81	3.17	0.53	0.00	8.98	1.50	
b	Chenani HEP-II		2	0.86		1.12	0.08	0.94	0.00	1.20	13.97	
c	Chenani HEP-III		7.5	3.85		3.39	0.36	0.94	0.00	3.75	9.75	
d	Sewa HEP-III		9.0	0.00		5.80	0.00	1.78	0.00	5.80		
e	Bhaderwah HEP		1.0	0.00		0.66	0.00	0.71	0.00	0.66	44000.71	
f	Pahalgam MHEP		3.0	4.09		2.91	0.70	1.70	0.00	3.61	8.81	
g	Ganderbal HEP		15.0	13.86		4.44	0.69	0.50	0.00	5.13		
h	Karnah HEP		2.0	7.74		1.94	1.34	1.73	0.00	3.28	3.70	
i	Lower Jehlum HEP		105.0	544.00		24.14	21.76	0.40	0.00	45.90	4.23	
j	USHP I Sumbal		22.6	41.57		6.63	2.62	0.63	0.00	9.25	0.84	
k	Ushp II Kangan		105.0	154.02		25.41	8.93	0.58	0.00	34.34	2.22	
l	Igo Mercellong HEP		3.0	4.96		3.73	1.18	2.37	0.00	4.91	2.23	
m	Marpachoo HEP		0.75	0.20		0.91	0.04	1.88	0.00	0.95	9.89	
n	Haftal HEP		1.0	0.41		1.24	0.11	2.57	0.00	1.35	46.78	
o	Iqbal HEP		3.75	0.39		2.51	0.05	1.19	0.00	2.56	32.90	
p	Sumoor		0.1	0.11		0.14	0.03	3.09	0.00	0.17	65.61	
q	Hunder		0.4	0.47		0.38	0.10	2.14	0.00	0.48	15.72	
r	Bazgo		0.3	0.24		0.33	0.07	3.10	0.00	0.40	10.17	
s	Stakna		4.0	0.00		0.00	0.00	0.00	0.00	0.00	16.85	
t	Sanjak		1.26	0.64		1.01	0.15	2.29	0.00	1.16		
u	BHEP-II		450.0	1602.35		0.00	418.21	2.61	0.00	418.21	17.99	
v	BHEP-1 HEP		450.0	1784.97		101.47	144.58	0.81	14.28	260.33	2.61	
TOTAL PDC & BHEP				4224.62		193.97	604.17		14.28	812.42	1.46	
IPP												
M	Khari IPP		3.75	14.63			6.44	4.40		6.44	4.40	

S. No	Source	Fuel Type	Installed Capacity in MW	Energy Received (in MU's)	Total Annual Fixed charges (Rs. cr.)	Capacity Charges (in Rs. cr.)	Charges(in Rs. cr)				Cost Per Unit Energy Purchase d (Rs. /kWh)	
						Variable Charges (in Rs. cr.)	Variable Cost Per Unit (Rs./kWh)	OTHER CHARG ES (in Rs. cr.)	Total (in Cr.)			
				1		2	3		4	5 = 2+3+4	6	
N	PGCIL					890.66					890.66	
O	RE and RLDC											
a	NHPC (Solar 20 MW)											
b	NHPC (Solar 280 MW)											
c	NTPC (320 MW)											
d	SECI (Solar 100 MW - Tranche IX)											
e	SECI (Solar 100 MW -Mfg LS)											
f	SJVNL (600 MW)											
g	AVAADA Solar			50.12			13.18	2.63			13.18	
h	POSOCO								1.32	1.32		
	Others											
P	Others								11.52	11.52		
Q	Transmission JKPTCL								202.95	202.95		
R	JKPCL Trading Margin								41.84	41.84		
Grand Total				14955.91	0.00	3046.96	2881.69	60.71	324.98	6253.63	4.18	

- 4.40** The above power purchase cost implies that the power purchase cost of JKPCL is Rs. 4.18/kWh (at generator bus bar), Rs. 4.25/kWh (at UT periphery) and Rs. 4.39/kWh (at DISCOM level). Based on JKPCL's average cost of Rs. 4.39/kWh at Discom periphery {Rs 6253.63 crore divided by 14248.10 MU combined (JPDCL, KPDCL and LPDD), energy purchased at distribution periphery} and requirement of Discoms, the total cost of power purchase for JPDCL and KPDCL for FY 2024-25 is derived as Rs.3214.64 crore and Rs.2925.35 crore.

Capital Expenditure and Capitalization

JPDCL's Submission

- 4.41** The Petitioner has projected to incur capital expenditure of Rs. 301.17 crores in the FY 2024-25. This includes Rs. 257.62 crores under the RDSS scheme and Rs. 43.55 crores on account of various UT Government schemes during FY 2024-25.
- 4.42** The details of the Capital expenditure projected to be incurred in FY 2024-25 are as follows:

Table 36 Details of Capital Expenditure projected to be incurred in FY 2024-25 (in Rs. Crores)

Particulars	Total Cost	Revised Estimate
		FY 2024-25
Smart Metering Work	678.81	237.58
ERP System/Any other Software	50.59	20.00
HVDS	100.20	35.07
Distribution Lines (LT Bare to LT AB & 11 KV Bifurcation)	928.54	324.99
Segregation & Reconductoring	493.44	172.70
Augmentation/ Replacement of DTs	392.28	137.30
Barbed Wires and Capacitor Banks	149.17	52.21
Subtotal (A)	2793.03	979.85
State UT Scheme (B)*	81.93	43.55
REC Loan (C)	41.59	0.00
Total (D) = (A) + (B) + (C)	2916.56	1023.41

4.43 The details of the projected capitalization for the FY 2024-25 are as follows:

Table 37 Details of project Capitalization for MYT Control Period (in Rs. Crores)

Particulars	ARR
	FY 2024-25
Smart Metering Work	145.94
ERP System/Any other Software	16.00
HVDS	21.54
Distribution Lines (LT Bare to LT AB & 11 KV Bifurcation)	199.64
Segregation & Reconductoring	106.09
Augmentation/ Replacement of DTs	84.34
Barbed Wires and Capacitor Banks	32.07
Subtotal (A)	605.62
State UT Scheme (B)*	31.35
REC Loan (C)	16.44
Total (D) = (A) + (B) + (C)	653.40

KPDCL's Submission

4.44 The Petitioner has projected to incur a capital expenditure of Rs. 1161.90 crores in the FY 2024-25. This includes Rs. 846.15 crores under the RDSS scheme and Rs. 315.75 crores on account of various UT Government schemes during FY 2024-25.

4.45 The details of the Capital expenditure projected to be incurred in FY 2024-25 are as follows:

Table 38 Details of Capital Expenditure projected to be incurred in FY 2024-25 (in Rs. Crores)

Particulars	Total Cost	Revised Estimate
		FY 2024-25
Smart Metering Works	635.24	190.57
IT/ OT Enablement Works	67.04	20.11
Conversion of LT Network to HT with replacement of Old DTs	1116.20	334.86
LT Bare to LT AB	475.51	142.65
Bifurcation and Segregation	200.14	60.04
Reconductoring	326.37	97.91
Sub Total (A)	2820.50	846.15
State UT Schemes (B)		315.75
Grand Total (A+B)	3271.67	1161.90

4.46 The details of the projected capitalization for the FY 2024-25 are as follows:

Table 39 Details of project Capitalization for MYT Control Period (in Rs. Crores)

Particulars	ARR
	FY 2024-25
Smart Metering Works	95.29
IT/ OT Enablement Works	10.06
Conversion of LT Network to HT with replacement of Old DTs	167.43
LT Bare to LT AB	71.33
Bifurcation and Segregation	30.02
Reconductoring	48.96
Sub Total – RDSS (A)	423.08
State UT Schemes (B)	99.07
Grand Total (A+B+C)	522.14

Commission's Analysis

- 4.47** The Commission has noted the capital expenditure and capitalisation submitted by the Petitioner. The progress of the schemes will be reviewed under APR of FY 2024-25 and during the true-up of FY 2024-25. The Commission directs the Petitioner to complete the schemes as per the given timeline without any time or cost overruns. Further, it has been noticed that all the schemes have been financed by Central Govt or UT Government under various schemes through grants only. Hence, the capitalisation cannot be considered under depreciation, interest on loan or return on equity calculation.

Operations & Maintenance Expenses

Petitioner's Submission

JPDCL' Submission

4.48 The O&M forecasted by JPDCL are as under:

Table 40 O&M Forecasted by JPDCL (in Rs crores) for FY 2024-25

Sr No	Particulars	Projected
1	Employee Expenses	479.46
2	A&G Expenses	6.74
2.2	Provision: IT Initiatives, Smart Meter PMPM expenses	39.61
3	R & M Expenses	41.46
4	Total O&M Expenses	567.28

KPDCL' Submission

4.49 The O&M forecasted by KPDCL are as under:

Table 41 O&M Forecasted by KPDCL (in Rs crores) for FY 2024-25

Sr No	Particulars	FY 2024-25 (Estimated)
1	Employee Expenses	534.15
2	A&G Expenses	3.25
2.1	Off-Grid Material & Supply	14.11
2.2	Provision: IT Initiatives, Smart Meter PMPM expenses	42.30
3	R&M Expenses	15.54
	O&M Expense capitalised	-
4	Total Operation & Maintenance Expenses (net of capitalisation)	609.35

Commission's Analysis

4.50 The Commission observes that Regulation 52 and Regulation 63 of the JERC MYT Regulations, 2023, specify the detailed methodology for determining the O&M expenses for the wheeling business and retail supply business. The method is similar for both businesses. Hence, for reference, Regulation 52 is reproduced below:

"O&M expenses for the n^{th} year of the control period shall be approved based on the formula given below.

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

Where,

(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:

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

Where,

EMP_n – Employee expenses of the Distribution Licensee for the n th 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:

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

where,

$R\&M_n$ – Repair and Maintenance expenses of the Distribution Licensee for the n th 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:

$A\&G_n = (A\&G_{n-1}) \times (1 + \text{WPI inflation}) + \text{Provision}$

$A\&G_n$ – Administrative and General expenses of the Distribution Licensee for the n th 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.

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 – CPI inflation and WPI inflation shall be used for all Years of the Control Period. However, the Commission

shall consider the actual values of the factors – CPI inflation and WPI inflation 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.”

- 4.51** The Commission has approved the normative expenses for FY 2023-24 in the previous order, based on which the expenses for FY 2024-25 are approved following the formula given in the Regulations. The inflation factors are considered while approving the expenses for FY 2024-25 based on FY 2023-24 approved expenses. The Commission considers 5.28% for CPI and 7.12% for WPI inflation.
- 4.52** Further, the Commission decides that X_n , i.e. the efficiency factor for the n^{th} year, should be zero. The terminal benefit is partly covered under employee expenses and terminal benefits like gratuity, pension etc are borne by the Government of J&K and hence, no separate approval is required for it. Based on the above discussion, the approved value for FY 2024-25 is given below:

Table 42: Approved O&M Expenses for FY 2024-25 (Rs. crore)

Sl. No	Particulars	JPDCL		KPDCL	
		FY 2023-24 (approved in last order)	FY 2024-25	FY 2023-24 (approved in last order)	FY 2024-25
1	Employee Expenses	407.93	429.47	488.05	513.82
2	R&M Expenses	53.18	56.96	28.47	30.50
3	A&G Expenses	8.41	9.01	42.04	45.03
4	Total O&M Expenses	469.52	495.45	558.56	589.35

Depreciation

Petitioner's Submission

- 4.53** Petitioners (JPDCL & KPDCL) are 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 equity infused to create assets in FY 2024-25:
- 4.54** 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 grants 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."

- 4.55 In line with the above-said provisions, the Petitioners (JPDCL & KPDCL) have claimed Nil depreciation (Depreciation as per regulatory accounts) on assets during FY 2024-25.

Commission's Analysis

- 4.56 The Commission observed that no depreciation has been claimed as the assets are proposed to be funded through capital grants only. As per Regulation 25.4 (c) and Provision of Regulation 30.1 of JERC MYT Regulations, 2023, no depreciation has been allowed on assets financed through capital subsidy or grant. As such, the Commission approves Nil depreciation for FY 2024-25.

Interest on long term loans

Petitioner's Submission

- 4.57 As discussed in the above section on Depreciation, Petitioners (JPDCL & KPDCL) do not intend to finance any capital works through any capital loan and/ or equity infused to create assets in FY 2024-25.
- 4.58 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 is not applicable. 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."

- 4.59 In line with the above said provisions, the Petitioners (JPDCL & KPDCL) have claimed Nil interest on long-term loans on assets during FY 2024-25.

Commission's Analysis

- 4.60 The Petitioners (JPDCL & KPDCL) submitted that interest on loan capital is not applicable as they have projected the asset addition through capital grants only. Following the provisions of Regulation 25.4 (e) and Regulation 28.7 of JERC MYT Regulations, 2023, no interest on loan capital is approved for FY 2024-25.

Return on Equity

Petitioner's Submission

- 4.61 As specified in regulation 25.4 (d) of the JERC MYT Regulations 2023, return on equity is not applicable to financial support corresponding to the 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;"

- 4.62 In line with the above-said provisions, the Petitioners (JPDCL & KPDCL) have claimed Nil return on regulatory equity on assets during FY 2024-25.

Commission's Analysis

- 4.63 The Commission has reviewed the submission made by the Petitioners (JPDCL & KPDCL) and accepts the submission with regard to Return on Equity. Therefore, the Commission has not considered any return on equity for FY 2024-25 as the capitalization is funded through capital subsidy/grant and hence equity amount is Nil in the present case.

Interest on working capital

Petitioner's Submission

- 4.64 As specified in provision 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. The relevant excerpt is reproduced here as follows:

Provision 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:"

- 4.65 Accordingly, as per regulation 31.4 read with regulation 31.5 of the JERC MYT Regulations 2023, interest on a working capital loan is allowable on the normative basis at an interest rate of SBI MCLR rate (1-year) as on 01.04.2023 plus 200 basis points, the 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."

- 4.66** It is submitted that; the Petitioner does not intend to avail of any actual loan for funding its working capital needs. However, as per the Regulations, it is entitled to interest on a working capital loan on a normative basis.
- 4.67** As specified in regulation 53.1 of the JERC MYT Regulations 2023, normative working capital for the distribution wire business consists of O&M expenses equivalent to 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. The 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;

(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."

- 4.68** Regulation 66.1 of the JERC MYT Regulations 2023 specifies that the working capital for the Retail Supply Business shall be determined in accordance with Regulation 58 of the Regulations. Regarding the rate of interest, the State Bank of India (SBI) MCLR rate applicable as of 01.04.2023 is 8.50% which is added with 200 basis points to arrive at the applicable rate of interest of 10.50%.

- 4.69** Detailed calculations for normative interest on working capital are tabulated as follows:

Table 43 Normative Interest on Working Capital Requirement by JPDCL for FY 2024-25 (Rs. Crore)

Particulars	APR (Rs. crores)
Computation of Working Capital	
O&M expenses	47.27
Maintenance Spares	1.38
Receivables	856.57
Working Capital requirement	905.23
Less:	
Amount held as security deposit from Distribution System Users	0.00
Total Working Capital	905.23
Computation of working capital interest	
Interest Rate (%)	10.50%
Interest on Working Capital	95.05

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

Table 44 Estimated normative interest on working capital by KPDCL for FY 2024-25

Sr. No.	Particulars	ARR Projection
	Computation of Working Capital	
1	O&M expenses	58.11
2	Maintenance Spares	0.96
3	Receivables	1142.26
4	Working Capital requirement	1,201.33
	Less:	
5	Amount held as security deposit from Distribution System Users	0.00
6	Total Working Capital	1,201.33
	Computation of working capital interest	
7	Interest Rate (%)	10.50%
8	Interest on Working Capital	126.14

Commission's Analysis

- 4.71** The Commission has reviewed the provisions given in JERC MYT Regulations, 2023. As per JERC MYT regulations, 2023 the norms for working capital for the Distribution Wires Business and Retail Supply Business should be as per details given in Chapter 6 and Chapter 7 of the said Regulations, respectively.
- 4.72** In view of the above provisions, the Commission has considered the working capital requirement as per approved values of parameters given in this Order. Considering same components of working capital are specified for the wire business and retail supply business, the Commission decides to approve the working capital requirement for the whole distribution business.
- 4.73** Further, the interest on working capital has to be considered as per provisions given in Regulation 31.5 of JERC MYT regulations, 2023. The Commission observes that the one-year SBI MCLR as of 1 April 2023 was 8.5%. Hence, interest on working capital is considered as 10.5% (i.e. 8.5% + 200 basis point).
- 4.74** Further, the Commission, in the tariff order for FY 2022-23, directed the Petitioner to submit the details of security deposit. In its compliance, the Petitioners (JPDCL & KPDCL) submitted that they collect Security deposit (SD) above Rs. 1000/- in the form of Fixed Deposit Receipts (FDR) which are a form of guarantee. No interest is paid on the same as it is a security instrument and not actual money received by the Petitioner. For Security deposit amounts lower than Rs. 1000/-, the Petitioners (JPDCL & KPDCL) submitted that they collect it in the form of cash. The Petitioner is in the process of collecting the information regarding SD collected from consumers in the form of cash from its various divisions. The Commission directs the Petitioners (JPDCL & KPDCL) to submit detailed information with regard to SD amounts lower than Rs. 1000/-. Thus, in light of the present submission, security deposit has not been considered while approving the working capital for FY. The details of approved interest on working capital are given below:

Table 45: Approved Interest on Working Capital for FY 2024-25 (in Rs. Crore)

Sl. No	Particulars	JPDCL	KPDCL
	Computation of Working Capital		
1	O&M expenses	41.29	49.11
2	Maintenance Spares	1.77	0.95
3	Receivables	560.49	445.26
4	Working Capital requirement	603.55	495.32
	Less:		
5	Amount held as security deposit from Distribution System Users		
6	Total Working Capital	603.55	495.32
	Computation of working capital interest		
7	Interest Rate (%)	10.5%	10.5%
8	Interest on Working Capital	63.37	52.01

Contribution to contingency reserves

Petitioner's Submission

- 4.75 It is submitted that the Petitioners (JPDCL & KPDCL) have not planned any contribution towards contingency reserves for FY 2024-25.

Commission's Analysis

- 4.76 Considering the submission made by the Petitioners (JPDCL & KPDCL), no amount for contribution towards contingency reserves for FY 2024-25 is considered by the Commission.

Provision for bad and doubtful debts

Petitioner's Submission

- 4.77 In accordance with Regulation 65.1 of the JERC MYT Regulations 2023, the Petitioners (JPDCL & KPDCL) claim 1% of the Annual Revenue Requirement towards provision for bad and doubtful debts. The Petitioners (JPDCL & KPDCL) shall claim actual provision made towards bad and doubtful debts at the time of True up for the respective years.

Commission's Analysis

- 4.78 The Commission has reviewed the provisions given in JERC MYT Regulations, 2023, with respect to bad and doubtful debts.
- 4.79 It is clear from the above that the provision for bad and doubtful debts shall be limited to 1% of ARR. It also clarified that the same should be based on the past trend of actual bad debts written off, subject to prudence check. As per the provisions given in JERC MYT Regulations, 2023, 1% of approved ARR (of JPDCL and KPDCL) is considered a bad debt write-off. For JPDCL, the approved amount is Rs 24.58 Crore and for KPDCL it is Rs 18.01 Crore. The Commission directs the Petitioners (JPDCL & KPDCL) to submit actual data of bad debts written off based on audited accounts in the next Tariff Petition.

Income Tax**Petitioner's Submission**

- 4.80 The Petitioners (JPDCL & KPDCL) submitted that they are claiming Nil income tax. However, the Petitioner reserves its right to approach the Commission to claim any future payment towards Income tax under Regulation 32 of the JERC MYT Regulations 2023.

Commission's Analysis

- 4.81 The Commission has not considered any income tax amount for FY 2024-25 as per submission made by JPDCL and KPDCL.

Non-tariff income**Petitioner's Submission****JPDCL-**

- 4.82 JPDCL had considered non-tariff income of Rs. 1.27 crore, in its Business Plan and MYT Petition. KPDCL had considered non-tariff income of Rs. 2.15 crore, in its Business Plan and MYT Petition. The Petitioners (JPDCL & KPDCL) continue with the above-said projection of the non-tariff income for FY 2024-25. The Petitioners (JPDCL & KPDCL) would submit the actual value of non-tariff income (if any) at the time of True up of ARR of FY 2024-25.

Commission's Analysis

- 4.83 The Commission notes that following incomes can be considered non-tariff incomes as per Regulation 54.2 and Regulation 67.2 of JERC MYT Regulations, 2023.

"67.2 The Non-Tariff Income shall inter-alia include:

- (a) Income from rent of land or buildings;*
- (b) Income from sale of scrap;*
- (c) Income from statutory investments;*
- (d) Interest on advances to suppliers/contractors;*
- (e) Rental from staff quarters;*
- (f) Rental from contractors;*
- (g) Income from hire charges from contractors and others;*
- (h) Income from advertisements, etc.;*
- (i) Meter/metering equipment/service line rentals;*
- (j) Service charges;*
- (k) Consumer charges;*
- (l) Recovery for theft and pilferage of energy;*
- (m) Rebate availed on account of timely payment of bills;*
- (n) Miscellaneous receipts;*

(o) *Deferred Income from grant, subsidy, etc., as per Annual Accounts;*

(p) *Prior period income, etc.:"*

- 4.84 The Petitioners (JPDCL & KPDCL) have projected the non-tariff income for FY 2024-25 based on the last tariff order. The Commission has reviewed the data and accordingly non-tariff income has been considered by the Commission for FY 2024-25 as proposed by the Petitioners (JPDCL & KPDCL). The Petitioners (JPDCL & KPDCL) should submit the information on non-tariff income based on audited accounts during the true-up exercise.

Aggregate Revenue Requirement (ARR) for FY 2024-25

Petitioner's Submission

- 4.85 The summary of expenses during FY 2024-25 as submitted by the Petitioners (JPDCL & KPDCL), as per the JERC MYT Regulations, 2023 are tabulated as follows:

Table 46: Projected ARR for FY 2024-25 of JPDCL & KPDCL (in Rs. Crore)

Sr. No.	Particulars	JPDCL	KPDCL
1	Power Purchase Expenses	4425.72	6,049.55
2	Operation & Maintenance Expenses	567.28	609.35
3	Depreciation		
4	Interest & Finance Charges		
5	Interest on Working Capital	95.05	126.14
6	Bad Debts written off	51.38	68.54
7	Contribution to contingency reserves		
8	Total Revenue Expenditure	5139.43	6,853.58
9	Return on Equity Capital		
10	Income Tax		
11	Aggregate Revenue Requirement	5139.43	6,853.58
12	Less: Non-Tariff Income	1.27	2.15
13	Less: Income from Other Business		
14	Aggregate Revenue Requirement of Distribution Business	5138.16	6,851.43

- 4.86 The Petitioners (JPDCL & KPDCL) requested the Commission to approve the above projections of ARR of FY 2024-25.

Commission's Analysis

- 7.2. The Commission notes that Regulation 58.1 of JERC MYT Regulations, 2023, specifies the components of ARR for retail supply business. Similarly, Regulation 51.1 of JERC MYT Regulations, 2023, specifies the components of ARR for the Distribution Wires Business. The relevant part for the retail supply business is given below.

"58.1 The tariff for retail supply of the Distribution Licensee shall provide for the recovery of the Aggregate Revenue Requirement of the Retail Supply Business for the respective Years of the Control Period, as approved by the Commission and comprising the following components:

- a) Cost of own power generation and power purchase expenses from other sources including Jammu Kashmir Power Corporation Ltd (JKPCL);
- b) Inter-State transmission charges;
- c) RLDC fees;
- d) Intra-State transmission charges;
- e) SLDC fees and charges;
- f) Balance Aggregate Revenue Requirement for Distribution Wires Business, as determined under Chapter 6 of these Regulations, after deducting income from wheeling charges payable by distribution system users other than the retail Consumers getting electricity supply from the same Distribution Licensee in accordance with prevalent Open Access Regulations, as amended from time to time;
- g) Provision for bad and doubtful debts;
- h) Return on Equity capital;
- i) Operation and Maintenance Expenses;
- j) Depreciation;
- k) Interest and finance charges on Loan Capital;
- l) Interest on Working Capital;
- m) Interest on consumer security deposits;
- n) Income Tax;
- Less
- o) Non-Tariff income;
- p) Income from Other Business, to the extent specified in these Regulations;
- q) Receipts on account of Cross-Subsidy Surcharge;
- r) Receipts on account of Additional Surcharge;

Provided that Depreciation, Interest on Loan Capital, Interest on Working Capital, Interest on consumer security deposits, Contribution to Contingency Reserves, Return on Equity, and Income Tax for Retail Supply Business shall be allowed in accordance with the provisions specified in Chapter 3 of these Regulations:

Provided further that prior period income/expenses shall be allowed by the Commission at the time of truing up based on audited accounts, on a case-to-case basis, subject to prudence check:

Provided also that all penalties and compensation payable by the Licensee to any party for failure to meet any Standards of Performance or for damages, as a consequence of the orders of the Commission, Courts, Consumer Grievance Redressal Forum, and Ombudsman, etc. or penalty imposed by Commission on Licensee for noncompliance with Renewable Purchase Obligations in accordance, as amended from time to time shall not be allowed to be recovered through the Aggregate Revenue Requirement:

Provided also that the Distribution Licensee shall maintain separate details of such penalties and compensation paid or payable by the Licensee, if any, and shall submit them to the Commission along with its Petition."

- 4.87** Based on the above provisions and components of ARR already approved in this chapter, the approved ARR for JPDCL and KPDCL for FY 2024-25 are given below.

Table 47: Approved ARR for FY 2024-25 of JPDCL and KPDCL (in Rs. Crore)

Sr. No.	Particulars	JPDCL	KPDCL
1	Power Purchase Expenses	3214.64	2925.35
2	Operation & Maintenance Expenses	495.45	589.35
3	Depreciation		
4	Interest & Finance Charges		
5	Interest on Working Capital	63.37	52.01
6	Bad Debts written off	38.10	36.01
7	Contribution to contingency reserves		
8	Total Revenue Expenditure	3811.56	3602.71
9	Return on Equity Capital		
10	Income Tax		
11	Aggregate Revenue Requirement	3811.56	3602.71
12	Less: Non-Tariff Income	1.27	2.15
13	Less: Income from Other Business		
14	Aggregate Revenue Requirement	3810.29	3600.56

Estimate of Revenue at Existing Tariff for FY 2024-25

Petitioner's Submission

- 4.88** Based on the forecast of consumer category-wise No. of consumers, connected load and sales the Petitioners (JPDCL & KPDCL) have worked out an estimate of revenue at the 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 48 Forecast by JPDCL & KPDCL of Estimated revenue at existing tariff at 100% collection efficiency (Rs. in crores)

Consumer category	JPDCL	KPDCL
Domestic	672.90	1136.10
Non-Domestic/Commercial	423.68	275.42
State/Central Govt department	524.25	403.77
Agriculture	78.98	23.38
Public Street Lighting	93.14	55.55
LT Public Water Works	420.31	32.42
HT Public Water Works	161.58	70.09
LT Industrial Supply	81.47	54.08
HT Industrial Supply	409.38	150.34
HT PIU	59.28	0.57
Bulk Supply	129.17	48.95
Electric Vehicle (EV) Charging Station	6.45	1.17

Traction	34.58	0.61
Total	3095.16	2252.46

- 4.89** However, it is important to note that 100% collection efficiency is an ideal condition. In reality, the collection efficiency is lower than 100%. The Petitioners (JPDCL & KPDCL) have projected that they will be able to achieve collection efficiency of 93% in FY 2024-25. Accordingly, the Petitioners (JPDCL & KPDCL) have projected realistic revenue at 93% collection efficiency for FY 2024-25. The same is as follows:

Table 49 Forecast by JPDCL & KPDCL of Estimated revenue at existing tariff at 93% collection efficiency (Rs. in crores)

Consumer category	JPDCL	KPDCL
Domestic	625.80	1056.57
Non-Domestic/Commercial	394.02	256.14
State/Central Govt department	487.55	375.51
Agriculture	73.45	21.75
Public Street Lighting	86.62	51.66
LT Public Water Works	390.89	30.15
HT Public Water Works	150.27	65.19
LT Industrial Supply	75.77	50.30
HT Industrial Supply	380.73	139.82
HT PIU	55.13	0.53
Bulk Supply	120.13	45.52
Electric Vehicle (EV) Charging Station	6.00	1.09
Traction	32.16	0.57
Total	2878.50	2094.79

Commission's Analysis

- 4.90** The Commission has noted that existing tariff rates are as per the Retail Supply Tariff Order for FY 2023-24 (JPDCL and KPDCL) issued by the Commission vide Tariff Order No. JERC/13 of 2023 dated 24 November 2023. The Commission has approved the revenue (with existing tariff) for FY 2024-25 from the sale of power based on the number of consumers, connected load and energy sales as approved in this Order and the prevailing tariffs. The Collection efficiency is a controllable parameter and hence the petitioner shall make efforts to increase the same. The inefficiencies on the part of the Petitioners (JPDCL & KPDCL) cannot be passed on to the consumers.



- 4.91** The revenue from the sale of power (for FY 2024-25) as approved by the Commission is summarized in the following table:

Table 50: Approved revenue at existing tariff for FY 2024-25 of JPDCL and KPDCL (Rs. in Crore)

Particulars	JPDCL	KPDCL
Total Revenue	3362.95	2671.55

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

Petitioner's Submission

- 4.92** Based on the estimate of ARR for FY 2024-25 and the estimate of revenue at the existing tariff, the estimate of revenue gap/ (surplus) is as follows:

Table 51 : Estimate of Revenue Gap/ (Surplus) (in Rs. crores) for FY 2024-25 by JPDCL & KPDCL

Particulars	JPDCL	KPDCL
Revised Projected ARR	5,138.16	6,851.43
Estimated Revenue at Existing Tariff @ realistic collection efficiency	2878.50	2094.79
Revenue Gap/ (Surplus)	2,259.66	4,756.64

Commission's Analysis

- 4.93** The Commission has already approved the ARR and revenue with the existing tariff for FY 2024-25. Based on the same, the approved gap is given below.

Table 52: Approved Revenue Gap/ (Surplus) for JPDCL and KPDCL (FY 2024-25) (in Rs. Crore)

Particulars	JPDCL	KPDCL
Approved ARR	3810.29	3600.56
Revenue at Existing Tariff	3362.95	2671.55
Revenue Gap/ (Surplus)	447.34	929.01

■ ■ ■

Chapter 5: Tariff Proposal for FY 2024-25

Regulatory framework

5.1 Regulation 70 of the JERC MYT Regulations 2023 provides the regulatory framework for the determination of retail supply tariffs. 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."

5.2 The Commission vide its Order No. JERC/6 of 2022 dated 13.10.2022 approved full cost tariff and subsidized tariff for FY 2022-23 effective immediately from the date of the Order. This tariff was effective from 13.10.2023 till 30.11.2023.

5.3 The Commission vide its Order No. JERC/ 13 of 2023 dated 24.11.2023 approved subsidized tariff for FY 2023-24 effective from 1.12.2023 onwards.

5.4 Further, 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."

- 5.5** The Petitioner submitted 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 2024-25 only after the budget exercise is completed which normally happens in the month of February. Therefore, in the absence of the quantum of subsidy/ grant in aid, the Petitioners (JPDCL & KPDCL) had worked out a Full Cost Tariff for FY 2024-25. The Petitioners (JPDCL & KPDCL) requested the Commission to factor in the subsidy/ grant-in-aid support as and when the same is announced by the UT Government to approve the subsidized tariff.

Proposal for Retail Supply Tariff for FY 2024-25

Petitioner's submission

- 5.6 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 Commission in its Order No. JERC/ 13 of 2023 dated 24.11.2023.
- 5.7 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 2024-25:

- 5.8 The Commission directed the Petitioners (JPDCL & KPDCL) 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."

- 5.9 Further, 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 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."*

- 5.10** In line with the above principles the Petitioners (JPDCL & KPDCL) have proposed a Full Cost Tariff wherein the tariff for the metered consumers is in two parts viz. demand charges and energy charges.
- 5.11** For the metered consumer categories, the Petitioner has worked out a 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 a two-part tariff (except for 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.
- 5.12** 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 Commission vide its Order No. . JERC/ 13 of 2023 dated 30 November 2023.
- 5.13** Further, the tariff notified by the 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. the mix of consumer category-wise sanctioned load, No. of consumers and the 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.
- 5.14** The ACoS so determined is divided into two parts (i) fixed part of the ACoS that covers the capacity charges and other charges of the 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.
- 5.15** The above exercise is undertaken to compare:
- a) the fixed part of the ACoS with the ABR derived from demand charges which are of fixed in nature and

- b) variable part of the ACoS with the ABR derived from energy charges which are of variable in nature.

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

5.17 The following table provides the consolidated ACoS of JPDCL and KPDCL for FY 2024-25.

Table 53 Average Cost of Supply for UT of J&K in FY 2024-25, proposed by Discoms

Average Cost of Supply	FY 2024-25				
	JPDCL	KPDCL	JPDCL+KPDCL	ACoS (Rs./ kWh)	%
Total units billed/ sales (in MU)	5869.28	5832.89	11702.17		
Fixed component of ARR (Rs. Cr.)	2450.28	3177.35	5627.63	4.81	46.94%
Variable component of ARR (Rs. Cr.)	2687.88	3674.08	6361.97	5.44	53.06%
Total ARR (Rs. Cr.)	5138.16	6851.43	11989.59	10.25	100.00%

5.18 Thus, the Full Cost Tariff shall achieve an overall ABR equal to ACoS of Rs. 10.25/ kWh. It may be noted that at the consolidated level, the ACoS comprises Rs. 4.81/ 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. 5.44/ 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 46.94% of the consolidated ARR from fixed charges/ demand charges and 53.06% of the consolidated ARR from energy charges.

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

Table 54 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	0.0009	3.7140	3.71	0.02%	99.98%
Non-Domestic/Commercial - Metered	0.0100	5.6029	5.61	0.18%	99.82%
State/Central Govt department	0.0030	7.9000	7.90	0.04%	99.96%
Agriculture	0.0017	7.9704	7.97	0.02%	99.98%
Public Street Lighting	0.0005	8.2975	8.30	0.01%	99.99%
LT Public Water Works	0.0009	8.6000	8.60	0.01%	99.99%
HT Public Water Works	0.0118	8.0658	8.08	0.15%	99.85%
LT Industrial Supply	0.0157	4.2000	4.22	0.37%	99.63%
HT Industrial Supply	0.0146	4.0505	4.07	0.36%	99.64%
HT PIU	0.0163	4.9528	4.97	0.33%	99.67%



JPDCL & KPDCL ARR and Tariff for FY 2024-25

Bulk Supply	0.0257	5.5843	5.61	0.46%	99.54%
Electric Vehicle (EV) Charging Station	0.0000	6.8445	6.84	0.00%	100.00%
Traction	0.0056	5.4000	5.41	0.10%	99.90%

5.20 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 Charges. 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 categories 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 2024-25

5.21 As detailed in the above sub-section, the Petitioner has strived to follow the principles as laid by the Commission in JERC MYT Regulations 2023. Accordingly, the Petitioner has worked out the Full Cost Tariff schedule for FY 2024-25. 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 scheduled to arrive at the Subsidized Tariff.

5.22 The table below provides the proposed Full Cost Tariff Schedule for FY 2024-25:

Table 55 Full Cost tariff for FY 2024-25

Particulars	Unit	Full Cost Tariff for FY 2024-25
Domestic		
Below Poverty Line (Consumption up to 50 units/ month)		
Energy Charges	Rs./ kWh	5.00
Fixed Charges	Rs./ kW or part thereof/ month	30.00
Metered		
Up to 200 units per month	Rs./ kWh	8.85
201-400 units per month	Rs./ kWh	9.50
>400 units per month	Rs./ kWh	10.45
Fixed Charges	Rs./kW or part thereof/ month	90.00
Un Metered		
up to 1/4 kW	Rs./ month	380.00

JPDCL & KPDCL ARR and Tariff for FY 2024-25

Particulars	Unit	Full Cost Tariff for FY 2024-25
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	9.00
201-500 units/month	Rs./ kWh	10.00
>500 units per month	Rs./ kWh	10.25
Three phase - For all units	Rs./ kVAh	10.50
Fixed Charges		
Single Phase	Rs./kW/month	120.00
Three phases	Rs./ kVA/ month	650.00
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	10.25
11 kV supply*	Rs./ kVAh	10.25
33 kV supply and above**	Rs./ kVAh	10.00
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	9.50
11-20 HP	Rs./ kWh	10.00
Above 20 HP	Rs./ kWh	10.25
Fixed Charges for connected load		
0-10 HP	Rs./ HP/ month	25.0

Particulars	Unit	Full Cost Tariff for FY 2024-25
11-20 HP	Rs./ HP/ month	30.0
Above 20 HP	Rs./ HP/ month	55.0
Un Metered		
0-10 HP	Rs./ HP/ month	425.00
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	10.80
Fixed Charge	Rs./kW	300.00
Unmetered connection	Rs./ kW/ month or part thereof	4550.00
LT Public water works		
Energy Charge	Rs./ kWh	10.30
Fixed Charge	Rs./kW/month	75.00
HT Public water works		
11 KV supply		
Energy Charge	Rs./ kVAh	10.25
Demand Charge	Rs./ kVA/ month	650.00
33 KV supply and above		
Energy Charge	Rs./ kVAh	10.20
Demand Charge	Rs./kVA/month	550.00
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	250.00
For consumers with connected load > 50 kW		
Energy Charge	Rs./ kVAh	9.50
Fixed Charge	Rs./ kVA/ month	400.00
LTIS II (For all metered consumers and having load above 15 HP)		
Energy Charge	Rs./ kVAh	8.50
Fixed Charge	Rs./ kVA/ month	200.00
HT Industrial supply		
11 KV supply		
Energy Charge	Rs./ kVAh	10.25
Demand Charge	Rs./ kVA/ month	400.00
33 KV and above supply for Industry		
Energy Charge	Rs./ kVAh	10.00
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	10.00
Demand Charge	Rs./ kVA/ month	250.00

Particulars	Unit	Full Cost Tariff for FY 2024-25
33 KV supply and above. (ToD tariff)		
Energy Charge	Rs./ kVAh	9.00
Demand Charge	Rs./ kVA/ month	250.00
TOD Tariff: Surcharge/ rebate: 10%		
Bulk supply		
11 KV supply		
Energy Charge	Rs./ kVAh	10.00
Demand Charge	Rs./ kVA/ month	250.00
33 KV supply and above		
Energy Charge	Rs./ kVAh	9.00
Demand Charge	Rs./ kVA/ month	250.00
TOD Tariff for 33 kV and above: Surcharge/ rebate: 10%		
Electric Vehicle Charging Station		
LT Supply		
Energy Charge	Rs./ kVAh	10.50
Demand Charge	Rs./ kVA/ month	0.00
11 KV supply		
Energy Charge	Rs./ kVAh	10.30
Demand Charge	Rs./ kVA/ month	0.00
33 kV Supply		
Energy Charge	Rs./ kVAh	10.20
Demand Charge	Rs./ kVA/ month	0.00
TOD Tariff: Surcharge/ rebate: 10%		
Traction		
11 kV/ 33 kV and above supply		
Energy Charge	Rs./ kVAh	9.00
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 Commission to approve the proposed tariff

5.23 The above Full Cost Tariff achieves consolidated ABR equal to the ACoS (achieving the full cost tariff) and also maintains the cross-subsidies within $\pm 20\%$ 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 56 Consolidated ABR based on Full Cost Tariff and level of cross subsidy

Categories	Consolidated ABR (JPDCL+KPDCL) based on Full Cost Tariff (Rs./ kWh)	ABR as % of ACoS (Level of cross subsidy)
Domestic – Metered	9.83	95.91%
Non Domestic/Commercial - Metered	10.71	104.58%
State/Central Govt department	10.20	99.60%
Agriculture – Metered	9.88	96.41%

Categories	Consolidated ABR (JPDCL+KPDCL) based on Full Cost Tariff (Rs./ kWh)	ABR as % of ACoS (Level of cross subsidy)
Public Street Lighting	10.45	101.95%
LT Public Water Works	10.31	100.65%
HT Public Water Works	11.15	108.79%
LT Industrial Supply	10.32	100.71%
HT Industrial Supply	10.42	101.68%
HT PIU	10.69	104.31%
Bulk Supply	10.31	100.65%
Electric Vehicle (EV) Charging Station	10.26	100.12%
Traction	10.46	102.12%
Total	10.25	100.04%

Commission's Analysis

- 5.24** The Commission notes that the Petitioners (JPDCL & KPDCL) had not proposed any change in the number of tariff categories, slabs, rebate/ surcharge, applicability, and character of services as against the same notified by the Commission in its Order No. JERC/ 13 of 2023 dated 24.11.2023. Further, the Petitioners (JPDCL & KPDCL) submitted the Full Cost tariff, without factoring the Govt subsidy. However, in its 'Prayer' section, the Petitioners (JPDCL & KPDCL) requested the Commission to issue a subsidized tariff schedule. These two statements of the Petitioners (JPDCL & KPDCL) within the same petition are contradictory to each other. The Petitioners (JPDCL & KPDCL) have not provided any clarity on the subsidy part.
- 5.25** During TVS, the Commission enquired about the grant-in support available from the Government. The Petitioners (JPDCL & KPDCL) were advised to approach the Government and submit the details about grant-in-aid support/subsidy available from the Government. No response was received from the Petitioners (JPDCL & KPDCL) on this. The Commission had issued several reminders in this regard, but no response was received from the Petitioners (JPDCL & KPDCL).
- 5.26** After continuous follow-up, the Commission received a letter from JPDCL & KPDCL (MD/JPDCL/TS/4679-82 dated 06-03-2025 & MD/KPDCL/TS / 5631-35 dated 06.03.2025) stating the Government will provide the subsidy to maintain the existing tariff. The declaration was based on the letter (PDD-ACC/29/2023-04 (7187239) dated 05.03.2024 from the Director of Finance, JKPDD addressed to MD JPDCL and MD KPDCL. The main content of the letter issued by the Director of Finance JKPDD is given below:

"No: PDD-ACC/29/2023-04 (7187239)

Dated:-05.03.2025

Subject: - Draft tariff petition for 2024-25 - subsidy component thereof.

Sir,

I am directed to request you to communicate to the JERC as under:-"The Government will provide the subsidy to maintain the existing tariff."

The difference between the ARR and cost of supply would be borne by the Government except for Power Intensive Unit (PIU) industries, in respect of which no subsidy will be provided".

- 5.27** It is amply clear from the above letter now that the Government decided to bridge the revenue gap between the ARR for FY 2024-25 and revenue received from consumers with the levy of existing tariff (FY 2023-24) by providing the grant-in-aid to the petitioner and intend to maintain the existing Tariff (FY 2023-24) without any change except that of Power Intensive industries.
- 5.28** The Commission has noted the content of the letter and the Government decision with regard to the provision of the grant-in-support/subsidy so as to maintain the existing tariff as it is except for that of power-intensive industries. The Commission felt that the communication which was expected during February / March 2024 has been substantially delayed since DISCOM has not taken timely action on the Commission's directive. The lack of interest and casual approach of DISCOM resulted in the delay in notification of the Retail supply tariff order for JPDCL and KPDCL for FY 2024-25. In the meantime, the Distribution licensees in the UT of J&K billed their consumers including the Power-intensive industries with the tariff approved by the Commission for FY 2023-24. The Commission felt that this situation would have been avoided if the Petitioners (JPDCL & KPDCL) in consultation with the UT Government could have submitted the grant-in-aid /subsidy-related information at the beginning of FY 2024-25 so that a timely tariff order could be issued.
- 5.29** The Commission is responsible for timely determination of tariff as per mandate vested under the Electricity Act 2003 and subsequent policy and regulations framed under the provisions of the Act. The Commission therefore feel appropriate to notify the tariff order for FY 2024-25 based on the clarification submitted by the J&K government vide aforementioned letter dated 05.03.2024.
- 5.30** The Commission feels that no hike to tariff charged to power intensive industries (HT PIU) can be considered without giving the concerned stakeholders to present their point view in the matter. Since consultation at this point of time is not possible at the fag end of the current financial year, the Commission decides to keep the rates applicable to this category also unchanged.
- 5.31** The Commission decides to continue with the existing tariff approved by the Commission as per the FY 2023-24 Tariff order for JPDCL & KPDCL (Order No JERC /13 of 2023 dated 24.11.2023), without any change. The Commission shall address any specific submission regarding the change in tariff/category wise tariff during the tariff proceedings of FY 2025-26.
- 5.32** After applying the prudent check, scrutiny of the ARR components & considering the normative distribution loss reduction trajectory approved by MoP under the RDSS scheme, the Commission has approved the ARR for FY 2024-25 for JPDCL and KPDCL.



- 5.33** In view of the above, the Commission decides that the subsidized tariff applicable for FY 2023-24 as notified by the Commission vide order No JERC /13 of 2023 dated 24.11.2023 will be continued for FY 2024-25, without any change.

Wheeling Charges and Cross Subsidy Surcharge (CSS)

- 5.34** 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."

- 5.35** 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."

- 5.36** As there is no relevance to the determination of wheeling charges and cross-subsidy surcharge, the same is not discussed further.

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Chapter 6: Tariff Design

- 6.1. In determining the ARR and the retail supply tariff of JPDCL and KPDCL for FY 2024-25, the Commission has been guided by the provisions of the EA 2003, National Electricity Policy (NEP), Tariff Policy, and the adopted JERC MYT Regulations, 2018.
- 6.2. Section 61 of the EA 2003 lays down the broad principles and guidelines for the determination of retail supply tariffs. The basic principle is to ensure that tariffs should progressively reflect the cost of the supply of electricity and gradually reduce the cross-subsidies between categories. The EA 2003 lays down special emphasis on safeguarding consumers' interests and also requires that the costs should be recovered in a reasonable manner. The EA 2003 mandates that tariff determination should be guided by factors which encourage competition, efficiency, economical uses of resources, good performance and optimum investment.
- 6.3. The EA 2003 provides that while determining the tariff, the Commission shall not show undue preference to any consumer of electricity but may differentiate according to the consumer's 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.
- 6.4. The tariff policy mentions that for achieving the objective that the tariff progressively reflects the cost of supply of electricity, the Appropriate Commission would notify a roadmap such that tariffs are brought within $\pm 20\%$ of the average cost of supply.
- 6.5. Further, MoP, GoI has issued Electricity (Second Amendment) Rules, 2023, dated 26.07.2023, which discussed the framework for the financial sustainability of utilities. The Commission has considered the framework while finalising the ARR of Petitioners (JPDCL & KPDCL). The relevant part is reproduced below:

"20. Framework for Financial Sustainability: (1) The Aggregate Technical and Commercial loss reduction trajectory to be approved by the State Commissions for tariff determination shall be in accordance with the trajectory agreed by the respective State Governments and approved by the Central Government under any national scheme or programme, or otherwise.

(2) The trajectory for both collection and billing efficiency, for distribution licensee shall be determined by the State Commission in accordance with the trajectory approved under sub-rule (1).

(3) All the prudent costs of power procurement, incurred by distribution licensee for ensuring 24x7 supply of electricity to consumers under the Electricity (Rights of Consumers) Rules, 2020 and for meeting requirements as per Resource Adequacy plan prepared under the Electricity (Amendment) Rules 2022 shall be taken into account, provided that the procurement of power has been done in a transparent manner or procurement price has been approved by the Appropriate Commission.



(4) All the prudent costs incurred by the distribution licensee for creating the assets for development and maintenance of distribution system in accordance with sub-section (1) of section 42 of the Act shall be pass through:

Provided that such pass-through of the cost for the assets created by the distribution licensee shall be subject to following conditions:

(i) the asset has been created in accordance with the capex roll out plan for the licensee approved by the respective State Commission.

(ii) the asset has been procured in competitive and transparent manner.

(iii) the asset is geo-tagged and properly recorded in Fixed Asset Register.

(5) Gains or losses accrued to distribution licensee due to deviation from approved Aggregate Technical and Commercial loss reduction trajectory shall be quantified on the basis of Average Power Purchase Cost and shared between the distribution licensee and consumers. Two third of the gains shall be passed on to the consumers in tariff and rest shall be retained by the distribution licensee. Two third of the losses shall be borne by the distribution licensee and rest shall be borne by the consumers.

(6) The operation and maintenance norms for distribution licensee shall be determined by the State Commissions in accordance with the guidelines issued by the Authority.

(7) Reasonable Return on Equity shall be permitted, with the assessment of overall risk and the prevalent cost of capital.

(8) The Return on Equity by the State Commission shall be aligned with the Return on Equity specified by the Central Commission for generation and transmission in its Tariff Regulations for the relevant period, with appropriate modification taking into account the risks involved in distribution business."

6.6. The Commission noted that Electricity (Second Amendment) Rules 2023 dated 26.07.2023 recommends that the Aggregate Technical and Commercial loss reduction trajectory to be approved by the State Commissions for tariff determination shall be in accordance with the trajectory agreed by the respective State Governments and approved by the Central Government under any national scheme or programme.

6.7. The Commission has considered the interests of industrial and commercial consumers and also maintained a balance between all categories of consumers.

Green tariff

6.8. The Commission has noticed that MoP, GoI, in exercise of the powers conferred by sub-section (1) read with clause (z) of sub-section (2) of section 176 of the Electricity Act, 2003, has published Electricity (Promoting Renewable Energy Through Green Energy Open Access) Rules, 2022. Under the said rules, any entity, whether obligated or not may elect to generate, purchase and consume renewable energy as per their requirements by one or more methods including by requisition from the distribution licensee. The relevant extract from the said rule is given below:

"(C) By requisition from distribution licensee—(a) Any entity may elect to purchase green energy either upto a certain percentage of the consumption or its entire consumption and they may place a requisition for this with their distribution licensee, which shall

procure such quantity of green energy and supply it and the consumer shall have the flexibility to give separate requisition for solar and non-solar;

(b) The consumer may purchase on a voluntary basis, more renewable energy, than he is obligated to do and for ease of implementation, this may be in steps of Twenty five per cent and going upto Hundred per cent;

(c) The tariff for the green energy shall be determined separately by the Appropriate Commission, which shall comprise of the average pooled power purchase cost of the renewable energy, cross-subsidy charges if any, and service charges covering the prudent cost of the distribution licensee for providing the green energy;

(d) Any requisition for green energy from a distribution licensee shall be for a minimum period of one year;

(e) The quantum of green energy shall be pre-specified for at least one year;

(f) The green energy purchased from distribution licensee or from Renewable Energy sources other than distribution licensee in excess of Renewable Purchase Obligation of obligated entity shall be counted towards Renewable Purchase Obligation compliance of the distribution licensee;

(g) The Accounting of renewable energy supplied at distribution licensee level shall be on a monthly basis;"

6.9. The Commission observes that the Government of India has taken various initiatives to promote renewable energy and the target for renewable energy-based projects was mentioned under India's nationally determined contribution (NDC). The target is: "To achieve about 50 per cent cumulative electric power installed capacity from non-fossil fuel-based energy resources by 2030, with the help of the transfer of technology and low-cost international finance including from Green Climate Fund (GCF)".

6.10. Further, the corporate groups are keen to achieve the net-zero or zero-carbon goal. This is increasing demand for renewable electricity and creating a shift in demand patterns away from fossil fuels. The green tariff can help consumers in this regard.

6.11. As mentioned above, the above-referred rules mandate the Electricity Regulatory Commissions to determine the Green Power Tariff. It is observed that the concept of Green Tariff has been introduced in some States, like Andhra Pradesh, Karnataka, Madhya Pradesh, Maharashtra and Gujarat to encourage consumers to use green power, to be supplied by Distribution Utilities. Further, in accordance with Section 86(1)(e) of the Electricity Act, 2003, the Commission is mandated to promote renewable energy (RE). The Commission observes that the concept of Green tariff is new in UT of J&K and the Renewable Energy development is in a nascent stage compared to other states. Considering this the Commission decides to approve the green tariff as Rs 0.50/kWh, which will be paid by the interested consumers over and above the tariff rates applicable for their respective category. The following conditions shall be followed in this regard.

- ✓ All consumers (High Voltage and Low Voltage) shall be eligible for opting the Green power on payment of Green Power Tariff, which will be in addition to energy charges.
- ✓ Revenue earned through Green Power Tariff shall be treated as tariff income of Distribution Licenses and shall be part of revenue income from the tariff. However, the quantum of such revenue shall be provided by Distribution Licenses, if required.
- ✓ The Consumer will have option to select the quantum of green power to be purchased in steps of 25% and going up to 100% of the consumption.

- ✓ The Distribution Licensee will levy Green Power Tariff only for the percentage of consumption opted by the Consumer.
- ✓ Any requisition for green energy from a distribution licensee shall be for a minimum period of one year.
- ✓ Distribution Licensee shall process the request of Consumer for Green Power Tariff not later than 30 days from the receipt of the request.
- ✓ The Distribution Licensee shall ensure wide publicity of this scheme.

6.12. The Commission directs the Petitioners (JPDCL & KPDCL) to submit the result of this scheme in the next tariff Petition.

Operationalizing the Fuel and Power Purchase Cost Adjustment (FPPCA)

6.13. The Commission has noted that in the exercise of the powers conferred by section 176 of the Electricity Act, 2003 (36 of 2003), MoP, GoI published the Electricity (Amendment) Rules, 2022, to amend the Electricity Rules, 2005. Rule 14, which deals with Fuel and Power Purchase Adjustment Surcharge, is important to refer to, which is given below.

"14. Timely recovery of power purchase costs by distribution licensee.-The Appropriate Commission shall within ninety days of publication of these rules, specify a price adjustment formula for recovery of the costs, arising on account of the variation in the price of fuel, or power purchase costs and the impact in the cost due to such variation shall be automatically passed through in the consumer tariff, on a monthly basis, using this formula and such monthly automatic adjustment shall be trued up on annual basis by the Appropriate Commission:

Provided that till such a methodology and formula is specified by the Appropriate Commission, the methodology and formula specified in the Schedule – II annexed to these rules shall be applicable:

Provided further that the existing methodology and the formula specified by the Appropriate Commission shall suitably be amended in accordance with these rules, to implement the automatic pass through of fuel and power purchase adjustment surcharge, on a monthly basis:

Provided also that in case the distribution licensee fails to compute and charge fuel and power purchase adjustment surcharge within the time line, specified by the Appropriate Commission, except in case of any force majeure condition, its right for recovery of costs on account of fuel and power purchase adjustment surcharge shall be forfeited and in such cases, the right to recovery the fuel and power purchase adjustment surcharge determined during true-up shall also be forfeited and the true up of fuel and power purchase adjustment surcharge by the Appropriate Commission, for any financial Year, shall be completed by 30th June of the next financial year."

6.14. The Commission has already formulated the Joint Electricity Regulatory Commission for the UT of Jammu & Kashmir and the UT of Ladakh (Generation, Transmission and Distribution, Multi Year Tariff), Regulations, 2023, where the necessary formula and terms and conditions are mentioned. The formula is based on Schedule – II annexed to the Electricity (amendment) Rules, 2022. As the said regulations are already published in the Gazette, the same will be applicable to the distribution licensees operating in UT and their power procurer JKPCL. UT. Hence, the Distribution Licensees and JKPCL should note the same and act accordingly to implement the Fuel and Power Purchase Cost Adjustment formula in true spirit.

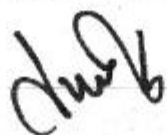
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Chapter 7: Directives

The Commission, based on its analysis of the Petitions and the previous directives given by the Commission in its tariff order for FY 2023-24, compliance with directives submitted by the Petitioners (JPDCL & KPDCL), directs the Petitioners (JPDCL & KPDCL) to comply with the following directives. This section discusses the Petitioners' (JPDCL & KPDCL) submission on compliance with the directives of the Commission vide Order dated 24.11.2023 and the Commission's observation on the same.

Sr. No.	Commission's Directive	Compliance to the Directive	Commission's View
1.	TIMELY FILING OF TARIFF PETITIONS The Commission notes that even after so much follow up from Commission side, the Licensees are not serious enough to file the same in time and requested to extend the submission time. The Commission directs the Licensees to adhere to the timelines of Regulatory filings as stipulated in the relevant regulations and should not request for time extension. The Commission directs the Petitioner to file the Petitions on time, in future. If the Petitioner fails to do so, the Commission shall be forced to initiate Suo-motu proceedings for determination of tariff.	The Petitioner submits that it has noted Commission's Directions and has strived to submit the Petition on priority basis.	The Commission decides to continue with the directive and directs the Petitioners (JPDCL & KPDCL) to maintain the time line.
2.	SUBMISSION OF AUDITED ACCOUNTS AND TRUE UP PETITION The Commission has noted the submission the regarding status of of annual audit of account. The Petitioners (JPDCL & KPDCL) shall	The Petitioner submits that, its Accounts for FY 2019-20 are audited by the Internal Auditor appointed by CAG. It is awaiting observations/ remarks by CAG. Further, Accounts of FY 2020-21 are being audited by the internal auditor	The Commission has issued true-up order of past period. The directives given in true-up order should be followed by the Petitioners (JPDCL & KPDCL) while submitting the true-up Petition.

Sr. No.	Commission's Directive	Compliance to the Directive	Commission's View
	work proactively and complete the process in time.	appointed by CAG. Further, the annual accounts of JKPC (for power purchase expenses) for FY 2019-20 are being audited by the internal auditor appointed by CAG. As soon as the Annual Accounts of the Petitioner and JKPC are adopted by the Board of Directors of Petitioner and of JKPC respectively, the Petitioner would submit the same along with Truing Up Petition.	
3.	ACTION PLAN FOR METERING THE UNMETERED CONSUMERS The Commission has noted the plan of Petitioners (JPDCL & KPDCL) under RDSS scheme of metering of un-metered consumers. The progress with respect to target under RDSS scheme shall be submitted in next tariff Petition.	The Petitioner has submitted the progress of prepaid smart metering in the Petition.	The progress is noted. The Petitioner should update the Commission about the progress in next tariff Petition.
4.	CAPITAL INVESTMENT AND CAPITALIZATION PLAN ALONG WITH DETAILS OF SOURCE OF FUNDING The Petitioners (JPDCL & KPDCL) submitted the capitalization plan. However, the Petitioners (JPDCL & KPDCL) ignore the important point mentioned by the Commission regarding quarterly monitoring. The same is reiterate below: The Petitioners (JPDCL & KPDCL) should apropos the Commission about the progress in this regard.	The Petitioner has included the information of physical and financial progress of the various capital expenditure schemes undertaken by it in Q1 and Q 2 of FY 2023-24 in Form F 4.1, F 4.2 and F 4.3 of its Petition. Further, the Petitioner has noted the directions of the Commission and it shall submit the Monthly Progress Report (MPR) at the end of each quarter to comply with these directions.	The directives is continued for review of progress of work.





Sr. No.	Commission's Directive	Compliance to the Directive	Commission's View
	For better monitoring of the capital investment plan drawn by the Petitioner, the Commission directs the Petitioner to submit the details of the physical and financial milestones/ targets along with progress achieved vis-a-vis the action plan on strengthening of distribution infrastructure and reducing the AT&C losses, on a quarterly basis.		
5.	ENERGY ACCOUNTING AND DETERMINATION OF LOSS The Commission observes that the instead of providing required data, the Petitioners (JPDCL & KPDCL) have mentioned the website address only where only data is available. The directive was issued to evaluate the performance of the sub divisions. If the required data is available with the Petitioners (JPDCL & KPDCL), then they should produce a comprehensive analysis report. This type of approach is not acceptable and can be considered by the Commission under Section 142: Punishment for non-compliance of directions by Appropriate Commission. They shall refrain to make sum	The Petitioner regrets the inconvenience caused. The Petitioners (JPDCL & KPDCL) submitted the Quarter-wise Energy Accounts report.	The Petitioners (JPDCL & KPDCL) should continue to submit the report and act on the recommendations made in those reports.

Sr. No.	Commission's Directive	Compliance to the Directive	Commission's View
	reply. The required reports shall be produced in next tariff Petitions.		
6.	POWER PROCUREMENT The Commission directs JKPCCL to submit the details regarding fixed cost being paid to generators, who are not getting schedule continuously due to higher variable charges and power procurement under short term purchase for FY 2021-22 and FY 2022-23 Within 31.12.2023.	The Petitioner submits that it has conveyed the Commission's directive to JKPCCL and is continuously following up with JKPCCL for the information. The Petitioner shall submit the requisite information as soon as it receives the same from JKPCCL.	The directive is continued.
7.	ONLINE BILLING AND E - PAYMENTS AGAINST BILLS The status report under Unified Billing System shall be submitted along with next tariff Petition.	JPDCL shall submit the information in due course of time. Status Report on Unified Billing System implementation submitted by KPDCL	The directive is continued.
8.	TOD TARIFF The Petitioner shall submit the load curve study in its next Petition only. No further delay shall be entertained.	The Petitioner shall submit the information in due course of time.	The directive is continued.
9.	kVAh TARIFF The Petitioner shall submit the required study report in its next Petition only. No further delay shall be entertained.	The Petitioner shall submit the information in due course of time.	The directive is continued.
10.	RECOVERY OF ARREARS JPDCL and KPDCL shall Scheme provide consumer category wise arrears (as on 31.3.2021, 31.3.2022 and 31.3.2023) in the next tariff Petitions.	Only KPDCL has submitted the information.	The directive is continued.
11.	SECURITY DEPOSIT The Petitioners (JPDCL & KPDCL) shall submit	The Petitioner shall submit the information in due course of time.	The directive is continued.



Sr. No.	Commission's Directive	Compliance to the Directive	Commission's View
	the details at the earliest.		
12.	Fixed charges of various Category 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.	The Petitioner submitted that it has discussed this issue in the Petition and has accordingly suggested the Full Cost Tariff.	The Commission will review this in next tariff order.

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Chapter 8: Tariff Schedule for FY 2024-25 (Subsidized tariff)

Schedule 1: Domestic Supply

Applicability

- 8.1.** The Commission has fixed the applicability of the domestic tariff for supplies pertaining to domestic premises, religious institutions, group housing societies, orphanages, old-age and infirm homes, charitable institutions providing services free of cost or on nominal charges, post offices at residences of villagers and residential premises of architects, engineers, advocates, doctors, teachers, artists, weavers, stitching and embroidery workers occupying not more than 20% of built-up area for respective professional purposes. This tariff category is applicable to electricity used for operating various appliances such as lighting, heating, cooling, cooking, washing/cleaning, entertainment/leisure, water pumping, etc.
- 8.2.** In addition, a separate Below Poverty Line (BPL) consumer category has been created to provide relief to socio-economic backward consumers for consumption of up to 30 units/month. It should be noted that only those consumers who submit a BPL certificate from a competent authority of the State Government will be included in the BPL category. In case consumption within this category exceeds 30 units/month, the consumption over and above it would be charged as per the applicable rates for the domestic (metered) category in accordance with the relevant consumption slab.

Character of Services

- (a) Alternating current (A.C.) 50 Hz, 230 volts, for single-phase up to and including a load of 5 kW.
- (b) A.C, 50 Hz, three-phase, 400 volts for load above 5 kW up to 100 kW (110kVA).

Rate of Charge

Approved Tariff for Domestic Supply

Description	Approved Tariff for FY 2024-25
Below Poverty Line (Consumption up to 30 units/month)	
Energy charges (Rs./kWh)	1.40
Fixed Charges (Rs./kW/month)	5.00
Metered Consumers	
Energy Charges for Metered Connection (Rs./kWh)	
Up to 200 units/month	2.30
201 - 400 units/month	4.00
> 400 units/month	4.35
Fixed Charges for contracted load (Rs./kW/month)	
Load (in kW) to be rounded off to the next 1/2 kW (0.5 kW) for the	

Description	Approved Tariff for FY 2024-25
purpose of application of Fixed Charges.	
For all units	8.00
Unmetered Consumers	
Flat Rate (Rs./month)	
Up to 1/4 kW	227.00
Above 1/4 kW up to 1/2 kW	520
Above 1/2 kW up to 3/4 kW	780
Above 3/4 kW up to 1 kW	1040
Above 1 kW up to 2 kW	Rs.1040 + Rs.260 for every additional 1/4 kW or part thereof up to 2 kW
Above 2 kW	Rs.2080 + Rs.650 for every additional 1/4 kW or part thereof above 2 kW

Illustration for Computation of Electricity Charges:

a) **Metered Connection:** Assuming a connected load of 3.0 kW and monthly power consumption of 600 kWh

Description	Electricity Rate (Rs./kWh)	No. of units (kWh)	Total Charge (Rs.)
Energy Charges for Metered Connection			
(i) upto 200 units /month	2.30	100	230
(ii) 201 - 400 units /month	4.00	200	800
(iii) > 400 units /month	4.35	200	870
A TOTAL ENERGY CHARGES		500	1900
Fixed Charges for Contracted Load	(Rs./kW)	Load(kW)	Total Charge(Rs.)
For all units	8.00	3.0	24
B TOTAL FIXED CHARGES		3.0	24
C TOTAL CHARGES IN Rs. (A + B)			1948*

*Note: This excludes any other cess levied by the State Government

b) **Unmetered Connection:** Assuming a connected load of 3.0 kW

Description	Electricity Rate(Rs./month)	Total Charge (Rs.)
Flat Rate Tariff		
Above 2 KW	Rs.2080 + Rs.650 for every additional 1/4 kW or part thereof above 2 kW	2080+(650*4) =4680
TOTAL CHARGES IN Rs.		4680*

*Note: This excludes any other cess levied by the State Government

8.3. Group housing societies can avail of single-point power supply. The energy bill of a housing society shall be divided by the number of houses in it to determine the consumption of each house.

- 8.4.** If there are 10 houses in a society the consumption shall be charged in the following manner: The first 2000 (200 x 10) units would be charged at a tariff of the first 200 units; the next 2000 (200 x 10) units at a tariff of 200-400 units and the remaining units at a tariff of >400 units along with fixed charges for entire load at fixed charges per kW per month.
- 8.5.** Any matter regarding supply to group housing societies should be as per the Regulations laid down in the prevalent Supply Code Regulations.

Schedule 2: Non-Domestic/Commercial Supply

Applicability

- 8.6.** This tariff category shall be applicable to the following: shops, showrooms, business houses, offices, educational/technical institutions, clubs, meeting halls, places of public entertainment, hotels, cinemas, hospitals, dispensaries, clinics, nursing homes, X-ray units, diagnostic centres, pathological labs, fisheries, aqua-culture, sericulture, dairy, hatcheries, printing presses (other than those qualifying to be charged under the LT industrial supply category), milk chilling centres (other than those specifically mentioned under Agricultural Supply), poultry farms, cattle breeding farms, nurseries, plantations, mushroom growing, carpenters and furniture makers, juice centres, hoardings and advertisement services, typing institutes, internet cafes, STD/ISD PCOs, FAX/photocopying shops, tailoring shops, photo studios and colour labs, laundries, cycle shops, compressors for filling air, restaurants, eating establishments, guest houses, marriage gardens, welding transformer and lathe machines for repair works and services, book binders, petrol pumps and service stations, lifts and other appliances in shopping centers and offices, tourist house-boats, and other similar establishments.
- 8.7.** In addition, any connection not covered under other categories shall be billed under this category. However, this would exclude connections pertaining to State/Central Government or Defence services, which have been included in a separate category.

Character of Services

- (a) AC, 50 Hz, 230 volts, single-phase up to and including a load of 5 kW.
- (b) AC, 50 Hz, three-phase, 400 volts supply for load above 5 kW up to 100 kW (110 kVA).

Rate of Charge

Approved Tariff for Non-Domestic/Commercial Supply

Particulars	Approved Tariff for FY 2024-25
Metered Non-Domestic Tariff	
Energy Charges (Rs./kWh)	
Single Phase	
Upto 100 units/month	3.55
101 to 200 units/month	3.55
201 to 500 units/month	5.40
Above 500 units/month	5.85
Three Phase	5.85
For all units (Rs./kVA)	
Fixed Charges/Demand Charges	
Single Phase (Rs./kW/month) Load (in kW) to be rounded off to the next 1/2 kW (0.5 kW) for the purpose of application of Fixed Charges. (Example: 0.25 kW to be charged as 0.5 kW and 1.2 kW to be charged as 1.5 kW and so on.)	60.00
Three Phase (Rs./kVA/month)	130.00

JPDCL & KPDCL ARR and Tariff for FY 2024-25

Particulars	Approved Tariff for FY 2024-25
Or part thereof on Billing Demand	
Unmetered Non-Domestic Tariff	
Flat Rate Charges (Rs./month)	
Upto 1/4 kW	650
Above 1/4 kW up to 1/2 kW	1300
Above 1/2 kW up to 3/4 kW	1950
Above 3/4 kW up to 1 kW	2600
Above 1 kW and part thereof for every kW above 1 kW	Rs.2600 + Rs.650 for every additional 1/4 kW or part thereof above 1 kW

- 8.8.** For connections with a sanctioned load below 100 kW (110 kVA) supplied and metered on HT, a 5% rebate on energy charges of Non-domestic/Commercial Tariff shall be allowed.
- 8.9.** Any matter regarding supply to Commercial Complexes with single-point delivery/supply should be as per the prevalent Supply Code Regulations.

Schedule 3: State/Central Government Departments

Applicability

- 8.10.** The Commission has fixed the applicability of the State/Central Government department category to all connections including educational/technical institutions, taken by the departments of the State and Central Governments, defence and para-military forces excluding public sector enterprises/undertakings.
- 8.11.** This shall not include connections taken for agricultural purposes, water pumping and street lighting by the Central/State Government Departments for which tariffs provided in the appropriate tariff schedules shall apply.

Character of Services

- (a) AC, 50 Hz, 230 volts; single-phase up to and including a load of 5 kW.
- (b) AC, 50 Hz, three-phase; 400 volts supply for sanctioned load above 5 kW up to 100 kW (110 kVA).
- (c) AC, 50 Hz, three-phase; 11 kV supply for sanctioned load above 100 kW(110 kVA) up to 1 MVA.
- (d) AC, 50 Hz, three-phase; 33 kV and above supply for sanctioned load above 1 MVA.

Rate of Charge

Approved Tariff for State/Central Government Departments

Particulars	Approved Tariff for FY 2024-25
Energy Charges (Rs./kVAh)	7.90
11 kV Supply	2.5% rebate on energy charges
33 kV and above Supply	5.0% rebate on energy charges
Fixed Charges (Rs./kVA/month) Or part thereof on Billing Demand	
For metered consumers	40.00

Schedule 4: Agricultural Supply**Applicability**

- 8.12.** The Commission has fixed applicability of the agricultural tariff to agricultural loads and lift irrigation connections including threshers. This tariff is also applicable to State Govt. lift irrigation and pumping loads. It is also applicable to Goshala or Tabela, which involve milk collection only and is not associated with industrial/commercial activity of milk processing or dairy/chilling plants, which are separately covered under Non-domestic/Commercial tariffs.

Character of Services

- (a) AC, 50 Hz, 230 volts, single-phase up to a load of 5 kW (6.70 HP).
- (b) AC, 50 Hz, three-phase, 400 volts supply for sanctioned load up to 100 kW(134 HP).
- (c) AC, 50 Hz, three-phase, 11kV supply for sanctioned load above 100 kW(134 HP) up to 1 MVA.
- (d) AC, 50 Hz, three-phase, 33/66kV supply for sanctioned load above 1 MVA.

Rate of Charge**Approved Tariff for Agriculture Supply**

Particulars	Approved Tariff for FY 2024-25
Metered Tariff	
Energy Charges (Rs./kWh) *	
0 to 10 HP	0.90
11 to 20 HP	1.15
Above 20 HP	6.00
Fixed Charges for connected load (Rs./HP/month)**	
0 - 10 HP	20.00
11 to 20 HP	25.00
Above 20 HP	45.00
Flat Rate Unmetered connections for connected load (Rs./HP/month)**	
0 to 10 HP	325
11 to 20 HP	357
Above 20 HP	1950
* 2.5% & 5% rebate on Energy Charges for connection at 11 kV and 33 kV and above respectively.	
**to be rounded off to the next 1/2 HP (0.5 HP) for the purpose of application of Fixed Charges.	

Schedule 5: Public Street Lighting

Applicability

8.13. The tariffs for this category will be applicable to public street lighting established and maintained by Corporations, Municipalities, Town Area/Notified Area Committees, other local bodies and agencies authorized by the State Government to establish and maintain public street lighting.

Character of Services

- (a) AC, 50 Hz, 230 volts, single-phase up to and including a load of 5 kW.
- (b) AC, 50 Hz, three-phase, 400 volts supply for load above 5 kW.

Rate of Charge

Approved Tariff for Public Street Lighting

Particulars	Approved Tariff for FY 2024-25
Metered Tariff	
Energy Charge	
Rs./kWh	8.60
Fixed Charge (Rs./kW/month)	60.00
Load (in kW) to be rounded off to the next whole number for the purpose of application of Fixed Charges	
Unmetered Tariff	
Rs./kW/month or any part thereof	4550.00

Schedule 6: LT Public Water Works**Applicability**

8.14. The tariffs for this consumer category shall apply to water works and sewerages/drainage installations established and maintained by Corporations, Municipalities, Town Area/Notified Area Committees, other local bodies and government agencies authorized by the State Government to establish and maintain public water works/sewerage installations.

Character of Services

- (a) AC, 50 Hz, 230 volts, single-phase up to and including a load of 5 kW.
- (b) AC, 50 Hz, three-phase, 400 volts supply for sanctioned load up to 100 kW.

Rate of Charge**Approved Tariff for LT Public Water Works**

Particulars	Approved Tariff for FY 2024-25
Metered Tariff	
Energy Charge	
For all Units (Rs./kWh)	8.60
Fixed Charges for metered consumers (Rs./kW/month)	60.00
Load (in kW) to be rounded off to the next whole number for the purpose of application of Fixed Charges.	

Schedule 7: HT Public Water Works

Applicability

- 8.15. The tariffs for this consumer category shall apply to water works and sewerages/drainage installations established and maintained by Corporations, Municipalities, Town Area/Notified Area Committees, other local bodies and Government agencies authorized by the State Government to establish and maintain public water works/sewerage installations.

Character of Services

- (a) AC, 50 Hz, three-phase; 11 kV supply for load up to 1 MVA.
 (b) AC, 50 Hz, three-phase; 33 kV and above supply for sanctioned load above 1 MVA.

Rate of Charge

Approved Tariff for HT Public Water Works

Particulars	Approved Tariff for FY 2024-25
Metered Consumers	
11 kV Supply	
Energy Charge (Rs./kVAh) *	8.15
Demand Charge (Rs./kVA/month) *^	250.00
* For Connections above 100 kW metered on LT, Additional 5% Surcharge on Demand and Energy Charges at 11 kV tariff shall be chargeable. ^ Or part thereof on billing demand.	
33 kV and above Supply	
Energy Charge (Rs./kVAh)	8.05
Demand Charge (Rs./kVA/month) ^	250.00
^ Or part thereof on billing demand	

Schedule 8: LT Industrial Supply**Applicability**

- 8.16.** The Commission has decided that LT industrial supply shall be applicable to all units registered with the Industries & Commerce Department, Government of UT of J&K covered under the Factories Act. The list of entities covered shall include various industrial installations and workshops with manufacturing facilities where raw materials are converted to finished goods. This shall mean and include all energy consumed in factories, offices, stores, canteens, compound lighting, etc., and the consumption for residential use therein.
- 8.17.** LTIS-II shall be applicable to "Atta chakkis, rice huskers, oil expellers, cotton ginning" in the rural and unorganized sectors having loads up to 15 HP (11.19 kW). LTIS-I would include all LT industrial consumers except those covered under LTIS-II.

Character of Services

- (a) AC, 50 Hz, 230 volts, single-phase up to and including a load of 5 kW.
- (b) AC, 50 Hz, three-phase, 400 volts supply for sanctioned load up to 100 kW (110 kVA).

Rate of Charge**Approved Tariff for LT Industrial Category**

Particulars	Approved Tariff for FY 2024-25
LTIS-I (for all metered consumers except those covered under LTIS-II)	
<i>For consumers with load <50 kW, kVAh tariff shall be applicable</i>	
Energy Charges (Rs./kVAh)	4.20
Demand Charges (Rs./kVA/month) ^	60.00
<i>For consumers with load >50 kW, kVAh tariff shall be applicable</i>	
Energy Charges (Rs./kVAh)*	4.20
Demand Charges (Rs./kVA/month) ^	60.00
* For Connections with sanctioned load below 100 kW (110 kVA) supplied and metered on HT, 5% rebate on Energy Charges shall be allowed.	
^ Or part thereof on billing demand.	
LTIS-II (for all metered consumers and having load up to 15 HP)	
Energy Charges (Rs./kWh)*	4.20
Fixed Charges (Rs./kW/month) ^	30.00
* For Connections with sanctioned load below 100 kW supplied and metered on HT, 5% rebate on Energy Charges shall be allowed.	
^ Load (in kW) to be rounded off to the next whole number for the purpose of application of Fixed Charges.	

Schedule 9: HT Industrial Supply

Applicability

8.18. The Commission has decided that HT industrial supply shall be applicable to all units registered with the Industries Department, Government of UT of J&K and covered under the Factories Act. The list of entities covered shall include various industrial installations and workshops with manufacturing facilities where raw materials are converted to finished goods. This shall mean and include all energy consumed in factories, offices, stores, canteens, compound lighting, etc. and residential use therein, excluding power-intensive industries.

Character of Services

- (a) AC, 30phase; 50 Hz on 11 kV with sanctioned load above 100 kW (110 kVA) up to 1MVA.
- (b) AC, 3-phase; 50 Hz, 33 kV and above for sanctioned load of 1 MVA and above.

Rate of Charge

Approved Tariff for HT Industrial Category

Particulars	Approved Tariff for FY 2024-25
11 kV Supply	
Energy Charge (Rs./kVAh) *	4.10
Demand Charge (Rs./kVA/month) *^	175.00
* For Connections with sanctioned load above 100 kW metered on LT, additional 5% Surcharge on Demand & Energy Charges at 11 kV tariff shall be chargeable.	
^ Or part thereof on Billing Demand.	
33 kV Supply#	
Energy Charge (Rs./ kVAh)**	4.00
Demand Charge (Rs./ kVA/ month) ^	175.00
#ToD tariff applicable.	
** Rebate to Connections at higher voltages: For 66 kV – 15 paisa/kVAh on the Energy Charge for 33 kV Supply.	
^ Or part thereof on Billing Demand.	

Schedule 10: HT Industrial Supply for Power Intensive Industries

Applicability

8.19. The Commission has decided that HT Industrial supply for power-intensive industries shall be applicable to all units registered with the Industries & Commerce Department, Government of UT of J&K and covered under the Factories Act. This category shall apply to HT consumers manufacturing any one of the following products and/or industries engaged in any one or more of the processes listed below and/or using induction/arc furnaces. This shall mean and include all energy consumed in factories, offices, stores, canteens, compound lighting, etc., and the consumption for residential use therein.

- (a) Calcium carbide
- (b) Caustic soda
- (c) Charge chrome
- (d) Ferro manganese
- (e) Ferro silicon
- (f) Ferro alloys
- (g) Potassium chlorate
- (h) Silicon carbide
- (i) Sodium chlorate
- (j) Sodium metal
- (k) Chlorates/per chlorates
- (l) Melting of metals and alloys
- (m) Industries engaged in electro-chemical/electro-thermal processes
- (n) Industries using induction/arc furnace
- (o) In other cases, where the cost of power is more than 25% of the cost of the product manufactured.

Character of Services

- (a) AC, 3-phase; 50 Hz, 11 kV up to 1 MVA.
- (b) AC, 3-phase; 50 Hz, 33 kV and above for load of 1 MVA and above.

Rate of Charge

Approved Tariff for HT Industrial Supply for Power Intensive Industries

Particulars	Approved Tariff for FY 2024-25
11 kV Supply	
Energy Charge (Rs./kVAh)	5.00
Demand Charge (Rs./kVA/month) [^]	225.00
[^] Or part thereof on Billing Demand	
33 kV Supply#	
Energy Charge (Rs./kVAh)*	4.95
Demand Charge (Rs./kVA/month) [^]	225.00
# ToD tariff applicable	
* Rebate to Connections at higher voltages: For 66 kV – 15 paisa/kVAh on the Energy Charge for 33 kV Supply. [^] Or part thereof on Billing Demand.	

Schedule 11: General Purpose Bulk Supply

Applicability

- 8.20.** This category contains all non-industrial consumers having mixed types of loads greater than 100 kW (110 kVA). This includes domestic consumers, offices, educational/technical institutions, religious institutions, residential colonies, commercial establishments and other similar consumers.
- 8.21.** All connections having a load of 100 kW or above and not covered in any other category shall be billed under tariffs applicable to this category. However, any such connections belonging to State/Central Governments, defence and para-military forces shall not be considered in this category.

Character of Services

- (a) AC, 3-phase; 50 Hz on 11 kV up to 1 MVA.
- (b) AC, 3-phase; 50 Hz on 33 kV and above for load of 1 MVA and above.

Rate of Charge

Approved Tariff for General Purpose Bulk Supply

Particulars	Approved Tariff for FY 2024-25
11 kV Supply	
Energy Charge (Rs./kVAh) *	5.60
Demand Charge (Rs./kVA/month) *^	225.00
* For Connections above 100 kW metered on LT, additional 5% Surcharge on Demand and Energy Charges at 11 kV tariff shall be chargeable. ^ Or part thereof on Billing Demand.	
33 kV Supply#	
Energy Charge (Rs./kVAh)**	5.55
Demand Charge (Rs./kVA/month) ^	225.00
# ToD tariff applicable. ** Rebate to Connections at higher voltages: For 66 kV – 15 paisa/kVAh on the Energy Charge for 33 kV Supply. ^ Or part thereof on Billing Demand.	

Schedule 12: LT and HT Temporary Connections

Applicability

- 8.22.** The Commission has fixed the applicability for this category to all loads of a temporary nature, such as exhibitions, touring talkies, circuses, fairs, marriages, temporary agricultural loads, temporary supply for construction including civil works by Government departments and other similar purposes.

Rate of Charge

- 8.23.** The Commission has approved the tariff for temporary connections at 1.5 times the applicable rates (on fixed/demand and energy charges).

Time Period for Temporary Connection

- 8.24.** Temporary connections shall be granted for a period of up to 12 months at a time. However, if the period of temporary connection is extended beyond 12 months, the tariff would be two times that of the applicable fixed/demand and energy charges.

Schedule 13: Electric Vehicle (EV) Charging Station**Applicability**

8.25. This tariff category is applicable to Electric Vehicle Charging Stations including battery swapping stations for Electric Vehicle.

8.26. In case the consumer uses an electricity supply for charging his own electric vehicle at his premises, the tariff applicable shall be as per the category of such premises.

Character of Services

(a) AC, 3-phase; 50 Hz: 400 volts supply for sanctioned load up to 100 kW (110 kVA).

(b) AC, 3-phase; 50 Hz on 11 kV above 110 kVA and up to 1 MVA.

(c) AC, 3-phase; 50 Hz on 33 kV and above for load of 1 MVA and above.

Rate of Charge

Approved Tariff for EV charging station

Particulars	Approved Tariff for FY 2024-25
LT Supply	
Energy Charge (Rs./kVAh)	7.00
Demand Charge (Rs./kVA/month) ^	0
11 kV Supply	
Energy Charge (Rs./kVAh) *	6.90
Demand Charge (Rs./kVA/month) *^	0
* For Connections above 100 kW metered on LT, additional 5% Surcharge on Demand and Energy Charges at 11 kV tariff shall be chargeable.	
33 kV Supply#	
Energy Charge (Rs./kVAh)**	6.80
Demand Charge (Rs./kVA/month) ^	0
# ToD tariff applicable.	
** Rebate to Connections at higher voltages: For 66 kV – 1.5% on the Energy Charge for 33 kV Supply.	
^ Or part thereof on Billing Demand.	

Schedule 14: Traction**Applicability**

8.27. This tariff category is applicable to the power supply at High Voltage for Railways, including stations and shops, workshops, yards, etc.

Character of Services

- (a) AC, 3-phase; 50 Hz on 11 kV up to 1 MVA.
- (b) AC, 3-phase; 50 Hz on 33 kV and above for load of 1 MVA and above.

Rate of Charge**Approved Tariff for Traction**

Particulars	Approved Tariff for FY 2024-25
11 kV / 33 kV Supply#	
Energy Charge (Rs./kVAh) *	5.40
Demand Charge (Rs./kVA/month) *^	300
# ToD tariff applicable for 33 kV supply only.	
* For Connections above 100 kW metered on LT, Additional 5% Surcharge on Demand and Energy Charges at 11 kV tariff shall be chargeable.	
^ Or part thereof on Billing Demand.	

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Chapter 9: Terms and Conditions of Tariff/Definitions

- 9.1. The terms and conditions for the application of tariff for FY 2024-25 as approved by the Commission are provided below.

Terms and Conditions of Tariff

- 9.2. These tariffs supersede all tariffs thus far in force.
- 9.3. The tariffs are subject to revision and/or surcharge that may be levied by the Distribution Licensee from time to time as per the directives of the Commission.
- 9.4. The tariffs are subject to the provisions of the applicable Regulations and any directions that may be issued by the Commission from time to time.
- 9.5. The Fixed charges, Demand charges, and slabs of consumption of energy for Energy Charges mentioned shall not be subject to any adjustment on account of the existence of any broken period within the billing period arising from consumer supply being connected or disconnected at any time within the duration of the billing period for any reason.
- 9.6. The utility shall provide single-phase LT connections up to and including a load of 5 kW, beyond which all connections shall be three-phase in nature.
- 9.7. The Distribution Licensee may provide three0phase connections to consumers with a load of less than 5 kW on request from the consumer accompanying justification for the same. Three-phase tariff shall be applicable to all such connections.
- 9.8. Unless specifically stated to the contrary, the figures of Energy Charge are denominated in Rupees per unit (kWh or kVAh as the case may be) for the energy consumed during the month. The billing of energy charges will be done on complete one kilo-watt-hour (kWh) or kilo-volt-ampere-hour (kVAh).

Points of Supply

- 9.9. The tariff will be applicable to one point supply unless otherwise specified in the agreement between the Licensee and consumer.

Minimum Agreement Period

- 9.10. The minimum period for which the Licensee shall provide a permanent connection for power supply to a consumer shall be six months (LT supply), one year (HT supply) and two years (EHT supply) starting from the date of commencement of supply. The minimum period of the agreement shall continue until the end of the billing cycle in which the end date of the months/one year/two years period expires. Any consumer applying for permanent disconnection of supply before the expiry of the period as specified above, shall pay to the utility guaranteed charges/minimum charges/demand charges for the unexpired

period of the agreement. However, this condition of paying minimum charges can be relaxed for domestic and agricultural consumers.

Security Deposit

- 9.11. All matters regarding Security Deposits will be as per provisions given in Supply Code Regulations and its amendments in force.

Late Payment Surcharge

- 9.12. The Licensee shall levy a late payment surcharge @ 1.5% per month on the unpaid (beyond due date) principal amount of energy charges, fixed/demand charges and/or minimum charges as may be the case for authorized connections.

Example 1: In case no payment has been made before due date

- Amount payable on account of energy and fixed/demand charges by due date = Rs. 1,000
- Due Date = 31st May.
- Actual paid by due date = Nil
- Amount payable after due date but by 30th June = Rs.1,015 (1000 + 15)
- Amount payable by 31st July = Rs.1,030 (1000 + 15 + 15) and so on (Note: Surcharge for the period beyond June would be computed on the unpaid principal amount only)

Example 2: In case partial payment has been made before due date

- Amount payable on account of energy and fixed/demand charges by due date = Rs. 1,000
- Due Date = 31st May
- Actual paid by due date = 500
- Unpaid Amount payable after due date but by 30th June = Rs.507.5(500 + 7.5)
- Amount payable by 31st July = Rs.515 (500 + 7.5 + 7.5) and so on (Note: Surcharge for the period beyond June would be computed on the unpaid principal amount only)

Rebate for Pre-paid Smart Meter

- 9.13. Consumers with prepaid smart metered connections shall be entitled to rebate of 2% in the Energy Charge Rate applicable for that consumer category.

Excess/Unauthorized Load

- 9.14. Any consumer having an energy meter with Maximum Demand Indicators (MDI) installed, found to have an 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.

Example:

(a) For consumers where fixed charges on the basis of contracted load/demand have been specified:

- Contracted load = 30 kW, Maximum Demand = 43 kW, Excess Demand = 13 kW (43-13)
- Recorded consumption for month = 10,320 kWh
- Consumption corresponding to contracted load = $(10,320 / 43 * 30) = 7,200$ kWh
- Consumption corresponding to excess demand = $(10,320 - 7,200) = 3,120$ kWh
- Normal Fixed Charge Rate = Rs.47/kW/month, Normal Energy Charge rate = Rs.3.00/kWh
- Fixed Charges for contracted load = $(30 * 47) = \text{Rs.}1,410$
- Fixed Charges for excess load = $(13 * 47 * 2) = \text{Rs.}1,222$
- Total Fixed Charges = $(1,410 + 1,222) = \text{Rs.}2,632$
- Energy Charges for consumption corresponding to contracted load = $(7,200 * 3) = \text{Rs.}21,600$;
- Energy Charges for consumption corresponding to excess load = $(3,120 * 3 * 2) = \text{Rs.}18,720$;
- Total Energy Charges = $(21,600 + 18,720) = \text{Rs.}40,320$

(b) For industrial consumers billed on billable demand:

- Contracted demand = 500 kVA, Maximum Demand = 800 kVA, Excess Demand = 300 kVA (800-500)
- Recorded consumption for month = 3,26,400 KVAh
- Consumption corresponding to contracted demand = $(3,26,400 * 500 / 800) = 2,04,000$ KVAh;
- Consumption corresponding to excess demand = $(3,26,400 - 2,04,000) = 1,22,400$ KVAh
- Normal Demand Charge Rate = Rs. 130/kVA/month, Normal Energy Charge rate = Rs.2.60/KVAh
- Fixed Charges for contracted demand = $(500 * 130) = \text{Rs.}65,000$
- Fixed Charges for excess demand = $(300 * 130 * 2) = \text{Rs.}78,000$
- Total Fixed Charges = $(65,000 + 78,000) = \text{Rs.}1,43,000$
- Energy Charges for consumption corresponding to contracted demand = $(2,04,000 * 2.60) = \text{Rs.}5,30,400$;
- Energy Charges for consumption corresponding to excess demand = $(1,22,400 * 2.60 * 2) = \text{Rs.}6,36,480$;
- Total Energy Charges = $(5,30,400 + 6,36,480) = \text{Rs.}11,66,880$

Electricity Duty

9.15. The tariffs are exclusive of Electricity Duty (ED) or any other taxes levied by the Government. The ED and any other levy shall be charged extra and remitted to the Government separately based on the actual payment from consumers.

Irregular Power Supply

9.16. Wherever the utility is unable to supply power to the entire area/locality fed by a particular substation for a continuous period of 15 days or more, no electricity charges will be payable by the affected consumers for the period for which the power remains off continuously.

- 9.17.** The areas where the power supply is less than 12 hours a day continuously for a period of thirty days, the minimum charges/fixed charges/demand charges shall be levied proportionately for the actual period of supply.

Government Employees moving with Darbar

- 9.18.** Government employees moving between Jammu and Srinagar along with Darbar and occupying government accommodation shall be granted an electric connection for a period of six months. On expiry of six months, the utility will disconnect the installation immediately and no charges will be levied for the period the installation remains disconnected. All such installations shall be deemed to be permanent connections for determination of tariff.

Defective/Burnt/Stolen Meters

- 9.19.** In the case of a defective/stolen/burnt meter, the consumer shall be billed on the basis of the provisions given in the Supply Code Regulations and its amendments in force.

Charges for Dishonoured Cheques

- 9.20.** A consumer whose cheque has been dishonoured shall have to make payments within 7 days either in cash or net banking. Other conditions shall be as per provisions given in Supply Code Regulations and its amendments in force.

Resale of Energy

- 9.21.** Resale of power will be governed by the provisions given in the Supply Code Regulations and its amendments in force.

Applicability of Tariff

- 9.22.** In case of dispute between the utility and the consumer regarding the applicability of the tariff, the decision of the Commission shall be final.

Contradiction to the Agreement

- 9.23.** All conditions prescribed herein shall be applicable to the consumer, notwithstanding, the provisions, if any, in the agreement entered by the consumer with the licensee being to the contrary.

Time of Day (ToD) Tariff

- 9.24.** ToD tariff is applicable in addition to energy charges for HT consumers with load above 1 MVA getting supply at 33 kV level and above. For the implementation of the 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). During peak hours a 20% surcharge on energy charges will be applicable. During off-peak hours a 10% rebate on energy charges will be applicable.

Rebate for Use of Solar Energy

- 9.25. During the winter months, the consumption of electricity is very high, especially during the morning hours resulting in a peaking of demand in addition to the normal peaking witnessed in the evening hours. Climatic conditions in the State are such that hot water is required by domestic as well as commercial consumers and it appears that one of the reasons for this peak demand in the morning during the winter months is the use of water heating appliances like geysers and immersion rods etc. These heating appliances are heavy guzzlers of electricity.
- 9.26. This requirement of consumers is real and cannot be curbed or discouraged beyond a point. Therefore, for the sake of proper grid management, it is essential that consumers should be nudged and encouraged to opt for alternative methods to meet their water heating and cooling requirements. Solar water heaters and/or solar cookers offer an excellent alternative to electrical water heating systems and can help in a big way in reducing the demand, particularly during morning hours. The weather conditions in the State are conducive to tapping solar energy for this purpose. Responsible and progressive consumers are already using such devices to substantially reduce their energy bills. The use of solar heating is thus a win-win situation for consumers as well as the utility.
- 9.27. In order to encourage consumers to switch over to solar water heating systems, the Commission proposes a monthly rebate of Rs.150 for all metered consumers who have installed such solar heating systems with a minimum capacity of 100 litres for meeting their requirements of hot water. To avail of this rebate, the consumer will be required to give documentary proof of having obtained JAKEDA or purchase from a registered dealer of such a system. He will also have to supply an affidavit to the effect that such a system has been installed on his premises and is being used regularly to meet such heating requirements.
- 9.28. This declaration will be verified by the Licensee's meter representative. In case such declaration is found to be false, the Licensee in addition to taking appropriate legal action against such consumer would also be entitled to recover the entire rebate allowed to such consumers with a 100% penalty.

Definitions

Connected Load

- 9.29. "Connected load" expressed in kilo Watt (kW), kilo Volt Ampere (kVA) or Horse Power (HP), means the aggregate of the manufacturer's rated capacities of all energy-consuming devices or apparatus connected with the Distribution Licensee's service line on the consumer's premises, which can be simultaneously used and shall be determined as per the procedure laid down in the Supply Code. This shall be expressed in kW or kVA. If the rating is in kVA, the same shall be converted to kW by multiplying the kVA with a Power Factor of 0.9. If the same or any other apparatus is rated in HP, the HP shall be converted to kW by multiplying it by 0.746.
- 9.30. However, this shall not include the load of extension plug sockets, stand-by or spare energy-consuming apparatus installed, through change-over switch, which cannot be operated simultaneously and any other load exclusively meant for firefighting purposes.

- 9.31. In the case of domestic consumers, a higher cooling load (air conditioners, coolers, etc.) or heating load (excluding equipment used for cooking) only shall be taken for determination of the total load.
- 9.32. Any equipment which is under installation and not connected electrically such as equipment stored in warehouses/showrooms either as spare or for sale will not be considered as the part of the Connected Load.

Sanctioned Load

- 9.33. Sanctioned Load: Shall mean load (in kW, kVA or HP) for which the Licensee has agreed to supply from time to time subject to the governing terms and conditions in the absence of an agreement between the distribution licensee and the consumer.

Contract Demand

- 9.34. Contract demand means the maximum demand in kW, kVA or HP, agreed to be supplied by the Licensee and indicated in the agreement executed between the Licensee and the consumer. The contract demand cannot be reduced to less than 60% of the sanctioned connected demand.

Maximum Demand

- 9.35. Maximum Demand for any month shall mean the highest average load measured in kVA or kW (kilo volt amperes/kilo watt) during any consecutive 30-minute period of the month.

Demand Charges

- 9.36. Demand Charges shall mean the amount chargeable based upon the billing demand as defined in para 11.37 below.

Average Power Factor

- 9.37. Average Power Factor: This shall mean the average energy factor and shall be taken as the ratio of the kilo-watt-hour (kWh) to the kilo-volt-ampere-hour (kVAh) supplied during any period.

Billing Demand

- 9.38. The billing demand (for kVA-based billing) for any month shall be taken to be the higher of the actual maximum recorded demand or 75% of the Contract Demand.

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Chapter 10: Schedule of Miscellaneous Charges

Approved Schedule of miscellaneous charges for FY 2024-25

Sl.No	Description	Units	Approved Charges for FY 2024-25
1	For single phase and three phase connection upto 5 KW		
1.a	Changing Meter Board in same premises.	Rs	80
1.b	Changing Meter at Consumers request in same premises.	Rs	80
1.c	Resealing PDDs cut-out in Consumers premises.	Rs	25
2	Re-sealing of Meters, Maximum Demand Indicators in Consumers premises		
2.a	Single Phase LT Connection.	Rs	100
2.b	Three phase LT Connection	Rs	150
2.c	HT Connection	Rs	850
3	Meter Testing charge at Consumers request		
3.a	Single phase LT Meter.	Rs	60
3.b	Three phase 4W/3W Meter without CT.	Rs	100
3.c	Three phase 4W/3W Meter with CT	Rs	350
3.d	LT CT Meter	Rs	200
3.e	HT Meter along with metering equipment (CT/PT).	Rs	1200
4	Special meter reading		
4.a	LT Connection	Rs	30
4.b	HT Connection	Rs	250
5	Replacement of burnt Meter (if burnt due to Consumers fault)	Rs	Cost of Meter+15% supervision charges
6	Fuse Off call charges-Replacement		
6.a	PDD's cut out fuse	Rs	25
6.b	LT Consumers fuse	Rs	25
7	Replacement of missing Meter card	Rs/Card	15
8	Replacement of broken glass of Meter	Rs/Glass	40
9	Reconnection/disconnection charges		
9.a	LT Consumers	Rs	50
9.b	HT Consumers	Rs	250
10	Rechecking of installation on request of Consumer		
10.a	Single phase	Rs	100
10.b	Three phase	Rs	250
11	Re-rating of equipment	Rs/ Equipment	120
12	Supervision charge for Service Connection (if service line laid by Consumer through licensed Contractor)		
12.a	Single phase LT connection	Rs	200
12.b	Three phase LT connection	Rs	450
12.c	Loop LT connection	Rs	120
13	Parallel Operation charge for availing Grid support by CPP	Rs/kVA per month	As per JERC Regulations

Sl.No	Description	Units	Approved Charges for FY 2024-25
		on the installed capacity of CPP	
14	Shifting of connection	Rs	Actual material cost+15% supervision charge
15	Hiring of Utility's plant and equipment		
15.a	For initial hire agreement period	Rs	1% pm on current schedule of rates
15.b	For subsequent period of hire agreement	Rs	Twice of 15.a
15.c	For LT consumers (more than 100 HP) converting to HT	Rs	Same as 15.a & 15.b
16	Transfer of Name		
16.a	LT	Rs	120
16.b	HT	Rs	600
17	Booklet for HT/LT Tariff	Rs	25
18	Connection/disconnection charges for temporary connection		
18.a	LT temporary connection	Rs	150
18.b	HT temporary connection	Rs	700

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