

15509/2023/Diary Section

Email

Nishi Raj

Fwd: UT of Puducherry - Submission of ARR and Tariff Petition for the FY 2024-25 - Regarding.

From : Sunil Dutt Sharma <dirfin.jercuts@gov.in> Sat, Dec 02, 2023 03:24 PM
Subject : Fwd: UT of Puducherry - Submission of ARR and Tariff Petition for the FY 2024-25 - Regarding. 4 attachments
To : Rahul Kumar <raengg1-jercuts@govcontractor.in>
Cc : Shreya Pandit <raengg4-jercuts@govcontractor.in>, Amit <advisortech-jercuts@govcontractor.in>, KrishanM Varma <kmvarma.jercuts@gov.in>, Nishi Raj <asstt3-jercuts@govcontractor.in>

n.a. please

From: "Superintending Engineer-I, EDP" <se1ped@py.gov.in>
To: secretaryjerc@gmail.com, "Sunil Dutt Sharma" <dirfin.jercuts@gov.in>
Cc: "Shreya Pandit" <raengg4-jercuts@govcontractor.in>, "Secretary Transport, Puducherry" <secytran@py.gov.in>, "Exe Engineer Division General Electricity Dept Puducherry" <ee10ped@py.gov.in>, edpaetech1@gmail.com, "Superintending Engineer, Circle III Puducherry Electricity Department" <se3ped@py.gov.in>, "Superintending Engineer Masterplan & Outlying regions, Electricity Department, Puducherry" <se2ped@py.gov.in>
Sent: Friday, December 1, 2023 7:48:37 PM
Subject: UT of Puducherry - Submission of ARR and Tariff Petition for the FY 2024-25 - Regarding.

Sir / Madam,

Please find attached the scan copies of the ARR and Tariff Petition for the FY 2024-25 duly signed for kind perusal and consideration. Six copies of the petition are sent to the Hon'ble Commission through courier.

With regards,

T.Chanemougam
Superintending Engineer-cum-
Head of the Department,
Electricity Department, Puducherry
Email : se1ped@py.gov.in
Mobile : +919489080301
Phone : 0413-2334277



15509/2023/Diary Section

**Puducherry ARR Petition 2024-25.pdf**

12 MB

**Puducherry Annual Audit Report 22-23.pdf**

7 MB

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**BEFORE THE
JOINT ELECTRICITY REGULATORY COMMISSION FOR THE STATE OF GOA
AND UNION TERRITORIES**

FILE NO:

Petition No.

**IN THE MATTER OF: PETITION FOR APPROVAL OF TRUE UP OF FY- 2022-23,
ANNUAL PERFORMANCE REVIEW (APR) OF FY- 2023-24 AND AGGREGATE
REVENUE REQUIREMENT (ARR) AND DETERMINATION OF TARIFF FOR
FY 2024-25**

AND

IN THE MATTER OF:

ELECTRICITY DEPARTMENT, PUDUCHERRY

- PETITIONER

AFFIDAVIT

I, **T.CHANEMOUGAM** Son of Thiru.E.TANDAYOUDABANY aged about 58 years, residing at 43, Saint Simonpet, Muthialpet, Puducherry- 605 003, the deponent named above do hereby solemnly affirm and state on oath as under:-

1. That the deponent is the Superintending Engineer cum Head of the Department, Electricity Department, Government of Puducherry duly authorised by the Government of Puducherry to make this affidavit on its behalf and the deponent is acquainted with the facts deposed below.


**T. CHANEMOUGAM, B.E., M.I.E., PGDCA.,
SUPERINTENDING ENGINEER
- cum - HOD
ELECTRICITY DEPARTMENT
PUDUCHERRY.**

15509/2023/Diary Section

2. I, the deponent named above do hereby verify that the contents of the affidavit and those of the accompanying petition are true to the best of my personal knowledge and verify that no part of this affidavit is false and nothing material has been concealed.

Enclosure: Petition for approval of True up of FY- 2022-23, Annual Performance Review (APR) of FY- 2023-24 and Aggregate Revenue Requirement (ARR) and determination of Tariff for FY 2024-25. (Six copies of Petition)

(Deponent)

T. Chanemougam

T. CHANEMOUGAM, B.E., M.I.E., PGDCA.,
SUPERINTENDING ENGINEER
- cum - HOD
ELECTRICITY DEPARTMENT
PUDUCHERRY.

I, **S. Srinivasaperumal** Advocate, Puducherry, do hereby declare that the person making this affidavit is known to me through the perusal of records and I am satisfied that he is the same person alleging to be deponent himself.

S. Srinivasaperumal
S. SRINIVASA PERUMAL, B.A., LL.B.,
ADVOCATE & NOTARY PUBLIC
(GOVT. OF INDIA)
6, ANNAI VELANKANNI STREET
KAMARAJ NAGAR, PUDUCHERRY-11.
Advocate

Solemnly affirmed before me on this day of..... by the deponent who has been identified by the aforesaid Advocate.

I have satisfied myself by examining the deponent that he understood the contents of the affidavit which has been read over and explained to him. He has also been explained about section 193 of Indian Penal Code that whoever intentionally gives false evidence in any of the proceedings of the Commission or fabricates evidence for purpose of being used in any of the proceedings shall be liable for punishment as per law.



**GOVERNMENT OF PUDUCHERRY
ELECTRICITY DEPARTMENT**

137, Nethaji Subhash Chandra Bose Salai, Puducherry - 605 001

Phone: 0413 – 2334277 Web site: <http://electricity.py.gov.in> e-mail: se1ped@py.gov.in

T.CHANEMOUGAM

Superintending Engineer cum HOD

No. 1889 /ED/SE-I/Tech-I/F-49-Tariff /2023-2024

Date: 01 /12/2023.

To
The Secretary,
Joint Electricity Regulatory Commission,
3 and 4th Floor,
Plot.No.55,56 Service Lane,
Phase-IV, Udyog Vihar,
Sector-18, Gurugram – 122016, HARYANA.

Email id: secy.jercuts@gov.in

Sir,

Sub : Electricity Department, Puducherry –Tariff Petition-True up for FY-2022-23, Annual Performance Review(APR) for FY 2023-24 and Tariff determination for FY 2024-25- Submitted-Regarding.

-oOo-

I am enclosing six copies of Petition containing True up for FY-2022-23, Annual Performance Review(APR) for FY 2023-24 and Tariff determination for FY-2024-25, for favourable consideration of the Hon'ble Commission.

2. The Petition fee of Rs.49,34,213 (Rupees forty nine lakhs thirty four thousand two hundred and thirteen only) is worked out below:

The projected sale of power for FY 2024-25 is 3147.37 MU

The petition fee (@Rs.1.25 /1000 units) is Rs.39,34,213/- plus

Fees towards True Up of FY-2022-23 and Annual Performance Review of tariff by the Licensee for FY-2023-24 is Rs.10, 00,000/-

3. The petition fee of Rs.49, 34,213/- has been sent through RTGS mode in favour of JERC Account No.0987100100000370, IFSC code: PUNB0098710 vide UTR No.RBI3342315124674 Dt.30-11-2023..

Yours faithfully,

T. Chanemougam
11/12/23

(T.CHANEMOUGAM)

Superintending Engineer Cum HOD

Encl: As above.

PETITION FOR APPROVAL OF TRUE-UP OF FY 2022-23,
ANNUAL PERFORMANCE REVIEW OF 2023-24 AND AGGREGATE
REVENUE REQUIREMENT (ARR) AND
DETERMINATION OF TARIFF FOR FY 2024-25

OF

ELECTRICITY DEPARTMENT, GOVERNMENT OF PUDUCHERRY

SUBMITTED TO

THE HON'BLE JOINT ELECTRICITY REGULATORY COMMISSION
GURUGRAM

BY

ELECTRICITY DEPARTMENT, GOVERNMENT OF PUDUCHERRY

DECEMBER 2023


T. CHANEMOUCAM, B.E., M.I.E., PGDCA.,
SUPERINTENDING ENGINEER
- cum - HOD
ELECTRICITY DEPARTMENT
PUDUCHERRY.

15509/2023/Diary Section

True-up for FY 2022-23, APR for FY 2023-24 and ARR for 2024-25

BEFORE THE JOINT ELECTRICITY REGULATORY COMMISSION FOR THE STATE OF GOA, &
UNION TERRITORIES, GURUGRAM

Filing No.....

Case No.....



T. CHANEMOUCAM, B.E., M.I.E., PGDCA.,
SUPERINTENDING ENGINEER
- cum - HOD
ELECTRICITY DEPARTMENT
PUDUCHERRY.

Electricity Department, Puducherry

True-up for FY 2022-23; APR for FY 2023-24 and ARR for 2024-25

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Electricity Department, Puducherry

TANDAYOUDABAN
Y CHANEMOUGAM

Digitally signed by TANDAYOUDABAN

CHANEMOUGAM

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ELECTRICITY DEPARTMENT, PUDUCHERRY,

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TANDAYOUDABAN, B.E., M.I.E., PGDCA.,
SUPERINTENDING ENGINEER
- cum - HOD
ELECTRICITY DEPARTMENT
PUDUCHERRY.

True-up for FY 2022-23, APR for FY 2023-24 and ARR for 2024-25

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Electricity Department, Puducherry

T. CHANEMOUGAM, B.E., M.I.E., RCSCA
SUPERINTENDING ENGINEER
- cum - HOD
ELECTRICITY DEPARTMENT
PUDUCHERRY.

Digitally signed by T. CHANEMOUGAM
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Date: 2023.12.01 11:29:00.32

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True-up for FY 2022-23, APR for FY 2023-24 and ARR for 2024-25

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T. Channemougam

T. CHANNEMOUGAM, B.E., M.I.E., PGDCA.,
SUPERINTENDING ENGINEER
- cum - HOD
ELECTRICITY DEPARTMENT
PUDUCHERRY.

True-up for FY 2022-23, APR for FY 2023-24 and ARR for 2024-25

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Electricity Department, Puducherry


T. CHANNAMOUGAN, B.E., M.I.E., PGDCA.,
SUPERINTENDING ENGINEER
- cum - HOD
ELECTRICITY DEPARTMENT
PUDUCHERRY.

V

True-up for FY 2022-23, APR for FY 2023-24 and ARR for 2024-25

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True-up for FY 2022-23, APR for FY 2023-24 and ARR for 2024-25

True-up for FY 2022-23, APR for FY 2023-24 and ARR for 2024-25

LIST OF ABBREVIATIONS

Sr. No	Abbreviations	Descriptions
1	A&G	Administrative and General
2	ABT	Availability Based Tariff
3	ACoS	Average Cost of Supply/ Service
4	AMI	Automated Metering Infrastructure
5	AMR	Automatic Meter Reading
6	APR	Annual Performance review
7	ARR	Aggregate Revenue Requirement
8	CAGR	Compound Annual Growth Rate
9	CAPEX	Capital Expenditure
10	CEA	Central Electricity Authority
11	CERC	Central Electricity Regulatory Commission
12	CGS	Central Generating Station
13	CWIP	Capital work in progress
14	DELP	DSM based Efficient Lighting Programme
15	Discom	Distribution Companies
16	DSM	Demand Side Management
17	EA/The Act	The Electricity Act 2003
18	EDP/ PED	Electricity Department, Government of Puducherry
19	EC	Energy Charges
20	EHT	Extra High Tension
21	FC	Fixed Charges
22	FOR	Forum of Regulators
23	FY	Financial Year
24	GFA	Gross Fixed Assets
25	GoI	Government of India
26	HT	High Tension
27	JERC	Joint Electricity Regulatory Commission
28	JICA	Japan International Cooperation Agency
29	JNNSM	Jawaharlal National Solar Mission
30	KSEB	Kerala State Electricity Board
31	KV	Kilo Volt
32	kVA	Kilo Volt Ampere
33	kVAh	Kilo Volt Ampere Hour
34	kW	Kilo Watt
35	kWh	Kilo Watt Hour
36	LT	Low Tension
37	MNRE	Ministry of New and Renewable Energy
38	MOD	Merit Order Despatch
39	MoP	Ministry of Power
40	MOU	Memorandum of Understanding
41	MU	Million Units (Million kWh)

Electricity Department, Puducherry

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Sr. No	Abbreviations	Descriptions
42	MVA	Mega Volt Ampere
43	MW	Mega Watt
44	MYT	Multi Year Tariff
45	NFA	Net Fixed Assets
46	NLC	Neyveli Lignite Corporation
47	NPCIL	Nuclear Power Corporation of India Limited
48	NTP	National Tariff Policy
49	NTPC	National Thermal Power Corporation
50	O&M	Operation & Maintenance
51	PLR	Prime Lending Rate
52	POC	Point of Connection
53	PPA	Power Purchase Agreement
54	PPCL	Puducherry Power Corporation Limited
55	PV	Photo voltaic
56	R&M	Repair and Maintenance
57	R-APDRP	Restructured Accelerated Power Development and Reforms Programme
58	REC	Renewable Energy Certificate
59	ROE	Return on Equity
60	RPO	Renewable Purchase Obligation
61	RRAS	Reserves Regulation Ancillary Services
62	RDSS	Revamped Distribution Sector Scheme
63	Rs	Rupees
64	SBI	State Bank of India
65	SECI	Solar Energy Corporation of India
66	SLDC	State Load Dispatch Centre
67	SWOT	Strength, Weakness, Opportunity and Threats
68	TANGEDCO	Tamil Nadu Generation and Distribution Company
69	T&D	Transmission and Distribution
70	TOD	Time of Day
71	UI Charges	Unscheduled Interchange Charges
72	w.e.f.	With effect from
73	WPI	Wholesale Price Index

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CHAPTER 1. INTRODUCTION

1.1.1 The Union Territory of Puducherry comprises of four regions namely Puducherry, Karaikal, Mahe and Yanam, which are not geographically contiguous and is spread over an area of 492 Sq. km with the total population of 12.45 Lakhs as per provisional results of Census 2011. The basic profiles of four regions are as follows:

- Puducherry is the largest among the four regions and consists of 12 scattered areas interspersed with enclaves of Villupuram and Cuddalore Districts of Tamil Nadu.
- Karaikal is about 150 kms South of Puducherry and is bounded by Nagapattinam and Thiruvarur Districts of Tamil Nadu State.
- Mahe lies almost parallel to Puducherry 653 kms away on the west coast near Kannur District of Kerala State.
- Yanam is located about 840 kms north-east of Puducherry and it is located in the East Godhavari District of Andhra Pradesh State.

1.1.2 The Territory of Puducherry was merged with the Indian Union on 1st November 1954 and is administered under the provisions of Government of Union Territories Act, 1963.

1.2 Electricity Department of Puducherry

1.2.1 Puducherry Electricity Department being a deemed distribution licensee as per section 14 of the Electricity Act 2003, performs the functions of transmission and distribution of electric power to the Union Territory. The sole generating station in Puducherry is a 32.5 MW combined cycle gas power plant in Karaikal owned by the Puducherry Power Corporation Limited. The entire power requirement of Puducherry is met from the power allocated from the Central Generating Stations, and from the Puducherry Power Corporation Limited.

1.2.2 The Union Territory of Puducherry has an extensive network of Power Transmission and Distribution Systems spread along the breath and width of all the four regions of the Union Territory. PED operates a transmission network of 230 kV, 132kV & 110kV and distribution network at 33 kV, 22 kV & 11 kV at LT levels.

1.3 Filing under Tariff Regulations

1.3.1 PED has been filing its ARR and Tariff petitions for the past years with the Hon'ble Commission based on the principles outlined by the Hon'ble Joint Electricity Regulatory Commission (hereinafter referred to as Hon'ble Commission / JERC)

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vide their Regulations on applicable terms and conditions of Tariff for Distribution Licensees as notified in 2014, 2018 and 2021.

1.3.2 The Hon'ble Commission issued the JERC (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2021 (hereinafter referred to as "MYT Regulations 2021") in exercise of powers conferred by Section 61, 62, 63 and 86 read with Section 181 of Electricity Act 2003 on 22nd March, 2021. These regulations were made applicable to all distribution licensee in the State of Goa & Union Territories of Andaman & Nicobar Island, Dadra & Nagar Haveli, Daman & Diu, Chandigarh, Lakshadweep and Puducherry. As per clause 1.2 of the JERC MYT Regulations, 2021, the Control Period was defined as a three-year period from FY 2022-23 to FY 2024-25 i.e. from April 1, 2022 to March 31, 2025.

1.3.3 PED has filed its petition for True-up for FY 2020-21, Annual Performance Review for FY 2021-22 and Aggregate Revenue Requirement (ARR) for 3rd Control Period from FY 2022-23 to FY 2024-25 & Retail Tariff for distribution and retail sale of electricity for FY 2022-23 under section 61, 62 & 64 of the Electricity Act, 2003 and JERC MYT Regulations 2021 against which Tariff Order was issued by the Hon'ble Commission on 31st March, 2022.

1.3.4 PED has filed its petition for True-up for FY 2021-22, Annual Performance Review for FY 2022-23 and Aggregate Revenue Requirement (ARR) & determination of Tariff for FY 2023-24 under section 61, 62 & 64 of the Electricity Act, 2003 and JERC MYT Regulations 2021 against which Tariff Order was issued by the Hon'ble Commission on 31st March, 2023.

1.4 Filing of ARR and Tariff Petition

1.4.1 Under the provisions of Electricity Act, 2003, Licensee is required to submit its ARR and Tariff Petition as per procedures outlined in section 61, 62 and 64 of EA 2003, and the governing regulations of JERC of the relevant years thereof.

1.4.2 The Hon'ble Commission notified in JERC (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2021, that

"11 Mid-term Review

11.1 A Petition for Mid-term Review may be filed by the licensees along with the application for trueup of the First year, i.e., FY 2022-23 and tariff determination for the Third Year of the Control Period, i.e., FY 2024-25:

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12 Annual Performance Review, Truing-up and tariff determination during the Control Period

12.1 The Generating Company, Transmission Licensee and Distribution Licensee shall be subject to annual performance review and truing up of expenses and revenue during the Control Period in accordance with these Regulations.

12.2 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."

1.4.3 As per the JERC MYT Regulations 2021, PED was required to file the true-up and revised ARR Petition for the control period by 30th November, 2023.

1.4.4 PED has adopted the principles of JERC MYT Regulations, 2021, accordingly PED is submitting the petition for True-up of FY 2022-23 as per actual and Annual Performance Review of FY 2023-24 for the approval of the Hon'ble Commission. The tariff formats as outlined in Regulations and as applicable to PED are provided at the end of this petition.

1.4.5 PED is now filing this petition for approval of Hon'ble Commission whereby the Tariff Formats are enclosed as per Annexure 1 of this petition. The details are provided in subsequent chapters.

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CHAPTER 2. OVERALL APPROACH FOR PRESENT FILING

In this petition, Puducherry Electricity Department is filing the True-up for FY 2022-23 and APR for FY 2023-24 along with ARR and determination of tariff for FY 2024-25.

2.1 True-up for FY 2022-23

2.1.1 As specified in the JERC MYT Regulations 2021, the Hon'ble Commission shall undertake the truing-up exercise for the previous year based on audited accounts. In the current petition, figures of FY 2022-23 are made available for True-up with the details of ARR specified in the relevant chapter of this petition.

2.2 Annual Performance Review for FY 2023-24

2.2.1 As specified in the JERC MYT Regulations 2021, the Hon'ble Commission shall undertake the Annual Performance Review by considering variations between the approved and revised estimates/pre-actual of sale of electricity, income and expenditure for the relevant year.

2.2.2 PED is filing this Annual Performance Review petition for the year FY 2023-24 based on the approved figures in the Business Plan and the last Tariff Order with modifications in certain components based on the present status.

2.3 Revised ARR Petition and Tariff Determination for FY 2024-25

2.3.1 The Joint Electricity Regulatory Commission had notified the JERC (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2021, on 22nd March 2021.

2.3.2 As per Clause 9 of the JERC MYT Regulations 2021, PED is filing this petition for the approval Tariff for FY 2024-25 in line with the JERC MYT Regulations 2021. The projections are based on the norms specified in the Regulations, and on the past performance, wherever required and considering expected changes in each element of cost and revenue for the ensuing control period. PED has studied the previous trends and taken cognisance of other internal and external developments to estimate the likely performance for the said period.

2.3.3 The subsequent sections of the petition provides projection for various expenses, the proposed investment plan for the control period and the expected revenue projections with existing tariff based on the tariff notifications in force in the area of supply of PED.

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2.3.4 Projections of various cost components required for determination of Aggregate Revenue Requirement for the control period along with the rationale for estimation of such cost is covered in the subsequent section. Further, the philosophy adopted by PED for projecting power purchase cost has also been elucidated in the respective sections.

2.4 Norms for Projection

2.4.1 PED is filing this petition in line with the norms and principles enumerated by Hon'ble Commission in the JERC MYT Regulations 2021.

2.4.2 For True-up of FY 2022-23, the petition has been prepared in line with the financial statements and actual figures available with the department. The projections for the FY 2024-25 have been adopted based on the JERC MYT regulations 2021.

2.4.3 True-Up for FY 2022-23, APR for FY 2023-24 and ARR for FY 2024-25 have been carried out separately and details of the same are presented separately.

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CHAPTER 3. TRUE UP OF FY 2022-23

3.1 Preamble

3.1.1 This section outlines the performance of Puducherry Electricity Department (PED) for FY 2022-23. PED had filed a petition for ARR of the 3rd control period and determination of tariff for FY 2022-23 before the Hon'ble Commission on December 2021. The Hon'ble Commission after undertaking a thorough analysis had issued the Tariff Order for FY 2022-23 on 31st March, 2022. The Hon'ble Commission had issued the Tariff Order for True-up for FY 2021-22, Annual Performance Review for FY 2022-23 and Aggregate Revenue Requirement (ARR) and Determination of Retail Tariff for the FY 2023-24 on 30th March, 2023.

3.1.2 This chapter summarizes each of the components of True-up for FY 2022-23 and thereby working out the revenue gap for that year.

3.2 Number of Consumers

3.2.1 PED submits before the Hon'ble Commission the actual consumer numbers for FY 2022-23 in comparison of the approved numbers below:

Table 3-1: Details of No. of Consumers for FY 2022-23

No	Particulars	Approved in Tariff Order	Actual
1	Domestic	3,80,469	3,79,088
2	OHOB	8,248	2,528
3	Commercial	58,143	59,005
4	Agriculture	7,081	7,109
5	Public Lighting	51,612	51,844
6	LT Industrial & Water Tank	4,430	4,425
	Total LT	5,09,983	5,01,471
7	HT 1 Industrial & Commercial	465	440
8	HT 2 Government & Water Tank	67	72
9	HT 3 EHT	8	11
	Total HT	540	523
	TOTAL LT & HT	5,10,523	5,04,522

3.2.2 It is requested to Hon'ble Commission to consider the number of consumers as submitted in the above table for FY 2022-23.

3.3 Energy Sales

3.3.1 The total sales of PED for FY 2022-23 are 2,908.14MUs. The category wise actual and approved sales for FY 2022-23 are shown in the table below.

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Table3-2: Sales (MUs) for FY 2022-23

No	Particulars	Approved in Tariff Order	Actuals
1	Domestic	823.85	780.40
2	OHOB	3.62	1.59
3	Commercial	178.81	206.64
4	Agriculture	61.75	59.34
5	Public Lighting	19.95	18.23
6	LT Industrial & Water Tank	173.47	164.92
7	Temp. LT	3.93	2.78
	Total LT	1265.38	1,233.89
8	HT 1 Industrial & Commercial	923.40	980.98
9	HT 2 Government & Water Tank	58.78	62.68
10	HT 3 EHT	591.19	630.59
	Total HT	1573.37	1,674.25
	Total Sales	2,838.75	2,908.14

3.3.2 Based on the above submission PED requests the Hon'ble Commission to approve the actual sales for FY 2022-23 as stated in the table above.

3.4 Distribution Loss & Energy Requirement

3.4.1 The Hon'ble Commission had approved energy loss of 11.00% in FY 2022-23 tariff order. PED submits the actual energy loss for FY 2022-23 as 10.88%. Energy balance based on the actual sales, power purchase and distribution losses are given in the table below:

Table 3-3: Distribution Loss and Energy Balance for FY 2022-23(MU)

S. No.	Particulars	FY 2022-23 Actuals
A)	Energy Requirement	
1	Total Sales within the UT	2,908.140
2	Energy Drawal by TANGEDCO	0
3	Sales to Electricity Traders / Power Exchange	
4	Sale to Open access Consumers	
5	Total Sales	2,908.140
6	T&D Losses within UT Periphery	
A	T&D Loss within UT Periphery (%)	10.88%
B	T&D Loss within UT Periphery(MU)	355.00
7	Total Energy Requirement	3,263.92


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S. No.	Particulars	FY 2022-23 Actuals
B)	Energy Availability	
1	Net Power Purchase (ex Bus)	2,952.84
2	Own Generation (PPCL+ Renewable)	536.00
3	Power purchase from Common Pool / UI-overdrawal / Traders / Exchange / Others	34.92
4	UI Underdrawal	149.74
5	Open Access Power Purchase at periphery	
6	Net Power Purchased (1+2+3-4+5)	3,374.02
7	Interstate Transmission Losses	110.10
	Interstate Transmission Losses (%)	3.26%
8	Total Energy Availability (4-5-6)	3,263.92
9	Deficit/(Surplus)	0.00

3.4.2 It is submitted that despite substantial capitalisation in the current year, R&M expenses were on lower side which are necessary for regular upkeep of the assets. The capitalisation of assets during the year will assist PED in consumer growth as well as for maintaining T&D loss at current level.

3.4.3 PED submits that in comparison with the approved figures, actual T&D losses are higher due to above mentioned reasons and therefore request the Hon'ble Commission to approve the Distribution Loss of 10.88% for FY 2022-23.

3.4.4 Further, the Transmission/PGCIL Losses of 3.26% for FY 2022-23 may be approved by the Hon'ble Commission.

3.5 Power Purchase Quantum & Cost for FY 2022-23

3.5.1 PED meets its total energy requirement from its allocation from the Central Generating Stations (CGS) and state utilities and PPCL. PPCL is a generating company within the UT of Puducherry catering to the partial requirement of Karaikal region.

3.5.2 The table below shows the summary of actual Power Purchase from various sources along with their costs for FY 2022-23 including Transmission Charges, UI charges and purchase from traders.

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Table 3-4: Power Purchase Quantum & Cost for FY 2022-23

S. No.	Particulars	Approved (FY 2022-23)			Actuals (FY 2022-23)		
		Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)	Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)
1	NTPC	1013.51	375.41	3.70	1012.85	449.50	4.44
2	NTPL	103.29	68.83	6.66	97.06	72.83	7.50
3	NLC	538.43	207.34	3.85	591.10	255.09	4.32
4	PPCL	196.24	153.46	7.82	220.70	206.54	9.36
5	KAIGA	252.39	87.96	3.49	263.95	92.72	3.51
6	NTPC - MAPS	23.35	5.61	2.4	25.53	6.59	2.58
7	NTECL	66.3	51.72	7.8	94.61	58.64	6.20
8	KKNP	292.98	103.92	3.55	478.95	209.56	4.38
9	NNTPS	385.15	157.87	4.1	388.33	177.44	4.56
10	KSEB					0.02	
11	NTPC Solar	280.45	70.39	2.51	207.78	55.27	2.66
12	SECI Wind	137.56	39.07	2.84	107.55	29.38	2.73
13	UI Charges	-38.28	-24.65			2.05	
14	IEX Purchase / Sale	5.12	2.15	4.19			
15	Open market						
16	OA Power purchase/ (Sale)						
17	PGCIL (POC + Non POC Charges)		176.79			247.69	
18	SRLDC Charges					0.52	
19	SRPC & RPO					0.12	
20	BANK CHARGES					1.65	
21	EESL					3.60	
22	Total Power Purchase Cost	3,256.49	1,475.87	4.53	3488.40	1849.06	5.30
23	URS Income					33.24	
24	UI/DSM Charges					40.85	
25	RARS Charges					6.49	
26							
27	Sub-total (Additional Income)					80.58	
28	Net Power Purchase Cost					1788.60	

3.5.3 Accordingly, Hon'ble Commission is requested to approve Rs.1788.60Cr for

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FY 2022-23 as power purchase cost incurred during the year, as per the Financial Accounts of FY 2022-23.

3.6 Renewable Purchase Obligation FY 2022-23

- 3.6.1 As per Regulation 1, Sub-regulation (1) of the JERC for the State of Goa and UTs (Procurement of Renewable Energy) Regulations, 2010

"Each distribution licensee shall purchase electricity (in kWh) from renewable energy sources, at a defined minimum percentage of the total consumption of all the consumers in its area during a year."

- 3.6.2 The Commission has approved the RPO targets, according to which the Petitioner had to purchase 18.35% of its total consumption (9.00% from Solar and 9.35% from Non-Solar) from renewable sources for the FY 2022-23.

- 3.6.3 Based on the above, the PED has computed the cumulative RPO compliance and the pending backlog at the end of the FY 2022-23 as shown in the following table:

Table 3-5: Renewable Purchase Obligation for FY 2022-23

S.No	Description	Unit	FY 2022-23
1	Sales Within State	MUs	2908.14
2	RPO Obligation	%	18.35%
	- Solar	%	9.00%
	- Non-Solar	%	9.35%
3	RPO Obligation	MUs	533.64
	- Solar	MUs	261.73
	- Non-Solar	MUs	271.91
4	RPO Purchase	MUs	369.48
	Physical Power		
	- Solar	MUs	261.93
	- Non-Solar	MUs	107.55
	Renewable Energy Certificate		
	- Solar	MUs	-
	- Non-Solar	MUs	-
5	Cumulative RPO Obligation		
	- Solar	MUs	629.74
	- Non-Solar	MUs	936.20

3.7 Operation & Maintenance Expenses:

- 3.7.1 As per Regulation 61 of JERC MYT Regulations, 2021, the Hon'ble Commission shall stipulate separate trajectory of norms for each component of O&M expenses.

"61 Operation and Maintenance (O&M) expenses for Retail Supply Business

61.1 The Operation and Maintenance Expenses for the Retail Supply Business shall be computed in accordance with this Regulation.

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61.2 O&M Expenses shall comprise of the following:

- a) Employee expenses - salaries, wages, pension contribution and other employee costs;
- b) Administrative and General expenses including insurance charges if any; and
- c) Repairs and Maintenance expenses.

61.3 The Licensee shall submit the required O&M expenses for the Control Period as a part of MultiYear Tariff Petition. O&M expenses for the base Year shall be approved by the Commission taking into account the latest available audited accounts, business plan filed by the Distribution Licensee, estimates of the actuals for the Base Year, prudence check and any other factors considered appropriate by the Commission.

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

$$O\&M_n = (R\&M_n + EMP_n + A\&G_n) \times (1 - X_n) + \text{Terminal Liabilities}$$

Where,

$$R\&M_n = K \times GF_{An-1} \times (1 + WPI_{inflation})$$

$$EMP_n = (EMP_{n-1}) \times (1 + G_n) \times (1 + CPI_{inflation})$$

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

'K' is a constant (expressed in %). Value of K for each Year of the Control Period shall be determined by the Commission in the Multi Year Tariff Order based on Licensee's filing, benchmarking of repair and maintenance expenses, approved repair and maintenance expenses vis-à-vis GFA approved by the Commission in past and any other factor considered appropriate by the Commission;

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

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

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

A&G_n – Administrative and General expenses of the Distribution Licensee for the nth Year;

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

GF_{An-1} – Gross Fixed Asset of the Distribution Licensee for the n-1th Year;

X_n is an efficiency factor for nth Year. Value of X_n shall be determined by the Commission in the Multi Year Tariff Order based on Licensee's filing, benchmarking, approved cost by the Commission in past and any other factor the Commission feels appropriate;

G_n is a growth factor for the nth Year. Value of G_n shall be determined by the Commission for each Year in the Multi Year Tariff Order for meeting the additional manpower requirement based on Licensee's filings, benchmarking, approved cost

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by the Commission in past and any other factor that the Commission feels appropriate:

Provided that in case the Licensee has been in operation for less than three (3) Years as on the date of effectiveness of these Regulations, the O&M Expenses shall be determined on a case to case basis.

61.5 Terminal liabilities of employees of 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.

61.6 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 true 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.

Provided that at the time of true up, the variation in the normative and actual O&M expenses shall be dealt in accordance with Regulation 15."

3.7.2 Employee Expenses: PED has computed the O&M (Employee) expense for FY 2022-23 based on the actual employee expenses incurred during the entire year.

3.7.2.1 The employee cost incurred during the year for FY 2022-23 is Rs 144.42 Crore.

Table 3-6: Employee Expenses for FY 2022-23 (Rs. Cr)

Particulars	Approved by Commission (FY 2022-23)	Actuals (FY 2022-23)
Salary	128.93	147.15
Wages		1.02
Stipend		1.39
Overtime Payment		0.97
Less: Departmental Charges		0.84
Less: Salary Costs Capitalized		14.85
Net amount		
Add: Amount Payable at end of the year		
Total Employee Expenses for PED	128.93	134.83

3.7.2.2 PED submits that it has been able to identify the cost of employees involved towards maintenance of other Govt. Departments and has accordingly deducted the cost of Rs. 0.84 Cr from the employee Expenses. Further, an amount of Rs. 14.85 Cr has been capitalized from the employee expenses during the year FY 2022-23.

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3.7.2.3 Accordingly, PED requests the Hon'ble Commission to kindly approve the actual net cost of Rs 134.83Cr towards employee expenses during the year for FY 2022-23.

3.7.3 **Repairs & Maintenance Expenses:** The repairs and maintenance cost has been claimed as per expenses actually incurred during FY 2022-23.

Table 3-7: R&M Expenses for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved by Commission (FY 2022-23)	Actuals (FY 2022-23)
1	R&M Expenses	9.87	15.00

3.7.3.1 As seen from the table above R&M expenses incurred actually for FY 2022-23 were marginally higher than the approved level.

3.7.3.2 PED submits that R&M expenses are necessary for maintenance of infrastructure and for ensuring proper Standard of Performance of the utility. PED therefore requests the Hon'ble Commission to approve Rs.15.00Cr for FY 2022-23 towards R&M expenses.

3.7.4 **Administration & General expenses:** The administrative expense mainly comprise of rents, professional charges, office expenses, etc. The total A&G expenses incurred by the petitioner for FY 2022-23 are shown in the table below.

Table 3-8 A&G Expenses for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved by Commission (FY 2022-23)	Actuals (FY 2022-23)
1	A & G Expenses	18.53	14.55

3.7.4.1 The Hon'ble Commission is therefore requested to approve the A&G expenses of Rs.14.55Cr for FY 2022-23.

3.7.5 **O&M Expenses Summary:** The actual O&M expenses for the year FY 2022-23 are summarised below:

Table 3-9: O&M Expenses for FY 2022-23 (Rs. Cr)

Summary of O&M Expenses for FY 2022-23		
Particulars	Approved by Commission (FY 2022-23)	Actual
A&G Costs	18.53	14.55
R&M Expenses	9.87	15.00
Employee Cost	128.93	134.83

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Summary of O&M Expenses for FY 2022-23		
Particulars	Approved by Commission (FY 2022-23)	Actual
Total O&M Expenses for the purpose of sharing of Gains/Losses	157.33	164.38
Add: Additional expenses due to Statutory/ Change in Law payments		-
Total O&M Expenses	157.33	164.38

3.7.6 The Hon'ble Commission is requested to approve the O&M Expenses of Rs.164.38Cr for FY 2022-23 as shown in the table above. The details of O&M expense for FY 2022-23 are provided in the Formats 18 (A), 19&20 of the Tariff Filing Formats.

3.8 Capital Work in Progress, GFA and Depreciation

3.8.1 **GFA:** The Opening Balance of GFA for FY 2022-23 comes to around Rs.1029.53Cr as per the financial statements for FY 2022-23. The following table shows the opening balance, additions and closing balance of GFA for FY 2022-23.

Table 3-10: GFA for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved by commission (FY 2022-23)	Actuals (FY 2022-23)
1	Opening value of the assets at the beginning of the year	1029.53	1029.53
2	Additions during the year	12.04	10.30
3	Less: Grant Provided by GOI	0.00	0.00
4	Value of assets sold/disposed off	7.22	0.00
5	Gross Fixed Assets at the end of the year	1034.35	1039.83

3.8.2 PED submits that GFA addition during FY 2022-23 is Rs.10.30Cr. For the purpose of ARR, GFA, ROE, Interest on Loan and Depreciation calculation in this petition, the consumer contribution/grant has not been considered. Accordingly, GFA addition during the year considered and claimed is Rs.10.30Cr.

3.8.3 PED hereby requests the Hon'ble Commission to approve the actual Gross Fixed Assets opening and additions as submitted above for FY 2022-23.

3.8.4 **Depreciation:** The depreciation rates as specified by CERC have been adopted for calculation of depreciation on different asset categories in accordance with the Regulation 31 of the JERC MYT Regulations, 2021 while computing the normative depreciation.

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3.8.5 Regulation 31 of the JERC MYT Regulations, 2021 stipulates the following:

"31. Depreciation

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

31.2 The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to a maximum of 90% of the capital cost of the asset.

Provided further that the salvage value of Information Technology equipment and computer software shall be considered at zero (0) per cent of the allowable capital cost.

31.3 Land other than the land held under lease shall not be a depreciable asset and its cost shall be excluded from the capital cost while computing depreciable value of the assets.

31.4 In case of existing assets, the balance depreciable value as on April 1, 2022, shall be worked out by deducting the cumulative depreciation as admitted by the Commission up to March 31, 2021, from the gross depreciable value of the assets.

31.5 The depreciation shall be chargeable from the first Year of commercial operations. In case of projected commercial operation of the assets during the Year, depreciation shall be computed based on the average of opening and closing value of assets:

Provided that depreciation shall be re-calculated during true-up for assets capitalised at the time of true-up of each Year of the Control Period, based on documentary evidence of assets capitalised by the Applicant, subject to the prudence check of the Commission.

31.6 For Transmission Licensee, the depreciation shall be calculated at rates and norms specified in the prevalent CERC Tariff Regulations for transmission system.

31.7 The depreciation for a Distribution Licensee shall be calculated annually, based on the Straight Line Method, over the Useful Life of the asset at rates specified in Appendix I of these Regulations.

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31.8 In addition to allowable depreciation, the Distribution Licensee shall be entitled to advance against depreciation (AAD), computed in the manner given hereunder:

AAD = Loan (raised for capital expenditure) repayment amount based on loan repayment tenure, subject to a ceiling of 1/10th of loan amount minus depreciation as calculated on the basis of these Regulations:

Provided that advance against depreciation shall be permitted only if the cumulative repayment upto a particular Year exceeds the cumulative depreciation upto that Year:

Provided further that advance against depreciation in a Year shall be restricted to the extent of difference between cumulative repayment and cumulative depreciation upto that Year.

31.9 The Distribution Licensee shall provide the list of assets added during each Year of Control Period and list of assets completing 90% of depreciation in the Year along with Petition for annual performance review, true-up and tariff determination for ensuing Year.

31.10 The remaining depreciable value for a Distribution Licensee shall be spread over the balance useful life of the asset, on repayment of the entire loan."

3.8.6 The rates of depreciation for various assets as used are tabulated below:

Table 3-11: Rate of Depreciation applicable for various assets

Description of Assets	Rate of Depreciation
Land & Land Rights	0.00%
Buildings	1.80%
Plant & Machinery	3.60%
Transformer	3.60%
Lines & Cables (HT & LT)	3.60%
Vehicles	18.00%
Furniture & Fixtures	6.00%
Office Equipment	6.00%
IT Equipment	6.00%
Testing & Measuring Equipment	6.00%
SCADA P&M	6.00%
SCADA building	6.00%

3.8.1 Based on above class-wise depreciation rates weighted average depreciation rate of 3.70% has been arrived on average GFA for FY 2022-23 and the depreciation calculated as per JERC MYT Regulations, 2021 works out to be Rs. 38.33Cr. However, the Commission has considered the book depreciation as per Audited Account for FY 2020-21, even though the asset -wise depreciation rate has been

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considered as per JERC MYT Regulations, 2018, while computing book depreciation.

- 3.8.2 The Hon'ble Commission is requested to approve Rs.25.24Cr of depreciation as per audited accounts for FY 2022-23.

3.9 Interest & Finance Charge

- 3.9.1 As per regulation 29 of JERCMYT Regulations, 2021,

"Interest on Loan

29.1 The loans arrived at in the manner indicated in Regulation 27 on the assets put to use, shall be considered as gross normative loan for calculation of interest on the loan:

Provided that interest and finance charges on capital works in progress shall be excluded:

Provided further that in case of De-capitalisation or retirement or replacement of assets, the loan capital shall be reduced to the extent of outstanding loan component of the original cost of the decapitalized or retired or replaced assets, based on documentary evidence.

29.2 The normative loan outstanding as on April 1, 2022, shall be worked out by deducting the cumulative repayment as admitted by the Commission up to March 31, 2021, from the gross normative loan.

29.3 Notwithstanding any moratorium period availed by the Transmission Licensee or the Distribution Licensee, as the case may be, the repayment of loan shall be considered from the first Year of commercial operation of the project and shall be equal to the annual depreciation allowed in accordance with Regulation 31.

29.4 The rate of interest shall be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each Year applicable to the Transmission Licensee or the Distribution Licensee:

Provided that at the time of truing up, the weighted average rate of interest calculated on the basis of the actual loan portfolio during the Year applicable to the Transmission Licensee or the Distribution Licensee shall be considered as the rate of interest after prudence check:

Provided also that if there is no actual loan for a particular Year but normative loan is still outstanding, the last available weighted average rate of interest for the actual loan shall be considered:

Provided further that if the Transmission Licensee or the Distribution Licensee does not have actual loan, then 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 relevant Year plus 100 basis points shall be considered as the rate of interest for the purpose of allowing the interest on the normative loan.

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29.5 The interest on loan shall be calculated on the normative average loan of the Year by applying the weighted average rate of interest:

Provided that at the time of truing up, the normative average loan of the Year shall be considered on the basis of the actual asset capitalisation approved by the Commission for the Year.

29.6 For new loans proposed for each Financial Year of the Control Period, interest rate shall be considered as lower of (i) 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 maybe applicable as on 1st April of the relevant Year plus 100 basis points, and (ii) weighted average rate of interest proposed by the Distribution Licensee.

29.7 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.

29.8 The finance charges incurred for obtaining loans from financial institutions for any Year shall be allowed by the Commission at the time of Truing-up, subject to prudence check.

29.9 The excess interest during construction on account of time and/or cost overrun as compared to the approved completion schedule and capital cost or on account of excess drawal of the debt funds disproportionate to the actual requirement based on Scheme completion status, shall be allowed or disallowed partly or fully on a case to case basis, after prudence check by the Commission:

Provided that where the excess interest during construction is on account of delay attributable to an agency or contractor or supplier engaged by the Transmission or Distribution Licensee, any liquidated damages recovered from such agency or contractor or supplier shall be taken into account for computation of capital cost:

Provided further that the extent of liquidated damages to be considered shall depend on the amount of excess interest during construction that has been allowed by the Commission.

29.10 The Transmission Licensee or the Distribution Licensee, as the case may be, shall make every effort to re-finance the loan as long as it results in net savings on interest and in that event the costs associated with such re-financing shall be borne by the beneficiaries and the net savings shall be shared between the equally between the beneficiaries; i.e., the Transmission Licensee and the Distribution Licensee or the Distribution Licensee and the Consumers of Distribution Licensee.

29.11 Interest shall be allowed on the amount held as security deposit held in cash from Retail Consumers at the Bank Rate as on 1st April of the Financial Year in which the Petition is filed:

Provided that at the time of truing-up, the interest on the amount of security deposit for the Year shall be considered on the basis of the actual interest paid by the Licensee during the Year, subject to prudence check by the Commission."

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- 3.9.2 The Regulation 29 provides for Interest and Finance Charges on Loan. PED has submitted that the majority of capital assets are created out of the equity contribution from Government of Puducherry. Thus, PED has been claiming interest charges based on normative loan calculation. The Interest and Finance Charges arrived is based on normative loan considered to the extent of capitalization during the year. The table below shows the Interest and Finance Charges vis-a-vis approved by the Hon'ble Commission for FY 2022-23.

Table 3-12: Interest & Finance Charges for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved	Actuals
1	Opening Normative Loan	194.81	194.81
2	Add: Normative Loan during the Year	3.37	7.21
3	Less: Normative Repayment	37.90	25.23
4	Closing Normative Loan	160.28	176.79
5	Average Normative Loan	177.55	185.80
6	Rate of Interest(@SBAR)	8.00%	8.00%
7	Interest on Normative Loan	14.20	14.86
8	Other Finance Charges	0.00	2.06
9	Total Interest and Finance Charges	14.20	16.93

- 3.9.3 It is submitted that PED has considered an addition of Rs.10.30Cr in the Gross Fixed Assets for FY 2022-23. 70% of balance asset addition is considered through normative debt. The rate of interest considered is prevailing Prime Lending Rate of the State Bank of India as on 1st April of that relevant year.
- 3.9.4 Along with the normative interest calculated and claimed in the table highlighted above, it is submitted that certain financial charges are also incurred by the department which are related to charges claimed by the bank charges, finance charges, L/C., etc. which are claimed along with the interest.
- 3.9.5 PED requests the Hon'ble Commission to approve the Interest & Finance Charges of Rs. 16.93Cr for FY 2022-23 as shown in the table above. The details of Interest & Finance charges are provided in Format 12A of the Tariff Filing Formats.

3.10 Interest on Working Capital

- 3.10.1 The Petitioner has calculated the normative interest on working capital for FY 2022-23 as per JERC MYT Regulations, 2021.
- 3.10.2 PED hereby submits that it has adopted the same methodology adopted by the Hon'ble Commission in the last tariff order for arriving at the working capital

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requirement.

3.10.3 The Interest on Working Capital approved by the Hon'ble Commission and claimed for FY 2022-23 is as shown in the table below.

Table 3-13: Interest on Working Capital for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved	Actuals
1	Two Months Receivable	286.62	288.62
2	O&M Expense - 1 month	13.11	13.57
3	Maintenance Spare @ 40% of R&M Exp - one month	0.33	0.50
4	Less: Amount held as Security Deposit	238.95	240.09
5	Total	(61.88)	62.73
6	Interest Rate	9.00%	9.00%
7	Interest on working capital	0.00	5.65

3.10.4 The Interest on Working Capital approved by the Hon'ble Commission for the FY 2022-23 was Nil. Based on the actuals for FY 2022-23, the interest on working capital works out to be Rs.5.65Cr.

3.11 Security Deposits

3.11.1 Interest on Security Deposits has been calculated in accordance with the JERC MYT Regulations, 2021 based on the average of opening and closing consumer security deposits during the year. The opening security deposit has been derived based on the closing security deposit as approved in the True-up of FY 2021-22. The rate of interest has been considered equivalent to the prevailing RBI Bank rate. The table below provides the calculation of interest on consumer security deposits for the year.

Table 3-14: Interest on Security Deposit for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved	Actuals
1	Opening Security Deposit	232.54	232.54
2	Add: Deposits during the year	12.81	15.45
3	Less: Deposits refunded	0.00	0.34
4	Less: Deposits in the form of BG/FDR	0.00	0.00
5	Closing Security Deposit	245.35	247.65
6	Average Security Deposit	238.95	240.09
7	Bank Rate	4.25%	4.25%
8	Interest on Security Deposit	10.16	10.20
9	Interest on Security Paid to Consumers		6.21

3.11.2 The normative Interest on Security Deposit of Rs.10.20Cr payable for FY 2022-23 as

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showcased in the table above. However, it is submitted that the actual interest paid to the consumers in FY 2022-23 is Rs. 6.21Cr and the balance is proposed to be paid in the subsequent years. The Hon'ble Commission is requested to approve the Interest on Security Deposit of Rs.6.21Cr actually paid as shown in the table above and balance to be approved on actual payment basis in future.

3.12 Provision for Bad Debts

3.12.1 The petitioner is not claiming any provision for bad debts in for the FY 2022-23 i.e., NIL and requests the Hon'ble Commission to consider the same. As provision for bad debt is allowable in ARR on the basis of actual written off bad debt.

3.13 Return on Equity

3.13.1 As per the JERC MYT Regulations 2021, RoE is allowed @16% on 30% of the capital base or actual equity, whichever is lower. However, assets funded by consumer contribution, capital subsidies/grants and corresponding depreciation shall not form part of the capital base.

3.13.2 RoE has been calculated on normative basis on the average of opening and closing of equity during the year at the rate of 16% (on post-tax basis) with an opening equity considered equivalent to the closing equity of FY 2021-22 as approved in the True-up.

3.13.3 Further, an equity addition in FY 2022-23 equal to 30% of asset capitalized in FY 2022-23 has been considered.

3.13.4 In line with the JERC MYT regulation, 2021 and the methodology adopted in the previous tariff order, PED has calculated the Return on Equity as outlined in the following table for FY 2022-23.

Table 3-15: Return on Equity for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved	Actuals
1	Opening Equity Amount	308.86	308.86
2	Equity Addition during year (30% of Capitalization)	1.44	3.09
3	Closing Equity Amount	310.30	311.95
4	Average Equity Amount	309.58	310.41
5	Average Equity-Wires Business	278.62	279.36
6	Average Equity (Retail Supply Business)	30.96	31.04
7	Return on Equity for Wires Business (%)	15.50%	15.5%
8	Return on Equity for Retail Supply Business	16.00%	16.0%

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S. No.	Particulars	Approved	Actuals
	(%)		
9	Return on Equity for Wires Business	43.19	43.30
10	Return on Equity for Retail Supply Business	4.95	4.97
11	Total Return on Equity	48.14	48.27

3.13.5 In view of above, the Hon'ble Commission is requested to kindly allow the above Return on Equity of Rs.48.27 Cr for FY 2022-23.

3.14 Non-Tariff Income

3.14.1 The Non-Tariff Income comprises metering, interest on staff loans, income from trading, reconnection fee, UI sales/ Sales to Exchanges and miscellaneous income among others. The Non-Tariff Income approved by the Hon'ble Commission in the APR for FY 2022-23 was Rs. 23.93Cr.

3.14.2 The Non-Tariff Income for FY 2022-23 are as per actual is Rs.9.26 Cr. The details of non-tariff income (excluding revenue from UI power and other income) for FY 2022-23 includes Interest Income on Margin Money Deposit with Bank and Other receipts.

3.14.3 In view of above, the Hon'ble Commission is requested to kindly allow Non-Tariff Income of Rs.9.26 Cr for FY 2022-23.

3.15 Revenue from Sale of Power at Existing Tariff

3.15.1 The Revenue from Tariff for FY 2022-23 was Rs.1,731.75Cr. The actual revenue earned from tariffs for FY 2022-23 is shown in the table below:

Table 3-16: Revenue from Tariff for FY 2022-23

S. No.	Particulars	Sales (MUs)	Revenue (Rs.Cr)
LT Category			
1	Domestic & Life line services	781.99	306.78
2	Commercial	206.64	165.78
3	Agriculture	59.34	5.29
4	Public Lighting	18.23	20.6
5	LT Industrial & Water Tank	164.92	103.97
6	Temporary Supply - LT&HT	2.78	3.62
7	Total LT	1233.9	606.04
HT Category			
8	HT 1 Industrial / Commercial	980.98	655.46
9	HT 2 – Government	62.68	54.95
10	HT 3 – EHT–	630.59	361.78

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11	Total HT	1674.25	1072.19
12	Total LT and HT	2908.14	1668.51
13	BPSC Charges LT		39.6
14	BPSC Charges HT		1.71
15	Penal Charges		3.01
16	Consumption of this Financial Year's March billed in Next FY's April		123.16
17	Consumption of previous FY's March billed Current FY's in April		-113.96
18	Total	2908.14	1731.75

3.15.2 In view of above, PED requests the Hon'ble Commission to kindly allow Revenue of Rs.1,731.75Cr.

3.16 Aggregate Revenue Requirement for FY 2022-23

3.16.1 The Aggregate Revenue Requirement for FY 2022-23 as approved by the Hon'ble Commission was Rs. 1719.65Cr against which the ARR for FY 2022-23 on basis of actuals is Rs. 2048.60Cr. The calculation for Aggregate Revenue Requirement on the basis of actuals for FY 2022-23 is shown below:

Table 3-17: Calculation of ARR for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved by Commission	Claimed in True-up
1	Cost of power purchase	1475.86	1788.60
2	Employee Costs	128.93	134.83
3	Administration and General Expenses	18.53	14.55
4	R&M expenses	9.87	15.00
5	Depreciation	37.90	25.24
6	Interest & Finance Charges	14.20	16.93
7	Interest on CSD	10.16	10.20
8	Interest on Working Capital	0.00	5.65
10	Return on Equity	48.14	48.27
11	Provision for Bad Debt	0.00	0.00
12	Total Revenue Requirement	1743.58	2059.26
13	Less: Non- Tariff Income	23.93	9.26
14	Net Aggregate Revenue Requirement	1719.65	2050.00

3.16.2 The Petitioner hereby requests the Hon'ble Commission to approve the ARR of Rs.2050.00Cr for FY 2022-23 as submitted above.


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3.17 Revenue Gap for FY 2022-23

3.17.1 The Revenue surplus approved by the Hon'ble Commission for FY 2022-23 was Rs.96.64 Cr.

3.17.2 The Revenue Gap/(Surplus) as approved by the Hon'ble Commission and as calculated on the basis of actuals, for True up of FY 2022-23 is shown in the table below:

Table 3-18: Revenue Gap for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved	Actuals
1	Aggregate Revenue Requirement	1719.66	2050.00
2	Revenue from Sale of Power	1623.02	1731.75
3	Revenue Gap/ (Surplus) excluding Regulatory Surcharge	96.64	318.25

3.17.1 PED hereby requests Hon'ble Commission to approve the net Revenue gap of Rs.318.25Cr for FY 2022-23.

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CHAPTER 4. REVISED ANNUAL REVENUE REQUIREMENT FOR FY 2023-24

4.1 Background to FY 2023-24 Petition

4.1.1 PED had filed a petition for True-up for FY 2021-22 based on actual figures, along with Annual Performance review FY 2022-23 and revised Annual Revenue Requirement for FY 2023-24, before the Hon'ble Commission. Accordingly, the Hon'ble Commission had issued the Tariff Order for FY 2023-24 on 30th March, 2023.

4.1.2 This chapter summarizes each of the components of ARR for FY 2023-24 and requests the Hon'ble Commission to revise the Annual Revenue Requirement for FY 2023-24. The Revised Annual Revenue Requirement for FY 2023-24 has been prepared based on the estimated expenditures & revenue from sales for FY 2023-24 based on expected performance of PED, Business plan order given by the Commission for MYT period 2023-25, and Tariff order dated 31st March, 2022 where the Commission approved revised estimates for FY 2023-24, wherever applicable.

4.2 Number of Consumers

4.2.1 Based on the methodology followed by the Commission in the Business plan order for MYT 2023-25, the Commission approved the revised estimates for the base year FY 2023-24. The Commission had approved 5.23 lakh consumers for FY 2023-24. PED is submitting the revised estimates for FY 2023-24 in the current Petition. A comparison of the revised estimates with earlier approved numbers is shown below:

Table 4-1: Details of Number of Consumers for FY 2023-24

S. No.	Particulars	Approved	FY 2023-24 Revised Estimates
1	Domestic	391883	391883
2	OHOB	8248	2528
3	Commercial	59219	60868
4	Agriculture	7109	7110
5	Public Lighting	51844	54609
6	LT Industrial & Water Tank	4452	4500
7	Total LT	522755	521498
8	HT 1 Industrial & Commercial	470	485
9	HT 2 Government	69	73
10	HT 3 EHT	8	12
11	Total HT	547	570
12	Total LT and HT	523302	522068

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- 4.2.2 It is requested to the Hon'ble Commission to consider the revised number of consumers as submitted in the above table for FY 2023-24.

4.3 Energy Sales

- 4.3.1 The Commission approved sales of 2894.75 MUs in Tariff order for FY 2023-24. In the current petition for FY 2023-24, PED has considered the 4% increase in sales over the previous year FY 2022-23. The revised sales for FY 2023-24 are 3026.32 MUs. PED submits the revised sales figure for FY 2023-24.

Table 4-2: Sales for FY 2023-24 (MUs)

S. No.	Particulars	Approved in T.O.	FY 2023-24 Revised Estimates
1	Domestic	844.45	814.91
2	OHOB	3.62	1.58
3	Commercial	183.28	221.81
4	Agriculture	62.06	59.83
5	Public Lighting	19.95	18.22
6	LT Industrial & Water Tank	176.94	170.68
7	Temporary Supply - LT&HT	4.01	2.84
8	Total LT	1294.31	1289.86
9	HT 1 Industrial & Commercial	935.13	1008.60
10	HT 2 Government	62.30	65.80
11	HT 3 EHT	603.02	662.11
12	Total HT	1600.45	1736.51
13	Total LT and HT	2894.75	3026.32

- 4.3.2 It is requested to Hon'ble Commission to approve the revised sales of 3026.32 MUs for FY 2023-24.

4.4 Distribution Loss & Energy Requirement

- 4.4.1 The Hon'ble Commission had approved energy loss of 10.75% in the Business Plan for the third MYT control period FY 2022-23 to FY 2024-25 and subsequently in Tariff order dated 30th March 2023. PED has now considered the T & D loss of 10.75% for FY 2023-24. Energy balance based on revised estimate of sales and power purchase and are given in the table below –

Table 4-3: Distribution Loss and Energy Balance for FY 2023-24

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Sr. No.	Particulars	(Revised Estimates)
		FY 2023-24
A)	ENERGY REQUIREMENT	
1	Energy sales to metered category within the State	3,026.32
2	Energy exported to TANGEDCO	-
3	Total sales within the State	3,026.32
4	T&D Losses within UT Periphery (%)	10.75%
5	T&D Losses within UT Periphery (MU)	364.51
6	Energy required at Discom Periphery	3,390.83
B)	ENERGY AVAILABILITY	
1	Net Power Purchase (ex Bus)	2,945.75
2	Own Generation (PPCL)	218.09
3	Power Purchase from Renewable sources	713.81
4	Power purchase from Common Pool / UI-over drawl / Traders / Exchange / Others	0.17
5	UI Under drawl	400.00
6	Open Access Power Purchase at periphery	0.00
7	Net Power Purchased (1+2+3+4-5+6)	3,477.81
8	Inter State Transmission Losses	86.98
9	Inter State Transmission Losses (%)	2.50%
10	Total Energy Availability (7-8)	3,390.83
11	Deficit/(Surplus)	

4.4.2 PED submits that it has been achieving significant reduction in distribution losses and is having one of the lower T&D losses in India. These efforts shall be continued and will be enhanced. However, the loss reduction is a slow process after reaching at certain level and can happen after deployment of latest technological and advanced infrastructure developments are in place.

4.4.3 PED requests the Hon'ble Commission to approve the above Energy Balance for FY 2023-24. Further the Surplus power available shall be sold to exchange and the same has been adjusted in the Power Purchase cost.

4.5 Power Purchase Quantum

4.5.1 PED meets its total energy requirement from its allocation from the Central Generating Stations (CGS) and PPCL. PPCL is a generating company within the UT of Puducherry catering to the partial requirement of Karaikal region of PED. The details of power purchase quantum and cost are provided in Format 4 of the Regulatory Formats.

4.5.2 The actual power purchase quantum for H1 of FY 2023-24 is 2101.04 MU and power purchase cost of Rs.1030.02Cr. However, for the purpose of the estimation

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of purchase quantum for H2 for FY 2023-24, PED has considered the revised estimates based on the approved Distribution loss of 10.75% and Transmission loss 2.5% arriving at a Power Purchase quantum of 1376.73 MUs excluding sales on IEX. However, the per unit Cost of power purchase for each power source as per the estimated actual power purchase cost in FY 2023-24 H1 has been considered for estimating power purchase cost for FY 2023-24 H2.

4.5.3 PED further submits that the estimated transmission/PGCIL losses for FY 2023-24 are 2.50%. PED requests the Hon'ble Commission to approve the same.

4.5.4 Accordingly, the revised estimated power purchase quantum for FY 2023-24 is 3477.78MU.

4.6 Cost of Power Purchase for FY 2023-24

4.6.1 Power Purchase quantum for FY 2023-24: For the year FY 2023-24, PED has considered the revised estimates of power purchase quantum in line with the estimated actual power purchase quantum in FY 2023-24 H1 & based on the difference between the overall Power purchase estimated for FY 2023-24 i.e. 3477.78 MU.

4.6.1.1 PGCIL losses: PED submits that the estimated transmission/PGCIL losses for FY 2023-24 are 2.50%. PED requests the Hon'ble Commission to approve the same. For PPCL, the external losses have been considered as nil as they are within the periphery of the licensee area.

4.6.1.2 Transmission Charges: The petitioner has considered the actual transmission charges paid by the Petitioner for H1 FY 2022-23 in this Petition and has accordingly calculated the transmission charges for FY 2023-24 as a whole.

4.6.2 Renewable Purchase Obligations

4.6.2.1 As per JERC (Procurement of Renewable Energy) Regulations, 2010 clause 1 sub clause (1):

"Each distribution licensee shall purchase electricity (in kWh) from renewable energy sources, at a defined minimum percentage of the total consumption of all the consumers in its area during a year."

4.6.2.2 The Commission vide its MYT Order dated 31.3.2022 has defined the RPO trajectory for the Control period from FY 2023-24 to FY 2024-25.

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- 4.6.2.3 The Petitioner has to purchase a certain percentage of total energy purchase for sale to the consumers in its area from renewable energy sources with specific solar and non-solar RPO content.
- 4.6.2.4 The cumulative RPO obligation pending as on 1.4.2023 was 1575.88 MUs (629.74MUs Solar & 936.20MUs Non-Solar). The Total RPO Obligation for FY 2023-24 is 19.91%(i.e. 10.00%Solar & 9.91%Non-Solar) amounting to stand alone obligation of 602.54MUs for FY 2023-24 (302.63MUs Solar & 299.91MUs Non-Solar).
- 4.6.2.5 PED has tied up long term agreement with SECI for 290 MW of Renewable which consists of 50 MW of Solar Power and 240 MW of Wind Power. Further PED has also tied up with NTPC Solar for procurement of 100 MW solar power for 25 years. These tied up sources will enable PED to fulfil the cumulative backlog RPO. Since REC is mere a certificate which cannot cater load demand, buying REC would not be so economical as buying physical RE power which caters the actual load demand.

Table 4-4: RPO Compliance for FY 2023-24

S.No	Description	Unit	Previous year	Current Year
			FY 2022-23	FY 2023-24
1	Sales Within State	MUs	2909.92	3026.32
2	RPO Obligation	%	18.35%	19.91%
	- Solar	%	9.00%	10.00%
	- Non Solar	%	9.35%	9.91%
3	RPO Obligation	MUs	533.97	602.54
	- Solar	MUs	261.89	302.63
	- Non Solar	MUs	272.08	299.91
4	RPO Purchase	MUs	369.48	893.96
	Physical Power			
	- Solar	MUs	261.93	317.94
	- Non Solar	MUs	107.55	576.02
	Renewable Energy Certificate			
	- Solar	MUs	-	-
	- Non Solar	MUs	-	-
5	Cumulative RPO Obligation			
	- Solar	MUs	629.74	571.04
	- Non Solar	MUs	936.20	629.50

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4.6.2.6 As outlined in the above table, PED envisages to comply with the cumulative backlog RPO obligation for FY 2023-24 with the tied up RE sources. PED has installed capacity roof top solar of 26 MW within the UT and is in process of developing renewable (both solar & non-solar) power sources within the UT to meet its RPO obligation through physical renewable energy in future.

Table 4-5: Power Purchase Cost for FY 2023-24

S. No.	Particulars	Actuals (FY 2023-24) - H1			Revised Estimates (FY 2023-24) - H2			Revised Estimates (FY 2023-24) -		
		Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)	Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)	Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)
1	NTPC	661.53	301.43	4.56	559.57	220.29	3.94	1,221.11	521.72	4.27
2	NTPL	57.49	33.42	5.81	48.62	24.42	5.02	106.11	57.84	5.45
3	NLC	283.26	121.15	4.28	239.55	88.53	3.70	522.81	209.68	4.01
4	PPCL	118.16	136.40	11.54	99.92	99.68	9.98	218.09	236.08	10.82
5	KAIGA	122.73	43.18	3.52	103.79	31.56	3.04	226.52	74.74	3.30
6	NTPC - MAPS	7.61	1.96	2.58	6.44	1.43	2.22	14.04	3.39	2.41
7	NTECL	62.44	64.59	10.35	52.80	47.20	8.94	115.23	111.79	9.70
8	KKNP	213.20	91.61	4.30	180.30	66.95	3.71	393.49	158.56	4.03
9	NNTPS	187.70	122.38	6.52	158.73	89.44	5.63	346.43	211.82	6.11
10	KSEB	-	-	-	-	-	-	-	-	-
11	NTPC Solar	137.22	37.05	2.70	116.04	32.01	2.76	253.26	69.06	2.73
12	SECI Wind	249.53	78.09	3.13	211.01	58.50	2.77	460.54	136.59	2.97
13	CTUIL	0.17	102.76	-	-	68.74	-	0.17	171.50	-
14	IEX Purchase / Sale									
15	Open market									
16	OA Power purchase/ (Sale)									
17	PGCL (POC Charges)									
18	SRLDC Charges									
19	Total Power Purchase Cost	2,101.04	1,134.02	5.40	1,776.77	828.75	4.66	3,877.81	1,962.77	5.06
20	URS Income									
21	UI/DSM Charges									
22	RARS Charges		14.00							
23	Sale of Trading Material	192.00	90.00		208.00	90.00		400.00	194.00	4.85
24	Sub-total (Additional Income)									
25	Net Power Purchase Cost	1,909.04	1,030.02	5.40	1,568.77	738.75	4.71	3,477.81	1,768.76	5.09

4.6.3 The Petitioner hereby requests the Commission to approve the revised estimate of power purchase cost of Rs.1768.76Cr for FY 2023-24 as submitted above.

4.7 Operation & Maintenance Expenses

4.7.1 Operation & Maintenance Expenses consists of three elements viz Employee Expenses, A&G Expense and R&M Expense:

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- Employee expenses comprise of salaries, dearness allowance, bonus, terminal benefits in the form of pension & gratuity, leave encashment and staff welfare expenses
- Administrative expenses mainly comprise of rents, telephone and other communication expenses, professional charges, conveyance and travelling allowances and other debits.
- Repairs and Maintenance Expenses go towards the day-to-day upkeep of the distribution network of the Company and form an integral part of the Company's efforts towards reliable and quality power supply as well as in the reduction of losses in the system.

4.7.2 Employee Expenses:

4.7.2.1 The employee expenses for FY2023-24 were approved by the Hon'ble Commission in the Tariff Order dated 30th March, 2023 as Rs. 131.76 Cr.

4.7.2.2 PED has projected normative Employee Expenses for FY 2023-24 as Rs. 128.64Cr based on the relevant Regulations and methodology adopted by the Hon'ble Commission in the Tariff Order dated 30th March, 2023.

4.7.2.3 PED has considered the base year figures for the FY 2023-24 as per the actual incurred employee expense of Rs. 134.83Cr during FY 2022-23 and the same have been escalated by Growth Rate determined based on the manpower plan and the average CPI Inflation of the last three years to arrive upon the employee expenses of FY 2022-23.

4.7.2.4 PED has considered the average CPI Inflation of the last three years to arrive upon the employee expenses of FY 2023-24, as considered by the Commission in the previous Tariff Order for FY 2023-24 at 5.40%. The Computation of revised employee expenses are as shown in the below table:

Table 4-6: Computation of Employee Expenses for FY 2023-24

Particulars	FY 2023-24
Growth factor of (Gn) (%)	-9.48%
CPI (%) (3 previous years' avg.)	5.40%
Employee Expenses for FY 2022-23 (Rs. Cr)	134.83
Employee Expenses for FY 2023-24 (Rs. Cr)	128.64

4.7.2.5 PED requests the Hon'ble commission to kindly allow the above Employee Costs of Rs.128.64Cr for FY 2023-24, subject to true-up.

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4.7.3 Repairs& Maintenance Expenses:

4.7.3.1 The Repair & Maintenance expenses of Rs.10.71Cr for FY 2023-24 were approved by the Hon'ble Commission in the Tariff Order dated 30th March, 2023.

4.7.3.2 The petitioner submits that the normative R&M expenses are computed based on the relevant Regulations and methodology adopted by the Hon'ble Commission.

4.7.3.3 The K factor considered for computation of R&M expenses is 0.91% which is the average K factor computed for FY 2018-19, FY 2019-20 and FY 2020-21. The WPI for FY 2023-24 has been considered as 7.90%, which is average WPI for FY 2020-21, FY 2021-22 and FY 2022-23, as considered by the Commission in previous Tariff Order for FY 2023-24. Detailed computation of the R&M for FY 2023-24 is shown below.

Table 4-7: Computation R&M Expenses for FY 2023-24

Particulars	FY 2023-24
WPI Inflation (%)	7.90%
K factor (%)	0.91%
GFA-1 (Rs. Cr)	1039.83
R&M Expenses (Rs. Cr)	10.22

4.7.3.4 In view of the above, the Hon'ble Commission is requested to kindly allow the above Repair and Maintenance Expenses of Rs.10.22Cr for FY 2023-24, subject to true-up.

4.7.4 Administration & General expenses for FY 2023-24:

4.7.4.1 The Administration & General expenses of Rs. 19.62Cr for FY 2023-24 were approved by the Hon'ble Commission in the Tariff Order dated 30th March, 2023.

4.7.4.2 PED has considered the base year figures for the FY 2022-23 as per the actual incurred A&G expenses of Rs. 15.34Cr and the same have been escalated by Growth Rate determined based the average CPI Inflation of the last three years to arrive upon the employee expenses of FY 2023-24.

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4.7.4.3 The Computation of A&G expenses for FY 2023-24 is as shown in the below table:

Table 4-8: A&G Expenses for FY 2023-24 (Rs. Cr)

Particulars	FY 2023-24
A&Gn-1 (Rs. Cr)	14.55
CPI Inflation (%)	5.40%
A&G Expenses (Rs. Cr)	15.34

4.7.5 **O&M Expenses Summary FY 2023-24:** Based on the foregoing paragraphs, the revised O&M expenses for the year FY 2023-24 vis-a-vis the approved level by the Hon'ble Commission is shown in the table below:

Table 4-9: O&M Expenses for FY 2023-24(Rs. Cr)

Summary of O&M Expenses for FY 2023-24		
Particulars	Approved by commission	Revised Estimates
A&G Costs	19.62	15.34
R&M Expenses	10.71	10.22
Employee Cost	131.76	128.64
Total O&M Expenses	162.09	154.19

4.7.6 PED request the Hon'ble Commission to approve the O&M Expenses of Rs.154.19Cras shown in the table above subject to true-up.

4.8 Capital Work in Progress, GFA and Depreciation

4.8.1 GFA: The Opening Balance of GFA for FY 2023-24 works out to be Rs.1039.83Cr. The Hon'ble Commission, in the last tariff order had allowed Capitalization of Rs. 87.82Cr including grants of Rs. 52.69Cr.

4.8.2 PED has estimated the net additional capitalisation of Rs.35.13Cr for FY 2023-24 as approved by the Hon'ble Commission. Thus, the Petitioner requests the Hon'ble commission to approve the additions to GFA for FY 2023-24 of Rs.35.13Cras provided in the table below:

Table 4-10: GFA Revised Estimates for FY 2023-24 (Rs. Cr)

S. No.	Particulars	Approved by commission	Revised Estimates
1	Opening value of the assets at the beginning of the year	1034.35	1039.83
2	GFA Additions during the year	87.82	37.72
3	Grant Provided by GOI	52.69	2.59
4	Value of assets sold/disposed off		-
5	Gross Fixed Assets at the end of the year (Net of Grants)	1069.47	1074.96

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4.8.3 PED hereby requests the Hon'ble Commission to approve the revised estimates for Gross Fixed Assets as submitted above.

4.8.4 **Depreciation** :The Hon'ble Commission, in the last tariff order had allowed depreciation of Rs. 38.63Cr in line with the JERC MYT Regulations 2021 and the depreciation rates considered for calculation of depreciation on different asset categories in the MYT Order.

4.8.5 However, for FY 2022-23 the actual depreciation as per audited accounts of Rs. 25.24Cr is submitted for approval, which is significantly lower than the FY 2023-24 estimates as above. Hence, the depreciation for FY 2023-24 is computed escalating the FY 2022-23 actual depreciation by 4% at Rs. 26.25Cr.

4.8.6 As per the above, PED has calculated the depreciation for the year FY 2023-24 as Rs.26.25Cr. The table shows the working of depreciation.

Table 4-11: Depreciation for FY 2023-24 (Rs. Cr)

S. No.	Particulars	Approved by Commission	Revised Estimates
1	Net Depreciation for the year	38.63	26.25
2	Rationale	3.67% average depreciation rate	4% escalation on previous year

4.8.7 PED hereby requests the Commission to approve the revised estimates of depreciation as submitted above.

4.9 Interest & Finance Charge

4.9.1 The petitioner has estimated the Interest and Finance charges as per the JERC MYT Regulations, 2021 for the year FY 2023-24.

4.9.2 PED has submitted that most capital assets are created out of the equity contribution from Government of Puducherry and the actual borrowing of loan is only to the extent of the centrally funded power sector scheme. The table below shows the Interest and Finance Charges vis-a-vis approved by the Hon'ble Commission. The Interest and Finance Charges as per therevised estimates for FY 2023-24 is Rs.14.08Cr. The summary of Interest and Finance Charges as claimed by the petitioner and as approved by the Commission for FY 2023-24 along with revised estimates is tabulated below:

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Table 4-12: Interest & Finance Charges for FY 2023-24 (Rs. Cr)

S. No.	Particulars	Approved	Revised Estimates
1	Opening Normative Loan	160.28	176.79
2	Add: Normative Loan during the Year	24.59	24.59
3	Less: Normative Repayment	38.63	26.24
4	Closing Normative Loan	146.24	175.14
5	Average Normative Loan	153.26	175.96
6	Rate of Interest (@SBI 1 Year MCLR rate+100 Basis Points)	8.00%	8.00%
7	Interest on Normative Loan	12.26	14.08
8	Other Finance Charges	0.00	-
9	Total Interest and Finance Charges	12.26	14.08

4.9.3 It is submitted that PED has estimated an addition of Rs.35.13Crnet of grants in the Gross Fixed Assets for FY 2023-24, which are funded through normative debt to the tune of 70%. The rate of interest is considered as approved by the Hon'ble Commission in previous Tariff Order based on is one (1) Year State Bank of India (SBI) MCLR applicable as on 1st April, 2022 plus 100 basis points.

4.9.4 Along with the normative interest calculated and claimed in the table highlighted above, it is submitted that certain financial charges are also incurred by the department which are related to charges claimed by the bank charges, finance charges, etc. which are claimed along with the interest in Table above.

4.9.5 The Hon'ble Commission is requested to approve the Interest & Finance Charges at Rs.14.08Cr as shown in the table for FY 2023-24. The details of Interest & Finance charges are provided in Format 12A of the Tariff Filing Formats.

4.10 Interest on Working Capital

4.10.1 The petitioner has estimated the interest on working capital for FY 2023-24 as per JERC MYT Regulations, 2021.

4.10.2 PED hereby submits that it has adopted the same methodology adopted by the Hon'ble Commission in the last tariff order for arriving at the working capital requirement.

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4.10.3 The Interest on Working Capital approved by the Hon'ble Commission for the FY 2023-24 was Nil. On the basis of the revised estimates for FY 2023-24, the interest on working capital works out to be Rs.6.25Cr.

4.10.4 The interest rate has been considered as 9.00% (SBI 1 year MCLR applicable as on 1st April 2022 i.e. 7.00% + 200 basis points). The computation of interest on working capital is shown in the following table:

Table 4-13: Interest on Working Capital for FY 2023-24 (Rs. Cr)

S. No.	Particulars	Approved	Revised Estimates
1	Two Months Receivable	285.58	312.39
2	O&M Expense - 1 month	13.51	12.85
3	Maintenance Spare @ 40% of R&M Exp - one month	0.36	0.34
4	Less : Amount held as Security Deposit	253.06	225.58
	Less: Power Purchase cost for one (1) month	123.38	
5	Total	(77.00)	69.43
6	Interest Rate (%)	9.00%	9.00%
7	Interest on working capital	0.00	6.25

4.10.5 PED requests the Hon'ble Commission to approve the Interest on Working Capital of Rs.6.25 Cr as shown in the table above.

4.11 Security Deposits

4.11.1 The prevailing Bank rate is considered as notified by Reserve Bank of India with effect from 1st April of the relevant financial year for estimating the normative interest on Security Deposits for FY 2023-24.

Table 4-14: Interest on Security Deposit for FY 2023-24 (Rs. Cr)

S. No.	Particulars	Approved	Revised Estimates
1	Opening Security Deposit	245.35	247.65
2	Add: Deposits during the year	28.61	17.00
3	Less: Deposits refunded	13.19	-
4	Closing Security Deposit	260.77	264.65
5	Bank Rate	4.25%	4.25%
6	Interest on Security Deposit	10.76	10.89

4.11.2 The Hon'ble Commission is requested to approve the Interest on Security Deposit of Rs.10.89Cr as shown in the table above which is expected to be paid during the

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year.

4.12 Provision for bad debts

4.12.1 PED is not claiming any provision for bad & doubtful debts in the ARR of FY 2023-24 for pass through in tariff to consumers and may consider during true-up of the FY 2023-24 as per audited financial statements.

4.12.2 The Hon'ble Commission is requested to kindly approve the same.

4.13 Return on Equity

4.13.1 The JERC MYT Regulations 2021 provides for entitlement for Return on Equity. As per the regulations, RoE is allowed @16% on 30% of the capital base or actual equity, whichever is lower. However, assets funded by consumer contribution, capital subsidies/grants and corresponding depreciation shall not form part of the capital base.

4.13.2 In line with the methodology adopted by the Hon'ble Commission in previous tariff orders, the capital base for closing of the FY 2022-23 as per the last chapter is considered. Further, an equity addition in FY 2023-24 equal to 30% of estimated assets to be capitalized in FY 2023-24 has been considered.

4.13.3 In line with the JERC MYT regulation 2021 and the methodology adopted in the previous tariff order, PED has calculated the Return on Equity as outlined in the following table for FY 2023-24.

Table 4-15: Return on Equity for FY 2023-24 (Rs. Cr)

S. No.	Particulars	Approved	Revised Estimates
1	Opening Equity Amount	310.30	311.95
2	Equity Addition during year (30% of Capitalization)	10.54	10.54
3	Closing Equity Amount	320.84	322.49
4	Average Equity Amount	315.57	317.22
5	Average Equity-Wires Business	284.02	285.50
6	Average Equity (Retail Supply Business)	31.56	31.72
7	Return on Equity for Wires Business (%)	15.50%	15.5%
8	Return on Equity for Retail Supply Business (%)	16.00%	16.0%
9	Return on Equity for Wires Business	44.02	44.25
10	Return on Equity for Retail Supply Business	5.05	5.08
11	Total Return on Equity	49.07	49.33

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4.13.4 In view of above, the Hon'ble Commission is requested to kindly allow the above Return on Equity of Rs.49.33Cr.

4.14 Non-Tariff Income

4.14.1 The Non-Tariff Income comprises of Testing charges, Service connection charges, Cancellation charges, Meter charges, income from trading of materials, reconnection fee, and miscellaneous income among others. The Non-Tariff Income approved by the Hon'ble Commission in the ARR for FY 2023-24 was Rs. 39.94Cr.

4.14.2 The Non-Tariff Income for FY 2023-24 is estimated of Rs.9.73Crescalating the FY 2022-23actuals by 5%. PED requests the Hon'ble Commission to approve the aforementioned Non-tariff Income for FY 2023-24.

4.15 Revenue from Sale of Power at Existing Tariff

4.15.1 The Revenue from Tariff for FY 2023-24 approved by the Hon'ble Commission was Rs. 1638.61Cr. The Revenue from Tariff for FY 2023-24as per the approved tariff for FY 2023-24with revised projections works out to be Rs. 1828.03Cr. The summary of Revenue from Tariff as claimed by PED in the ARR for FY 2023-24as per revised estimates for FY 2023-24, is tabulated below:

Table 4-16: Revenue from Tariff for FY 2023-24

S. No.	Particulars	Sales (MUs)	Revenue (Rs.Cr)
LT Category			
1	Domestic	814.91	318.9
2	OHOB	1.58	0.00
3	Commercial	221.81	187.63
4	Agriculture	59.83	-
5	Public Lighting	18.22	20.04
6	LT Industrial & Water Tank	170.68	121.77
7	Temporary Supply - LT&HT	2.84	
	Total LT	1289.86	648.34
HT Category			
9	HT 1 Industrial / Commercial	1008.60	691.69
10	HT 2 – Government	65.80	57.13
11	HT 3 – EHT	662.11	401.16
12	Total HT	1736.51	1149.97
13	Total LT and HT	3026.3	1798.32
14	FPPCA charges		76.00
15	BPSC Collected		
16	Regulatory Surcharge		
17	Total Revenue Excluding Regulatory Surcharge (13+14+15)		1874.32

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4.15.2 In view of above, the Hon'ble Commission is requested to kindly allow Revenue of Rs.1874.32Cr (excluding Regulatory Surcharge of 8%) for FY 2023-24.

4.16 Aggregate Revenue Requirement for FY 2023-24

4.16.1 The Aggregate Revenue Requirement for FY 2023-24 approved by the Hon'ble Commission in the Tariff order for FY 2023-24 was Rs.1713.46Cr. The calculation for Aggregate Revenue Requirement on the basis of revised estimates for FY 2023-24 is shown below:

Table 4-17: Calculation of ARR for FY 2023-24 (Rs. Cr)

S. No.	Particulars	Approved by Commission	Revised Estimates
1	Cost of power purchase	1,480.59	1768.76
2	Employee Costs	131.76	128.64
3	Administration and General Expenses	19.62	15.34
4	R&M expenses	10.71	10.22
5	Depreciation	38.63	26.25
6	Interest & Finance Charges	12.26	14.08
7	Interest on Working Capital	0.00	6.25
8	Interest on CSD	10.76	10.89
9	Return on Equity	49.07	49.33
10	Provision for Bad Debt	0.00	0.00
11	Total Revenue Requirement	1753.40	2029.74
12	Less: Non- Tariff Income	39.94	9.73
13	Net Aggregate Revenue Requirement	1713.46	2020.01

Table 4-18: Segregation of Wheeling and Supply Business FY 2023-24

Sr. No.	Item of expense	Wheeling Business	Retail Supply Business	FY 2023-24		
		%	%	Wheeling Business (Rs. Cr)	Retail Supply Business (Rs. Cr)	Total (Rs. Cr)
1	Cost of power purchase	0%	100%	-	1,768.76	1768.76
2	Employee costs	40%	60%	51.45	77.18	128.64
3	R&M expenses	90%	10%	9.19	1.02	10.22
4	Administration and General expenses	50%	50%	7.67	7.67	15.34
5	Depreciation	90%	10%	23.62	2.62	26.25
6	Interest & Financial charges	90%	10%	12.67	1.41	14.08
7	Interest on Working Capital	10%	90%	0.62	5.62	6.25
8	Return on NFA /Equity	90%	10%	44.39	4.93	49.33
9	Provision for Bad Debt	0%	100%	0.00	0.00	0.00

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Sr. No.	Item of expense	Wheeling Business	Retail Supply Business	FY 2023-24		
		%	%	Wheeling Business (Rs. Cr)	Retail Supply Business (Rs. Cr)	Total (Rs. Cr)
10	Interest on Consumer Security Deposit	10%	90%	1.09	9.80	10.89
11	Total Revenue Requirement			150.72	1879.02	2029.74
12	Less: Non-Tariff Income	10%	90%	0.97	8.75	9.73
13	Net Revenue Requirement			149.75	1870.27	2020.01

4.16.2 PED hereby requests the Hon'ble Commission to approve the revised ARR of Rs.2020.01 Cr for FY 2023-24 as submitted above.

4.17 Revenue Gap for FY 2023-24

4.17.1 The Revenue Gap/(Surplus) approved by the Hon'ble Commission for FY 2023-24 and as claimed by PED on the basis of revised estimates for FY 2023-24 is shown in the table below:

Table 4-19: Revenue Gap/(Surplus) for FY 2023-24 (Rs. Cr)

S. No.	Particulars	Approved	Revised Estimates
1	Aggregate Revenue Requirement	1,713.45	2020.01
2	Revenue from Sale of Power (Excluding Regulatory Surcharge)	1,638.61	1874.32
3	Revenue Gap/ (Surplus)	74.84	145.69

4.17.2 In view of above, the Hon'ble Commission is requested to kindly allow the revenue surplus of FY 2023-24 as Rs.145.69 Cr.

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CHAPTER 5. ANNUAL REVENUE REQUIREMENT FOR FY 2024-25

5.1 Preamble

5.1.1 The Joint Electricity Regulatory Commission notified the Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Multi Year Distribution Tariff) Regulations, 2021. As per the same, the Hon'ble Commission determined the tariff for the distribution business of electricity under a Multi-Year Tariff framework with effect from April, 2022.

5.1.2 As per JERC MYT Regulations, 2021, MYT petition for a licensee shall be on the basis of the business plan approved by the Hon'ble Commission. The control period is defined as:

"18. "Control Period" shall mean the period of three years from April 1, 2022 to March 31, 2025."

5.1.3 The said JERC MYT Regulations 2021 directs the Distribution license to submit their Multi-Year Business Plan for the Control Period FY 2022-23 to FY 2024-25, which Electricity Department, Puducherry has submitted earlier.

5.1.4 This chapter provides the details of the expenditure estimates of PED which are the components of the ARR for FY 2024-25 which are proposed to be approved by the Hon'ble Commission. Accordingly, the revenue from the existing tariff with the Revenue gap / (surplus) is determined so as to propose the tariff design / proposal for recovery from the consumers during FY 2024-25.

5.2 Principles for determination of ARR

5.2.1 This Chapter summarises the Aggregate Revenue Requirement (ARR) for FY 2024-25. The projections for the control period have been made based on the figures and norms approved by the Hon'ble Commission in its Business plan order and the MYT Order. The various components of ARR are determined in the following chapters in line with the JERC MYT Regulations 2021.

5.2.2 However, as mentioned above and in the MYT Business Plan, there are number of internal and external factors which affect the planning of the department and thus, it makes this a very dynamic document and which calls for regular reviews of the plan with a view to introduce any corrections commensurate to the actual implementation of the schemes and other factors.

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5.2.3 The Annual Revenue Requirement for FY 2024-25 is projected based on the methodology followed in the MYT Tariff Order as approved by the Commission.

5.3 Sales Projection

5.3.1 Based on the projections and analysis of the past sales and number of consumers, sales and the number of consumers proposed by PED is mentioned below.

Table 5-1: Sales projected for FY 2024-25 (in Mus)

S. No.	Particulars	Sales Projections (MU)	
		Approved in MYT Order dated 31 st March 2022	Revised Estimates
1	Domestic	868.75	843.28
2	OHOB	3.50	1.58
3	Commercial	220.63	232.35
4	Agriculture	62.37	60.13
5	Public Lighting	19.00	18.22
6	LT Industrial	174.45	174.10
7	Temporary supply - LT&HT	1,044.39	2.84
8	HT I	82.35	1059.03
9	HT II	455.04	67.20
10	HT III	5.26	688.59
	Total	2,935.74	3147.37

Table 5-2: Number of Consumers projected for FY 2024-25

S. No.	Particulars	No. of Consumers Projections	
		Approved in MYT Order dated 31 st March 2022	Revised Estimates
1	Domestic	403,639	403,639
2	OHOB	8,248	2,528
3	Commercial	60,315	61,000
4	Agriculture	7,137	7,137
5	Public Lighting	52,077	55,000
6	LT Industrial	4,474	4,600
7	Temporary supply - LT&HT	0	0
8	HT I	475	490
9	HT II	71	74
10	HT III	8	13
	Total	536,444	534,481

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5.4 Distribution Loss

- 5.4.1 PED is taking utmost efforts to reduce the distribution losses, during recent years. These efforts shall be continued and will be enhanced. However, the loss reduction is a slow process and as the loss levels come down further reduction in loss becomes difficult to a large extent. The loss reduction trajectory projected by the petitioner is mentioned below and the same has been considered for projecting Energy requirement at the periphery.

Table 5-3: Distribution Loss for FY 2024-25

Particular	Approved	Revised Estimates
T&D loss	10.50%	10.50%

5.5 Energy Balance

- 5.5.1 While calculating energy balance of PED the sales to its own consumers and the estimated Distribution Loss envisaged during the MYT Control period is considered to determine the power requirement to meet the demand of own consumers.
- 5.5.2 Based on the projected Sales and distribution loss trajectory during FY 2024-25, the Energy requirement projected is shown in the following table:

Table 5-4: Energy Requirement & Energy Balance proposed for FY 2024-25 in MU

Sr. No.	Particulars	FY 2024-25
A)	ENERGY REQUIREMENT	
1	Energy sales to metered category within the State	3,147.37
2	Energy exported to TANGEDCO	-
3	Total sales within the State	3,147.37
4	T&D Losses within UT periphery (%)	10.50%
5	T&D Losses within UT periphery(MU)	369.24
6	Energy required at Discom Periphery	3,516.61
B)	ENERGY AVAILABILITY	
1	Net Power Purchase (ex Bus)	3,054.99
2	Own Generation (PPCL)	226.18
3	Power Purchase from Renewable sources	740.28
4	Power purchase from Common Pool / UI-over drawl / Traders / Exchange / Others	0.17
5	UI Under drawl	414.83

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Sr. No.	Particulars	FY 2024-25
6	Open Access Power Purchase at periphery	0.00
7	Net Power Purchased (1+2+3+4-5+6)	3,606.78
8	Inter State Transmission Losses	90.17
9	Inter state Transmission Losses (%)	2.50%
10	Total Energy Availability (7-8)	3,516.61
11	Deficit/(Surplus)	0.00

5.5.3 PED request the Hon'ble Commission to approve the Energy Balance for FY 2024-25 as submitted in this petition.

5.6 Power Purchase Quantum

5.6.1 PED meets its total energy requirement from its allocation from the Central Generating Stations (CGS) and PPCL. PPCL is a generating company within the UT of Puducherry catering to the partial requirement of Karaikal region of PED.

5.6.2 The petitioner envisages supply from 150 MW of solar power and 240 MW from wind power sources.

5.6.3 PED submits that it has executed a Power Sale Agreement (PSA) on 24th October 2019 with SECI for Procurement of 50 MW Solar Power (Tranche II) for 25 years at a fixed tariff for Rs. 2.44/kWh plus trading margin of Rs. 0.07/kWh for fulfilment of Solar RPO. Accordingly, PED had filed a petition before the Hon'ble Commission for approval of purchase of solar Power capacity of 50 MW and adoption of tariff. The Hon'ble Commission vide its order dated 09th September 2021 has accorded its approval for adoption of said PSA.

5.6.4 PED submits that it has executed a Power Sale Agreement (PSA) on 05th February 2019 with SECI for Procurement of 100 MW Wind Power (Tranche V) for 25 years at a fixed tariff for Rs. 2.77/kWh plus trading margin of Rs. 0.07/kWh for fulfilment of Non-Solar RPO. Accordingly, PED had filed a petition before the Hon'ble Commission for approval of purchase of wind Power capacity of 100 MW and adoption of tariff. The Hon'ble Commission vide its order dated 09th September 2021 has accorded its approval for adoption of said PSA.

5.6.5 PED submits that it has executed a Power Sale Agreement (PSA) on 21st May 2019 with SECI for Procurement of 140.64 MW Wind Power (Tranche VIII) for 25 years at a fixed tariff for Rs. 2.84/kWh plus trading margin of Rs. 0.07/kWh for fulfilment of Non-Solar RPO. Accordingly, PED had filed a petition before the Hon'ble Commission for approval of purchase of wind Power capacity of 140.64 MW and adoption of tariff. The Hon'ble Commission vide its order dated 09th September

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2021 has accorded its approval for adoption of said PSA.

5.6.6 Further PED has also executed a Power Sale Agreement (PSA) with NTPC for Procurement of 100 MW Solar Power for 25 years at a fixed tariff for Rs. 2.67/kWh for fulfilment of Non-Solar RPO.

5.6.7 The power purchase quantum for FY 2024-25 has been projected based on the Energy requirement and energy balance submitted above.

5.6.8 PED further submits that for the purpose of the FY 2024-25, PED has considered the transmission loss percentage as 2.50% as per the MYT Order. PED requests the Hon'ble Commission to approve the same.

5.7 Cost of Power Purchase for FY 2024-25

5.7.1 PED has projected the net power purchase quantum of 3606.78 MUs for FY 2024-25.

5.7.2 The cost of power purchase of FY 2024-25 has been calculated based on the H1 figures of FY 2023-24 and the average rate of power purchase of first 6 month has been considered for calculation of power purchase cost of FY 2024-25. Further the projections has been done with 6% escalation from FY 2023-24 H1 Cost for purpose of estimation of the power purchase charges for the FY 2024-25.

5.7.2.1 Sale of Surplus Power:

PED has considered surplus power diverted to IEX of quantum 400 MUs for FY 2024-25 at the rate of Rs. 4.52/unit which has been deducted from the net power purchase cost.

5.7.2.2 PGCIL losses:

PED submits that for the purpose of APR for FY 2024-25, PED has considered the transmission loss percentage to 2.50% as per the MYT Order. PED requests the Hon'ble Commission to approve the same. Loss for Renewable energy sources and PPCL have been considered as nil.

5.7.2.3 Transmission Charges:

The petitioner has considered the actual transmission charges for FY 2021-22 and has accordingly calculated the transmission per unit charges for PGCIL and has considered the same per unit charges for the entire control period without any escalations. However, the transmission charges for renewable energy sources and PPCL have been considered nil.

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5.7.3 The total power purchase quantum and cost for FY 2024-25 is as shown under:

Table 5-5: Power Procurement Cost for FY 2024-25

Sr. No	Source	Power Purchase (MUs)	Total Cost (Rs. Cr)	Rate / Unit
			Projections	
			FY 2024-25	
1	NTPC	1,155.94	521.86	4.51
2	NTPL	100.46	57.86	5.76
3	NLC	494.97	209.74	4.24
4	PPCL	293.84	236.15	8.04
5	KAIGA	214.45	74.76	3.49
6	NTPC - MAPS	13.30	3.39	2.55
7	NTECL	196.47	111.82	5.69
8	KKNP	372.53	158.60	4.26
9	NNTPS	432.82	211.87	4.90
10	KSEB	-	-	-
11	NTPC Solar	274.72	64.14	2.33
12	SECI Wind	456.99	135.20	2.96
13	CTUIL	0.29	177.91	
14	IEX Purchase / Sale	-400	-230	
15	Open market			
16	OA Power purchase/ (Sale)			
17	PGCL (POC Charges)			
18	SRLDC Charges			
19	Total Power Purchase Cost	3,606.78	1,733.30	4.90

5.7.4 With respect to the above submission, PED requests the Hon'ble Commission to approve the total quantum and cost of power purchase for FY 2024-25 as summarized above.

5.8 Renewable Purchase Obligation and Cost for FY 2024-25:

5.8.1 As per Joint Electricity Regulatory Commission for State of Goa & Union Territories (Procurement of Renewable Energy) Regulations, 2010 and as amended on 19th February 2013, quantum of Renewable Purchase Obligations has been specified for each year whereby each distribution licensee needs to purchase electricity (in kWh) from renewable energy sources, at a defined minimum percentage of the total consumption of all the consumers in its area during a year.

5.8.2 The Hon'ble Commission has approved the RPO targets for FY 2024-25 in the MYT Order as 21.58% including 11% Solar RPO and 10.58% Non-Solar RPO.

5.8.3 PED submits that it is obliged to comply with the Renewable Purchase Obligation. Further PED submits that it plans to comply and fulfil its total RPO for FY 2024-25

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and cumulative RPO upto FY 2024-25.

- 5.8.4 PED submits that the RPO obligations can be met through the purchase of energy from renewable sources only since REC are mere certificate which will not cater the actual load demand. In this process the PED has tied up with SECI for procuring 240 MW of wind power and 50 MW of Solar power for 25 years. Further the PED has also tied up with NTPC for procurement of 100 MW solar power for 25 years.

5.9 Operation and Maintenance

- 5.9.1 Regulation 52 and Regulation 61 of JERC for the State of Goa and Union Territories (Multi Year Tariff) Regulations, 2021 provides for O&M Expense for a distribution licensee for Distribution wire business and Retail supply respectively. The relevant regulation is re-produced hereunder:

"The Distribution Licensee shall submit the required O&M expenses for the Control Period as a part of Multi Year Tariff Petition. O&M expenses for the base Year shall be approved by the Commission taking into account the latest available audited accounts, business plan filed by the distribution Licensee, estimates of the actuals for the Base Year, prudence check and any other factors considered appropriate by the Commission.

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

$$O\&M_n = (R\&M_n + EMP_n + A\&G_n) \times (1 - X_n) + \text{Terminal Liabilities}$$

Where,

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

$$EMP_n = (EMP_{n-1}) \times (1 + G_n) \times (1 + CPI_{inflation})$$

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

'K' is a constant (expressed in %). Value of K for each Year of the Control Period shall be determined by the Commission in the Multi Year Tariff Order based on Licensee's filing, benchmarking of repair and maintenance expenses, approved repair and maintenance expenses vis-à-vis GFA approved by the Commission in past and any other factor considered appropriate by the Commission;

CPIinflation – is the average increase in Consumer Price Index (CPI) for immediately preceding three (3) Years before the base Year;

WPIinflation – is the average increase in the Wholesale Price Index (CPI) for immediately preceding three (3) Years before the base Year;

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

A&G_n – Administrative and General expenses of the Distribution Licensee for the nth Year;

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

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GFA_n-1 – Gross Fixed Asset of the Distribution Licensee for the n-1th Year;

X_n is an efficiency factor for nth Year. Value of X_n shall be determined by the Commission in the Multi Year Tariff Order based on Licensee's filing, benchmarking, approved cost by the Commission in past and any other factor the Commission feels appropriate;

G_n is a growth factor for the nth Year. Value of G_n shall be determined by the Commission for each Year in the Multi Year Tariff Order for meeting the additional manpower requirement based on Licensee's filings, benchmarking, approved cost by the Commission in past and any other factor that the Commission feels appropriate:

Provided that in case the Distribution Licensee has been in operation for less than three (3) Years as on the date of effectiveness of these Regulations, O&M Expenses shall be determined on case to case basis.

Employee Expenses:

5.9.2 The Employee Expense for FY 2024-25 were approved by the Hon'ble Commission in the MYT Tariff Order dated 31st March 2022. However, based on the actual employee cost for FY 2022-23 and the estimated performance of the Petitioner in FY 2023-24, the revised estimates for the employee expenses are calculated.

5.9.3 Since PED is under the verge of privatisation under the Aatmanirbhar Bharat Abhiyaan, the Electricity Department of Puducherry has not devised any recruitment plan, so the G_n has considered as approved by the Commission for FY 2024-25. Accordingly, the revised projection of Employee Expenses has been calculated for FY 2024-25 as per formula $EMP_n = (EMP_{n-1}) \times (1+G_n) \times (1+CPI \text{ inflation})$. Further, additional employee expenses on account of outsourced employees is considered at Rs. 10 Cr. Calculation is as under:

Table 5-6: Employee expense for FY 2024-25 (Rs. Cr)

Particulars	Approved as per MYT Order dated 31 st March 2022	FY 2024-25
Employee Expenses	110.89	124.54

5.9.4 PED requests the Hon'ble Commission to approve the Employee expenses as projected for FY 2024-25 based on approved norms in the Regulations, subject to True-Up.

A&G Expenses:

5.9.5 The A&G expenses for each year of the Control Period has been approved by the Hon'ble Commission based on the norms specified in the JERC MYT Regulations, 2021 i.e., $A\&G_n = (A\&G_{n-1}) \times (1+CPI \text{ inflation})$. Accordingly, the A&G expenses for the FY 2024-25 considering the actual expenses for FY 2022-23 has been projected

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as shown under.

Table 5-7: A&G Expense projection for for FY 2024-25(Rs. Cr)

Particulars	Approved as per MYT Order dated 31 st March 2022	FY 2024-25
A&Gn Expenses	20.84	16.17

5.9.6 PED requests the Hon'ble Commission to approve the A&G expenses as projected for FY 2024-25 based on approved norms in the Regulations, subject to True-Up.

Repair and Maintenance Expenses

5.9.7 The R&M expenses for each year of the Control Period has been approved by the Hon'ble Commission based on the norms specified in the JERC MYT Regulations, 2021 i.e., $R\&M_n = K \times GFAn-1 \times (1+WPI \text{ inflation})$. Accordingly, the R&M expenses for the FY 2024-25 considering the K factor as approved by the Commission and the actual expenses for FY 2022-23 and WPI inflation has been calculated.

5.9.8 PED submits that the Hon'ble Prime Minister and Ministry of Power had emphasized that the smart meter has to be rolled out in Mission mode for the Union Territories and assigned the time that the all the consumers (other than Agriculture) in Union Territories shall be metered with smart meters with prepayment mode by December 2023. Accordingly, the Smart pre-payment meter work in UT of Puducherry was awarded to M/s. Power Finance Corporation Consultant Ltd (M/s PFCCL) on TOTEX mode on 4th June 2021.

5.9.9 M/s PFCCL will be the project implementing agency and will select Advance Metering Infrastructure Service Provider (AMISP) for providing Smart Prepaid meters for all the consumers, Smart meter with AMR facility for HT, EHT consumers. Since the Project has been carried out on the TOTEX mode, PED has to pay the rate quoted by the AMISP. The approximate Facility Management Services (FMS) Cost arrived at Rs. 80/per consumer/month for the contract period of 90 Months and the exact amount will be known after AMISP is finalized by M/s. PFCCL.

5.9.10 PED projected that around 4.05 Lakh consumer meter will be replaced by FY2023-24 the FMS cost tunes to a total of Rs. 38.88 Cr for FY 2023-24 and Rs. 40.01 Cr for FY 2024-25. Since the Commission had not considered the same in last Tariff Order, cost incurred towards FMS is not claimed under R&M Cost.

5.9.11 R&M Expenses have been calculated based on the formula and methodology

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provided in the Regulations, $R\&Mn = K \times GFAn-1 \times (1+WPI \text{ inflation})$.

Table 5-8: R&M Expenses for FY 2024-25

Particulars	Approved as per MYT Order dated 31 st March 2022	FY 2024-25
K-Factor	0.91%	0.91%
GFAn-1	1,089.49	1074.96
WPI Inflation	2.42%	2.42%
R&M Expenses	10.16	10.56
FMS Cost towards Prepaid smart meters	40.01	-
Total R&M Cost	50.17	10.56

5.9.12 PED requests the Hon'ble Commission to approve the R&M expense as projected for FY 2024-25 based on approved R&M norms.

5.10 Details of Capital Expenditure & Capitalization

5.10.1 The JERC MYT Regulations, 2021 specifies the following provisions for projection of capital expenditure.

"8.5 Capital Investment Plan

a) The Capital Investment Plan to be submitted as part of Business Plan shall include details of New Projects planned during the Control Period, purpose of investment, capital structure, implementation schedule, quarter-wise capital expenditure and capitalisation schedule, financing plan, cost-benefit analysis, improvement in operational efficiency envisaged in the Control Period owing to proposed investment and such details for ongoing projects that will spill over into the Control Period under review along with justification;

b) The Capital Investment Plan proposed by the Transmission Licensee shall be in conformity with the plans made by the Authority/Central Transmission Utility and with the Capital Investment Plan of the Distribution Licensee;

c) During the Annual Performance Review, the Commission shall monitor the progress of the actual capital expenditure incurred by the Licensee vis-à-vis the approved capital expenditure. The Licensees shall submit the actual capital expenditure incurred along with the annual performance review, true-up and determination of tariff filing;

d) The truing up of the capital cost incurred for the new projects and additional capital cost for the existing projects shall be done on yearly basis based on the actual capital cost incurred.:

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Provided if the actual capital cost incurred on year to year basis is lesser than the capital cost approved for determination of tariff by the Commission on the basis of the projected capital cost as on the date of commercial operation or on the basis of the projected additional capital cost, by twenty (20) percent or more, the excess tariff/revenue realized corresponding to excess capital cost as approved by the Commission, along with interest at 1.10 times of the Carrying Cost, as prevalent on the first day of April of the respective financial year, shall be adjusted from the annual revenue requirement of the respective year at the time of true-up.

Provided if the actual capital cost incurred on year to year basis is higher than the capital cost approved for determination of tariff by the Commission on the basis of the projected capital cost as on the date of commercial operation or on the basis of the projected additional capital cost, by twenty (20) percent or more, the shortfall in tariff/revenue realized corresponding to excess capital cost as incurred by the licensee vis-à-vis approved by the Commission, along with interest at 0.9 times of the Carrying Cost, as prevalent on the first day of April of the respective financial year, shall be allowed in the annual revenue requirement of the respective year at the time of true-up.

e) In case the capital expenditure is required for emergency work which has not been approved in the Capital Investment Plan, the Licensee shall submit an application containing all relevant information along with reasons justifying emergency nature of the proposed work seeking approval of the Commission:

Provided that in case capital expenditure is required for emergency work or unforeseen situation to mitigate threat to life and property and if prior intimation thereof to the Commission shall cause any irreparable loss or injury, the Licensee may undertake that capital expenditure and submit the details along with adequate justification for post facto approval of the Commission:

Provided further that for the purpose of Regulation 8.5(e) above, such approved capital expenditure shall be treated as a part of both the actual capital expenditure incurred by the Licensee and approved capital expenditure by the Commission;

f) The Licensee shall submit a report for every quarter detailing the progress of the capital expenditure and capitalisation undertaken against that proposed in the Capital Investment Plan, on or before the last Day of the month succeeding the respective quarter for review by the Commission."

5.10.2 The distribution network of PED is old and it has been continuously upgrading and

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strengthening its network to cater quality and reliable power services to its increasing consumer base.

5.10.2.1 The distribution network of PED needs to be developed and strengthened in such a way that demand of such rising consumers can be met. The majority of the capital expenditure during the control period is required to address this demand requirement. PED has considered the Capital Expenditure and Capitalization for FY 2024-25 as approved by the Commission in its MYT Tariff Order dated 31st March 2022, whose details is shown as under:

5.10.2.2 The estimates of capital expenditure and capitalization has been shown in tables below:

Table 5-9: Capital Expenditure for FY 2024-25(Rs. Cr)

No.	Particulars	FY 2024-25
A	Capital Expenditure	160.16
B	Capitalization	141.92

5.10.3 The proposed capital expenditure will definitely be helpful to achieve the loss targets set by PED in its distribution loss trajectory and to meet any additional load surging due to increase in demand.

5.11 Funding of Capital Expenditure

5.11.1 The petitioner has claimed the funding of capex and capitalization as approved by the Commission in the MYT Order dated 31st March 2022 as shown under:

Table 5-10: Closing GFA for FY 2024-25 (Rs. Cr)

No.	Particulars	FY 2024-25
1	Opening GFA	1029.58
2	Addition	141.92
3	Less: Grant	85.15
4	Less: Consumer Contribution	-
5	Net Additions to GFA	56.77
6	Closing GFA	1086.34

Table 5-11: Capital Structure for FY 2024-25(Rs. Cr)

S.No.	Particulars	FY 2024-25
1	Total Capitalisation	141.92
2	Less: Capitalisation through Grants	85.15
3	Net Capitalisation excluding grant	56.77
4	Debt (%)	70%
5	Equity (%)	30%
6	Normative Loan	39.74
7	Normative Equity	17.03

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5.12 Gross Fixed Assets and Depreciation

5.12.1 The JERC MYT Regulations, 2021 specifies the following provisions for projection of Depreciation.

31 Depreciation

31.1 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.

31.2 The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to a maximum of 90% of the capital cost of the asset.

31.3 Land other than the land held under lease shall not be a depreciable asset and its cost shall be excluded from the capital cost while computing depreciable value of the assets.

31.4 In case of existing assets, the balance depreciable value as on April 1, 2022, shall be worked out by deducting the cumulative depreciation as admitted by the Commission up to March 31, 2021, from the gross depreciable value of the assets.

31.5 The depreciation shall be chargeable from the first Year of commercial operations. In case of projected commercial operation of the assets during the Year, depreciation shall be computed based on the average of opening and closing value of assets:

Provided that depreciation shall be re-calculated during truing-up for assets capitalised at the time of truing up of each Year of the Control Period, based on documentary evidence of asset capitalised by the Applicant, subject to the prudence check of the Commission.

31.6 For Transmission Licensee, the depreciation shall be calculated at rates and norms specified in the prevalent CERC Tariff Regulations for transmission system.

31.7 The depreciation for a Distribution Licensee shall be shall be calculated annually, based on the Straight Line Method, over the Useful Life of the asset at rates specified in Appendix I of the Regulations.

31.8 In addition to allowable depreciation, the Distribution Licensee shall be entitled to advance against depreciation (AAD), computed in the manner given hereunder:

AAD = Loan (raised for capital expenditure) repayment amount based on loan repayment tenure, subject to a ceiling of 1/10th of loan amount minus depreciation as calculated on the basis of these Regulations:

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Provided that advance against depreciation shall be permitted only if the cumulative repayment upto a particular Year exceeds the cumulative depreciation upto that Year:

Provided further that advance against depreciation in a Year shall be restricted to the extent of difference between cumulative repayment and cumulative depreciation upto that Year.

31.9 The Distribution Licensee shall provide the list of assets added during each Year of Control Period and list of assets completing 90% of depreciation in the Year along with Petition for annual performance review, true-up and tariff determination for ensuing Year.

30.10 The remaining depreciable value for a Distribution Licensee shall be spread over the balance useful life of the asset, on repayment of the entire loan"

5.12.2 The closing GFA of the FY 2022-23 as arrived at APR has been considered as opening GFA of the FY 2024-25. Further, depreciation for each year has been computed on average Gross Fixed Assets (GFA) after considering the net addition proposed during each year.

5.12.3 However, for FY 2022-23 the actual depreciation as per audited accounts of Rs. 25.24Cr is submitted for approval, which is significantly lower than the FY 2024-25 estimates as above. Hence, the depreciation for FY 2024-25 is computed escalating the FY 2022-23 actual depreciation by 4% at Rs. 27.30Cr.

5.12.4 As per the above, PED has calculated the depreciation for the year FY 2024-25 as Rs. 27.30Cr. The table shows the working of depreciation.

Table 5-12: Depreciation for FY 2024-25 (Rs. Cr)

S. No.	Particulars	Approved by Commission	24-25
1	Net Depreciation for the year	38.63	27.30
2	Rationale	3.67% average depreciation rate	4% escalation on previous year

5.12.5 In view of the above, the Hon'ble commission is requested to allow the depreciation charges as provided above for FY 2024-25.

5.13 Interest on Loan

5.13.1 The debt-equity ratio for determination of tariff shall be considered as per Regulation 27 of MYT Regulations

"27. Debt to Equity Ratio:

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27.1 In case of Existing Projects, debt to equity ratio allowed by the Commission for determination of tariff for the period ending March 31, 2022 shall be considered:

Provided that in case of retirement or replacement or De-capitalisation of the assets, the equity capital approved as mentioned above, shall be reduced to the extent of 30% (or actual equity component based on documentary evidence, if it is lower than 30%) of the original cost of such assets:

Provided further that in case of retirement or replacement or De-capitalisation of the assets, the debt capital approved as mentioned above, shall be reduced to the extent of outstanding debt component based on documentary evidence, or the normative loan component, as the case may be, of the original cost of such assets.

27.2 For New Projects, the debt-equity ratio as on the Date of Commercial Operation shall be 70:30 of the amount of capital cost approved by the Commission under Regulation 24, after prudence check for determination of tariff:

Provided that where equity actually deployed is less than 30% of the capital cost of the capitalised asset, the actual equity shall be considered for determination of tariff:

Provided also that if the equity actually deployed is more than 30% of the capital cost, equity in excess of 30% shall be treated as a normative loan for the Licensee for determination of tariff:

Provided also that the Licensee shall submit documentary evidence for the actual deployment of equity and explain the source of funds for the equity:

Provided also that the equity invested in foreign currency shall be designated in Indian rupees on the date of each investment:

Provided further that the premium, if any, raised by the Licensee while issuing share capital and investment of internal resources created out of its free reserves, for the funding of the scheme, shall be reckoned as paid up capital for the purpose of computing return on equity, provided such premium amount and internal resources are actually utilized for meeting the capital expenditure of the transmission system or the distribution system, and are within the ceiling of 30% of capital cost approved by the Commission.

27.3. Any expenditure incurred or projected to be incurred on or after April 1, 2022, as may be admitted by the Commission, as additional capital expenditure for determination of tariff, and renovation and modernisation expenditure for life extension shall be serviced in the manner specified in this Regulation."

5.13.2 The rate of interest on normative loan shall be considered as per Regulation 29.4 of JERC MYT Regulations 2021.

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"29.4. The rate of interest shall be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each Year applicable to the Transmission Licensee or the Distribution Licensee:

Provided that at the time of truing up, the weighted average rate of interest calculated on the basis of the actual loan portfolio during the Year applicable to the Transmission Licensee or the Distribution Licensee shall be considered as the rate of interest:

Provided also that if there is no actual loan for a particular Year but normative loan is still outstanding, the last available weighted average rate of interest for the actual loan shall be considered:

Provided further that if the Transmission Licensee or the Distribution Licensee does not have actual loan, then 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 relevant Year plus 100 basis points shall be considered as rate of interest for purpose of allowing the interest on the normative loans. "

5.13.3 The Interest on loan for FY 2024-25 based on JERC MYT regulations, 2021 is tabulated below.

Table 5-13: Interest on Loan for FY 2024-25 (Rs. Cr)

Sr. No.	Particulars	Projection	
		Approved in MYT Order dated 31 st March 2022	FY 2024-25
1	Opening Normative Loan	122.01	175.14
2	Add: Normative Loan during the Year	39.74	39.74
3	Less: Normative Repayment	38.85	27.29
4	Closing Normative Loan	122.90	187.59
4	Average Normative Loan	122.45	181.36
5	Rate of Interest (@SBI 1 Year MCLR rate+100 Basis Points)	8.00%	8.00%
6	Interest on Normative Loan	9.80	14.51
7	Other Finance Charges		
8	Total Interest & Finance Charges	9.80	14.51

5.13.4 Other finance charges incurred by the Petitioner shall be claimed based on actuals during true-up for the respective years.

5.13.5 The Hon'ble Commission is requested to approve the Interest & Finance Charges proposed for FY 2024-25.

5.13.6

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5.14 Interest on Working Capital

5.14.1 Regulation 53 specify norms for working capital for Distribution wire business of JERC MT Regulation 2021 is as follows:

"53.1 The Distribution Licensee shall be allowed interest on the estimated level of working capital for the Distribution Wires (Retail Supply) 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."

5.14.2 The SBI 1 year MCLR as on 1st April 2022 plus 200 basis points i.e. 9.00% has been considered for computation of interest on working capital. The following table provides the Interest on working Capital proposed for FY 2024-25.

Table 5-14: Interest on working capital for FY 2024-25(Rs. Cr)

S. No.	Particulars	Approved in MYT Order dated 31 st March 2022	FY 2024-25
1	O&M Expenses for 1 month	15.16	12.61
2	Maintenance Spares (@ 40% of R&M Expenses for one (1) month)	1.67	0.35
3	Receivables equivalent to two (2) months	290.85	311.04
4	Less: Amount, if any, held as security deposits	236.53	273.99
5	Total Working Capital (A (v)+B+C-D)	71.15	50.01
6	Rate of Interest	9.00%	9.00%
7	Interest on Working Capital	6.40	4.50

5.14.3 The Hon'ble Commission is requested to approve the Interest on working capital proposed for FY 2024-25 as per the above table.

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5.15 Provision for Bad Debts

5.15.1 Regulation 63 provides provision for Bad debts

"The Commission may allow bad debts written off as a pass through in the Aggregate Revenue Requirement, based on the trend of write off of bad debts in the previous years, subject to prudence check:

Provided that the Commission shall true up the bad debts written off in the Aggregate Revenue Requirement, based on the actual write off of bad debts excluding delayed payment charges waived off, if any, during the year, subject to prudence check:

Provided also that the provision for bad and doubtful debts shall be limited to 1% of the annual Revenue Requirement of the Distribution Licensee:

Provided further that if subsequent to the write off of a particular bad debt, revenue is realised from such bad debt, the same shall be included as an uncontrollable item under the Non-Tariff Income of the year in which such revenue is realised."

5.15.2 Since the amount is to be claimed at the time-up of true-up limited to 1% of the receivables, the same is not claimed in the present Petition and may be claimed at the time of true-up in case such cost has been incurred.

5.16 Interest on Security Deposits

5.16.1 Regulation 29.11 of the JERC MYT Regulations, 2021 gives provision for Interest on Security deposit.

"Interest shall be allowed on the amount held as security deposit held in cash from Retail Consumers at the Bank Rate as on 1st April of the Financial Year in which the Petition is filed:

Provided that at the time of truing-up, the interest on the amount of security deposit for the Year shall be considered on the basis of the actual interest paid by the Licensee during the Year, subject to prudence check by the Commission."

5.16.2 Interest on security deposits based on MYT Regulations is tabulated below

Table 5-15: Interest on Security Deposit for FY 2024-25(Rs. Cr)

No.	Particulars	Projections	
		Approved in MYT Order dated 31 st March 2022	FY 2024-25
1	Opening Security Deposit	234.29	264.65
2	Add: Deposits during the Year	4.48	18.70
3	Less: Deposits refunded	0.00	0
4	Less: Deposits in form of BG/FDR	0.00	0.00
5	Closing Security Deposit	238.77	283.34
6	Average Security Deposit	236.53	273.99
7	Bank Rate	4.25%	4.25%
8	Interest on Security Deposit	10.05	11.64

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5.16.3 PED submits that deposit during the year is considered by taking FY 2022-23 as base and an escalation of 10% has been considered every year to arrive at security deposit addition for following years.

5.16.4 The Hon'ble Commission is requested to approve the Interest on Security Deposit as proposed in the above Table for FY 2024-25.

5.17 Return on Equity

5.17.1 The debt-equity ratio for determination of tariff has been determined in accordance with the Regulation 27 of JERC MYT Regulations 2021. The excerpt of the same is reproduced below:

"27. Debt to Equity Ratio:

27.1 In case of Existing Projects, debt to equity ratio allowed by the Commission for determination of tariff for the period ending March 31, 2022 shall be considered:

Provided that in case of retirement or replacement or De-capitalisation of the assets, the equity capital approved as mentioned above, shall be reduced to the extent of 30% (or actual equity component based on documentary evidence, if it is lower than 30%) of the original cost of such assets:

Provided further that in case of retirement or replacement or De-capitalisation of the assets, the debt capital approved as mentioned above, shall be reduced to the extent of outstanding debt component based on documentary evidence, or the normative loan component, as the case may be, of the original cost of such assets.

27.2 For New Projects, the debt-equity ratio as on the Date of Commercial Operation shall be 70:30 of the amount of capital cost approved by the Commission under Regulation 24, after prudence check for determination of tariff:

Provided that where equity actually deployed is less than 30% of the capital cost of the capitalised asset, the actual equity shall be considered for determination of tariff:

Provided also that if the equity actually deployed is more than 30% of the capital cost, equity in excess of 30% shall be treated as a normative loan for the Licensee for determination of tariff:

Provided also that the Licensee shall submit documentary evidence for the actual deployment of equity and explain the source of funds for the equity:

Provided also that the equity invested in foreign currency shall be designated in Indian rupees on the date of each investment:

Provided further that the premium, if any, raised by the Licensee while issuing share capital and investment of internal resources created out of its free reserves, for the funding of the scheme, shall be reckoned as paid up capital for the purpose of

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computing return on equity, provided such premium amount and internal resources are actually utilized for meeting the capital expenditure of the transmission system or the distribution system, and are within the ceiling of 30% of capital cost approved by the Commission.

27.3. Any expenditure incurred or projected to be incurred on or after April 1, 2022, as may be admitted by the Commission, as additional capital expenditure for determination of tariff, and renovation and modernisation expenditure for life extension shall be serviced in the manner specified in this Regulation."

5.17.2 Regulation 28 specifies the return on equity that shall be allowed for Distribution wire and Retail Supply business.

"28.2 The return on equity for the Distribution Wires Business shall be allowed on the equity capital determined in accordance with Regulation 27 for the assets put to use at post-tax rate of return on equity specified in the prevalent CERC Tariff Regulations for transmission system.

28.3 The return on equity for the Retail Supply Business shall be allowed on the equity capital determined in accordance with Regulation 27 for the assets put to use, at the rate of sixteen (16) per cent per annum.

28.4 The return on equity shall be computed on average of equity capital at the beginning and end of Year."

5.17.3 PED has segregated the proposed average equity (average of opening and closing equity) into average equity for Distribution Wires Business and Retail Supply Business based on the Allocation Statement provided in the JERC MYT Regulations, 2021 i.e. 90% allocation for the Distribution Wires Business and 10% allocation for the Retail Supply Business.

5.17.4 In accordance with the Regulation 28.2 of the JERC MYT Regulations 2021, PED has considered a post-tax rate of 15.50% for the Distribution Wires Business (as per the prevalent CERC Regulations).

5.17.5 Further in accordance to the Regulation 28.3 of the JERC MYT Regulations, 2021, PED has considered return on equity at the rate of 16% for the Retail Supply Business.

5.17.6 The following table provides the total return on equity proposed for FY 2024-25.

Table 5-16: Return on Equity for FY 2024-25 (Rs. Cr)

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S. No	Particulars	Projection	
		Approved in MYT Order dated 31 st March 2022	FY 2024-25
1	Opening Balance of Equity	308.87	322.49
2	Equity Addition during year (30% of Capitalization)	17.03	17.03
3	Closing Balance of Equity	325.90	339.52
4	Average Equity Amount	317.39	331.01
5	Average Equity-Wires Business	285.65	297.90
6	Average Equity -Retail Supply Business	31.74	33.10
7	Return on Equity for Wires Business (%)	15.50%	15.50%
8	Return on Equity for Retail Supply Business (%)	16.00%	16.00%
9	Return on Equity for Wires Business	44.28	46.18
10	Return on Equity for Retail Supply Business	5.08	5.30
11	Total Return on Equity	49.35	51.47

5.17.7 In view of above, the Hon'ble Commission is requested to kindly allow the above Return on Equity as submitted in the petition for FY 2024-25.

5.18 Non-Tariff Income

5.18.1 The amount received by the licensee on account of non-tariff Income shall be deducted from the aggregate revenue requirement in calculating the net revenue requirement of such licensee. The non-tariff Income comprises of Testing charges, Service connection charges, Cancellation charges, Meter charges, income from trading of materials, reconnection fee, and miscellaneous income among others. The Non-tariff income has been escalated by 5% by considering non-tariff income of FY 2022-23 as base and projected for FY 2024-25.

5.18.2 The NTI proposed for FY 2024-25 has been shown in the following table:

Table 5-17: Non-Tariff Income for FY 2024-25(Rs. Cr)

Particulars	Revised Projection
Total Non-tariff income	10.21

5.18.3 PED requests the Hon'ble commission to approve the non-tariff income as projected for FY 2024-25.

5.19 ARR for FY 2024-25

5.19.1 Based on the parameters discussed above, the projection of Annual Revenue Requirement (ARR) of PED for FY 2024-25 is as follows:

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Table 5-18: Annual Revenue Requirement for FY 2024-25(Rs. Cr)

S.No.	Particulars	Approved in MYT Order dated 31 st March 2022	FY 2024-25
1	Cost of Power Purchase (Including Transmission charges)	1,452.63	1733.30
2	R&M Expenses	50.17	10.56
3	Employee Cost	110.89	124.54
4	A&G Expenses	20.84	16.17
5	Depreciation	38.85	27.30
6	Interest and Finance Charges	9.8	14.51
7	Interest on Working Capital	6.4	4.50
8	Interest on consumer security Deposit	10.05	11.64
9	Provision for Bad Debt		0.00
10	Return on Equity	49.35	51.47
11	Total Revenue Requirement	1,748.98	1,993.99
12	Less: Non-Tariff and other Income	3.91	10.21
13	Annual Revenue Requirement	1745.07	1983.78

5.19.2 PED requests the Hon`ble Commission to approve the said ARR for FY 2024-25.

5.20 Revenue from Sale of Power at Existing Tariff for FY 2024-25

5.20.1 The Revenue from sale of power at existing Tariff based on the projected sales, consumer and connected load for FY 2024-25 is tabulated below:

Table 5-19: Revenue from Sale of Power at existing tariff for FY 2024-25

Category	FY 2024-25				
	Sales (Mus)	Fixed Charge (Rs. Cr)	Energy Charge (Rs. Cr)	8% Surcharge (Rs. Cr)	Total Revenue (Rs. Cr.)
LT Category					
Domestic & Cottage	843.28	25.00	294.49	25.56	345.05
OHOB/LifeLine Services	1.58	0.00	0.00	0.00	0.00
Commercial	232.35	14.79	179.26	15.52	209.58
Agriculture	60.13	5.51	0.00	0.44	5.95
Public lighting	18.22	6.25	12.94	1.53	20.72
LT Industrial	125.60	6.35	79.75	6.89	92.99
Water tank	48.50	0.15	34.92	2.81	37.87
Temporary supply - LT&HT	2.89	0.00	0.00	0.00	0.00
Total LT	1332.55	58.05	601.36	52.75	712.16
HT Category					
HT-1 Industries and commercial	1059.03	160.33	577.17	59.00	796.50

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Category	FY 2024-25				
	Sales (Mus)	Fixed Charge (Rs. Cr)	Energy Charge (Rs. Cr)	8% Surcharge (Rs. Cr)	Total Revenue (Rs. Cr.)
HT 2 - Government & non-Industrial & non-Commercial	67.20	17.18	41.95	4.73	63.86
HT 3 - EHT Industries	688.59	31.50	378.73	32.82	443.04
Total HT	1814.82	209.00	997.85	96.55	1303.40
Grand Total	3,147.37	267.05	1,599.21	149.30	2,015.56
BPSC Charges					-
Total Revenue					2,015.56

5.20.2 PED hereby submits that the revenue mentioned above does not consist of FPPCA charges. In view of above, the Hon'ble Commission is requested to kindly allow Revenue at existing tariff as proposed for FY 2024-25.

5.21 Revenue Gap at Existing Tariff for FY 2024-25

5.21.1 In accordance with the Regulation 9.4 of the JERC MYT Tariff Regulations 2021, the revenue surplus @ existing tariff including 8% regulatory surcharge has been calculated for FY 2024-25 is shown in the table below:

Table 5-20: Revenue Gap at existing tariff for FY 2024-25(Rs. Cr)

Particulars	FY 2024-25
Aggregate Revenue Requirement (ARR)	1983.78
Less: Revenue at Existing Tariff	1,866.26
Revenue Gap/ (Surplus)	117.52

5.21.2 In view of above, the Hon'ble Commission is requested to kindly allow the Revenue gap of Rs.117.52Cr during FY 2024-25 at existing tariff, excluding regulatory surcharge for FY2023-24.

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CHAPTER 6. REGULATORY ASSETS AND TOTAL REVENUE GAP

6.1 Preamble

- 6.1.1 PED in determining the ARR and retail supply tariff for FY 2024-25 has been guided by the provisions of the Electricity Act 2003, National Tariff Policy, JERC MYT Regulations 2021 and any other applicable law, enactments, Orders, etc. as amended from time to time.
- 6.1.2 PED submits that this section covers the treatment of regulatory assets as approved by the Hon'ble Commission and the total revenue gap expected by FY 2024-25.
- 6.1.3 This section overall provides a detailed overview of each and every claim considered in calculation of total revenue gap of PED.

6.2 Treatment of Regulatory Assets and Net Gap:

6.2.1 Regulatory Asset

- 6.2.1.1 In a general term, Regulatory assets include previously incurred losses that are in the nature of deferred expenditure and that can be recovered from consumers in future if allowed by regulatory authorities.
- 6.2.1.2 As per the Guidance Note on Accounting for Rate Regulated Activities, issued by ICAI, a Regulatory Asset is defined as follows:
"A regulatory asset is an entity's right to recover fixed or determinable amounts of money towards incurred costs as a result of the actual or expected actions of its regulator under the applicable regulatory framework"
- 6.2.1.3 The National Tariff Policy has also prescribed guidelines for allowing the facility of regulatory assets to be recovered with carrying cost. In cases where regulatory asset is proposed to be adopted, it should be ensured that the return on equity should not become unreasonably low in any year so that the capability of the licensee to borrow is not adversely affected.
- 6.2.1.4 It is submitted that a distribution business is a regulated business whereby the business activities creates a gap between operational and accounting situations that would not have arisen in the absence of such regulation. With cost-of-service regulation, there is a direct link between the costs that an entity is expected to incur and its expected revenue as the rates is set to allow the entity to recover its

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expected costs. However, there could be a significant time lag between incurrence of costs by the entity and their recovery through tariffs. Recovery of certain costs may be provided for by regulation either before or after the costs are incurred. Also, the need for creation of regulatory assets can be due to any or all of the following reasons:

- such as infrequent revision of tariffs,
- variation in the actual and estimated values of major expenditure along with their reasons and treatment.
- gap between the total validated expenditure and total estimated revenue;
- difference between the cost estimated and approved by the appropriate authority;
- effect of prescribed and achieved milestones for loss reduction and sharing of efficiencies and losses;

6.3 Cumulative Revenue Gap/(Surplus) till FY 2024-25

6.3.1 In the tariff order dated 30th March, 2023, the Hon'ble Commission approved a consolidated revenue gap of Rs.432.96Cr till FY 2021-22 based on trued up costs till FY 2021-22.

6.3.2 PED submits that standalone revenue gap/(surplus) for FY 2022-23 based on actual costs and standalone gap/(surplus) based on revised estimates for FY 2023-24 and projected gap without Regulatory surcharge for the FY 2024-25 comes as under:

Table 6-1: Standalone Revenue Gap/ (Surplus) at existing tariff (Rs. Cr)

S. No.	Particulars	FY 2022-23	FY 2023-24	FY 2024-25
1	Aggregate Revenue Requirement	2050.00	2020.01	1983.78
2	Revenue from Sale of Power	1731.75	1874.32	1,866.26
3	Revenue Gap/ (Surplus)	318.25	145.69	117.52

6.3.1 PED submits that the Hon'ble Commission vide its tariff order date 30th March, 2023 for computation of carrying cost for FY 2021-22. In line with the Hon'ble Commission Tariff Order for computation of carrying cost, PED has adopted the same methodology and considered the closing Gap of FY 2021-22 as opening gap for FY 2022-23 and rate of interest at SBI 1 year MCLR + 1% as on 1st April of the relevant year. Further, PED has deducted the Regulatory Surcharge from the Standalone gap and has included the same in the computation of carrying cost for PED. The detailed computation of carrying cost is shown in the table below:

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Table 6-2: Computation of carrying Cost at existing tariff (Rs. Cr)

S.No.	Particulars	FY 2021-22 (Approved)	FY 2022-23	FY 2023-24	FY 2024-25
1	Opening Gap/(Surplus)	423.16	432.97	704.28	756.21
2	Regulatory Asset Recovered from Regulatory Surcharge	0.00	90.67	149.95	149.30
2	Addition Gap/(Surplus) (Standalone Gap)	-23.12	318.25	145.69	117.52
3	Closing Gap/(Surplus)	400.04	660.54	700.03	724.42
4	Average Gap/(Surplus)	411.60	546.76	702.16	740.31
5	Rate of Interest	8.00%	8.00%	8.00%	8.00%
6	Carrying cost	32.93	43.74	56.17	59.23
7	Final Closing Gap/ (Surplus)	432.97	704.28	756.21	783.65

6.3.2 From above, stand-alone Gap / (Surplus) for FY 2022-23 is Rs.318.25 Cr (Including revenue from Regulatory Surcharge) and the Cumulative Gap upto FY 2022-23 is Rs. 704.28 Cr. Further the Cumulative Gap upto FY 2024-25 has increased upto Rs. 783.65Cr. In order to bridge the Gap, PED proposes to increase the tariff for some category of consumers against the tariff for FY 2023-24 approved by the Hon'ble Commission in previous Tariff Order dated 30th March, 2023 along with additional surcharge of 8%. Following Chapter deals with the meeting of cumulative revenue gap.

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CHAPTER 7. TARIFF FOR RETAIL SALE OF ELECTRICITY FOR FY 2024-25

7.1 Preamble

7.1.1 This section elucidates the retail tariff and proposed amendments in the retail tariff schedule to be applicable for FY 2024-25. PED prays the Hon'ble Commission to approve the retail tariff for FY 2024-25as proposed for different categories of consumers, applicable from 1stApril, 2024.

7.2 Tariff Design Principles

7.2.1 Over the years, Hon'ble Commission has been guided by the Electricity Act, 2003 and the National Tariff Policy while determining retail tariffs across the Union Territory, Puducherry. Hon'ble Commission has always laid emphasis on adoption of factors that encourages economy, efficiency, effective performance and improved conditions of supply. On these lines Hon'ble Commission, in this order too, may apply similar principles keeping in view the ground realities.

7.3 Philosophy of Tariff Design

7.3.1 PED submits that considering the total proposed cumulative Revenue Gap of Rs.702.83Cr till FY 2022-23, the Hon'ble Commission may kindly create a regulatory asset to recover the revenue gap.

7.3.2 The petitioner, in the current petition is proposing few changes in the Tariff schedule for FY 2024-25 in order to bridge the partial cumulative gap. Further, the Petitioner is requesting the Hon'ble Commission to allow recovery of the revenue gap via additional surcharge of 8% forFY 2024-25.

7.3.3 PED requests the commission to approve the tariff schedule as proposed for FY 2024-25as tabulated below:

Table 7-1: Summary of Existing and Proposed Tariff Rates for FY 2024-25

S.N o.	Category of Consumers	Existing Tariff		Proposed Tariff	
		Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
1	Life Line Services /OHOB				
a	0-50 units per month	Rs. 10/kW/Month	Rs. 1.45/kWh	Rs. 10/kW/Month	Rs. 1.95/kWh
2	Domestic Purposes				

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S.N o.	Category of Consumers	Existing Tariff		Proposed Tariff	
		Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
a	0-100 units per month	Rs 30/kW/Month	Rs. 2.25 /kWh	Rs 30/kW/Month	Rs. 2.75 /kWh
b	101-200 units per month	Rs 30/kW/Month	Rs. 3.25 /kWh	Rs 30/kW/Month	Rs. 4.00 /kWh
c	201-300 units per month	Rs 30/kW/Month	Rs. 5.40 /kWh	Rs 30/kW/Month	Rs. 6.00 /kWh
d	Above 300 units per month	Rs 30/kW/Month	Rs. 6.80 /kWh	Rs 30/kW/Month	Rs. 7.50 /kWh
3	Commercial				
I	LT Commercial				
a	0-100 units per month	Rs. 75.00 /kW/Month	Rs. 6.00 /kWh	Rs. 100/kW/Month	Rs. 6.50 /kWh
b	101-250 units per month		Rs. 7.05 /kWh	Rs. 200/kW/Month	Rs. 8.00 /kWh
c	Above 250 units per month		Rs. 7.80 /kWh	Rs. 200/kW/Month	Rs. 9.00 /kWh
II	HT Commercial (For contract demand up to 5000 kVA)	Rs. 420 /kVA / month	Rs. 5.60 /kVAh	Rs. 450 /kVA / month	Rs. 6.50 /kVAh
4	Agriculture				
I	Agriculture				
	Small farmers	Rs. 20/HP/month	-	Rs. 20/HP/month	-
	Other Farmers	Rs. 75/HP/month	-	Rs. 75/HP/month	-
II	Cottage Industries/Poultry Farms /Horticulture/ Pisciculture				
a	0-100 units per month	Rs 30/kW/Month	Rs. 2.25 /kWh	Rs 30/kW/Month	Rs. 2.75 /kWh
b	101-200 units per month		Rs. 3.25 /kWh		Rs. 4.00 /kWh
c	201-300 units per month		Rs. 5.40 /kWh		Rs. 6.00 /kWh
d	Above 300 units per month		Rs. 6.80 /kWh		Rs. 7.50 /kWh
5	Public Lighting				
a	Public Lighting	Rs.110/pole/ month	Rs. 7.10/kWh	Rs.110/pole/ month	Rs. 7.10/kWh
6	Industries				
a	LT Industries	Rs.50/kW/Month	Rs. 6.35/kWh	Rs.100 /kW/Month	Rs. 7.00/kWh
b	HT Industries (For Supply at 11 kV, 22 kV or 33 kV)	Rs. 420 / kVA / month	Rs. 5.45 /KVAh	Rs. 450 / kVA / month	Rs. 6.00/KVAh
c	EHT Industries (For Supply at 110 kV or 132 kV)	Rs. 480 / kVA / month	Rs. 5.50 /KVAh	Rs. 500 / kVA / month	Rs. 6.00/KVAh
7	LT Water Works	Rs. 150/connection/ month	Rs. 7.20/kWh	Rs. 500/connection/ month	Rs. 7.20/kWh

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S.N o.	Category of Consumers	Existing Tariff		Proposed Tariff	
		Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
8	HT Other	Rs. 480/ kVA /month	Rs. 6.25/KVAh	Rs. 500/ kVA /month	Rs. 6.75/KVAh
9	Temporary Supply	Tariff for Temporary Connection shall be Fixed/ Demand charges (if any) plus energy charges (for relevant slab, if any) under corresponding permanent supply category plus 50% of both. For multi activity pursuit, applicable Tariff for temporary connection shall be with reference to that of non-domestic category for permanent supply.		Tariff for Temporary Connection shall be Fixed/ Demand charges (if any) plus energy charges (for relevant slab, if any) under corresponding permanent supply category plus 50% of both. For multi activity pursuit, applicable Tariff for temporary connection shall be with reference to that of non-domestic category for permanent supply.	
10	Electric Vehicle Charging Station	-	Rs.5.33/Kvah	-	Rs. 6.00/kvah
11	Hoardings/signboards	Rs. 140/kVA/ month or part thereof	Rs. 8.00/kWh	Rs. 200/kVA/ month or part thereof	Rs. 9.50/kWh

*A Regulatory Surcharge of 8.00% is proposed to all the consumer categories as a percentage of the total Energy and Demand charges payable by the consumer towards recovery of past accumulated deficit.

7.4 Revenue from Sale of Power at Proposed Tariff for FY 2024-25

7.4.1 The Revenue from sale of power at proposed Tariff based on the projected sales, consumer and connected load for FY 2024-25 is tabulated below:

Table 7-2: Revenue from Sale of Power at proposed tariff for FY 2024-25

Category	Revenue at proposed tariff FY 2024-25				
	Sales (Mus)	Fixed Charge (Rs. Cr)	Energy Charge (Rs. Cr)	8% Surcharge (Rs. Cr)	Total Revenue (Rs. Cr.)
LT Category					
Domestic & Cottage	843.28	26.15	345.64	29.74	401.53
OHOB/Life Line Services	1.58	0.00	0.31	0.00	0.00
Commercial	232.35	39.44	206.43	19.67	265.54
Agriculture	60.13	5.51	0.00	0.44	5.95
Public lighting	18.22	6.84	12.94	1.58	21.36
LT Industrial	125.60	11.13	87.92	7.92	106.97
Water tank	48.50	0.50	34.92	2.83	38.25
Temporary supply - LT&HT	2.89	0.00	0.00	0.00	0.00
Total LT	1332.55	89.56	688.15	62.19	839.60
HT Category					
HT-1 Industries and commercial	1059.03	133.95	635.42	61.55	830.92

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Category	Revenue at proposed tariff FY 2024-25				
	Sales (Mus)	Fixed Charge (Rs. Cr)	Energy Charge (Rs. Cr)	8% Surcharge (Rs. Cr)	Total Revenue (Rs. Cr.)
HT 2 - Government & non-Industrial & non-Commercial	67.12	14.47	45.31	4.78	64.56
HT 3 - EHT Industries	688.59	32.23	413.16	35.63	481.02
Total HT	1814.74	180.66	1093.88	101.96	1376.50
Grand Total	3,147.29	270.22	1,782.03	164.16	2,216.10
BPSC Charges					
Total Revenue					2,216.10

7.4.2 PED hereby submits that the revenue mentioned above does not consist of FPPCA charges. In view of above, the Hon'ble Commission is requested to kindly allow Revenue at proposed tariff as proposed for FY 2024-25.

7.5 Revenue Gap at proposed Tariff for FY 2024-25

7.5.1 The revenue gap at proposed tariff has been calculated for FY 2024-25 is shown in the table below:

Table 7-3: Revenue Gap at proposed tariff for FY 2024-25(Rs. Cr)

Particulars	FY 2024-25
Aggregate Revenue Requirement (ARR)	1983.78
Less: Revenue at Proposed Tariff	2216.10
Less: Regulatory Surcharge	164.16
Revenue Excluding Regulatory Surcharge	2051.94
Revenue Gap/ (Surplus) for FY 2024-25 excluding Regulatory Surcharge	(68.17)

7.5.2 In view of above, the Hon'ble Commission is requested to kindly allow the Revenue Gap of Rs.(68.17) Cr during FY 2024-25 at proposed tariff, excluding the Regulatory Surcharge.

7.6 Cumulative Revenue Gap/(Surplus) at proposed till FY 2024-25

7.6.1 In line with the Hon'ble Commission Tariff Order for computation of carrying cost, PED has adopted the same methodology and considered the closing Gap of FY 2021-22 as opening gap for FY 2022-23 and rate of interest at SBI 1 year MCLR + 1% as on 1st April of the relevant year considering the Revenue recovered from

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Regulatory Surcharge in the cumulative gap. The detailed computation of carrying cost is shown in the table below:

Table 7-4: Computation of carrying Cost at existing tariff (Rs. Cr)

S.No.	Particulars	FY 2021-22 (Approved)	FY 2022-23	FY 2023-24	FY 2024-25
1	Opening Gap/(Surplus)	423.16	432.97	704.28	756.21
2	Regulatory Asset Recovered	0.00	90.67	149.95	149.30
3	Add: Gap/(Surplus)	-23.12	318.25	145.69	117.52
4	Closing Gap/(Surplus)	400.04	660.54	700.03	724.42
5	Average gap/(Surplus)	411.60	546.76	702.16	740.31
6	Interest rate	8.00%	8.00%	8.00%	8.00%
7	Carrying cost	32.93	43.74	56.17	59.23
8	Final closing Gap/(Surplus)	432.97	704.28	756.21	783.65

7.6.2 Now, considering the cumulative Gap upto FY2021-22, stand-alone Gap and carrying cost at proposed tariff for FY 2024-25, the Cumulative Gap at proposed tariff including Regulatory Surcharge for FY 2024-25 comes out to be as under:

Table 7-5: Cumulative Revenue Gap/(Surplus) at proposed tariff (Rs. Cr)

S.No.	Particulars	FY 2021-22 (Approved)	FY 2022-23	FY 2023-24	FY 2024-25
1	Opening Gap/(Surplus)	423.16	432.97	704.28	756.21
2	Regulatory Asset Recovered	0.00	90.67	149.95	164.16
3	Add: Gap/(Surplus)	(23.12)	318.25	145.69	(68.17)
4	Closing Gap/(Surplus)	400.04	660.54	700.03	523.88
5	Average gap/(Surplus)	411.60	546.76	702.16	640.04
6	Interest rate	8.00%	8.00%	8.00%	8.00%
7	Carrying cost	32.93	43.74	56.17	51.20
8	Final closing Gap/(Surplus)	432.97	704.28	756.21	575.09

7.6.1 PED requests the Hon'ble Commission to approve the proposed the Tariff schedule for FY 2024-25 in order to bridge the partial cumulative gap. Further, the Petitioner is requesting the Hon'ble Commission to allow recovery of the revenue gap via additional surcharge of 8% for FY 2024-25.


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CHAPTER 8. SEGREGATION OF WHEELING AND RETAIL SUPPLY BUSINESS

8.1 Allocation Policy

8.1.1 PED submits the bifurcation of all expenses between the functions of wheeling business (wire business) and retail supply business based on the allocation matrix as per Regulation 49 of the JERC MYT Regulations 2021. The summary of the allocation statement and the segregation of ARR into wheeling and retail supply business is given in the table below:

Table 8-1: Allocation Statement Wheeling and Retail Supply for FY 2024-25

Segregation of ARR for FY 2024-25						
Sr. No.	Item of expense	Wheeling Business	Retail Supply Business	Wheeling Business	Retail Supply Business	Total
		%	%	Rs. Cr.		
1	Cost of power purchase	0%	100%	-	1,733.30	1,733.30
2	Employee costs	40%	60%	49.81	74.72	124.54
3	R&M expenses	90%	10%	9.51	1.06	10.56
4	Administration and General expenses	50%	50%	8.08	8.08	16.17
5	Depreciation	90%	10%	24.57	2.73	27.30
6	Interest & Financial charges	90%	10%	13.06	1.45	14.51
7	Interest on Working Capital	10%	90%	0.45	4.05	4.50
8	Return on NFA /Equity	90%	10%	46.32	5.15	51.47
9	Provision for Bad Debt	0%	100%	0.00	0.00	0.00
10	Interest on Consumer Security Deposit	10%	90%	1.16	10.48	11.64
11	Total Revenue Requirement			152.97	1841.02	1993.99
12	Less: Non-Tariff Income	10%	90%	1.02	9.19	10.21
13	Net Revenue Requirement (11-12)			151.95	1831.83	1983.78

8.1.2 PED requests the Hon'ble Commission to approve the segregation of ARR into wheeling & retail supply business for FY 2024-25 as per above table.



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CHAPTER 9. DETERMINATION OF OPEN ACCESS CHARGES

9.1 Approach for computation of open access charges

9.1.1 PED submits that as per Regulation 68.2 and 68.3 of JERC MYT Regulations, 2021, category wise cost of supply needs to be computed for facilitating determination of tariff and for gradual reduction of cross subsidy. Cost of supply study also facilitates determination of cross subsidy surcharge. However, the cost of supply methodology suggested by APTEL is based on voltage wise segregation.

9.1.2 Accordingly, PED has computed open access charges considering the following wheeling losses for HT & EHT and allocation % for wheeling cost between HT & LT as approved in MYT Order.

9.1.3 Wheeling Loss at EHT Level and HT level are considered as - 1.5% and 4.00% respectively (balance losses attributable to LT Level)

9.2 Computation of Wheeling Charge and losses

9.2.1 Based on above mentioned and the projections for Sales and Wheeling ARR for FY 2024-25, the wheeling charges for HT/EHT & LT are determined.

9.2.2 In line with methodology, adopted by Hon'ble Commission in Tariff Order for FY 2023-24 to determine wheeling charges and losses, PED has calculated wheeling charges for LT and HT/EHT level. As per segregated ARR, out of total wheeling cost, O&M cost and other cost has been separated, O&M cost is allocated between LT, HT and EHT level based on number of consumers, whereas other cost allocated between LT, HT and EHT level as per assets allocation ratio. Parameters assumed for allocation of wheeling cost at LT, HT and EHT level as given below: -

Table 9-1: Parameters assumed for voltage-wise allocation of Wheeling Cost

Category	Consumers	Asset Allocation (%)	Sales (MU)	Cumulative Voltage wise Losses (%)
Low Tension (LT) Level	5,33,904	50.00%	1332.55	18.60%
High Tension (HT)	564	40.00%	1126.15	5.44%
Extra High Tension(EHT) Level	13	10.00%	688.59	0.00%
Total	5,34,481	100%	3147.29	10.50%

9.2.3 Based on above assumption of parameters, the wheeling charge at LT and HT/EHT

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level has been determined as shown below.

Category	O&M	Others	Total	Total re-distributed cost (based on Input energy)	Sales (MU)	Wheeling Charges (Rs/kWh)
Low Tension (LT) Level	67.33	42.35	109.69	132.81	1332.55	1.00
High Tension (HT)	0.07	33.88	33.95	18.09	1126.15	0.16
Extra High Tension (EHT) Level	0.00	8.47	8.47	1.23	688.59	0.02
Total	67.40	84.71	152.11	152.12	3147.29	

9.2.4 PED requests the Hon'ble Commission to approve wheeling charges for different categories as determined in above table.

9.3 Additional Surcharge

9.3.1 The Hon'ble Commission has notified the Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Connectivity and Open Access in Intra-State Transmission and Distribution) Regulations, 2017. The Regulation 4.5 (1) of the said Regulations states the following:

"An Open Access Consumer, receiving supply of electricity from a person other than the Distribution Licensee of his area of supply, shall pay to the Distribution Licensee an additional surcharge in addition to wheeling charges and cross-subsidy surcharge, to meet the fixed cost of such Distribution Licensee arising out of his obligation to supply as provided under sub-section (4) of Section 42 of the Act:

Provided that such additional surcharge shall not be levied in case Open Access is provided to a person who has established a captive generation plant for carrying the electricity to the destination of his own use."

Regulation 4.5 (2) of the said Regulations stipulates:

This additional surcharge shall become applicable only if the obligation of the Licensee in terms of power purchase commitments has been and continues to be stranded or there is an unavoidable obligation and incidence to bear fixed costs by the Licensee consequent to such a contract. However, the fixed costs related to network assets would be recovered through wheeling charges"

9.3.2 Further, Regulation 5.2 (1) (b) states the following:

"The quantum of drawal of electricity by a partial Open Access Consumer from the

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Distribution Licensee during any Time Block of a Day should not exceed the "Admissible Drawl of Electricity by the Open Access Consumer" which is the difference of Contract Demand and maximum quantum of Open Access for which approval has been granted by the Nodal Agency.

[Illustration: If an Open Access Consumer with a Contract Demand of 10 MW has been given an approval for a maximum Open Access quantum of 6MW for a period of 3 Months, the Admissible Drawl of Electricity from the Distribution Licensee during any Time Block shall be 4 MW for any Day during a period of 3 Months.]”

- 9.3.3 In line with the above Regulations, PED has determined additional surcharge as per the table below:

Table 9-2: Additional Surcharges for FY 2024-25

Particulars	FY 2024-25
Total Power Purchase cost	1,733.30
Fixed Cost component in Power Purchase Cost (excluding Transmission Charges)	311.05
Energy Sales (MU)	3,147.37
Additional Surcharge (Rs/kWh)	0.99

- 9.3.4 PED requests the Hon'ble Commission to approve additional surcharge of Rs.0.99/kWh as determined in above table.

9.4 Computation of Cross Subsidy Surcharge for FY 2024-25

- 9.4.1 The National Electricity Policy as stipulated by the Central Government provides that –Under sub – section (2) of Section 42 of the Act, a surcharge is to be levied by the respective State Commissions on consumers switching to alternate supplies under open access. This is to compensate the host distribution licensee serving such consumers who are permitted Open Access under Section 42 (2), for loss of cross subsidy element built into the tariff of such consumers. An additional surcharge may also be levied under sub – section (4) of section 42 of the said Act for meeting the fixed cost of the distribution licensee arising out of obligation to supply in cases where consumers are allowed open access.

- 9.4.2 The Government of India has notified the National Tariff Policy, 2016 on 28th January 2016. The Cross-subsidy surcharge is based on the following formula given in the Tariff Policy, 2016 which is as follows:

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

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Where,

S is the surcharge

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

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

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

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

R is per unit cost of carrying regulatory assets.

9.4.3 However, calculation of Cross subsidy surcharge is calculated in this chapter as per methodology adopted by Hon'ble Commission in last tariff order for FY 2023-24.

9.4.4 Voltage wise losses for EHT and HT are considered at 1.50% and 5.44% respectively. In order to maintain the Intra-State T&D losses at 10.50% for FY 2024-25 as proposed in Business Plan for MYT control period FY 2022-23 to 2024-25, cumulative losses at LT level is considered 17.85%.

Voltage wise energy sales based on Sales for FY 2024-25 is considered and accordingly level wise calculation of energy input considering above voltage wise losses is arrived at as under:

Table 9-3: Energy Input at each voltage level (MU)

Category	Energy Sales (MU)	Cumulative Losses (%)	Energy Input (MU)
Low Tension (LT) Level	1332.55	18.60%	1637.09
High Tension (HT)	1126.15	5.44%	1190.94
Extra High Tension(EHT) Level	688.59	0.00%	690.59
Total	3147.29	10.50%	3516.61

9.4.5 Overall ARR arrived for FY 2024-25 is divided into variable and fixed ARR with variable ARR comprising of variable component of the power purchase cost and fixed ARR comprising of all the other costs.

9.4.6 The fixed component comprising of fixed cost of power purchase, O&M etc. is further allocated to each voltage category as per the following principles:

- The fixed cost of power purchase is assigned to each voltage level on the basis of energy input at respective voltage levels.

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- The O&M expenses are allocated to each voltage level on the basis of the number of consumers. The resultant cost allocated to EHT, HT and LT levels is then further allocated between EHT, HT and LT level on the basis of input energy, as the EHT and HT network is utilized by both EHT and HT consumers and HT network is utilized by both HT and LT network consumers.
- The remaining fixed costs are allocated on the basis of voltage wise asset allocation assumed earlier and further allocated to respective voltage levels on the basis of input energy.

Table 9-4: Parameters used for allocation of fixed costs

Category	Energy Input (MU)	Voltage wise Asset Allocation (%)	Number of Consumers
Low Tension (LT) Level	1,637.09	50.00%	5,33,904
High Tension (HT)	1,190.94	40.00%	564
Extra High Tension(EHT) Level	688.59	10.00%	13
Total	3,516.61	100.00%	5,34,481

9.4.7 The Variable component of the Power purchase cost is allocated on the basis of energy input.

9.4.8 The Voltage wise cost of supply (VCoS) is then calculated on the basis of energy sales of respective categories. Accordingly, the VCoS is determined as shown in the table below:

Table 9-5: Voltage wise Cost of Supply

Category	Allocated Fixed Cost (Rs Cr)			Allocated Variable Cost (Rs Cr) @Input Energy	Total Cost (Rs Cr)	Energy Sales (MU)	VCoS (Rs/kwh)
	Power Purchase FC @ Input Energy	O&M FC @ No. of Consumer	Other FC @ Asset allocation				
Low Tension (LT) Level	145	151	50	662	1008	1,333	7.56
High Tension (HT)	105	0	40	482	627	1,126	5.57
Extra High Tension(EHT) Level	61	0	10	278	349	689	5.07
Total	311	151	99	1422	1984	3,147	6.30

9.4.9 As per above VCoS calculated and applicable level wise ABR level, following is the Cross-subsidy surcharge for FY 2024-25.

Table 9-6: Cross Subsidy Surcharge

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Category	VCoS (Rs/kWh)	ABR (Rs/kWh)	Cross-Subsidy (Rs/kWh)
Low Tension (LT) Level	7.56	6.30	Nil
High Tension (HT)	5.57	7.95	2.39
Extra High Tension(EHT) Level	5.07	6.99	1.91

9.4.10 Based on the above computations, PED requests the Hon'ble Commission to approve the cross-subsidy surcharge of Rs.2.39/kWh for HT and Rs. 1.91/kWh for EHT consumers in FY 2024-25.

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CHAPTER 10. COMPLIANCE OF THE DIRECTIVES OF HON'BLE COMMISSION

10.1 Preamble

10.1.1 This section lists the directives issued by the Hon'ble Commission in the previous tariff order and the status of their compliances.

10.2 Status of Compliance

Table 10-1: Status of Compliance of directives

Sl.No.	Description / Directive issued by the Hon'ble JERC in Tariff Order 2021-22	Earlier reply Submitted by the Electricity Department, Puducherry	Description / Directive issued by the Hon'ble JERC in Tariff Order 2022-23	Present Status of compliance by the Electricity Department, Puducherry
1.	Energy Audit and T&D Losses: The Commission has taken a serious view of the fact that the Petitioner has been unable to submit the Energy Audit Report along with the Tariff Petition for FY 2022-23. As per the timelines envisaged by the Petitioner the Energy Audit Report should be completed by March 2021 therefore the Commission directs the Petitioner to submit the same within 1 month of issue of this Order.	BEE has awarded the work of Energy Audit at Feeder Level and to ascertain the T & D Losses the work has been taken up by M/s. Zenith Energy India (P) Limited. M/s. Zenith has collected all base line data required for Energy Audit for 4 years (FY 2017-18 to 2020-21). The report is yet to receive from Zenith. The same will be submitted to the Commission shortly.	The Commission has taken a serious view of the fact that the Petitioner has not submitted the Energy Audit Report along with the Tariff Petition for FY 2022-23. As per the timelines envisaged by the Petitioner the Energy Audit Report should be completed by March 2021 therefore the Commission directs the Petitioner to submit the same within 1 month of issue of this Order.	M/s Zenith Energy India (P) Ltd. has submitted the Base line energy audit for the 4 Financial years from FY 2017-18 to 2020-21 and the same is submitted herewith. Further it is also to be stated that since BEE has stipulated mandatory conduct of energy audit by DISCOMs through BEE accredited Energy Auditor this Department has floated a tender for carrying out Energy audit for the period from FY 2021-22 to FY 2023-24. M/s A-Z Energy Engineers Pvt Ltd, New Delhi has been appointed as Energy Auditor. Accordingly Energy Account and Audit for the year FY-2020-21 & FY-2021-22 has been completed & submitted to BEE.

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Sl.No.	Description / Directive issued by the Hon'ble JERC in Tariff Order 2021-22	Earlier reply Submitted by the Electricity Department, Puducherry	Description / Directive issued by the Hon'ble JERC in Tariff Order 2022-23	Present Status of compliance by the Electricity Department, Puducherry
				Energy Accounting and Auditing for FY-2022-23 is under process
2.	<i>Proposal of the Energy Charges for the agriculture category:</i> The Commission takes note of the efforts of the Petitioner in this regard and directs the Petitioner to provide 100% metering to all agricultural consumers as proposed by the Petitioner. The Commission directs the Petitioner to submit a report on the same within 1 month of issue of this Order.	The provision for metering in Agriculture services have been included in the RDSS scheme under pre-paid smart meter scheme. The same shall be completed shortly.	The Commission takes note of the efforts of the Petitioner in this regard and directs the Petitioner to provide 100% metering to all agricultural consumers as proposed by the Petitioner. The Commission directs the Petitioner to submit a report on the same within 1 month of issue of this Order.	The provision for metering in Agriculture services have been included Under Part A of RDSS scheme - Smart metering - wherein it is proposed to convert 4.06lacs meters into Smart pre paid meters at a cost of Rs.251 Crs. This project is to be implemented through M/s PFCCCL as PIA under TOTEX model. The e tender for selection of the Advanced metering Infrastructure provider (AMISP) has been opened on 2/11/2022 and expenditure sanction of the Government of Puducherry has been obtained 17-11-2023. LOA is to be awarded by M/s.PFCCCL to L1 Bidder.

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3.	Determination of Voltage wise Wheeling charges and Category wise/ Voltage wise Cost of supply: The Commission has taken a serious view of the fact that the Petitioner has been unable to submit the Voltage wise Asset Register or the Energy Audit Report. In light of the same, the Commission in this Tariff Order has again determined the voltage wise wheeling charges based on certain assumptions. The Commission directs the Petitioner to submit all the requisite information for determination of voltage wise wheeling charges along with petition for determination of tariff for FY 2022-23.	This Department is maintaining year wise Transmission and Distribution Asset Registers separately. However, the 22 KV & 11 KV infrastructure assets will be segregated from the Distribution asset and the report will be submitted. The Energy Audit report will be submitted shortly to the Commission.	Determination of Voltage wise Wheeling charges and Categorywise/ Voltage wise Cost of supply: The Commission has taken a serious view of the fact that the Petitioner has been unable to submit the Voltage wise Asset Register or the Energy Audit Report. In light of the same, the Commission in this Tariff Order has again determined the voltage wise wheeling charges based on certain assumptions. The Commission directs the Petitioner to submit all the requisite information for determination of voltage wise wheeling charges along with petition for determination of tariff for FY 2023-24.	EDP submits that the Voltage wise cost of supply has been submitted to the Hon'ble JERC.

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				that the AMISP would commence the work shortly. EDP proposes to replace the balance 32 nos HT industries with pre paid smart meter with Time of Day facility at the first instant of the project.
6.	Compliance of Renewable Purchase Obligations (RPO): The petitioner is directed to expedite the engagement of solar power suppliers to ensure compliance of the RPO obligations and a report thereof to be submitted along with the next tariff petition.	In order to meet the RPO, the Electricity Department Puducherry has already signed a Power Sale Agreement (PSA) with M/s. SECI towards purchase of 240.64 (100+140.64)MW of wind power and 50 MW of Solar Power from ISTS connected RE power projects of MNRE. Under the scheme introduced by GOI namely "Flexibility in generation and scheduling of Thermal Power Station" NTPC Simhadri Stage II has proposed 25 MW solar power plant for UT of Puducherry. Based on the availability of Renewable Energy from these plants, the RPO will be met partially.	The Commission takes note of the submission of the petitioner. The Petitioner is directed to expedite the engagement of solar power suppliers to ensure compliance of the RPO obligations and a report thereof to be submitted along with the next tariff petition.	1) Presently the Aggregate capacity of grid connected small and rooftop solar PP installed in the UT of Puducherry under the Net-Metering Regulations as on March 2023 is 46.00 MW. The quantum of energy injected into the grid from these plants is accounted for fulfilling a part of the Renewable Purchase Obligation (RPO) of the Department. 2)Solar Power Developer M/s. Waree Private Limited has set up grid connected solar PV power plant of capacity 10 MW at Polagam, Karaikal for sale of Solar Power to industrial consumer under long term open access. The quantum of energy injected into

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		Further the Electricity Department Puducherry has also signed a PSA with NTPC for procurement of 100 MW of Solar Power.		the grid from this plant is also accounted for fulfilling the Renewable Purchase Obligation (RPO) of the Department. 3)Further EDP is receiving the following RE power: - 100MW of Solar power from NTPC and has been receiving RE power from 9/5/2022 which is being accounted for RPO - 144.90 MW of Solar RE power from SECI EDP submits to inform that the RE power from the above sources would be sufficient to fulfill EDP's RPO obligation.


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4.	New Bill Format: The Commission takes note of the efforts by the Petitioner in this regard. The Commission directs the Petitioner to submit a report on the progress of the same within 1 month of issue of this Order.	The software for new bill format has been developed and implemented in Urban Area of Puducherry and the action is being taken to implement the same to other regions and rural areas of Puducherry and it is expected to be completed by Jan 2021.	The Commission takes note of the efforts by the Petitioner in this regard. The Commission directs the Petitioner to submit a report on the progress of the same within 1 month of issue of this Order.	Government sanction has been sought for the purchase 200 nos of hand held blue tooth enabled bill printing machine for issue of on the spot CC bills to the consumers for the remaining areas of the UT of Puducherry. All the consumers of the UT of Puducherry would be served real time CC bills shortly.
5.	Time of Day (ToD) Tariff for HT / EHT Consumers: The Commission takes note of the efforts by the Petitioner in this regard. The Department directs the Petitioner to submit a report on the progress of the same within 1 month of issue of this Order	Out of existing 473 Nos. of HT/EHT consumers, 441 nos. of consumers have been provided with TOD enabled Energy meters. For balance 32 Nos. of consumer metering, action will be taken to provide TOD enabled meters by January 2022.	The Commission takes note of the efforts by the Petitioner in this regard. The Department directs the Petitioner to submit a report on the progress of the same within 1 month of issue of this Order.	Out of existing 473 Nos. of HT/EHT consumers 441 nos. of consumers have been provided with TOD enabled Energy meters. Since the Government of India has directed for conversion of all existing meters with Pre paid smart meters before December 2023 and this project is being executed through M/s PFFCL as PIA under TOTEX mode. The tender for selecting the AMISP provider has been opened and the process for selection of the bidder is in progress and on issue of letter of award it is expected

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7.	Utilising the provision of the FPPCA formula: Compliance The Commission observed that the Petitioner has still not implemented FPPCA mechanism. The Petitioner is not recovering/refunding any revenue pertaining to FPPCA from/to consumers. This may affect their cash flow. Therefore, the Commission directs the petitioner to make use of the FPPCA formula for any adjustments on account of fuel and power purchase cost variation on quarterly basis from FY 2021-22 onwards and submit the supporting bills/documents for the FPPCA calculations on quarterly basis to the Commission for evaluation and assessment.	The first quarter of FPPCA calculation has been submitted to JERC. The second quarter is under preparation and the same will be submitted shortly.	The Commission observes that the Petitioner has not yet implemented FPPCA mechanism. FPPCA can be levied up to 10% of ABR without waiting for prior approval of the Commission as provided in Chapter 8 of this Order. Accordingly, the Petitioner is directed to implement FPPCA immediately and submit the compliance of the same to the Commission within 120 days of issuance this Tariff Order.	The FPPCA for Q1 of FY-2023-24 is being collected after obtaining the approval of Hon'ble JERC and GOP. Similarly for Q2 will be arranged to be collected.
8.	Category-wise per KW/ KVA data: The Commission directs the	The Same will be submitted during the TVS of Tariff Petition for FY 2022-23.	The Commission takes note of the submission of the petitioner.	The same is under preparation and would be submitted shortly

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	Petitioner to start capturing the connected load / contracted demand data for all the categories and submit the same to the Commission in the next tariff petition.			
9.	New Billing Software: The Commission observes that the implementation of the new billing software is pending since 2 years. The Commission directs the Petitioner to ensure quick implementation of the new software so that accurate and complete data is captured and made available for true-up and determination of tariff.	PED is in the Process of upgrading the billing software. PED had requested the National Informatics Centre to develop Meter Reading Billing and Collection web-based Software which has been operationalized now in Puducherry city. It is expected to cover the whole UT within next 2 months.	The Commission takes note of the petitioner's submission and the Petitioner is directed to submit a report on the progress of the same within 1 month of issue of this Order.	The new billing software developed by NIC has been implemented in the outlying regions of Mahe and Yanam. In respect of Puducherry region the new billing software has been implemented in the Urban Division. Since the number of services with respect to Karaikal and other Divisions of Puducherry region is voluminous the implementation is being done in a phased manner. The same is expected to be completed within 3 months in co ordination with NIC. Portable blue tooth printers are being procured to issue real-time spot billing to consumers.

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10.	Fixed Assets Register: The Commission directs the petitioner to ensure preparation of FAR and submit the same to the Commission along with the next tariff petition.	Complied.	The Commission observed that after repeated communication FAR is not received in Soft as well as in hard Copy. The Petitioner is once again directed to submit the same within 1 month of issue of this Order.	The web link for the soft copy of the Fixed Asset r furnished below: https://drive.google.com/drive/folders/1kylUhnJT2EhKOpN9NjHvrJp9Pjvq7RI?usp=sharing
11.	Quarterly Status Reports: It has been observed that quarterly status reports for metering & billing, RPO compliance, FPPCA, SOPs, Capex and Capitalisation, and CGRF are not being submitted to the Commission in a regular and timely manner. The Commission directs the Petitioner to submit aforementioned reports regularly along with the supporting documents.	PED submits that the all the quarterly report has been submitted in timely manner. The Directive of the Commission will be complied in future also.	The Commission takes note of the submission of the petitioner.	PED once again submits to inform that the all the quarterly report viz has been submitted in timely manner. The Directive of the Commission will be continued to be complied in future also.

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New Directives in the Tariff Order 2022-23:

Sl.No.	Directive	Present Status of compliance by the Electricity Department, Puducherry
1.	9.2.1. DPR for the "Revamped Distribution Sector Scheme (Reform Based Result Linked Scheme) The Commission directs the petitioner to provide DPR for the "Revamped Distribution Sector Scheme (Reform Based Result Linked Scheme) within three months from the date of this order.	EDP has submitted the details of the RDSS to the commission in the Business Plan for the Control period FY 2022-23 to FY 2024-25. In this connection it is to be stated that the DPR has been approved by the Government only during September 2022. As such the soft copy of the approved DPR has already been submitted to Hon'ble Commission on 22-11-2022.
2.	DPR for the project of the metering of all consumers (except Agriculture) with smart meters with prepayment The Commission directs the petitioner to provide DPR for the project of the metering of all consumers (except Agriculture) with smart meters with pre payment made by December 2023 as soon as	EDP has submitted the details of the Pre-paid Smart meter part of RDSS to the commission in the Business Plan for the Control period FY

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	possible for the consideration of the Commission.	2022-23 to FY 2024-25. In this connection it is to be stated that the DPR has been approved by the Government and the approved DPR has already been submitted to Hon'ble Commission on 22-11-2022. It is also to be stated that since the percentage of the number of Agriculture services is very meager, fixing of smart meters has also been contemplated for Agriculture services also.
3.	<i>Field level information such as Category wise break-up of costs related to Metering, Billing and Collection etc.</i> The Commission strongly believes that determination of Category wise Cost of Supply is essential to ensure cost reflectivity in tariffs fixed for different categories. However, the Commission feels that to carry out this exercise a lot of field level information would be required such as Category wise co-incident and non-co-incident demand, Voltage wise value of assets (Voltage wise asset ratio), Voltage wise losses, Category wise break-up of costs related to Metering, Billing and Collection etc., which currently the Petitioner doesn't maintain. Therefore, the Commission directs the Petitioner to start maintaining field level information such as Category wise co-incident and non-co-incident demand, Voltage wise value of assets (Voltage wise asset ratio), Voltage wise losses, Category wise break-up of costs related	EDP submits that category wise break up of costs relating MBC is very difficult for the Department as no MIS/ERP solution is implemented at the Department. It is therefore requested that Hon'ble Commission

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	to Metering, Billing and Collection etc., and submit the same in the tariff proceedings of next year.	may give time to implement ERP & MIS system at Electricity Department through which field level information abstract could be obtained.
4.	<i>Separate Accounting for Regulatory Surcharge</i> The Commission directs the Petitioner to maintain the separate accounting for Regulatory Surcharge.	EDP is maintaining separate accounting for Regulatory Surcharge as per the directions of JREC.
5.	<i>Sale of surplus Power in the open market</i> The Commission directs the Petitioner to adhere to the MOD schedule and in case surplus power same should be sold in the open market when available open market rates are higher than variable rate of power to be sold else transaction should strictly be avoided.	The Department has engaged M/s. PTC as Consultant for real time power portfolio Management which includes sale of surplus power. Online trading of surplus power being carried by the department from 27-4-2023.

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CHAPTER 11. PROPOSED TARIFF SCHEDULE FOR FY 2024-25

11.1 Tariff Schedule for FY 2024-25

11.1.1 PED requests the commission to approve the following proposed tariff schedule and base rates for FY 2024-25.

11.1.2 The tariff indicated in this tariff schedule is the tariff rate proposed to be payable by the consumers of Union Territory of Puducherry.

11.1.3 A Regulatory Surcharge of 4.00% shall be applicable to all the consumer categories as a percentage of the total Energy and Demand charges payable by the consumer towards recovery of past accumulated deficit subject to approval from Hon'ble Commission.

11.1.4 These tariffs are exclusive of electricity duty, tax on sale of electricity, taxes and other charges levied by the Government or other competent authorities from time to time.

11.1.5 Unless otherwise agreed to, these tariffs for power supply are applicable to single point of supply.

11.1.6 The power supplied to a consumer shall be utilized only for the purpose for which supply is taken and as provided for in the tariff. If energy supplied for a specific purpose under a particular tariff is used for a different purpose, not contemplated in the contract for supply and / or for which higher tariff is applicable, it will be deemed as unauthorized use of electricity and shall be dealt with for assessment under the provisions of section 126 of the Electricity Act, 2003 & Supply Code Regulation notified by JERC. Provided that,

- a) If a portion of the domestic premises limited to only one room is used for running small household business having connection under domestic category, such connection shall be billed under domestic category provided that the total monthly consumption of the consumer (including consumption for above mentioned small household business) does not exceed 150 kWh.
- b) If either more than one room or only one room having monthly consumption exceeding 150 kWh for consecutive three months is detected in the domestic premises being used for mixed purposes having domestic connection, such connection shall further be billed under commercial category until a separate

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connection of appropriate tariff is taken for that portion used for non-domestic purpose.

- 11.1.7 If the consumer fails to pay the energy bill presented to him by the due date, the Department shall have the right to disconnect the supply as per the Act & Supply Code Regulations notified by JERC.
- 11.1.8 Fixed charges, wherever applicable, will be charged on pro-rata basis from the date of release of connection. Fixed charges, wherever applicable, will be double as and when bi-monthly billing is carried out, similarly slabs of energy consumption will also be considered accordingly in case of bi-monthly billing.
- 11.1.9 The billing in case of HT/EHT shall be on the maximum demand recorded during the month or 85% of contracted demand, whichever is higher. If in any month, the recorded maximum demand of the consumer exceeds its contracted demand, that portion of the demand in excess of the contracted demand shall be billed at double the normal rate. Similarly, energy consumption corresponding to excess demand shall also be billed at double the normal rate. The definition of the maximum demand would be in accordance with the provisions of the Supply Code Regulation notified by JERC. If such over-drawl is more than 20% of the contract demand then the connections shall be disconnected immediately.

Explanation: Assuming the contract demand as 100 KVA, maximum demand at 120 KVA and total energy consumption as 12000 kWh, then the consumption corresponding to the contract demand will be 10000 kWh ($12000 \times 100 / 120$) and consumption corresponding to the excess demand will be 2000 kWh. This excess demand of 20 KVA and excess consumption of 2000 kWh will be billed at twice the respective normal rate. Such connections drawing more than 120 kVA, shall be disconnected immediately.

- 11.1.10 Unless specifically stated to the contrary, the figures of energy charges relate to Rs per unit (kWh) charge for energy consumed during the month.
- 11.1.11 Delayed payment surcharge shall be applicable to all categories of consumers. Delayed payment surcharge of 2% per month or part thereof shall be levied on all arrears of bills. In case of delay less than a month, the surcharge will be levied at 2% per month on proportionate basis considering a month consists of 30 days. Such surcharge shall be rounded off to the nearest multiple of one rupee. Amount

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less than 50 paisa shall be ignored and amount of 50 paisa or more shall be rounded off to next rupee. In case of permanent disconnection, delayed payment surcharge shall be charged only up to the month of permanent disconnection.

11.1.12 Advance Payment Rebate: If payment is made in advance well before commencement of consumption period for which bill is prepared, a rebate @ 1% per month shall be given on the amount (excluding security deposit) which remains with the licensee at the end of the month. Such rebate, after adjusting any amount payable to the licensee, shall be credited to the account of the consumer.

11.1.13 Prompt Payment Rebate: If payment is made at least 7 days in advance of the due date of payment a rebate for prompt payment @ 0.25 % of the bill amount shall be given. Those consumers having arrears shall not be entitled for such rebate.

Provided that in case the payment is made by cheque, the prompt payment discount will be applicable only if the payment by cheque is made 3 days prior to date of availing the prompt payment discount i.e. before 10 days from the due date of payment.

11.1.14 Time of Day (ToD) Tariff

- i. Under the Time of Day (ToD) Tariff, electricity consumption and maximum demand in respect of HT/EHT consumers for different periods of the day, i.e. normal period, peak load period and off-peak load period, shall be recorded by installing a ToD meter.
- ii. The maximum demand and consumption recorded in different periods shall be billed at the following rates on the tariff applicable to the consumer.

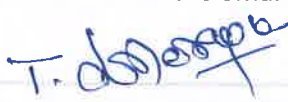
Table 11-1: ToD charges

Time of use	Demand charges	Energy charges
Normal period (6:00 a.m. to 6:00 p.m.)	Normal rate	Normal rate of Energy charges
Evening Peak load period (6:00 p.m. to 10:00 p.m.)	Normal rate	120% of normal rate of Energy charges
Off-peak load period (10:00 p.m. to 6:00 a.m.)	Normal rate	90% of normal rate of Energy charges

- iii. Applicability and Terms and Conditions of TOD tariff:

1. The Commission directs the Petitioner to introduce the TOD tariff as mentioned above urgently including installation of the Smart Meters to capture ToD consumption.

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2. The facility of aforesaid TOD tariff shall not be available to the HT/EHT consumers having captive power plants and/or availing supply from other sources through wheeling of power
3. The HT/EHT industrial consumers who have installed standby generating plants shall also be eligible for the aforesaid TOD tariff
4. In the event of applicability of the TOD tariff to a consumer, all other terms and conditions of the applicable tariff shall continue to apply

11.2 Low Tension Supply

LT supply limit for all categories: For single phase connection, the connected load shall not exceed 5 kW, and for 3 phase connection, the connected load shall not exceed 100 kVA

Domestic Purposes

11.2.1 Domestic Purposes (A2)

1. This tariff is applicable to services for lights, fans, air-conditioning, heating and other small domestic appliances etc. used for:
 - a) Genuine domestic purposes including common services for stair-case, lifts, water tanks in the purely domestic apartments.
 - b) Supply to actual places of public worship such as temples, mosques, churches etc.
 - c) Ashrams and Mutts, non-commercial orphanage homes and old people homes run by religious and charitable institutions, social welfare and voluntary organizations.
 - d) Youth hostels, Harijan hostels, Rehabilitation Centres, Anganwadies and Balwadies run by Social Welfare Department.
 - e) All Government Schools along with related facilities
 - f) For own residences where one room is set apart for the purpose of consultation by doctors, lawyers, engineers, architects and auditors.
 - g) To handloom in residence of handloom weavers (regardless of the fact whether outside labour is employed or not) and to handloom in sheds erected.
 - h) To the residences where supply from a house is extended to tailoring shops, job typing, document writing, laundry pressing, and small caterers set up in the verandah of the house with small lighting load only (one tube light only).
2. The charges for domestic service are as indicated in the table below:

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Table 11-2: Existing and Proposed Charges for Domestic Category

Consumption Range	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
0-100 units per month	Rs.30/ kW/month	Rs. 2.25 /kWh	Rs.30/ kW/month	Rs. 2.75 /kWh
101-200 units per month	Rs.30/ kW/month	Rs. 3.25 /kWh	Rs.30/ kW/month	Rs. 4.00 /kWh
201-300 units per month	Rs.30/ kW/month	Rs. 5.40 /kWh	Rs.30/ kW/month	Rs. 6.00 /kWh
Above 300 units per Month	Rs.30/ kW/month	Rs. 6.80 /kWh	Rs.30/ kW/month	Rs. 7.50 /kWh

PED has proposed to increase the Energy charge from Rs.2.25/kWh to Rs.2.75/kWh for first 100 units, from Rs.3.25/kWh to Rs.4.00/kWh for next 101-200 units, Rs. 5.40/kWh to Rs. 6.00 kWh for next 201-300 units and Rs.6.80/kWh to Rs.7.50/kWh for above 300 units consumer.

3. The method of billing of charges shall be as explained below (specifically for FY 2021-22).
 - a) Say units billed in a month are 80 units. Then the fixed charges will be Rs. 40/kW/month and energy charges Rs. 220 (80 units X Rs 2.75/unit).
 - b) In case the units billed are 275, then the fixed charges will be Rs. 60/kW/month and energy charges will be Rs 1,125 (100 units X 2.75 + 100 units X 4.00 + 75 units X 6.00).

11.2.2 LIFELINE SERVICES (A3)

1. OHOB connections have been converted into metered connections hence, from 1st April, 2020 they have been charged as per metered tariff upto 50 units at INR 1.95/ kWh and Rs.10/Kw/month as Fixed Charges. If the consumption exceeds 50 units then Domestic tariff shall be applicable.
2. The charges for life Line Services/ hut services (OBOH) are as indicated in table below:

Table 11-3: Existing and Proposed Charges for Hut Category

Description	Fixed Charges	Existing Charges	Fixed Charges	Proposed Charges
Life Line Services/ OHOB	Rs.10/KW/Month	Energy Charges- Rs.1.45/kWh	Rs.10/KW/Month	Energy Charges- Rs.1.95/kWh

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11.2.3 LT COMMERCIAL (A1)

1. This tariff is for lights and combined installation of lights and fans, mixed loads of lights and power, heating and air-conditioning applicable to:
 - a) Non-domestic and non-industrial consumers, trade and commercial premises.
 - b) All Educational institutions excluding Government schools along with related facilities
 - c) Hotels, Restaurants, Boarding and Lodging Homes.
 - d) Hospitals, Private clinics, Nursing Homes, Diagnostic Centre's, X-ray Units etc.
 - e) IT related development centres and service centres.
 - f) Common services for stair-case, lifts, water tanks etc. in the purely commercial /combination of commercial and domestic.

2. The charges are as indicated in the table below.

Table 11-4: Existing and Proposed Charges for LT Commercial Category

Consumption Range	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
0-100 units per month	Rs.75/kW/Month	Rs.6.00/kWh	Rs.100/kW/Month	Rs.6.50/kWh
101-250 units per month	Rs.75/kW/Month	Rs.7.05/kwh	Rs.200/kW/Month	Rs.8.00/kWh
Above 250 units per month	Rs.75/kW/Month	Rs.7.80/kWh	Rs.200/kW/Month	Rs.9.00/kWh

AGRICULTURE SERVICES (D)

Agriculture/ Cottage Industries etc.

11.2.4 Agriculture (D1)

For supply to bonafide agricultural services with a connected load of not less than 3 HP per service.

Table 11-5: Existing and Proposed Charges for Agriculture Category

Consumer Category	Existing Fixed Charges	Proposed Fixed Charges
Small Farmers	Rs. 20.00/HP/Month	Rs. 20.00/HP/Month
Other Farmers	Rs. 75.00/HP/ Month	Rs.75.00/HP/ Month

PED has proposed no hike for Small farmers & Other farmers.

Note:

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- a. Electricity will be supplied under the tariff category "Small farmers" to those consumers whose families are solely dependent on the income derived from their agricultural land holding, which should not exceed two and half acres of wet land or five acres of dry land. A certificate to this effect from Revenue authority shall be produced. "Small farmer means a person whose total holding, whether as owner, tenant or mortgaged with possession or partly in one capacity and partly in another, does not exceed two-and-a half acres of wet lands or five acres of dry land. In computing the extent of land held by a person who holds wet and dry lands, two acres of dry land shall be taken as equivalent to one acre of wet land.
- b. The above concession will be withdrawn if resale of energy or unauthorized load / extension or use for other purpose is detected by the Department.
- c. Agricultural power loads below 3 HP will be charged under Tariff Category A1. A bonafide farmer may use his motor in the Agricultural Service for allied agricultural purposes such as sugarcane crushing, thrashing etc. with the prior approval of concerned Executive Engineer (Operation & Maintenance), Electricity Department.
- d. Power supply to Farm Houses shall be metered separately and charged under domestic tariff (A2).

Payment of Tariff Charges by Agriculture Consumers

- a. The Tariff shall be collected in three equal installments payable in April, August and December in each year. The installments shall be payable before the 15th of the respective months.
- b. For new service, the first installment shall be proportionate to the number of whole months remaining till the month in which the first installment is due. Fraction of a month shall be reckoned as a whole month

11.2.5 Cottage Industries /Poultry Farms/ Horticulture/Pisciculture (D2)

It is applicable to bonafide cottage industries, horticultural nurseries including plant tissue culture media, bonafide poultry farms and pisciculture.

The charges are as indicated in the table below:

Table 11-6: Existing and Proposed Charges for Cottage Industry

Consumption Range	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
0-100 units per month	Rs.30/ kW/month	Rs.2.25/kWh	Rs.30/ kW/month	Rs.2.75/kwh

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Consumption Range	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
101-200 units per month	Rs.30/ kW/month	Rs.3.25/kWh	Rs.30/ kW/month	Rs.4.00/Kwh
201-300 units per month	Rs.30/ kW/month	Rs.5.40/Kwh	Rs.30/ kW/month	Rs.6.00/Kwh
Above 300 units per Month	Rs.30/ kW/month	Rs.6.80/Kwh	Rs.30/ kW/month	Rs.7.50/kWh

PED has proposed to increase the Energy charge from Rs.2.25/kWh to Rs.2.75/kWh for first 100 units, from Rs.3.25/kWh to Rs.4.00/kWh for next 101-200 units, Rs. 5.40/kWh to Rs. 6.00/.kWh for next 201-300 units and Rs.6.80/kWh to Rs.7.50/kWh for above 300 units consumer.

Note:

1. *Cottage industries*

The following conditions should be satisfied in order that an industry may be classified as a bona fide cottage industry:

- It should be conducted entirely within the home; the home being deemed to be permanent residence of the proprietor.*
- The industry shall not cause any residence to constitute a factory within the meaning of the Factories Act, 1948.*
- Not more than two persons outside the immediate family of the proprietor shall be employed in the factory.*
- It should be certified by the Director of Industries that the industry for which power is used is a cottage industry.*
- The produce is not purely utilized mainly for the domestic consumption of the proprietor but should also be available for sale to the public.*

2. *Poultry farms*

The following conditions should be satisfied in order that the service may be classified as a bona fide poultry farm.

- The capacity of the farm shall be a minimum of 100 birds and maximum of 5,000 birds (both layer and broiler birds).*
- The application of the beneficiary seeking such concession shall be verified and recommended by the Animal Husbandry Department.*

3. *Horticultural/ Pisciculture*

The applications of the beneficiary seeking such concession shall be verified and recommended by the Director, Agriculture Department. For Pisciculture, applications

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of the beneficiary seeking such concession shall be verified and recommended by the Director, Fisheries Department.

11.2.6 Public Lighting

a. The tariff for public lighting will be as follows:

Table 11-7: Existing and Proposed Charges for Public Lightning

Consumer Category	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
Public Lighting	Rs.110/pole/month	Rs.6.80/kWh	Rs.110/pole/month	Rs.6.80/kWh

b. This tariff will also apply to public lighting in markets, bus stands, traffic signals, high mast lights on public ways, public parks, public lighting in notified industrial estates.

11.2.7 LT Industries

Applicable to low tension industrial consumers including lighting in the industrial services.

Table 11-8: Existing and Proposed Charges for LT Industrial

Consumer Category	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
LT Industrial	Rs.50.00/kW/Month	Rs.6.35/kWh	Rs.100/kW/Month	Rs.7.00/kWh

11.2.8 LT Water tanks:

Water Tanks including lighting in premises maintained by State Government Departments/ Undertakings and local bodies.

The charges are as indicated in the table below.

Table 11-9: Existing and Proposed Charges for LT Water Tanks

Consumer Category	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
LT Water tanks	Rs.150/ connection/month	Rs.7.20/kWh	Rs.500/ connection/month	Rs.7.20/kWh

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11.3 High Tension Supply

11.3.1 High Tension – I

High Tension Industries (For Supply at 11 kV, 22 kV or 33 kV)

- The supply voltage for HT consumer's up to 5000 kVA will be 33 kV, 22 kV or 11 kV as the case may be. Applicable to industrial establishments, IT and ITES based Companies registered under Factories Act/ Companies Act with contracted maximum demand up to 5000 kVA. New High-Tension consumers who want to avail a contract demand above 5000 kVA or existing High-Tension consumers who want to enhance their demand beyond total contract demand of 5000 kVA should avail power at 110 kV or 132 kV as the case may be.

High Tension Commercial

- For Commercial Establishments including Laboratories, Hotels, Marriage Halls, Cinema Theatres, Private educational Institutions, Private Hospitals, shopping Malls, Telephone exchanges, broadcasting companies with contracted maximum demand up to 5000 kVA. New High-Tension consumers who want to avail a contract demand above 5000 kVA or existing High-Tension consumers who want to enhance their demand beyond total contract demand of 5000 kVA should avail power at 110 kV or 132 kV as the case may be.

11.3.2 The demand and the energy charges are as indicated in the table below:

Table 11-10: Existing and Proposed Charges for High Tension I Category

Consumer Category	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
HT I Industries	Rs.420/ kVA/ Month	Rs.5.45/kVAh	Rs.450/ kVA/ Month	Rs.6.00/kVAh
HT I Commercial	Rs.420/ kVA/ Month	Rs.5.60/kVAh	Rs.450/ kVA/ Month	Rs.6.50/kVAh

PED has proposed to hike the existing energy charges from Rs.5.45 kVAh to Rs.6.00/ kVAh for HT I Industries & from Rs.5.60/ kVAh to Rs.6.50/ kVAh for HT I Commercial. Similarly, the fixed charge has been revised from Rs.420/KVA/Month to RS.450/KVA/Month for both HT-Industries and HT-Commercial.

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11.3.3 High Tension – II (HT Others)

- Applicable to State and Central Government establishments of non-industrial and non-commercial nature.
- The fixed/demand charges and energy charges are as indicated in the table below.

Table 11-11: Existing and Proposed Charges for High Tension II Category

Consumer Category	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
HT II (HT Others)	Rs.480/kVA/Month	Rs. 6.25/kVAh	Rs.500/kVA/month	Rs. 6.75/kVAh

11.3.4 High Tension – III

- Applicable to all types of industries supplied at 110 kV or 132 kV as the case may be
- The demand and energy charges are as indicated in the table below:

Table 11-12: Existing and Proposed Charges for High Tension III Category

Consumer Category	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
HT III EHT	Rs.480/kVA/month	Rs. 5.50/kVAh	Rs.500/kVA/month	Rs. 6.00/kVAh

PED has proposed to hike the existing energy charges from Rs.5.50/ kVAh to Rs.6.00 / kVAh for HT – III. Similarly PED has revised the Fixed charges from Rs.480/KVA/Month to Rs.500/KVA/Month

Supply Voltage for all HT categories

The supply voltage for HT consumer's up to 5000kVA will be 33 kV, 22 kV or 11 kV as the case may be. New High-Tension consumers who want to avail a contract demand above 5000 KVA or existing High-Tension consumers who want to enhance their demand beyond total contract demand of 5000 kVA should avail power at 110 KV or 132 KV as the case may be.

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11.4 Temporary Supply

- a. The tariff applicable and minimum charges for the temporary supply of energy will be as follows:

Table 11-13: Existing and Proposed Charges for Temporary Supply

Description	Existing Charges		Proposed Charges	
	Minimum charge	Tariff applicable for entire consumption (Rs. /kWh)	Minimum charge	Tariff applicable for entire consumption (Rs. /kWh)
Lights or combined installation of lights and fans, motive power, heating and others		Tariff for Temporary Connection shall be Fixed/ Demand charges (if any) plus energy charges (for relevant slab, if any) under corresponding permanent supply category plus 50% of both. For multi activity pursuit, applicable Tariff for temporary connection shall be with reference to that of non-domestic category for permanent supply.		Tariff for Temporary Connection shall be Fixed/ Demand charges (if any) plus energy charges (for relevant slab, if any) under corresponding permanent supply category plus 50% of both. For multi activity pursuit, applicable Tariff for temporary connection shall be with reference to that of non-domestic category for permanent supply.

NOTE:

- The rate for Special illumination shall apply to weddings, garden-parties and other Private/Government functions when the illumination is obtained through bulbs fastened in other surfaces of wall of buildings, on trees and poles inside the compound and in pandal etc., outside the main building.*
- In cases where such Special illumination is done in the existing regular services the energy utilized for such illumination shall be metered separately and the consumption will be charged under Special illumination charge as levied under temporary supply.*
- Wherever such Special illumination is done unauthorized, a penal charge of Rs. 500 for service shall be levied in addition to the existing tariff of the installation.*
- Other conditions for connection of line and service connection charges, dismantling, security deposit etc. will be as per the latest Supply Code Regulations notified by JERC.*

11.5 Hoardings and Sign boards

Electricity for lighting external advertisements, external hoardings and displays at departments stores, malls, multiplexes, theatres, clubs, hotels, bus shelters, Railway Stations shall be separately metered and charged at the tariff applicable for "Advertisements and Hoardings" category, except such displays which are for the purpose of indicating / displaying the name and other details of the shop, commercial

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premises itself. Such use of electricity shall be covered under the prevailing tariff for such shops or commercial premises. The connection for "Advertisements and Hoardings" category would be covered under the permanent supply of connection under commercial category.

Table 11-14: Existing and Proposed Charges for Hoardings and Sign boards

Consumer Category	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
Hoardings/signboards	Rs.140.00/kVA/Month	Rs.8.00/kWh	Rs.200.00/kVA/Month	Rs.9.50/kWh

11.6 ELECTRIC VEHICLE CHARGING STATIONS:

This tariff schedule shall apply to consumer that have set up Public Charging Station (PCS) in Accordance with the technical norms/standards/specifications laid down by Ministry of Power,GOI, and Central Electricity Authority (CEA) form time to time .

Description	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
Electric Vehicle Charging Stations	---	Rs.5.33/kvah	---	Rs.6.00/Kvah

CHAPTER 12. PROPOSED SCHEDULE OF SERVICES AND CHARGES

12.1 Charges for service connections

12.1.1 The following table shows the charges for service connections

Table 12-1: Proposed Service Connection Charges

	Particulars	Category	Existing Charges (Rs.)	Proposed Charges [Rs]
(A)	New LT/ HT overhead service lines	(I) One hut one Bulb	Nil	Nil
		(ii) Other single-phase Services	250	250
		(iii) Three phase Services	500	500
		(iv)L. T C.T operated Meter services	3000	3000
		(v) H.T Services	10000	10000
(B)	New LT underground service lines	(i) Single Phase services -	500	500
		(ii) Three phase Services	1000	1000
(C)	Rating / re-rating of	(i)Single phase Services	125	125

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services	(ii) Three phase Services	250	250
	(iii) L.T C.T operated Meter service	1500	1500
	(iv) H.T Service	2500	2500

Note: The above charges under (A) & (B) will be applicable for addition or alteration or reduction of connected load and enhancement or reduction of CMD or alteration of internal Electrical installations.

12.2 Testing of installation

12.2.1 Testing for servicing a new installation (or of an extension or alteration) - For the first test No Charge. Subsequent testing warranted due to absence of contractor or his representative (or) due to defects in wiring of consumer's premises or at the request of the consumer or at occasions that warrant testing of installations for the second time for reasons attributable to the consumers

Table 12-2: Proposed Testing of Installation Charges

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Domestic lighting / Commercial lighting / Agriculture Services	200	200
(ii) Other LT Services	900	900
(iii) HT/EHT Services	7500	7500

12.3 Testing of meters & metering arrangements

12.3.1 For testing of meter at the instance of the consumer

Table 12-3: Proposed Testing of Metering Charges

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Single phase direct meter	150	150
(ii) Three phase direct meter up to 50 A	200	200
(iii) L.T C. T coil test	800	800
(iv) H.T Tri-vector Meter (0.5 class accuracy or CT operated LT meters.	1500	1500
(v) H.T Tri-vector Meter (0.2 class accuracy)	2000	2000
(vi) H.T Metering Cubicle	3500	3500

12.4 Testing of HT/EHT consumer protective equipment

Table 12-4: Proposed Testing of HT/EHT Consumer Equipment Charges

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Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
Testing charges for protective relays (Earth fault, line fault etc.)	4500	4500
Testing charges for one set of current transformers.	4500	4500
Testing charges for one set of potential transformers.	4500	4500
Testing charges for one set of EHT Current transformer	6000	6000
Testing charges for one set of EHT Potential transformer /CVT	6000	6000
Testing charges for one set of HT circuit breaker	4500	4500
Testing charges for one set of EHT circuit breaker	6000	6000
Testing charges for measurement of earth resistance.	3000	3000
Testing charges for Transformer oils	500	500

12.5 Disconnection / Re-connection charges

Table 12-5: Proposed Disconnection/Reconnection Charges

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Disconnection of L.T. service on request	100	100
(ii) Disconnection of HT service on request	500	500
(iii) Reconnection of L.T Service (on all occasions).	100	100
(iv) Reconnection of HT Service (on all occasions).	1000	1000

12.6 Title transfer of services

Table 12-6: Proposed Disconnection/Reconnection Charges

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Domestic	250	250
(ii) Commercial lighting installation	500	500
(iii) All other LT installation	1000	1000
(iv) HT/EHT Services	2000	2000

12.7 Furnishing of certified copies

Table 12-7: Proposed Certified Copies Charges

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Issue of duplicate Monthly bills for a month.	10	10

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(ii) Contractor's completion-cum-test report	10	10
(iii) Ledger extract	20.00 / calendar year or part thereof.	20.00 / calendar year or part thereof.
(iv) Agreement	50	50
(v) Estimate	50	50

12.8 Charges for Replacement of Burnt Meters

Table 12-8: Proposed Disconnection/Reconnection Charges

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
LT Single Phase meters	700	700
LT Three Phase meters	1,300	1,300
Three Phase LT meters with CTs	3,000	3,000
HT Meter 0.5s class of accuracy	6,500	6,500
HT Meter 0.2s class of accuracy	30,000	30,000
HT Metering Cubicle (CT/PT Unit)	70,000	70,000

12.9 Fuse renewal charges

Table 12-9: Proposed Fuse Renewable Charges

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Domestic	-NIL	-NIL
(ii) Commercial	50	50
(iii) L.T Industrial	50	50
(iv) High Tension/Extra High-Tension installation	250	250

12.10 Shifting of meter board at consumer's request

Table 12-10: Proposed Shifting of meter board Charges

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) LT single phase supply	125	125
(ii) LT Three phase supply	250	250

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CHAPTER 13. PRAYER TO THE HON'BLE COMMISSION

13.1 Prayer to the Hon'ble Commission

13.1.1 The Electricity Department, Government of Puducherry (PED) respectfully prays to the Hon'ble Commission to:

- 1) Condone the delay in filing/submission of petition due to administrative reasons.
- 2) Admit the petition seeking True Up for FY 2022-23, Annual Performance Review for FY 2023-24 and Aggregate Revenue Requirement (ARR) and Determination of Tariff for FY 2024-25.
- 3) Approve the total recovery of True Up for FY 2022-23, Annual Performance Review for FY 2023-24 and Aggregate Revenue Requirement (ARR) and Determination of Tariff for FY 2024-25.
- 4) Review the actual performance of FY 2023-24 and approve the Aggregate Revenue Requirement (ARR) and gap for FY 2023-24 based on the actual figures.
- 5) Review and approve the revised estimates for Aggregate Revenue Requirement (ARR) and gap for FY 2024-25.
- 6) Approve the Aggregate Revenue Requirement (ARR) for FY 2024-25, Revenue from Charges and the gap along with the estimated carrying cost for FY 2022-23 till FY 2024-25.
- 7) Approve the consolidated gap till FY 2024-25 as regulatory assets as proposed in the petition and allow the gap to be recovered during FY 2024-25 through levy of Regulatory surcharge.
- 8) We pray to Commission that APPC for Renewable energy is separately be approved so that it can be used for payment to net metering consumers.
- 9) To approve the proposed Tariff schedule applicable from 1st April, 2024.
- 10) Grant approval for levy of 8.00% Regulatory Surcharge to all the consumer categories.
- 11) Grant Approval for Wheeling charges, Additional Surcharges and Open access

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charges for FY 2024-25

- 12) Grant approval for the schedule of tariff, charges for services and schedule of charges along with the surcharge as made in the petition for FY 2024-25.
- 13) Grant any other relief as the Hon'ble Commission may consider appropriate. The petitioner craves leave of the Hon'ble Commission to allow further submission, addition and alteration to this petition as may be necessary from time to time.
- 14) Condone any error/omission and to give opportunity to submit the same.
- 15) To pass any other Order as the Hon'ble Commission may deem fit and appropriate under the circumstances of the case and in the interest of justice.

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SUBMISSION to JOINT ELECTRICITY REGULATORY COMMISSION

ANNUAL REVENUE REQUIREMENT

Tariff Filing Formats

Electricity Department of Puducherry

TRUE-UP FOR FY 2022-23, APR FOR FY 2023-24 AND ARR FOR FY 2023-
24

TARIFF DETERMINATION FOR FY 2024-25

Tariff Filing Formats

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5	Form F6	Energy Balance
6	Form F7	Capital Investment
7	Form F8	Financing of Capitalised Works Loan Details
8	Form F9	Capital Work in Progress
9	Form F10	Capitalization
10	Form F11	Subsidy
11	Form F12	Calculation of Weighted Average Rate of Interest on Actual Loans
12	Form F13	Interest and Finance Charges
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33	Form F31	Income Tax Provisions

Note: 1. The above formats shall be filed by the Distribution Licensee for its Distribution Business (Wheeling Business and Retail Supply Business separately) consistent with the Allocation Statement mentioned in the Regulations.

2. Electronic Copy of the Petition (in Word format) and detailed calculation as per these formats (in Excel format) and any other information submitted shall also be furnished in the electronic form.

3. Formats may be suitably amended where ever required, and additional formats may be designed for any additional information to be submitted along with the Petition.

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Form F2

Electricity Department-Puducherry
TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Sr. No.	Particulars	Annual Revenue Requirement								
		Distribution Business (₹ crore)			Wheeling Business (₹ crore)			Retail Supply Business (₹ crore)		
		Previous Year	Current Year	Ensuing Year	Previous Year	Current Year	Ensuing Year	Previous Year	Current Year	Ensuing Year
		Actual	Estimated	Projections	Actual	Estimated	Projections	Actual	Estimated	Projections
		FY 2022-23	FY 2023-24	FY 2024-25	FY 2022-23	FY 2023-24	FY 2024-25	FY 2022-23	FY 2023-24	FY 2024-25
A	Receipts									
1	Revenue from Sale of Power	1690.44	1874.32	1866.26						
2	Revenue from Sale of Power-BPSC	41.31								
B	Expenditure									
1	Cost of Power Purchase from Own Generating Stations	206.54	236.08	236.15						
2	Cost of Power Purchase from other Generating Stations	1234.37	1546.69	1319.25	0.00	0.00	0.00	1334.37	1546.69	1319.25
3	Inter State Transmission Charges	247.69	-14.00	177.91		0.00	0.00	247.69	-14.00	177.91
4	Intra State Transmission Charges							0.00	0.00	0.00
5	BLDC Fees & Charges									
6	O&M Expenses (Gross)									
a)	R&M Expenses	15.00	10.22	10.56	13.50	9.19	9.51	1.50	1.02	1.06
b)	Employee Cost	134.83	128.64	124.54	53.93	51.45	46.61	80.60	77.18	74.72
c)	A&G Expenses	14.55	15.34	16.17	7.28	7.67	8.08	7.28	7.67	8.08
7	Depreciation	25.24	26.25	27.30	22.72	23.62	24.57	2.52	2.62	2.73
8	Interest and Finance Charges	18.93	14.08	14.51	15.23	12.67	13.08	1.52	1.27	1.31
9	Interest on Working Capital	5.65	6.25	4.50	0.56	0.62	0.45	5.08	5.62	4.05
10	Interest on consumer security Deposit	10.20	10.89	11.64	1.02	1.09	1.16	9.18	9.80	10.48
11	Prior Period Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Extraordinary Items									
13	Bad and Doubtful Debts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Other Debts and Write-offs									
15	Statutory Levies and Taxes, if any									
16	Less: Expenses Capitalised									
a)	Interest Charges Capitalized									
b)	R&M Expenses Capitalized									
c)	A&G Expenses Capitalized									
d)	Employee Cost Capitalized									
	Sub Total (a+b+c+d)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub Total Expenditure (1 to 15-16)	2011.00	1950.42	1942.52	114.24	106.32	106.64	1690.05	1637.67	1599.58
C	Return on Equity	48.27	48.33	51.47	43.44	44.39	46.32	4.83	4.93	5.15
D	Less: Non Tariff and other Income	9.26	9.73	10.21	0.93	0.97	1.02	8.34	8.75	9.19
E	Less: Any Grant/ Subventions, other subsidy provided by the Government	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F	Annual Revenue Requirement (B+C-D-E)	2050.00	2020.02	1983.78	156.75	148.78	151.95	1686.53	1634.05	1595.54
G	Surplus(+) / Shortfall (-) (A-F) - Before Tariff Revision	-318.25	-145.70	-117.52						

Electricity Department Puducherry

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PUDUCHERRY.

Form F3

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Summary of Power Purchase from Own Stations and Other Sources for FY 2022-23

S. No	Source	Energy Purchased (Scheduled)	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Total Cost	Pre Unit Cost
		MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
A	Central Sector Power Stations								
I	NTPC	1012.85						449.50	443.79
	RSTPS Stage I & II								
	RSTPS Stage -III								
	Talcher Stage- II								
	Simhadri Stage- II								
II	NLC	1076.48						505.36	469.45
	NLC TPS II Stage I								
	NLC TPS II Stage II								
	NLC TPS I (Expn)								
	NLC TPS II (Expn)	591.10						255.09	431.55
	NTPL (Tuticorin)	97.06						72.83	750.34
	NNTPS	388.33						177.44	456.94
III	NPCL	768.43						308.86	401.94
	MAPS	25.53						6.59	257.99
	KAPS Stage I								
	KAPS Stage II	263.95						92.72	351.26
	Kudankulam U1								
	Kudankulam U2	478.95						209.56	437.54
B	Others	94.61						58.64	619.74
	TNEB (Pondy)								
	TNEB (Karaikal)								
	KSEB	0.00							
	Vallur Thermal Project (NTECL)	94.61						58.64	619.74
C	UI	-114.82						2.05	
	OverDrawl	34.92						2.05	
	Under Drawl	149.74						0.00	
D	Open Market	0						0	
	IEX Purchase								
	IEX Sale								
	Traders								
E	Open Access								
F	Renewable Sources	315.32						84.66	
	Solar	207.78						55.27	
	Non-Solar	107.55						29.38	
G	Within State Generations	220.70						206.54	935.84
	PPCL	220.70						206.54	935.84
H	OTHER CHARGES							253.58	
	PGCIL (PoC)							247.69	
	PGCIL (Non PoC)								
	SRLDC							0.52	
	RPO							0.12	
	SRPC								
	DSM Charges							3.60	
	KPTCL								
	Power purchase expenses for prior period								
	Adjustments Bills / Debit Notes / Credit Notes for prior period								
	Less: Rebate considered by PED while making payment								
	Less: Interest Cost							1.65	
I	Power Purchase Cost (Sub Total)	3373.58						1869.18	
J	Additional Income							80.58	
	URS Income							33.24	
	UI/DSM Charges							40.85	
	RARS Charges							6.49	
	Sale of Trading Materials								
K	Net Power Purchase Total	3373.58						1788.60	530.18

Form F3

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Summary of Power Purchase from Own Stations and Other Sources for FY 2023-24

Power Purchase Cost FY 2023-24 (H1) (Actual)						
S. No	Source	Energy Purchased	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Total Cost
		MU	₹ crore	₹ crore	₹ crore	₹ crore
A	Central Sector Power Stations					
I	NTPC	543.53				303.43
	RSTPS Stage I & II					455.63
	RSTPS Stage-III					
	Tatkar Stage-II					
	Simhadri Stage-II					
II	NEL	420.99				243.51
	NEL TPS II Stage I					517.04
	NEL TPS II Stage II	283.26				121.15
	NEL TPS I (Lago)					427.68
	NEL TPS II (Lago)					
	NEL TPS	187.70				122.28
III	NPCIL	343.52				236.75
	MAAPS	7.01				1.30
	KAPS	127.73				41.19
	MAAPP	213.20				91.61
B	Others	113.91				98.03
	NTPC (Tatkar)	57.49				23.42
	Project (NTECL)	67.42				64.10
	THREB (Karakal)					1034.50
	KSEB	0.00				0.00
C	UI					
	Over Draw					
	Under Draw					
D	Open Market	-191.81				12.76
	IEA Purchase	0.00				0.00
	IEA Sale	192.00				90.00
	CTUPL	0.17				102.70
E	Open Access	0.00				0.00
F	Renewable Sources	386.75				115.14
	Solar	197.23				37.05
	Non-Solar	248.52				78.09
	Solar REC					112.95
	Non-Solar REC					
G	Within State Generators	318.14				136.40
	PPCL	118.10				1154.33
H	OTHER CHARGES					-24.00
	PGCIL (NCT)					
	PGCIL (PGC-BILL)					
	SIEDC					
	SPSC & RPD					
I	Additional Income					
	UIB Income					
	UI-CPD Charges					
	BAAS Charges					14.00
	Sale of Trading Materials					
J	Total Power Purchase	1908.04				1030.02
						539.55

Power Purchase Cost FY 2023-24 (H2) (Estimated)						
S. No	Source	Energy Purchased	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Total Cost
		MU	₹ crore	₹ crore	₹ crore	₹ crore
A	Central Sector Power Stations					
I	NTPC	558.17				220.20
	RSTPS Stage I & II					393.87
	RSTPS Stage-III					
	Tatkar Stage-II					
	Simhadri Stage-II					
II	NEL	398.28				177.97
	NEL TPS II Stage I					448.85
	NEL TPS II Stage II	239.55				88.51
	NEL TPS I (Lago)					369.57
	NEL TPS II (Lago)					
	NTPS	358.73				39.44
III	NPCIL	280.52				99.94
	MAAPS	6.44				1.41
	KAPS	103.79				33.56
	MAAPP	180.30				86.95
B	Others	101.41				71.82
	NTPC	48.42				24.42
	Project (NTECL)	52.80				47.20
	THREB (Karakal)					894.02
	KSEB	0.00				0.00
C	UI					
	Over Draw					
	Under Draw					
D	Open Market	-298.00				-21.24
	IEA Purchase	0.00				0.00
	IEA Sale	298.00				10.00
	CTUPL	0.00				68.74
E	Open Access	0.00				0.00
F	Renewable Sources	377.06				90.14
	Solar	118.04				32.01
	Non-Solar	211.01				58.50
	Solar REC					277.23
	Non-Solar REC					
G	Within State Generators	95.92				95.88
	PPCL	95.92				997.55
H	OTHER CHARGES					
	PGCIL (NCT)					
	PGCIL (PGC-BILL)					
	SIEDC					
	SPSC & RPD					
I	Additional Income					
	UIB Income					
	UI-CPD Charges					
	BAAS Charges					
	Sale of Trading Materials					
J	Total Power Purchase	1568.77				738.75
						470.91

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Form F3

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Summary of Power Purchase from Own Stations and Other Sources for FY 2023-24

S. No	Source	Power Purchase Cost FY 2023-24 (Total) (Estimated)					Per Unit Cost
		Energy Purchased	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Total Cost	
		MU	₹ crore	₹ crore	₹ crore	₹ crore	₹/kWh
A	Central Sector Power Stations						
I	NTPC	1221.11				522.72	432.35
	BSPS Stage-I & II	0.00				0.00	0.00
	BSPS Stage-III	0.00				0.00	0.00
	Talsar Stage-II	0.00				0.00	0.00
	Sambhar Stage-II	0.00				0.00	0.00
II	NLC	869.24				621.50	484.90
	NLC TPS II Stage I						
	NLC TPS II Stage II	522.81				209.68	401.06
	NLC TPS II (Export)						
	NLC TPS II (Export)	346.43				211.82	611.43
III	NREIL	834.05				216.49	373.30
	VAPS	13.04				8.33	241.38
	VAPS	720.52				14.24	129.95
	VAPS	39.49				158.56	402.95
B	Others	221.34				169.83	766.37
	NTP	106.12				57.84	545.09
	NTP (NTPCL)	115.23				111.79	970.13
	NTP (Kazakul)	0.00				0.00	
	KSEB	0.00				0.00	
C	UI					0.00	
	Overhead	0.00				0.00	
	Under Overhead	0.00				0.00	
D	Open Market	-399.83				-8.50	
	Buy Purchase	0.00				0.00	
	Buy Sale	400.00				180.00	
	Trading	0.17				171.50	
E	Open Access	0.00				0.00	
F	Renewable Sources	713.81				255.65	
	Solar	751.30				169.06	
	Non-Solar	660.54				118.59	
	Solar REC	0.00				0.00	
	Non-solar REC	0.00				0.00	
G	Within State Generat	216.09				216.08	1082.50
	PPCL	216.09				216.08	1082.50
H	OTHER CHARGES					-14.00	
	PCC (PPCL)					0.00	
	PCC (PPCL)					0.00	
	PPCL					0.00	
	PPCL & REC					0.00	
I	Additional Income					0.00	
	URC Income					0.00	
	LICOM Charges					0.00	
	VAT Charges					14.00	
	Sale of Trading Materials					0.00	
J	Total Power Purchase	3477.81				1768.77	508.59

Electricity Department Puducherry


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Form F3

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Summary of Power Purchase from Own Stations and Other Sources for FY 2024-25

S. No	Source	Energy Sent out (Scheduled)	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Total Cost	Pre Unit Cost
		MU	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
A	Central Sector Power Stations						
I	NTPC	1261.57				521.86	413.66
	RSTPS Stage I & II						
	RSTPS Stage -III						
	Talcher Stage- II						
	Simhadri Stage- II						
II	NLC	698.16				421.61	469.42
	NLC TPS II Stage I						
	NLC TPS II Stage II	540.20				209.74	368.26
	NLC TPS I (Expn)						
	NLC TPS II (Expn)						
	RSTPS	357.95				211.87	591.90
III	NPCIL	655.13				236.75	361.38
	HAPS	14.51				3.39	233.85
	KAPS	234.05				74.76	319.41
	Kudankulam	405.57				158.60	390.09
B	Others	228.71				189.88	741.91
	TNER (Rundy)	0.00				0.00	
	TNER (Kavakall)	0.00				0.00	
	KSEB	0.00				0.00	
	Varur Thermal Project (NTECL)	119.07				111.82	939.15
	WTP (Tutikart)	109.64				57.86	527.71
C	UI	0.00				0.00	
	OverDrawl						
	Under Drawl						
D	Open Market	456.00				230.00	
	IEE Purchase	0.00				0.00	
	IEE Sale	400.00				230.00	
	Traders	0.00				0.00	
E	Open Access	0.00				0.00	
F	Renewable Sources	737.56				189.34	270.27
	Solar	261.08				64.14	245.13
	Non-Solar	475.87				135.20	284.10
	Solar REC						
	Non-Solar REC						
G	Within State Generations	225.34				236.15	1047.94
	PPCL	225.34				236.15	1047.94
H	OTHER CHARGES	0.32				177.91	
	PUCIL Transmission Charges, Wheeling &						
	Other Charges	0.32				177.91	
I	Other (SRILDC, SRPC & RPO) CHARGES						
J	Total Power Purchase Cost	3606.78				1733.30	480.57

Electricity Department Puducherry

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Form F4

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR for 2023-24 AND ARR FOR FY 2024-25

Summary of Station-Wise details of Power Purchase from Own and Other Sources

S. No	Source	Months in the Financial Year 2022-23																							
		April		May		June		July		August		September		October		November		December		January		February		March	
		MU	(Rs. Cr)	MU	(Rs. Cr)	MU	(Rs. Cr)	MU	(Rs. Cr)	MU	(Rs. Cr)	MU	(Rs. Cr)	MU	(Rs. Cr)	MU	(Rs. Cr)	MU	(Rs. Cr)	MU	(Rs. Cr)	MU	(Rs. Cr)	MU	(Rs. Cr)
A	Central Sector Power Stations																								
I	NTPC																								
	ASTPS Stage I & II	48.3	17.0	45.1	18.2	43.4	23.6	44.4	26.1	35.7	20.5	33.8	20.5	30.3	17.9	30.0	15.7	21.1	10.5	35.7	5.3	17.3	5.8	21.6	8.8
	ASTPS Stage -III	18.2	5.8	15.4	6.2	5.5	2.7	-	(0.0)	7.0	4.1	11.6	7.4	8.0	5.0	5.7	3.1	7.5	3.3	7.9	3.2	7.6	3.3	8.2	8.6
	Takhar Stage-II	5.9	3.1	4.9	5.5	3.4	2.0	5.9	4.1	7.7	7.7	5.6	4.1	9.0	7.6	6.7	4.6	6.6	4.0	5.2	4.1	3.8	1.5	2.3	2.5
	Vinohar Stage-II	46.3	15.3	43.8	12.2	47.7	12.5	46.7	14.4	46.4	14.3	42.3	12.6	27.7	20.2	17.3	3.2	25.6	5.5	27.6	6.7	22.7	3.3	37.3	16.2
II	NLC																								
	NLC TPS II Stage I	72.8	21.0	63.8	18.2	56.7	20.2	49.7	18.6	42.0	14.4	37.0	14.1	40.7	19.1	41.7	15.2	45.4	32.8	43.6	15.6	46.2	36.2	51.5	29.8
	NLC TPS II Stage II																								
	NLC TPS I (Cogen)																								
	NLC TPS II (Cogen)																								
	NTPC (Tatavision)	6.6	4.7	10.0	6.7	7.5	6.8	11.6	10.3	13.8	7.7	9.3	7.4	10.7	7.5	5.3	8.4	10.2	3.4	6.4	1.0	3.2	1.4	3.1	3.3
III	NPCIL																								
	KAPS	2.1	0.8	1.6	0.4	2.0	0.5	2.7	0.7	1.9	0.5	2.5	0.6	1.9	0.5	2.3	0.6	2.4	0.6	2.4	0.6	1.6	0.4	2.3	0.6
	KAPS Stage I	25.5	8.8	26.4	9.1	24.5	9.7	26.7	9.2	26.0	9.0	19.9	6.9	15.8	5.8	23.5	6.7	18.2	5.7	21.7	7.6	18.2	6.7	21.5	7.5
	KAPS Stage II																								
	Kudankulam U1	25.0	10.2	25.3	10.1	45.3	23.6	39.7	16.1	33.6	8.7	25.3	10.8	49.6	21.5	48.0	20.9	51.5	22.5	46.6	20.6	46.5	20.4	52.6	23.1
	Kudankulam U2																								
IV	Others																								
	Valur Thermal Project (NTEC)	6.3	3.2	7.0	5.1	5.6	4.6	6.9	5.4	9.6	6.5	11.8	7.7	9.8	5.5	8.1	4.4	8.3	4.5	4.7	3.4	6.8	3.5	9.7	4.9
	WNTPS	32.7	13.2	41.5	15.3	32.0	17.9	28.9	25.1	35.2	13.8	30.5	12.4	31.0	12.4	30.7	12.5	12.1	8.6	30.0	12.7	32.6	13.3	40.2	15.1
C	Within State Generations																								
	PPCL	17.7	13.3	19.8	14.9	18.3	11.7	35.8	13.7	19.1	16.8	18.9	15.4	18.9	20.3	19.9	21.7	20.2	21.7	35.4	14.6	18.4	23.0	20.5	22.3
D	Total Power Purchase	307.35	113.21	316.32	121.85	289.56	130.33	288.65	131.84	267.89	124.47	248.30	119.88	252.91	149.26	234.66	116.96	226.90	127.62	228.38	95.53	225.06	118.57	270.67	127.34

Electricity Department Puducherry

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Form F5

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Sales, Consumers & Connected Load

A) Sales

(MUs)

S.No.	Category	Previous Year		Current Year	Ensuing Year
		Actual	Actual	Estimated	Projection
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1(a)	Domestic & Cottage				
	0 - 100 Units	392.81	379.68	381.47	410.28
	101 - 200 Units	208.37	201.41	210.31	217.64
	201 - 300 Units	102.63	99.20	103.59	107.19
	>300 Units	99.95	100.11	119.54	108.18
	Domestic & Cottage Total	803.76	780.40	814.91	843.28
1(b)	OHOB/ Line Line Services	3.62	1.59	1.58	1.58
2	Commercial				
	0 - 100 Units	4.00	4.74	5.09	5.33
	101 - 250 Units	10.23	12.12	13.01	13.63
	> 250 Units	160.23	189.80	203.73	213.41
	Commercial Total	174.45	206.65	221.82	232.36
3	Agriculture				
a	Small farmers				
b	Other farmers				
	Agriculture Total	60.06	59.53	59.83	60.13
4	Public lighting	19.95	18.22	18.22	18.22
5(a)	LT Industrial	127.87	118.97	123.13	125.60
5(b)	Water tank	42.20	45.94	47.55	48.50
	LT Industrial + water Tank Total	170.07	164.91	170.68	174.10
5(c)	Temporary supply - LT&HT	3.85	3.85	2.84	2.89
6	HT 1 (a) For contract demand up to 5000 kVA/Industrial	827.41	895.33	1008.60	1059.03
6(b)	HT 1 (b) For contract demand up to 5000 kVA/Commercial	84.41	84.41	0.00	0.00
	HT-1 Total	911.82	979.74	1008.60	1059.03
7	HT 2 - Government & non-Industrial & non-Commercial	55.45	62.67	65.80	67.12
	HT-2 Total	55.45	62.67	65.80	67.12
8	HT 3 - EHT Industries	579.60	630.58	662.11	688.59
	HT-3 Total	579.60	630.58	662.11	688.59
9	Electric Vehicle Charging Station	0.00	0.00	0.00	0.00
10	Hoarding/ Signboards	0.00	0.00	0.00	0.00
11	Export to Other Region				
	Grand Total	2782.63	2908.14	3026.39	3147.30

Electricity Department Puducherry

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Form F5

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Sales, Consumers & Connected Load

B) Number of Consumers					
S.No.	Category	Previous Year		Current Year	Ensuing Year
		Actual	Actual	Estimated	Projection
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1(a)	Domestic & Cottage				
	0 - 100 Units	141038	0	0	0
	101 - 200 Units	102416	0	0	0
	201 - 300 Units	55794	0	0	0
	>300 Units	59380	0	0	0
	Domestic & Cottage Total	358628	379088	391883	403639
1(b)	OHOB/ Line Line Services	8248	2528	2528	2528
2	Commercial				
	0 - 100 Units	22868	0	0	0
	101 - 250 Units	9249	0	0	0
	> 250 Units	23933	0	0	0
	Commercial Total	56050	59005	60868	61000
3	Agriculture				
a	Small farmers	960	0	0	0
b	Other farmers	6069	0	0	0
	Agriculture Total	7029	7109	7110	7137
4	Public lighting	51153	51844	54609	55000
5(a)	LT Industrial	3584	3512	0	0
5(b)	Water tank	802	913	0	0
	LT Industrial + water Tank Total	4386	4425	4500	4600
5(c)	Temporary supply - LT&HT	0	0	0	0
6	HT 1 (a) For contract demand up to 5000 kVA/Industrial	343	326	485	0
6(b)	HT 1 (b) For contract demand up to 5000 kVA/Commercial	112	114	0	0
	HT-1 Total	455	440	485	490
7	HT 2 - Government & non-Industrial & non-Commercial	63	72	73	74
	HT-2 Total	63	72	73	74
8	HT 3 - EHT Industries	8	11	12	13
	HT-3 Total	8	11	12	13
9	Electric Vehicle Charging Station	0	0	0	0
10	Hoarding/ Signboards	0	0	0	0
	Grand Total	486020	504522	522068	534481

Electricity Department Puducherry

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Form F5

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Sales, Consumers & Connected Load

C) Connected Load and Contracted Demand (KW)					
S.No.	Category	Previous Year		Current Year	Ensuing Year
		Actual	Actual	Estimated	Projection
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1(a)	Domestic & Cottage				
	Domestic & Cottage Total	606734	663841	694377	726318
1(b)	OHOB/ Line Line Services	2843	2843	2843	2843
2	Commercial				
	Commercial Total	146001	154892	159539	164325
3	Agriculture				
a	Small farmers		6592	0	0
b	Other farmers		54010	0	0
	Agriculture Total	60000	60602	60905	61210
4	Public lighting	6296	6419	6481	6544
5(a)	LT Industrial		136673	0	0
5(b)	Water tank				
	LT Industrial + water Tank Total	131883	136673	139133	141637
5(c)	Temporary supply - LT&HT				
6	HT 1 (a) For contract demand up to 5000 kVA/Industrial		208107	0	0
6(b)	HT 1 (b) For contract demand up to 5000 kVA/Commercial		30317	0	0
	HT-1 Total	0	238424	243192	248056
7	HT 2 - Government & non-Industrial & non-Commercial		23646		
	HT-2 Total	229166	23646	23883	24122
8	HT 3 - EHT Industries		44399		
	HT-3 Total	23180	44399	48839	53723
9	Electric Vehicle Charging Station	0			
10	Hoarding/ Signboards	0			
	Grand Total	1206104	1331739	1379192	1428778

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Form F6

Electricity Department-Puducherry
TRUE-UP FOR FY 2022-23, APR for 2023-24 and ANNUAL REVENUE REQUIREMENT FOR
FY 2024-25'

Energy Balance (Availability Vs Requirement)

Sr. No.	Particulars	Previous Year (Actuals)	Current Year (Actuals)	Ensuing Year (Projections)
		FY 2022-23	FY 2023-24	FY 2024-25
A)	ENERGY REQUIREMENT			
1	Energy sales to metered category within the State	2,908.14	3,026.39	3,147.30
2	Energy exported to TANGEDCO	-	-	-
3	Total sales within the State	2,908.14	3,026.39	3,147.30
4	T&D Losses (%)	10.88%	10.75%	10.50%
5	T&D Losses (MU)	354.86	364.52	369.24
6	Energy required at Discom Periphery	3,263.00	3,390.91	3,516.54
B)	ENERGY AVAILABILITY			
1	Net Power Purchase (ex Bus)	2,952.37	2,545.75	2,643.88
2	Own Generation (PPCL)	220.70	218.09	225.34
3	Power Purchase from Renewable sources	315.32	713.81	737.56
4	Power purchase from Common Pool / UI-overdrawal / Traders / Exchange / Others	34.92	0.17	-
5	UI Underdrawal	149.74	-	-
6	Open Access Power Purchase at periphery	-	-	-
7	Net Power Purchased (1+2+3+4-5+6)	3,374.02	3,477.81	3,606.78
8	Transmission Losses	110.10	86.91	90.24
9	Transmission Losses (%)	3.26%	2.50%	2.50%
10	Total Energy Availability	3,263.92	3,390.91	3,516.54
11	Deficit/(Surplus)	-0.92	-	-

Electricity Department Puducherry



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15509/2023/Diary Section

Form F10

Electricity Department-Puducherry
 TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25
Commissioning / Capitalisation Plan - Master
 (Information to be provided for all heads either spilling into the period starting from previous year to the end year of control period)

Project Details																
Name of Scheme	Nature of Project (Select appropriate code from below)	Year of Start	Capex approved by Commisal	Capitalisation Incurred In Current Year (FY 2022-23)				FY 2023-24				FY 2024-25				Beyond
			Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	
Establishment of New Substations	Transmission Scheme		71.74													
Augmentation of System Capacity	Transmission Scheme		25.45													
Renovation and Modernization Works of Existing Capacity	Transmission Scheme		36.59													
Replacement of Capacitor Banks	Transmission Scheme		4.00													
Erection/ establishment/ upgradation of 230kV and 110kV Substations	Transmission Scheme		212.86													
SubTotal Transmission Scheme			350.64													
R-APDRP Part-A Works	Distribution Scheme		0.94													
R-APDRP Part-B Works	Distribution Scheme		40.1													
System Strenghtning Schemes	Distribution Scheme		198.5													
Normal Development Schemes	Distribution Scheme		45													
Reliable communication	Distribution Scheme		5.6													
IPDS	Distribution Scheme		12.92													
DDUGJY	Distribution Scheme		12.21													
PSDF	Distribution Scheme		10.56													
SubTotal Distribution Scheme			325.83													
Old Scheme Total			676.47	7.21	3.09	0.00	10.30									
New Scheme																
Revamped Scheme	Transmission Scheme (Proposed)	FY 2022-23	75.00													
Revamped Scheme	Distribution Scheme (Proposed)	FY 2022-23	75.00													
New Scheme Total			395.00					24.59	10.54	52.69	87.82	39.74	17.03	85.15	141.92	

Electricity Department Puducherry

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Form F13

Electricity Department-Puducherry
TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Interest and Finance Charges

S. No.	Loan Source	Rate of Interest (%)	Previous Year	Current Year	Ensuing Year
			FY 2022-23	FY 2023-24	FY 2024-25
I	Existing Loans				
A	Secured Loans				
1	Loan 1				
2	Loan 2				
3	Loan 3				
4	Loan 4				
5	Sub Total		0.00	0.00	0.00
B	Unsecured Loans				
1	Loan from PFC for Part A of R-APDRP	11.50%			
2	Loan from PFC for Part B of R-APDRP	10.40%			
3	Loan from REC for DDUGJY	10.40%			
4	Loan for PSDF	10.40%			
5	Loan from PFC for IPDS	10.40%			
	Sub Total		0.00	0.00	0.00
II	New Loans				
A	Secured Loans				
1	Loan 1				
2	Loan 2				
3	Loan 3				
4	Loan 4				
5	Sub Total		0.00	0.00	0.00
B	Unsecured Loans				
1	Loan 1				
2	Loan 2				
3	Loan 3				
4	Loan 4				
5	Sub Total		0.00	0.00	0.00
	Total Interest on Loan		14.86	14.08	14.51
III	Other Interest & Finance Charges				
1	Cost of raising Finance / Bank Charges		2.06	0.00	0.00
2	Interest on Security Deposit		10.20	10.89	11.64
3	Penal Interest Charges				
4	Lease Rentals				
5	Sub Total		12.27	10.89	11.64
D	Grand Total of Interest & Finance Charges (I.A.5 + I.B.5 + II.A.5 + II.B.5 + III.5)		27.13	24.96	26.15
E	Less: Interest & Finance Charges Capitalised				
F	Net Interest & Finance Charges (D - E)		27.13	24.96	26.15

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Form 13 A

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR for 2023-24 and ANNUAL REVENUE REQUIREMENT FOR
FY 2024-25Normative Interest on Loan Recalculation

(Rs. Crore)

Sr. No.	Particulars	Previous Year	Current Year (Est)	Ensuing Year
		FY 2022-23	FY 2023-24	FY 2024-25
1	Opening Normative Loan	194.81	176.78	175.12
2	Add: Normative Loan during the Year	7.21	24.59	39.74
3	Less: Normative Repayment	25.24	26.25	27.30
4	Closing Normative Loan	176.78	175.12	187.57
4	Average Normative Loan	185.80	175.95	181.35
5	Rate of Interest (@SBI 1 Year MCLR rate+100 Basis Points)	8.00%	8.00%	8.00%
6	Interest on Normative Loan	14.86	14.08	14.51
7	Other Finance Charges	2.06	-	-
8	Total Interest & Finance Charges	16.93	14.08	14.51

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Electricity Department, Puducherry

Form F14

Electricity Department-Puducherry
TRUE-UP FOR FY 2022-23, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD -
FY 2023-24 TO FY 2024-25

Working Capital Requirements

S. No.	Particulars	Ref. Form No.	Previous Year	Current Year	Ensuing Year
			Actual FY 2022-23	Estimated FY 2023-24	Projections FY 2024-25
A)	O&M Expenses				
i)	R&M Expenses	20	15.00	10.22	10.56
ii)	A&G Expenses	19	14.55	15.34	16.17
iii)	Employee Cost	18A	134.83	128.64	124.54
iv)	Total O&M Expenses		164.38	154.19	151.27
v)	O&M Expenses for 1 month		13.70	12.85	12.61
B	Maintenance Spares (@ 40% of R&M Expenses for one (1) month)		0.50	0.34	0.35
C	Receivables equivalent to two (2) months		288.62	312.39	311.04
D	Less: Amount, if any, held as security deposits from Distribution System Users	22	240.09	256.15	273.99
E	Total Working Capital (A (v)+B+C-D)		62.73	69.43	50.01
F	Rate of Interest **		9.00%	9.00%	9.00%
G	Interest on Working Capital		5.65	6.25	4.50

**The Interest rate for this purpose shall be the rate as specified in

Electricity Department, Puducherry

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Form F15

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Fixed Assets & Provision for Depreciation

Fixed Assets and Depreciation For True Up year and each Year of MYT Control Period

(₹ crore)

S. No	Particulars	Amount (₹ crore) (A)	Contribution from Subsidies/ Grants/ Beneficiaries' Contribution / Consumers Contribution (B)	Value of Asset eligible for depreciation (A-B)	Rate of Depreciation (%)	Previous Year					
						FY 2020-21					
						Fixed Assets, excluding Consumer Contribution /Grants/Subsidies					
						At the start of the Year	Addition during the Year	Deduction	Total Depreciable base	At the end of the Year	Depreciation
1	Land and Land rights				0.00%	9.39	0.98	0.00	10.37	10.37	0.00
2	Building				1.80%	22.21	2.32	0.00	24.53	24.53	0.42
3	Plant & Machinery				3.60%	485.25	50.72	0.00	535.98	535.98	18.38
4	Lines and Cables Network				3.60%	302.75	31.65	0.00	334.39	334.39	11.47
5	Vehicles				18.00%	2.42	0.25	0.00	2.67	2.67	0.46
6	Furniture and Fixtures				6.00%	0.19	0.02	0.00	0.21	0.21	0.01
7	Office Equipments				6.00%	1.08	0.11	0.00	1.19	1.19	0.07
8	IT Equipments			18%	6.00%	2.55	0.27	0.00	2.82	2.82	0.16
9	Testing & Measuring Equipments				6.00%	4.24	0.44	0.00	4.68	4.68	0.27
10	SCADA Centre				6.00%	34.22	3.58	0.00	37.79	37.79	2.16
	TOTAL					864.29	90.34	0.00	954.63	954.63	33.40
	Total as per Audited Account (for True up year only)										

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Form F15

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Fixed Assets & Provision for Depreciation

Fixed Assets and Depreciation For True Up year and

(₹ crore)

S. No	Particulars	Previous Year						Current Year					
		FY 2021-22						FY 2022-23					
		Fixed Assets, excluding Consumer Contribution /Grants/Subsidies						Fixed Assets, excluding Consumer Contribution /Grants/Subsidies					
		At the start of the Year	Addition during the Year	Deduction	Total Depreciable base	At the end of the Year	Depreciation	At the start of the Year	Addition during the Year	Deduction	Total Depreciable base	At the end of the Year	Depreciation
1	Land and Land rights	10.37	0.00	0.00	10.37	10.37	0.00	10.37		0.00	10.37	10.37	0.00
2	Building	24.53	0.00	0.00	24.53	24.53	0.44	24.53		0.00	24.53	24.53	0.44
3	Plant & Machinery	535.98	59.58	0.00	595.55	595.55	20.37	595.55	10.09	0.00	605.64	605.64	21.62
4	Lines and Cables Network	334.39	9.89	0.00	344.28	344.28	12.22	344.28	0.06	0.00	344.34	344.34	12.40
5	Vehicles	2.67	0.00	0.00	2.67	2.67	0.48	2.67		0.00	2.67	2.67	0.48
6	Furniture and Fixtures	0.21	0.00	0.00	0.22	0.22	0.01	0.22		0.00	0.22	0.22	0.01
7	Office Equipments	1.19	0.04	0.00	1.23	1.23	0.07	1.23	0.06	0.00	1.29	1.29	0.08
8	IT Equipments	2.82	0.01	0.00	2.83	2.83	0.17	2.83	0.03	0.00	2.86	2.86	0.51
9	Testing & Measuring Equipments	4.68	0.00	0.00	4.68	4.68	0.28	4.68		0.00	4.68	4.68	0.28
10	SCADA Centre	37.79	5.38	0.00	43.17	43.17	2.43	43.17	0.07	0.00	43.24	43.24	2.59
	TOTAL	954.63	74.90	0.00	1029.53	1029.53	36.47	1029.53	10.30	0.00	1039.83	1039.83	38.41
	Total as per Audited Account (for True up year only)						3.68%						3.71%

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Form F15

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Fixed Assets & Provision for Depreciation

Fixed Assets and Depreciation For True Up year and

(` crore)

		(₹ crore)											
S. No	Particulars	Ensuing Years											
		FY 2023-24						FY 2024-25					
		Fixed Assets, excluding Consumer Contribution /Grants/Subsidies						Fixed Assets, excluding Consumer Contribution /Grants/Subsidies					
		At the start of the Year	Addition during the Year	Deduction	Total Depreciable base	At the end of the Year	Depreciation	At the start of the Year	Addition during the Year	Deduction	Total Depreciable base	At the end of the Year	Depreciation
1	Land and Land rights	10.37	0.00	0.00	10.37	10.37	0.00	10.37	0.00	0.00	10.37	10.37	0.00
2	Building	24.53	0.00	0.00	24.53	24.53	0.44	24.53	0.00	0.00	24.53	24.53	0.44
3	Plant & Machinery	605.64	34.39	0.00	640.03	640.03	22.42	640.03	55.58	0.00	695.61	695.61	24.04
4	Lines and Cables Network	344.34	0.20	0.00	344.54	344.54	12.40	344.54	0.33	0.00	344.87	344.87	12.41
5	Vehicles	2.67	0.00	0.00	2.67	2.67	0.48	2.67	0.00	0.00	2.67	2.67	0.48
6	Furniture and Fixtures	0.22	0.00	0.00	0.22	0.22	0.01	0.22	0.00	0.00	0.22	0.22	0.01
7	Office Equipments	1.29	0.19	0.00	1.48	1.48	0.08	1.48	0.31	0.00	1.78	1.78	0.10
8	IT Equipments	2.86	0.10	0.00	2.96	2.96	0.52	2.96	0.16	0.00	3.12	3.12	0.18
9	Testing & Measuring Equipments	4.68	0.00	0.00	4.68	4.68	0.28	4.68	0.00	0.00	4.68	4.68	0.28
10	SCADA Centre	43.24	0.24	0.00	43.49	43.49	2.60	43.49	0.39	0.00	43.88	43.88	2.62
	TOTAL	1039.83	35.13	0.00	1074.96	1074.96	39.25	1074.96	56.77	0.00	1131.73	1131.73	40.57
	Total as per Audited Account (for True up year only)		35.13				3.71%		56.77				3.68%

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Form F16

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Return on Equity

S. No	Particulars	Previous Year	Current Year	Ensuing Year
		Actual FY 2022-23	Estimated FY 2023-24	Projection FY 2024-25
1	Opening Balance of Equity	308.86	311.95	322.49
2	Equity Addition during year (30% of Capitalization)	3.09	10.54	17.03
3	Closing Balance of Equity	311.95	322.49	339.52
4	Average Equity Amount	310.41	317.22	331.01
5	Average Equity-Wires Business	279.36	285.50	297.90
6	Average Equity -Retail Supply Business	31.04	31.72	33.10
7	Return on Equity for Wires Business (%)	15.50%	15.50%	15.50%
8	Return on Equity for Retail Supply Business (%)	16.00%	16.00%	16.00%
9	Return on Equity for Wires Business	43.30	44.25	46.18
10	Return on Equity for Retail Supply Business	4.97	5.08	5.30
11	Total Return on Equity	48.27	49.33	51.47

*To be based on rate applicable as per regulations



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Form F17

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Operations and Maintenance Expenses Summary

(Rs. Crore)

Sr. No.	Particulars	FY 2022-23			Current Year	Ensuing Year	Remarks
		Tariff Order	April-March (Audited)	Deviation	FY 2023-24	FY 2024-25	
		(a)	(b)	(c) = (b) - (a)	Estimated	Projected	
1	O&M Expenses						
1.1	Employee Expenses	128.93	150.52	21.59	128.64	124.54	
1.2	R&M Expenses	9.87	15.00	5.13	10.22	10.56	
1.3	A&G Expenses	18.53	14.55	-3.98	15.34	16.17	
2	O&M Expense capitalised		15.70	15.70	0.00	0.00	
3	Total Operation & Maintenance Expenses (net of capitalisation)	157.33	164.38	7.05	154.19	151.27	

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Electricity Department, Puducherry

Form F17(A)

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

(Rs, Crore)

Sr. No.	Particulars	Approved O&M Expenses			3-Year Average (d) = [(a)+(b)+(c)]/3	Base Year FY 2021-22 (e)	FY 2022-23		FY 2023-24		FY 2024-25	
		FY 2018-19	FY 2019-20	FY 2020-21			Normative	Projected	Normative	Projected	Normative	Projected
		(a)	(b)	(c)								
1	Employee Expenses	108.46	112.25	112.94	111.22	140.56	134.85		128.64		124.54	
2	A&G Expenses	8.61	12.8	13.48	11.63	14.23	14.55		15.34		16.17	
3	R & M Expenses	4.47	9.59	10.5	8.19	15.56	15.00		10.22		10.56	
4	Total O&M Expenses	121.54	134.64	136.92	131.03	170.37	164.38	0.00	154.19	0.00	151.27	0.00

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Electricity Department, Puducherry

Form F18(A)

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Employee Expenses

	S.No	Particulars	Previous Year	Current Year	Ensuing Year
			Actual FY 2022-23	Estimated FY 2023-24	Projections FY 2024-25
A		Employee Cost (Other than covered in 'C'&'D')			
	1	Salaries	147.15		
	2	Wages	1.02		
	3	Stipend	1.39		
	4	Dearness Allowance (DA)			
	5	Other Allowances			
	6	Interim Relief / Wage Revision			
	7	Overtime	0.97		
	8	Bonus			
	9	Generation Incentive			
		Sub Total	150.52		
B		Other Costs			
	1	Medical Expenses Reimbursement			
	2	Travelling Allowance(Conveyance Allowance)			
	3	Leave Travel Assistance			
	4	Payment Under Workman's Compensation Act			
	5	Electricity Concession to Employees			
	6	Other Staff Welfare Expenses			
	7	Any Other Item (specify)			
		Sub Total			
C	1	Apprentice and Other Training Expenses			
D		Contribution to Terminal Benefits			
	1	Eamed Leave Encashment			
	2	Provident Fund Contribution			
	3	Provision for PF Fund			
	4	Pension			
	5	Gratuity			
	6	Ex-gratia			
	7	Any Other Item (specify)			
		Sub Total	0.00		
E		Grand Total (A+B+C+D)	150.52		
F		Employee Expenses Capitalized	14.85		
G		Employee Cost towards maintenance of toher Govt Department	0.84		
H		Net Employee Expenses (E)-(F)-(G)	134.83	128.64	124.54

Electricity Department, Puducherry


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Form F18(B)

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Sr.No	Particulars	Employee Strength				
		FY 2020-21	FY 2021-22	Projections		
				FY 2022-23	FY 2023-24	FY 2024-25
1	Number of employees as on 1st April	1,954	1,848	1,772	1,710	1,545
2	Employees on deputation/ foreign service as on 1st April					
3	Total number of employees (1+2)	1,954	1,848	1,772	1,604	1,355
4	Number of employees retired/ retiring during the year	106	76	62	59	336
5	Net transfers [In / (Out)]					
6	Recruitment					
7	Number of employees at the end of the year (3-4+5+6)	1,848	1,772	1,710	1,545	1,017

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Form F19

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Administration & General Expenses

Sr. No.	Particulars	Previous Year	Current Year	Ensuing Year
		Actual	Estimated	Projections
		FY 2022-23	FY 2023-24	FY 2024-25
1	Rent, rates & taxes			
2	Other Professional charges including Regulatory Expenses (License + Petition Fees)			
3	Office Expenses including Legal, Professional & Special Service Charges			
4	Advertisement & Publicity			
5	Other A&G Charges			
6	Other professional charges			
7	Conveyance & Travel expense			
8	Electricity & water charges			
9	Others			
10	Freight			
11	Incentives to consumers			
12	Grant - in - Aid			
12	Other material related expenses			
13	EESL Charges	3.60		
14	Payment towards smart grid projects			
15	Total	14.55		
16	Add/Deduct share of others (to be specified)			
17	Total expenses	14.55		
18	Less: Capitalized			
19	Net expenses	14.55		
20	Add: Prior period			
21	Total A&G Expenses charged to revenue	14.55	15.34	16.17

Electricity Department, Puducherry

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Form F20

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Repair & Maintenance Expenditure

S.No.	Particulars	Previous Year	Current Year	Ensuing Year
		Actual FY 2022-23	Estimated FY 2023-24	Projections FY 2024-25
1	Plant and Machinery	15.00	10.22	10.56
	- 66 kV Sub-Station			
	- 33kV Sub-Station			
	- 11kV Sub-Station			
	- Switchgear and cable connections			
	- Others			
2	Building			
3	Civil Works			
4	Hydraulic Works			
5	Lines, Cables, Networks etc.			
	- 66 kV Lines	0.00	0.00	0.00
	- 33kV Lines			
	- 11kV Lines			
	- LT Lines			
	- Others			
6	Vehicles	0.00	0.00	0.00
7	Furniture and Fixtures			
8	Office Equipments			
9	Station Supplies			
10	Payments towards Smart metering project			
11	Any Other Item			
A	Gross R&M Expenses	15.00	10.22	10.56
B	R&M Expenses Capitalised	0.00	0.00	0.00
12	Net R&M Expenses	15.00	10.22	10.56

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Form F21

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Income from Investments and Non-Tariff Income

S. No.	Particulars	Previous Year	Current Year	Ensuing Year
		Actual FY 2022-23	Estimated FY 2023-24	Projections FY 2024-25
1	Meter/metering equipment/service line rentals			
2	Service Charges			
3	Customer Charges			
4	Revenue from Late Payment Surcharge*			
5	Miscellaneous Charges			
6	Incentives from CGSs			
7	Miscellaneous Receipts			
8	Interest on advances to suppliers/contractors			
9	Interest on Staff Loans and Advances			
10	Income from Trading			
11	Income from Staff Welfare Activities			
12	Excess found on Physical Verification			
13	Interest on Investments, Fixed and Call Deposits and Bank Balances			
14	Prior Period Income			
15	Income from Open Access Charges (Application fee, Cross Subsidy Surcharge, Additional Surcharge, Transmission and/or Wheeling Charges, Scheduling Charges etc.			
16	Any other Income not included above			
	Total	9.26	9.73	10.21

Note:

*Net revenue from late payment surcharge (late payment surcharge less financing cost of late payment surcharge)

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Form F22

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Interest on Consumer Security Deposit

Sr. No.	Particulars	Previous Year	Current Year	Ensuing Year
		Actual	Projections	Projections
		FY 2022-23	FY 2023-24	FY 2024-25
1	Opening Security Deposit	232.54	247.65	264.65
2	Add: Deposits during the Year	15.45	17.00	18.70
3	Less: Deposits refunded	0.34		
4	Less: Deposits in form of BG/FDR	0	0	0
5	Closing Security Deposit	247.65	264.65	283.34
6	Bank Rate	4.25%	4.25%	4.25%
7	Interest on Security Deposit	10.20	10.89	11.64



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Form F22(A)

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Debits, Write-offs and Any Other Items

S. No	Particulars	Previous Year	Current Year	Ensuing Year
		Actual	Estimated	Projections
		FY 2022-23	FY 2023-24	FY 2024-25
1	Material Cost Variance			
2	Miscellaneous Losses Written Off			
3	Bad Debt Written Off/Provided For			
4	Cost of Trading & Manufacturing Activities			
5	Net Prior Period Credit/Charges			
6	Sub Total			
7	Less Chargeable to Capital Expenses			
8	Net Chargeable to Revenue	0.00	0.00	0.00

Note :

1. The above information is to be provided in consolidated form in case of Distribution Licensee.

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Electricity Department, Puducherry

Form F23

Electricity Department-Puducherry
TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Revenue from Tariff for the year FY 2022-23 (Actual)

Sl. No.	Category	No. of consumers	Components of tariff				Relevant sales & load/demand data for revenue calculation			Full year revenue (Rs. Crore)				Average Billing Rate (Rs/kWh)	Ratio of Average Billing Rate to Average Cost of Supply @ Rs 5.73/kWh (%)
			Fixed Charges		Energy Charges		sanctioned Load in kW	Contract Demand in KVA/MVA	Sales in MU	Revenue from Fixed Charges	Revenue from Energy Charges	Revenue from surcharge 8%	Total		
			Units	Fixed Charges	Units	Energy Charges									
1	Domestic & Cottage														
	0-100		Rs. Connection/Month	40	Rs. kWh	1.55			379.68		58.85		58.85		
	101-200		Rs. Connection/Month	45	Rs. kWh	2.60			201.41		52.37		52.37		
	201-300		Rs. Connection/Month	45	Rs. kWh	4.65			99.20		46.13		46.13		
	> 300		Rs. Connection/Month	45	Rs. kWh	6.05			100.11		60.57		60.57		
	Total	379088						663841	780.40	83.27	217.91		301.18	3.86	67.35%
2	Life Line Services														
	Life Line Services	2,528	-		Rs. kWh	1.00		2843	1.59	0.00	0.32		0.32	2.02	35.28%
3	Commercial														
	0-100		Rs. kWh/Month	75	Rs. kWh	5.70			4.74		2.70		2.70		
	101-250		Rs. kWh/Month	75	Rs. kWh	6.75			12.12		8.18		8.18		
	> 250		Rs. kWh/Month	75	Rs. kWh	7.50			189.80		142.35		142.35		
	Total	59005		75				154892	206.65	12.56	153.23		165.78	8.02	140.01%
4	Agriculture														
	Small Farmers		Rs. Hp/Month	20	-	-		6,592			0		0.00		
	Other Farmers		Rs. Hp/Month	50	-	-		34,010			0		0.00		
	Total	7109						40602	59.53		0.85		0.85	0.14	2.48%
5	Public Lighting														
	Public Lighting	51844	Rs. Pole/Month	110	Rs. kWh	6.80		6419	18.22	6.23	14.37		20.60	11.31	197.33%
6	LT Industrial & Water Works														
	LT Industrial	3512	Rs. kWh/Month	50	Rs. kWh	6.05		136673	118.97	8.20			8.20		
	Water Tank	913	Rs. Connection/Month	150	Rs. kWh	6.90			45.94	0.16			0.16		
	Total	4425						136673.00	164.91	8.36	95.61		163.97	6.30	110.03%
7	Temporary Supply-LT & HT														
	Temporary Supply-LT & HT	0	Rs. Connection/Month		Rs. kWh				3.85	0	0.00		3.62	9.39	163.89%
8	HT-L														
	HT Industries (For Supply at 11 kV, 22 kV or 33 kV)	326	Rs. kVA/Month	420	Rs. kVAh	5.20		208,107	895.33	104.89	489.29		594.17		
	HT Commercial (For contract demand up to 5000 kVA)	114	Rs. kVA/Month	420	Rs. kVAh	5.45		30,317	84.41	15.28	46.00		61.28		
	Total	440						238424	980	120.17	535.29		655.46	6.69	116.76%
9	HT-2 Others														
	HT-2 Others	72	Rs. kVA/Month	480	Rs. kVAh	6.35		23,646	62.67	13.62	41.33		54.98	8.77	153.02%
10	HT-3 EHT														
	EHT Industries (For Supply at 110 kV or 132 kV)	11	Rs. kVA/Month	480	Rs. kVAh	5.10		44,399	630.58	25.57	336.21		361.78	5.74	100.13%
11	Electric Vehicle Charging Station														
	Electric Vehicle Charging Station	0	-		Rs. kWh	4.50			0.00	0.00	0.00		0.00		
11	Hoarding and Signboards														
	Hoarding and Signboards	0	Rs. kVA/Month or part thereof	140	Rs. kWh	8.00			0.00	0.00	0.00		0.00		
12	Unbilled revenue and penal charges														

Electricity Department, Puducherry

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Form F23

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Revenue from Tariff for the year FY 2022-23 (Actual)

Sl. No.	Category	No. of consumers	Components of tariff				Relevant sales & load/demand data for revenue calculation			Full year revenue (Rs. Crore)				Average Billing Rate (Rs/kWh)	Ratio of Average Billing Rate to Average Cost of Supply @ Rs 5.73/kWh (%)
			Fixed Charges		Energy Charges		sanctioned Load in kW	Contract Demand in KVA/MVA	Sales in MU	Revenue from Fixed Charges	Revenue from Energy Charges	Revenue from surcharge 8%	Total		
			Units	Fixed Charges	Units	Energy Charges									
	Total	504,572					1,331,739	2,908.14	269.78	1,395.11		1,663.51	5.74		

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Form F24

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25

Revenue from Tariff for the year FY 2023-24 (Estimated)

Sl. No.	Category	No. of consumers	Components of tariff				Relevant sales & load/demand data for revenue calculation			Full year revenue (Rs. Crore)				Average Billing Rate (Rs/kWh)	Ratio of Average Billing Rate to Average Cost of Supply @ Rs 5.72/kWh (%)	
			Fixed Charges		Energy Charges		sanctioned Load in kW	Contract Demand in KV/MVA	Sales in MU	Revenue from Fixed Charges	Revenue from Energy Charges	Revenue from surcharge 8%	Total			
			Units	Fixed Charges	Units	Energy Charges										
1	Domestic & Cottage															
	0-100		Rs. Connection/Month	30	Rs./kWh	2.25			381.47		85.83					
	101-200		Rs. Connection/Month	30	Rs./kWh	3.25			210.31		68.35					
	201-300		Rs. Connection/Month	30	Rs./kWh	3.40			103.59		55.94					
	> 300		Rs. Connection/Month	30	Rs./kWh	6.80			119.54		81.28					
	Total	391883						694377	814.91	27.50	291.40	25.51	344.42	4.23	73.89%	
2	Life Line Services															
	Life Line Services	2,528	-		Rs./kWh	0.00		2843	1.58	0.00	0.00	0.00	0.00	0.00	0.00%	
3	Commercial															
	0-100		Rs./kW/Month	75	Rs./kWh	6.00		0	5.09		3.65					
	101-250		Rs./kW/Month	75	Rs./kWh	7.05		0	13.01		9.17					
	> 250		Rs./kW/Month	75	Rs./kWh	7.80		0	203.73		158.01					
	Total	6868						159539	221.82	16.50	171.13	15.01	202.64	9.14	159.71%	
4	Agriculture															
	Small Farmers		Rs./Hp/Month	20	-	-		0								
	Other Farmers		Rs./Hp/Month	75	-	-		0								
	Total	7110						80905	59.83	0.00	0.00	0.00	0.00	0.00	0.00%	
5	Public Lighting															
	Public lighting	54609	Rs./Pole/Month	110	Rs./kWh	7.10			18.22	7.10	12.9362	1.60	21.64	11.88	287.63%	
6	LT Industrial & Water Works															
	LT industrial		Rs./kW/Month	50	Rs./kWh	8.35			123.13	9.35	78.19	7.00	91.54	7.68		
	Water Tank		Rs. Connection/Month	150	Rs./kWh	7.20			47.55	0.00	34.23	2.74	36.97	7.78		
	Total	4500						139133	170.68	9.35	112.42	9.74	131.63	7.71	134.71%	
7	Temporary Supply-LT & HT															
	Temporary Supply-LT & HT	0	Rs. Connection/Month		Rs./kWh	0.00			2.84	0	0.00	0.00	0.00	0.00	0.00%	
8	HT-1															
	HT Industries (For Supply at 11 kV, 22 kV or 33 kV)	485	Rs./kVA/Month	420	Rs./kVAh	5.45			1008.60	142.00	549.69	55.33	747.02			
	HT Commercial (For contract demand up to 5000 KVA)		Rs./kVA/Month		Rs./kVAh	0.00				0.00	0.00	0.00	0.00			
	Total	485						243192	1009	142.00	549.69	55.33	747.02	7.41	128.48%	
9	HT-2 Others															
	HT-2 Others	73	Rs./kVA/Month	480	Rs./kVAh	8.25			23883	65.80	16.00	41.13	4.57	61.70	9.38	163.92%
10	HT-3 EHT															
	EHT Industries (For Supply at 110 kV or 132 kV)	12	Rs./kVA/Month	480	Rs./kVAh	5.50			48939	662.11	37.00	364.16	32.09	433.25	6.54	114.40%
11	Electric Vehicle Charging Station															
	Electric Vehicle Charging Station	0								0.00	0.00	0.00	0.00			
11	Hoarding and Signboards															
	Hoarding and Signboards	0								0.00	0.00	0.00	0.00			
	PPCCA charges										76					
	Total	522,068						1,379,192.00	3,026.39	255.45	1,618.87	143.87	1,942.18	6.42		

Electricity Department, Puducherry

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Form F24

Electricity Department-Puducherry
TRUE-UP FOR FY 2022-23, APR FOR 2023-24 and ARR FOR FY 2024-25
Revenue from Tariff for the year FY 2024-25 (As per the current Tariff)

Sl. No.	Category	No. of consumers	Components of tariff				Relevant sales & load/demand data for revenue calculation			Full year revenue (Rs. Crore)				Average Billing Rate (Rs/kWh)	Ratio of Average Billing Rate to Average Cost of Supply @ Rs 5.72/kWh (%)
			Fixed Charges		Energy Charges		sanctioned Load in kW	Contract Demand in KVA/MVA	Sales in MU	Revenue from Fixed Charges	Revenue from Energy Charges	Revenue from surcharge 8%	Total		
			Units	Fixed Charges	Units	Energy Charges									
1	Domestic & Cottage														
	0-100		Rs. Connection/Month	30	Rs. kWh	2.25			410.28		92.31				
	101-200		Rs. Connection/Month	30	Rs. kWh	3.25			217.64		79.73				
	201-300		Rs. Connection/Month	30	Rs. kWh	5.40			107.19		57.88				
	> 300		Rs. Connection/Month	30	Rs. kWh	6.80			108.18		73.56				
	Total	483639						726318	843.29	25.00	294.49	25.56	345.05	4.09	71.53%
2	Life Line Services														
	Life Line Services	2,529	-		Rs. kWh	0.00		2843	1.58	8.00	0.00	0.00	0.00	0.00	0.00%
3	Commercial														
	0-100		Rs. kWh/Month	75	Rs. kWh	6.00		0	5.33		3.20				
	101-250		Rs. kWh/Month	75	Rs. kWh	7.05		0	13.63		9.61				
	> 250		Rs. kWh/Month	75	Rs. kWh	7.80		0	213.41		166.46				
	Total	61000						164325	232.36	14.79	179.26	15.52	209.58	9.02	157.68%
4	Agriculture														
	Small Farmers		Rs. Hp/Month	20	-	-		0							
	Other Farmers		Rs. Hp/Month	75	-	-		0							
	Total	7137						61210	60.13	5.51	0.00	0.44	5.95	0.99	17.30%
5	Public Lighting														
	Public lighting	55000	Rs. Pole/Month	110	Rs. kWh	7.10		6544	18.22	6.25	12.9362	1.53	20.72	11.37	199.82%
6	LT Industrial & Water Works														
	LT industrial		Rs. kWh/Month	30	Rs. kWh	6.35			125.60	6.35	79.75	6.89	92.99	7.40	
	Water Tank		Rs. Connection/Month	150	Rs. kWh	7.20			48.50	0.15	34.92	2.81	37.87	7.81	
	Total	4600						141637	174.10	6.50	114.67	9.69	130.87	7.52	131.42%
7	Temporary Supply-LT & HT														
	Temporary Supply-LT & HT	0	Rs. Connection/Month		Rs. kWh	0.00			2.39	0	0.00	0.00	0.00	0.00	0.00%
8	HT-1														
	HT Industries (For Supply at 11 kV, 22 kV or 33 kV)		Rs. kVA/Month	420	Rs. kVAh	5.45			1059.03	160.33	577.17	59.00	796.50		
	HT Commercial (For contract demand up to 5000 kVA)		Rs. kVA/Month		Rs. kVAh	0.00				0.00	0.00	0.00	0.00		
	Total	490						248056	1059	160.33	577.17	59.00	796.50	7.52	131.49%
9	HT-2 Others														
	HT-Others	74	Rs. kVA/Month	480	Rs. kVAh	6.25		24122	67.12	17.18	41.95	4.73	63.86	9.51	166.34%
10	HT-3 EHT														
	EHT Industries (For Supply at 110 kV or 132 kV)	13	Rs. kVA/Month	480	Rs. kVAh	5.50		53723	688.59	31.50	378.73	32.82	443.04		0.00%
11	Electric Vehicle Charging Station														
	Electric Vehicle Charging Station														
11	Hoarding and Signboards														
	Hoarding and Signboards														
	Total	534,481						1,428,777.87	3,147.30	267.05	1,599.21	149.30	2,015.56	6.40	

Electricity Department, Puducherry

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15509/2023/Diary Section

Form F24

Electricity Department-Puducherry
TRUE-UP FOR FY 2022-23, ANNUAL REVENUE REQUIREMENT FOR FY 2024-25
Revenue from Tariff for the year FY 2024-25(As per the Proposed Tariff)

Sl. No.	Category	No. of consumers	Components of tariff				Relevant sales & load/demand data for revenue calculation			Full year revenue (Rs. Crore)				Average Billing Rate (Rs/kWh)	Ratio of Average Billing Rate to Average Cost of Supply @ Rs 5.72/kWh (%)
			Fixed Charges		Energy Charges		sanctioned Load in kW	Contract Demand in KVA/MVA	Sales in MU	Revenue from Fixed Charges	Revenue from Energy Charges	Revenue from surcharge 8%	Total		
			Units	Fixed Charges	Units	Energy Charges									
1	Domestic & Cottage														
	0-100		Rs./Connection/Month	30	Rs./kWh	2.75		419.28		112.83					
	101-200		Rs./Connection/Month	30	Rs./kWh	4.00		217.64		87.85					
	201-300		Rs./Connection/Month	30	Rs./kWh	6.00		107.19		64.32					
	> 300		Rs./Connection/Month	30	Rs./kWh	7.50		108.18		81.13					
	Total	403639						726318	843.29	26.15	345.33	29.72	401.19	4.76	83.17%
2	Life Line Services														
	Life Line Services	2,528	-		Rs./kWh	1.95		2843	1.58	0.00	0.31	6.02	0.33	2.11	36.82%
3	Commercial														
	0-100		Rs./kWh/Month	200	Rs./kWh	6.50		0	5.13		3.46				
	101-250		Rs./kWh/Month	200	Rs./kWh	8.00		0	13.63		10.90				
	> 250		Rs./kWh/Month	200	Rs./kWh	9.00		0	213.41		192.07				
	Total	61000						164325	232.36	39.44	206.43	19.67	265.54	11.43	199.79%
4	Agriculture														
	Small Farmers		Rs./Hp/Month	20	-	-		0					0.00		
	Other Farmers		Rs./Hp/Month	75	-	-		0					0.00		
	Total	7137						61210	60.13	5.51	0.00	0.44	5.95	0.99	17.30%
5	Public Lighting														
	Public Lighting	55000	Rs./Pole/Month	110	Rs./kWh	7.10			18.22	6.84	12.9362	1.58	21.36	11.72	204.94%
6	LT Industrial & Water Works														
	LT industrial		Rs./kWh/Month	100	Rs./kWh	7.00			125.60	11.13	87.92	7.92	106.97	8.52	
	Water Tank		Rs./Connection/Month	500	Rs./kWh	7.20			48.50	0.50	34.92	2.83	38.25	7.89	
	Total	4600						141637	174.10	11.63	122.84	10.76	145.22	8.34	145.83%
7	Temporary Supply-LT & HT														
	Temporary Supply-LT & HT	0	Rs./Connection/Month		Rs./kWh				2.80	0	8.00	0.00	0.00	0.00	0.00%
8	HT-1														
	HT Industries (For Supply at 11 kV, 22 kV or 33 kV)		Rs./kVA/Month	450	Rs./kVAh	6.00			1059.03	133.95	635.42	61.55	830.92		
	HT Commercial (For contract demand up to 5000 kVA)		Rs./kVA/Month	450	Rs./kVAh	6.50				0.00	0.00	0.00	0.00		
	Total	490						248056	1059	133.95	635.42	61.55	830.92	7.85	137.17%
9	HT-2 Others														
	HT-2 Others	74	Rs./kVA/Month	500	Rs./kVAh	6.75		24122	67.12	14.47	45.31	4.78	64.56	9.02	168.16%
10	HT-3 EHT														
	EHT Industries (For Supply at 110 kV or 132 kV)	13	Rs./kVA/Month	500	Rs./kVAh	6.00		53723	688.59	32.23	413.16	35.63	481.02	6.99	122.13%
	Electric Vehicle Charging Station														
11	Electric Vehicle Charging Station														
11	Hoarding and Signboards														
	Hoarding and Signboards														
	Total	534,451						1,428,777.87	3,147.30	370.22	1,781.72	164.16	2,216.10	7.84	

Electricity Department, Puducherry

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Form F25

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, ANNUAL REVENUE REQUIREMENT FOR FY 2024-25

Intra State Transmission Charges

S. No.	Particulars	Previous Year			Current Year			Control Period								
		Actual			Estimated			Projections								
		Contracted Capacity (MW)	Monthly Charge (₹/MW/Month)	Total Charges (₹ crore)	Contracted Capacity (MW)	Monthly Charge (₹/MW/Month)	Total charges (₹ crore)	1st Year			2nd Year			3rd Year		
								Contracted Capacity (MW)	Monthly Charge (₹/MW/Month)	Total charges (₹ crore)	Contracted Capacity (MW)	Monthly Charge (₹/MW/Month)	Total charges (₹ crore)	Contracted Capacity (MW)	Monthly Charge (₹/MW/Month)	Total charges (₹ crore)
1	Intra State Transmission Charges	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Wheeling Charges Payable to Other Distribution Licences	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Form F26

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, ANNUAL REVENUE REQUIREMENT FOR FY 2024-25

Inter State Transmission Charges

S. No.	Lines/ Links/ region	Previous Year Actual			Current Year Estimated			Ensuing Year Projections		
		FY 2022-23			FY 2023-24			FY 2024-25		
		Share			Share			Share		
		Annual Tariff (₹ crore)	Percentage	Charges payable (₹ crore)	Annual Tariff (₹ crore)	Percentage	Charges payable (₹ crore)	Annual Tariff (₹ crore)	Percentage	Charges payable (₹ crore)
A	Region									
B	PoC Charges applicable to the territory as per CERC Regulations									
C	Others									
D	Total			247.69			-14.00			177.91


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Form F27

Electricity Department-Puducherry

TRUE-UP FOR FY 2022-23, APR for FY 2023-24 & ANNUAL REVENUE REQUIREMENT FOR FY 2024-25

Details of Charges for Deviation

Month	FY 2022-23						FY 2023-24					
	Energy Over-drawn	Energy Under-drawn	Charges for Deviation Payable	Charges for Deviation Receivable	Net of Charges for Deviation Payable and Receivable	Additional UI Charges	Energy Over-drawn	Energy Under-drawn	Charges for Deviation Payable	Charges for Deviation Receivable	Net of Charges for Deviation Payable and Receivable	Additional UI Charges
	MU	MU	₹ crore	₹ crore	₹ crore	₹ crore	MU	MU	₹ crore	₹ crore	₹ crore	₹ crore
April	3.34	8.93			0.25		3.34	8.93			0.00	
May	3.43	11.05			1.89		3.43	11.05			0.00	
June	3.17	9.15			0.95		3.17	9.15			0.00	
July	3.92	10.46			0.86		3.92	10.46			0.00	
August	3.61	8.85			1.07		3.61	8.85				
September	3.00	10.33			1.40		3.00	10.33				
October	2.95	19.27			3.34							
November	3.24	9.58			2.31							
December	3.67	11.15			2.54							
January	2.26	15.94			2.18							
February	1.21	16.14			1.74							
March	1.13	18.90			4.10							
Total	34.92	149.74			22.63	0.00	20.48	58.76	0.00	0.00	0.00	

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15509/2023/Diary Section

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First Name	Last Name	Display Name	Nickname	E-mail Address	E-mail 2 Address
se1ped.pon		se1ped.pon		se1ped.pon@nic.in	

15509/2023/Diary Section

1ltw1-0z04b

E-mail 3 Address Home Phone Business Phone Home Fax Business Fax Pager Mobile Phone

15509/2023/Diary Section

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Home Street Home Address 2 Home City Home State Home Postal Code Home Country

15509/2023/Diary Section

1ltw1-0z04b

Business Address	Business Address 2	Business City	Business State	Business Postal Code
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15509/2023/Diary Section

1ltw1-0z04b

Business Country	Country Code	Related name	Job Title	Department	Organization	Notes	Birthday
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