



PETITION FOR APPROVAL OF TRUE-UP OF FY 2021-22,
ANNUAL PERFORMANCE REVIEW OF 2022-23 AND
AGGREGATE REVENUE REQUIREMENT (ARR) AND
DETERMINATION OF TARIFF FOR FY 2023-24
OF
ELECTRICITY DEPARTMENT, GOVERNMENT OF PUDUCHERRY
SUBMITTED TO
THE HON'BLE JOINT ELECTRICITY REGULATORY COMMISSION
GURUGRAM

BY
ELECTRICITY DEPARTMENT, GOVERNMENT OF PUDUCHERRY

DECEMBER 2022

**GOVERNMENT OF PUDUCHERRY
ELECTRICITY DEPARTMENT**

137, Nethaji Subhash Chandra Bose Salai, Puducherry - 605 001
Phone: 0413 – 2334277 (Per); 0413-2336361 (PBX); Fax: 0413 – 2331556
Web site: <http://electricity.puducherry.gov.in> e-mail: se1ped.pon@nic.in

T.CHANEMOUGAM

Superintending Engineer cum HOD

No.3223 /ED/SE-I/Tech-I/F-49-Tariff /2022-2023

Date: 22 /12/2022.

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 2021-22, Annual Performance Review(APR) for FY 2022-23 and Tariff determination for FY 2023-24- Submitted-Regarding.

-oOo-

I am enclosing six copies of Petition containing True up for 2021-22, Annual Performance Review(APR) for FY 2022-23 and Tariff determination for FY-2023-24, for favourable consideration of the Hon'ble Commission.

2. The Petition fee of Rs.46,00,588 (Rupees forty six lakhs five hundred and eighty eight only) is worked out below:

The projected sale of power for FY 2023-24 is 2880.47MU

The petition fee (@Rs.1.25 /1000 units) is Rs.36,00,588/- plus

Fees towards True Up of FY-2021-22 and Annual Performance Review of tariff by the Licensee for FY-2022-23 is Rs.10,00,000/-

3. The petition fee of Rs.46,00,588 has been sent through RTGS mode in favour of JERC Account No.0987100100000370, IFSC code:PUNB0098710 on 05.12.2022.The delay in filing the Tariff petition may please be condoned.

Yours faithfully,



(T.CHANEMOUGAM)

Superintending Engineer Cum HOD

Encl: As above.

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

FILE NO:

Petition No. of 2022

**IN THE MATTER OF: PETITION FOR APPROVAL OF TRUE UP OF
FY-2021-22 AND ANNUAL PERFORMANCE
REVIEW OF FY-2022-23 AND FIXING OF TARIFF
FOR FY-2023-24.**

AND

**IN THE MATTER OF: ELECTRICITY DEPARTMENT, PUDUCHERRY
PETITIONER**

AFFIDAVIT

I, T.Chanemougam, Son of M. Tandayoubany aged about 57 years, residing at No.3, Saint Simon Street, Muthialpet, Puducherry 605 001, 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
SUPERINTENDING ENGINEER
-cum-HOD
Electricity Department
Puducherry

2. I, the deponent named above do hereby verify that the contents of the affidavit and those of the accompanying petition are true to 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-2021-22 and Annual Performance Review of FY-2022-23 and fixing of tariff for FY-2023-24 (Six Copies of Petition)**

(Deponent)


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, B.A., LL.B.
ADVOCATE & NOTARY PUBLIC
(GOVT. OF INDIA)
Advocate, VALANKANNI STREET,
KAMARAJ NAGAR, PUDUCHERRY-605 011.

Solemnly affirmed before me on this day of December 2022, 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.

True-up for FY 2021-22, APR for FY 2022-23, and ARR for 2023-24

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

Filing No.....

Case No.....

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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

Sr. No	Abbreviations	Descriptions
41	MU	Million Units (Million kWh)
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

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 Thiruvavarur 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, 110 kV & 132 kV and distribution network at 33 kV, 22 kV, and 11 kV and 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) vide their Regulations on applicable terms and conditions of Tariff for Distribution

Licensees as notified in 2014, 2018 and 2021.

- 1.3.2 PED has filed its petition for True-up for FY 2017-18 and FY 2018-19 under JERC (Multi Year Distribution Tariff) Regulations, 2014, Annual Performance Review for FY 2019-20 and determination of Aggregate Revenue Requirement (ARR) & Retail Tariff for distribution and retail sale of electricity for FY 2020-21 under section 61, 62 & 64 of the Electricity Act, 2003 and JERC (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018 (hereinafter referred to as “MYT Regulations 2018”) against which Tariff Order was issued by the Hon’ble Commission on 18th May, 2020.
- 1.3.3 PED has filed its petition for True-up for FY 2019-20, Annual Performance Review for FY 2020-21 and determination of Aggregate Revenue Requirement (ARR) & Retail Tariff for distribution and retail sale of electricity for FY 2021-22 under section 61, 62 & 64 of the Electricity Act, 2003 and JERC MYT Regulations 2018 against which Tariff Order was issued by the Hon’ble Commission on 07th April, 2021.
- 1.3.4 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.
- 1.3.5 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 2023-24 & 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.

1.4 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

"These Regulations shall be applicable for determination of tariff in all matters covered under these Regulations from FY 2022-23 onwards and upto FY 2024-25, i.e., from April 1, 2022, to March 31, 2025, unless otherwise reviewed / modified / extended."

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

- 1.4.4 PED has adopted the principles of JERC MYT Regulations, 2021, for determination of ARR and tariff for FY 2023-24. However, PED is also submitting the petition for True-up of FY 2021-22 as per actuals and Annual Performance Review of FY 2022-23 in line with JERC MYT Regulations, 2018 and JERC MYT Regulations, 2021 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.

CHAPTER 2. OVERALL APPROACH FOR PRESENT FILING

In this petition, Puducherry Electricity Department is filing the True-up for FY 2021-22 and APR for FY 2022-23 along with ARR and determination of tariff for FY 2023-24.

2.1 True-up for FY 2021-22

2.1.1 As specified in the JERC MYT Regulations 2018, 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 2021-22 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 2022-23

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 2022-23 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 2023-24

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 2023-24 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.

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 2021-22, the petition has been prepared in line with the financial statements and actual figures available with the department. The projections for the FY 2023-24 have been adopted based on the JERC MYT regulations 2021.

2.4.3 True-Up for FY 2021-22, APR for FY 2022-23 and ARR for FY 2023-24 have been carried out separately and details of the same are presented separately.

CHAPTER 3. TRUE UP OF FY 2021-22

3.1 Preamble

3.1.1 This section outlines the performance of Puducherry Electricity Department (PED) for FY 2021-22. PED had filed a petition for determination of tariff and revised ARR of FY 2021-22 before the Hon'ble Commission on December 2020. The Hon'ble Commission after undertaking a thorough analysis had issued the Tariff Order for FY 2021-22 on 7th April, 2021. The Hon'ble Commission had issued the Tariff Order for the 3rd Control Period from FY 2022-23 to FY 2024-25 including Annual Performance review for FY 2021-22 on 31st March, 2022.

3.1.2 This chapter summarizes each of the components of True-up for FY 2021-22 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 2021-22 in comparison of the approved numbers below:

Table 3-1: Details of No. of Consumers for FY 2021-22

No	Particulars	Approved in Tariff Order	Actuals
1	Domestic	376518	369941
2	OHOB	8808	8248
3	Commercial	61242	57490
4	Agriculture	7102	7056
5	Public Lighting	51399	51609
6	LT Industrial & Water Tank	6717	4423
	Total LT	511786	498767
7	HT 1 Industrial & Commercial	439	448
8	HT 2 Government & Water Tank	108	66
9	HT 3 EHT	7	10
	Total HT	554	524
	TOTAL LT & HT	512340	499291

3.2.2 It is requested to Hon'ble Commission to consider the number of consumers as submitted in the above table for FY 2021-22.

3.3 Energy Sales

3.3.1 The total sales of PED for FY 2021-22 are 2782.63 MUs. The category wise actual and approved sales for FY 2021-22 are shown in the table below.

Table 3-2: Sales (MUs) for FY 2021-22

No	Particulars	Approved in Tariff Order	Actuals
1	Domestic	833.17	803.76
2	OHOB	0.32	3.62
3	Commercial	211.33	174.45
4	Agriculture	62.94	60.06
5	Public Lighting	24.83	19.95
6	LT Industrial & Water Tank	164.45	170.07
7	Temp. LT	4.75	3.85
	Total LT	1301.79	1235.76
8	HT 1 Industrial & Commercial	1005.59	911.82
9	HT 2 Government & Water Tank	74.10	55.45
10	HT 3 EHT	422.66	579.60
	Total HT	1502.35	1546.87
11	Export to other Region	-	-
	Total Sales	2804.14	2782.63

3.3.2 Based on the above submission PED requests the Hon'ble Commission to approve the actual sales for FY 2021-22 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 2021-22 tariff order. PED submits the actual energy loss for FY 2021-22 as 11.08%. 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 2021-22 (MU)

S. No.	Particulars	FY 2021-22 Actuals
A)	Energy Requirement	
1	Total Sales within the UT	2782.63
2	Energy Drawal by TANGEDCO	0.00
3	Sales to Electricity Traders / Power Exchange	
4	Sale to Open access Consumers	
5	Total Sales	2782.63
6	T&D Losses	
a	T&D Loss (%)	11.08%
b	T&D Loss (MU)	346.84
7	Total Energy Requirement	3129.47

S. No.	Particulars	FY 2021-22 Actuals
B)	Energy Availability	

S. No.	Particulars	FY 2021-22 Actuals
1	Net Power Purchase (ex Bus)	3079.13
2	Own Generation (PPCL+ Renewable)	236.44
3	Power purchase from Common Pool / UI-overdrawal / Traders / Exchange / Others	33.18
4	UI Underdrawal	117.70
5	Open Access Power Purchase at periphery	
6	Net Power Purchased (1+2+3-4+5)	3231.04
7	Transmission Losses	101.57
	Transmission Losses (%)	3.25%
8	Total Energy Availability (4-5-6)	3129.47
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 11.08% for FY 2021-22.

3.4.4 Further, the Transmission/PGCIL Losses of 3.25% for FY 2021-22 may be approved by the Hon'ble Commission.

3.5 Power Purchase Quantum & Cost for FY 2021-22

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 2021-22 including Transmission Charges, UI charges and purchase from traders.

Table 3-4: Power Purchase Quantum & Cost for FY 2021-22

S. No.	Particulars	Approved (FY 2021-22)			Actuals (FY 2021-22)		
		Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)	Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)
1	NTPC	1232.13	423.32	3.44	1173.91	389.68	3.32
2	NLC	875.27	346.18	3.96	631.82	230.54	3.65
3	PPCL	231.39	109.34	4.73	236.44	99.63	4.21
4	KAIGA	289.85	104.55	3.61	294.52	105.14	3.57
5	MAPS	29.21	7.88	2.70	14.71	4.18	2.84
6	NTECL	119.45	79.78	6.68	75.17	56.33	7.49
7	KKNP	276.93	104.89	3.79	474.51	204.59	4.31
8	NNTPS	84.85	30.17	3.56	326.18	133.01	4.08
9	NTPL (Tuticorin)				88.31	59.49	6.74
10	Open market	73.16	19.60	2.68	0.00	0.00	0.00
11	OA Power purchase						
12	PGCIL (POC + Non POC Charges)		66.21			173.29	
13	SRLDC Charges					0.64	
14	SRPC					0.12	
15	RPO Obligations					0.00	
16	KPTCL					0.01	
17	UI Charges					0.49	
18	Power purchased expenses for prior period						
19	Sub-Total					1457.14	
20	Adjustments Bills / Debit Notes / Credit Notes for prior period						
21	Less: Interest cost					25.01	
22	Power Purchase Cost (Sub- Total)	3212.25	1366.83	4.26		1432.13	
23	URS Income					27.49	
24	UI/DSM Charges					22.63	
25	RARS Charges					6.34	
26	Sale of Trading Materials					0.50	
27	Sub-total (Additional Income)					56.96	
28	Net Power Purchase Cost	3212.25	1366.83	4.26	3231.04	1375.18	4.25

3.5.3 Accordingly, Hon'ble Commission is requested to approve Rs. 1375.18 Cr for FY 2021-22 as power purchase cost incurred during the year, as per the Financial Accounts of FY 2021-22.

3.6 Renewable Purchase Obligation FY 2021-22

- 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 notified the JERC (Procurement of Renewable Energy), (Third Amendment) Regulations, 2016 on 22nd August 2016 and revised the RPO targets, according to which the Petitioner had to purchase 17.00% of its total consumption (8.00% from Solar and 9.00% from Non-Solar) from renewable sources for the FY 2021-22.

- 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 2021-22 as shown in the following table:

Table 3-5: Renewable Purchase Obligation for FY 2021-22

S.No	Description	Unit	FY 2021-22
1	Sales Within State	MUs	2782.63
2	RPO Obligation	%	17.00%
	- Solar	%	8.00%
	- Non-Solar	%	9.00%
3	RPO Obligation	MUs	473.00
	- Solar	MUs	222.59
	- Non-Solar	MUs	250.41
4	RPO Purchase	MUs	38.79
	Physical Power		
	- Solar	MUs	38.79
	- Non-Solar	MUs	-
	Renewable Energy Certificate		
	- Solar	MUs	-
	- Non-Solar	MUs	-
5	Cumulative RPO Obligation		
	- Solar	MUs	636.18
	- Non-Solar	MUs	788.26

3.7 Operation & Maintenance Expenses

- 3.7.1 As per Regulation 51 of JERC MYT Regulations, 2018, the Hon’ble Commission shall stipulate separate trajectory of norms for each component of O&M expenses.

“51.1 The Operation and Maintenance expenses for the Distribution Wires Business shall be computed in accordance with this Regulation.

51.2 Operation and Maintenance (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.*

51.3 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 transmission Licensee, estimates of the actuals for the Base Year, prudence check and any other factors considered appropriate by the Commission.

51.4 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,

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

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

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

‘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;

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.

51.5 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.

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

GFA_{n-1} – Gross Fixed Asset of the Licensee for the n-1th Year;”

3.7.2 Employee Expenses: PED has computed the O&M (Employee) expense for FY 2021-22 based on the actual employee expenses incurred during the entire year.

3.7.2.1 The employee cost incurred during the year for FY 2021-22 is Rs 140.58 Crore.

Table 3-6: Employee Expenses for FY 2021-22(Rs. Cr)

Particulars	Approved by Commission (FY 2021-22)	Actuals (FY 2021-22)
Salary	116.31	155.20
Wages		0.82
Stipend		0.72
Overtime Payment		
Less: Departmental Charges		0.53
Less: Salary Costs Capitalized		16.23
Net amount		
Add: prior period expenses		
Total Employee Expenses for PED	116.31	140.58

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. 0.53 Cr from the employee Expenses. Further, an amount of Rs. 16.23 Cr has been capitalized from the employee expenses during the year FY 2021-22.

3.7.2.3 Accordingly, PED requests the Hon'ble Commission to kindly approve the actual net cost of Rs 140.58 Cr towards employee expenses during the year for FY 2021-22.

3.7.3 **Repairs & Maintenance Expenses:** The repairs and maintenance cost has been claimed as per expenses actually incurred during FY 2021-22.

Table 3-7: R&M Expenses for FY 2021-22 (Rs. Cr)

S. No.	Particulars	Approved by Commission (FY 2021-22)	Actuals (FY 2021-22)
1	R&M Expenses	11.77	15.56

3.7.3.1 As seen from the table above R&M expenses incurred actually for FY 2021-22 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. 15.56 Cr for FY 2021-22 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 2021-22 are shown in the table below.

Table 3-8 A&G Expenses for FY 2021-22 (Rs. Cr)

S. No.	Particulars	Approved by Commission (FY 2021-22)	Actuals (FY 2021-22)
1	A & G Expenses	14.20	14.23

3.7.4.1 The Hon'ble Commission is therefore requested to approve the A&G expenses of Rs. 14.23 Cr for FY 2021-22.

3.7.5 **O&M Expenses Summary:** The actual O&M expenses for the year FY 2021-22 are summarised below:

Table 3-9: O&M Expenses for FY 2021-22 (Rs. Cr)

Summary of O&M Expenses for FY 2021-22		
Particulars	Approved by Commission (FY 2021-22)	Actual
A&G Costs	14.20	14.23
R&M Expenses	11.77	15.56
Employee Cost	116.31	140.58

Summary of O&M Expenses for FY 2021-22		
Particulars	Approved by Commission (FY 2021-22)	Actual
Total O&M Expenses for the purpose of sharing of Gains/Losses	142.28	170.37
Add: Additional expenses due to Statutory/ Change in Law payments		-
Total O&M Expenses	142.28	170.37

3.7.6 The Hon'ble Commission is requested to approve the O&M Expenses of Rs. 170.37 Cr for FY 2021-22 as shown in the table above. The details of O&M expense for FY 2021-22 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 2021-22 comes to around Rs.864.29 Cr as per the financial statements for FY 2021-22. The following table shows the opening balance, additions and closing balance of GFA for FY 2021-22.

Table 3-10: GFA for FY 2021-22 (Rs. Cr)

S. No.	Particulars	Approved by commission (FY 2021-22)	Actuals (FY 2021-22)
1	Opening value of the assets at the beginning of the year	968.85	954.63
2	Additions during the year	100.00	74.90
3	Less: Grant Provided by GOI	0.00	0.00
4	Value of assets sold/disposed off	0.00	0.00
5	Gross Fixed Assets at the end of the year	1068.85	1029.53

3.8.2 PED submits that GFA addition during FY 2021-22 is Rs. 74.90 Cr. 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. 74.90 Cr.

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 2021-22.

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 30 of the JERC MYT Regulations, 2018.

3.8.5 Regulation 30 of the JERC MYT Regulations, 2018 stipulates the following:

“30. Depreciation

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

Provided that the depreciation shall be allowed after reducing the approved original cost of the retired or replaced or decapitalized assets: In the ARR Order, the Commission approved the following asset wise depreciation rate as per the CERC Tariff Regulations, 2014:

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

30.2 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.

30.3 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.

30.4 In case of existing assets, the balance depreciable value as on April 1, 2019, shall be worked out by deducting the cumulative depreciation as admitted by the Commission up to March 31, 2018, from the gross depreciable value of the assets.

30.5 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.

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

30.7 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 the Regulations.

30.8 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.

30.9 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."

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%

3.8.7 The following table shows the depreciation arrived by PED for FY 2021-22 based on the approved depreciation rates specified by the Hon'ble Commission for different asset class.

Table 3-12: Depreciation-Normative for FY 2021-22 (Rs. Cr)

Sr. No.	Name of the Assets	Rate of Depreciation	Actual		
			FY 2021-22		
			Assets value at the beginning of the year	Addition during the Year	Depreciation charges
1	Land and Land rights	0.00%	10.37	0.00	0.00
2	Building	1.80%	24.53	0.00	0.44
3	Plant & Machinery	3.60%	535.98	59.58	20.37
4	Lines and Cables Network	3.60%	334.39	9.89	12.22

Sr. No.	Name of the Assets	Rate of Depreciation	Actual		
			FY 2021-22		
			Assets value at the beginning of the year	Addition during the Year	Depreciation charges
5	Vehicles	18.00%	2.67	0.00	0.48
6	Furniture and Fixtures	6.00%	0.21	0.00	0.01
7	Office Equipment's	6.00%	1.19	0.04	0.07
8	IT Equipment's	6.00%	2.82	0.01	0.17
9	Testing & Measuring Equipment's	6.00%	4.68	0.00	0.28
10	SCADA P&M	6.00%	37.79	5.38	2.43
Total			954.63	74.90	36.47

S. No.	Particulars	Approved by Commission	Actuals
1	Opening value of the assets at the beginning of the year	968.85	954.63
2	Additions during the year	100.00	74.90
3	Value of assets sold /disposed off	0.00	0.00
4	Gross Fixed Assets at the end of the year	1068.85	1029.53
5	Net Depreciation for the year	37.39	36.47
6	Average Depreciation Rate	3.67%	3.68%

3.8.1 Since there are certain assets that have been depreciated to more than 90%, thus further depreciation on them is not sought on normative principles.

3.8.2 The Hon'ble Commission is requested to approve Rs. 36.47 Cr as depreciation for FY 2021-22.

3.9 Interest & Finance Charge

3.9.1 As per regulation 28 of JERC MYT Regulations, 2018,

"28. Interest on Loan

28.1 The loans arrived at in the manner indicated in Regulation 26 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-capitalization 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 de-capitalised or retired or replaced assets, based on documentary evidence.

28.2 The normative loan outstanding as on April 1, 2019, shall be worked out by deducting the cumulative repayment as admitted by the Commission up to March 31, 2018, from the gross normative loan.

28.3 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 30.

28.4 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 the rate of interest for the purpose of allowing the interest on the normative loan.

28.5 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 capitalization approved by the Commission for the Year.

28.6 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 may be 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.

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

28.8 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.

28.9 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 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.

28.10 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 and the Transmission Licensee or the Distribution Licensee and the Consumers of Distribution Licensee.

28.11 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."

- 3.9.2 The Regulation 28 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 2021-22.

Table 3-13: Interest & Finance Charges for FY 2021-22 (Rs. Cr)

S. No.	Particulars	Approved	Actuals
1	Opening Normative Loan	178.05	178.85

S. No.	Particulars	Approved	Actuals
2	Add: Normative Loan during the Year	70.00	52.43
3	Less: Normative Repayment	37.39	36.47
4	Closing Normative Loan	210.66	194.81
5	Average Normative Loan	194.35	186.83
6	Rate of Interest(@SBAR)	8.00%	8.00%
7	Interest on Normative Loan	15.55	14.95
8	Other Finance Charges	0.00	2.40
9	Total Interest and Finance Charges	15.55	17.35

3.9.3 It is submitted that PED has considered an addition of Rs. 74.90 Cr in the Gross Fixed Assets for FY 2021-22. 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. 17.35 Cr for FY 2021-22 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 2021-22 as per JERC MYT Regulations, 2018.

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 requirement.

3.10.3 The Interest on Working Capital approved by the Hon'ble Commission and claimed for FY 2021-22 is as shown in the table below.

Table 3-14: Interest on Working Capital for FY 2021-22 (Rs. Cr)

S. No.	Particulars	Approved	Actuals
1	Two Months Receivable	285.68	272.60
2	O&M Expense - 1 month	11.86	14.20
3	Maintenance Spare @ 40% of R&M Exp - one month	0.39	0.52

S. No.	Particulars	Approved	Actuals
4	Less: Amount held as Security Deposit	238.62	227.31
5	Total	59.30	60.00
6	Interest Rate	9.75%	9.00%
7	Interest on working capital	5.78	5.40

3.10.4 The Interest on Working Capital approved by the Hon'ble Commission for the FY 2021-22 was Rs. 5.78 Cr. Based on the actuals for FY 2021-22, the interest on working capital works out to be Rs. 5.40 Cr.

3.11 Security Deposits

3.11.1 Interest on Security Deposits has been calculated in accordance with the JERC MYT Regulations, 2018 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 2020-21. 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 3-15: Interest on Security Deposit for FY 2021-22 (Rs. Cr)

S. No.	Particulars	Approved	Actuals
1	Opening Security Deposit	229.05	222.09
2	Add: Deposits during the year	19.14	23.64
3	Less: Deposits refunded		13.19
4	Less: Deposits in the form of BG/FDR		0.00
5	Closing Security Deposit	248.19	232.54
6	Average Security Deposit	238.62	227.31
7	Bank Rate	4.65%	4.25%
8	Interest on Security Deposit	11.10	9.66
9	Interest on Security Paid to Consumers		6.92

3.11.2 The normative Interest on Security Deposit of Rs. 9.66 Cr payable for FY 2021-22 as showcased in the table above. However, it is submitted that the actual interest paid to the consumers in FY 2021-22 is Rs. 6.92 Cr 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. 6.92 Cr 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 2021-22 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 2018, 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 2021-22 equal to 30% of asset capitalized in FY 2021-22 has been considered.
- 3.13.4 In line with the JERC MYT regulation and the methodology adopted in the previous tariff order, PED has calculated the Return on Equity as outlined in the following table for FY 2021-22.

Table 3-16: Return on Equity for FY 2021-22 (Rs. Cr)

S. No.	Particulars	Approved	Actuals
1	Opening Equity Amount	290.65	286.39
2	Equity Addition during year (30% of Capitalization)	30.00	22.47
3	Closing Equity Amount	320.65	308.86
4	Average Equity Amount	305.65	297.62
5	Average Equity-Wires Business	275.09	267.86
6	Average Equity (Retail Supply Business)	30.57	29.76
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	42.64	41.52
10	Return on Equity for Retail Supply Business	4.89	4.76
11	Total Return on Equity	47.53	46.28

- 3.13.5 In view of above, the Hon'ble Commission is requested to kindly allow the above Return on Equity of Rs. 46.28 Cr for FY 2021-22.

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 2021-22 was Rs. 3.38 Cr.

3.14.2 The Non-Tariff Income for FY 2021-22 are as per actuals is Rs. 3.63 Cr. The details of non-tariff income (excluding revenue from UI power and other income) for FY 2021-22 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. 3.63 Cr for FY 2021-22.

3.15 Revenue from Sale of Power at Existing Tariff

3.15.1 The Revenue from Tariff for FY 2021-22 was Rs. 1,635.59 Cr. The actual revenue earned from tariffs for FY 2021-22 is shown in the table below:

Table 3-17: Revenue from Tariff for FY 2021-22

S. No.	Particulars	Sales (MUs)	Revenue (Rs. Cr)
LT Category			
1	Domestic	803.76	242.35
2	OHOB	3.62	0.36
3	Commercial	174.45	158.50
4	Agriculture	60.06	4.26
5	Public Lighting	19.95	19.77
6	LT Industrial & Water Tank	170.07	119.39
7	Temporary Supply - LT&HT	3.85	3.88
	Total LT	1235.76	548.51
HT Category			
9	HT 1 Industrial / Commercial	911.82	631.81
10	HT 2 - Government	55.45	53.01
11	HT 3 - EHT	579.60	315.90
12	Total HT	1546.87	1000.72
13	Total LT and HT	2782.36	1549.23
14	BPSC Charges LT		53.91
15	BPSC Charges HT		19.30
16	Penal Charges		2.63
17	Incentives		
18	5% Surcharge		-
19	Export to Other Region		
20	Consumption of this Financial Year's March billed in Next FY's April		113.95
21	Consumption of previous FY's March billed Current FY's in April		-103.39
22	Total	2,782.63	1635.59

3.15.2 In view of above, PED requests the Hon'ble Commission to kindly allow Revenue of

Rs. 1,635.59 Cr.

3.16 Aggregate Revenue Requirement for FY 2021-22

3.16.1 The Aggregate Revenue Requirement for FY 2021-22 as approved by the Hon'ble Commission was Rs. 1621.27 Cr against which the ARR for FY 2021-22 on basis of actuals is Rs. 1657.08 Cr. The calculation for Aggregate Revenue Requirement on the basis of actuals for FY 2021-22 is shown below:

Table 3-18: Calculation of ARR for FY 2021-22 (Rs. Cr)

S. No.	Particulars	Approved by Commission	Claimed in True-up
1	Cost of power purchase	1366.83	1375.18
2	Employee Costs	116.31	140.58
3	Administration and General Expenses	14.20	14.23
4	R&M expenses	11.77	15.56
5	Depreciation	37.39	36.47
6	Interest & Finance Charges	15.55	17.35
7	Interest on CSD	11.10	9.66
8	Interest on Working Capital	5.78	5.40
10	Return on Equity	47.53	46.28
11	Provision for Bad Debt	0.00	0.00
12	Total Revenue Requirement	1626.46	1660.71
13	Less: Non- Tariff Income	5.19	3.63
14	Net Aggregate Revenue Requirement	1621.27	1657.08

3.16.2 The Petitioner hereby requests the Hon'ble Commission to approve the ARR of Rs.1657.08 Cr for FY 2021-22 as submitted above.

3.17 Revenue Gap for FY 2021-22

3.17.1 The Revenue surplus approved by the Hon'ble Commission for FY 2021-22 was Rs. 39.90 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 2021-22 is shown in the table below:

Table 3-19: Revenue Gap for FY 2021-22 (Rs. Cr)

S. No.	Particulars	Approved	Actuals
1	Aggregate Revenue Requirement	1621.27	1657.08
2	Revenue from Sale of Power	1596.50	1635.59
3	Regulatory Surcharge @ 5%		78.87
3	Revenue Gap/ (Surplus) excluding Regulatory Surcharge	(24.77)	21.49

3.17.1 PED hereby requests Hon'ble Commission to approve the net Revenue gap of Rs.

21.49 Cr for FY 2021-22.

CHAPTER 4. REVISED ANNUAL REVENUE REQUIREMENT FOR FY 2022-23

4.1 Background to FY 2022-23 Petition

4.1.1 PED had filed a petition for True-up for FY 2020-21 based on actual figures, along with Annual Performance review FY 2021-22 and revised Annual Revenue Requirement for MYT Control Period from FY 2022-23 to FY 2024-25, before the Hon'ble Commission. Accordingly, the Hon'ble Commission had issued the Tariff Order for FY 2022-23 on 31st March 2022.

4.1.2 This chapter summarizes each of the components of ARR for FY 2022-23 and requests the Hon'ble Commission to revise the Annual Revenue Requirement for FY 2022-23. The Revised Annual Revenue Requirement for FY 2022-23 has been prepared based on the estimated expenditures & revenue from sales for FY 2022-23 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 2022-23, 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 2022-23. The Commission had approved 5.14 lakh consumers for FY 2022-23. PED is submitting the revised estimates for FY 2022-23 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 2022-23

S. No.	Particulars	Approved	FY 2022-23 Revised Estimates
1	Domestic	380469	381940
2	OHOB	8248	8248
3	Commercial	58143	59490
4	Agriculture	7081	7096
5	Public Lighting	51612	52609
6	LT Industrial & Water Tank	4430	4473
7	Total LT	509983	513856
8	HT 1 Industrial & Commercial	465	463
9	HT 2 Government	67	67
10	HT 3 EHT	8	10
11	Total HT	540	540
12	Total LT and HT	510523	514396

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 2022-23.

4.3 Energy Sales

- 4.3.1 The Commission approved sales of 2826.36 MUs in MYT order for FY 2022-23. In the current petition for FY 2022-23, PED has considered the same sales as approved by the Commission during FY 2022-23. The revised sales for FY 2022-23 are 2826.36 MUs. PED submits the revised sales figure for FY 2022-23.

Table 4-2: Sales for FY2022-23 (MUs)

S. No.	Particulars	Approved in T.O.	FY 2022-23 Revised Estimates
1	Domestic	826.89	818.90
2	OHOB	3.50	3.62
3	Commercial	210.00	185.96
4	Agriculture	61.75	61.75
5	Public Lighting	19.00	19.00
6	LT Industrial & Water Tank	167.68	174.07
7	Temporary Supply - LT&HT	5.06	5.06
8	Total LT	1293.88	1268.36
9	HT 1 Industrial & Commercial	1018.36	923.00
10	HT 2 Government	76.75	51.00
11	HT 3 EHT	437.37	584.00
12	Total HT	1532.48	1558.00
13	Total LT and HT	2826.36	2826.36

- 4.3.2 It is requested to Hon'ble Commission to approve the revised sales of 2826.36 MUs for FY 2022-23.

4.4 Distribution Loss & Energy Requirement

- 4.4.1 The Hon'ble Commission had approved energy loss of 11% in the Business Plan for the third MYT control period FY2022-23 to FY 2024-25 and subsequently in Tariff order dated 31st March 2022. PED has now considered the T & D loss of 11.00% for FY 2022-23. 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 2022-23

Sr. No.	Particulars	(Revised Estimates)
		FY 2022-23
A)	ENERGY REQUIREMENT	
1	Energy sales to metered category within the State	2826.36
2	Energy exported to TANGEDCO	-
3	Total sales within the State	2826.36

Sr. No.	Particulars	(Revised Estimates)
		FY 2022-23
4	T&D Losses (%)	11.00%
5	T&D Losses (MU)	349.32
6	Energy required at Discom Periphery	3,175.68
B)	ENERGY AVAILABILITY	
1	Net Power Purchase (ex Bus)	2,713.68
2	Own Generation (PPCL)	196.24
3	Power Purchase from Renewable sources	418.01
4	Power purchase from Common Pool / UI-over drawl / Traders / Exchange / Others	20.48
5	UI Under drawl	58.76
6	Open Access Power Purchase at periphery	-
7	Net Power Purchased (1+2+3+4-5+6)	3,289.65
8	Transmission Losses	67.84
9	Transmission Losses (%)	2.50%
10	Total Energy Availability (7-8)	3,221.81
11	Deficit/(Surplus)	(46.13)

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 2022-23. 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 2022-23 is 1800.31 MU and power purchase cost of Rs. 846.56 Cr. However, for the purpose of the estimation of purchase quantum for H2 for FY 2022-23, PED has considered the revised estimates based on the approved Distribution loss of 11% and Transmission loss 2.5% arriving at a Power Purchase quantum of 3289.65 MU's. However, the per unit Cost of power purchase for each power source as per the estimated actual power purchase cost in

FY 2022-23 H1 has been considered for estimating power purchase cost for FY 2022-23 H2.

4.5.3 PED further submits that the estimated transmission/PGCIL losses for FY 2022-23 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 2022-23 is 3289.65 MU.

4.6 Cost of Power Purchase for FY 2022-23

4.6.1 Power Purchase quantum for FY 2022-23: For the year FY 2022-23, PED has considered the revised estimates of power purchase quantum in line with the estimated actual power purchase quantum in FY 2022-23 H1 & based on the difference between the overall Power purchase estimated for FY 2022-23 i.e. 3289.65 MUs.

4.6.1.1 PGCIL losses: PED submits that the estimated transmission/PGCIL losses for FY 2022-23 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 FY2022-23 in this Petition and has accordingly calculated the transmission charges for FY 2022-23 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 RPO requirements as per the JERC (Procurement of Renewable Energy) third Amendment Regulations dated 22nd August 2016 has been considered for FY2020-21. The Hon'ble Commission has not defined the RPO targets after FY 2021-22. However, the Commission vide its MYT Order dated 31.3.2022 has defined the RPO trajectory for the Control period from FY 2022-23 to FY 2024-25.

- 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 1.4.2022 was 1424.44 MUs (636.18 MUs Solar & 788.26 MUs Non-Solar). The Total RPO Obligation for FY 2022-23 is 18.35% (i.e. 9.00% Solar & 9.35% Non-Solar) amounting to stand alone obligation of 518.64 MUs for FY 2022-23 (254.37 MU Solar & 264.26 MUs 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 2022-23

S.No	Description	Unit	Previous year	Current Year
			FY 2021-22	FY 2022-23
1	Sales Within State	MUs	2782.63	2826.36
2	RPO Obligation	%	17.00%	18.35%
	- Solar	%	8.00%	9.00%
	- Non Solar	%	9.00%	9.35%
3	RPO Obligation	MUs	473.00	518.64
	- Solar	MUs	222.59	254.37
	- Non Solar	MUs	250.41	264.26
4	RPO Purchase	MUs	38.79	417.99
	Physical Power			
	- Solar	MUs	38.79	280.44
	- Non Solar	MUs	-	137.55
	Renewable Energy Certificate			
	- Solar	MUs	-	-
	- Non Solar	MUs	-	-
5	Cumulative RPO Obligation			
	- Solar	MUs	636.18	610.11
	- Non Solar	MUs	788.26	914.97

- 4.6.2.6 As outlined in the above table, PED envisages to comply with the cumulative backlog RPO obligation for FY 2022-23 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 2022-23

S. No.	Particulars	Actuals (FY 2022-23) - H1			Revised Estimates (FY 2022-23) - H2			Revised Estimates (FY 2022-23)		
		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	620.34	257.03	4.14	393.17	170.62	4.34	1013.51	427.65	4.22
2	NTPL	58.69	43.20	7.36	44.60	32.83	7.36	103.29	76.03	7.36
3	NLC	322.03	106.56	3.31	216.40	71.61	3.31	538.43	178.17	3.31
4	PPCL	107.40	83.01	7.73	88.84	68.67	7.73	196.24	151.68	7.73
5	KAIGA	149.07	52.74	3.54	103.32	36.55	3.54	252.39	89.29	3.54
6	NTPC - MAPS	12.78	3.29	2.57	10.57	2.72	2.57	23.35	6.01	2.57
7	NTECL	47.23	32.46	6.87	19.07	13.11	6.87	66.30	45.57	6.87
8	KKNP	184.17	80.57	4.37	108.81	47.60	4.37	292.98	128.17	4.37
9	NNTPS	210.78	82.72	3.92	174.37	68.43	3.92	385.15	151.15	3.92
10	KSEB	0.00	0.01	-	0.00	0.01	-	0.00	0.03	-
11	NTPC Solar	62.29	16.50	2.65	218.16	58.69	2.69	280.45	75.19	2.68
12	SECI Wind	25.55	6.36	2.48	112.01	31.07	2.77	137.56	37.43	2.72
13	UI Charges		0.76						0.76	
14	IEX Purchase / Sale				(34.56)	(15.22)		(34.56)	(15.22)	
15	Open market									
16	OA Power purchase/ (Sale)									
17	PGCL (POC Charges)		95.32			146.40			241.72	
18	SRLDC Charges		0.32			0.32			0.64	
19	Total Power Purchase Cost	1800.31	860.85	4.78	1489.32	733.41	4.92	3289.65	1594.27	4.85
20	URS Income		0.00			0.00			0.00	
21	UI/DSM Charges		12.33			12.33			24.65	
22	RARS Charges		1.57			1.57			3.15	
23	Sale of Trading Material		0.39			0.39			0.78	
24	Sub-total (Additional Income)		14.29			14.29			28.59	
25	Net Power Purchase Cost	1800.31	846.56	470.23	1489.32	719.12	4.83	3289.65	1565.68	4.76

4.6.3 The Petitioner hereby requests the Commission to approve the revised estimate of power purchase cost of Rs. 1565.68 Cr for FY 2022-23 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:

- 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 FY2022-23 were approved by the Hon'ble Commission in the Tariff Order dated 31st March, 2022 as Rs. 129.06 Cr.

4.7.2.2 PED has projected normative Employee Expenses for FY 2022-23 as Rs. 115.41 Cr based on the relevant Regulations and methodology adopted by the Hon'ble Commission in the Tariff Order dated 31st March, 2022.

4.7.2.3 PED has considered the base year figures for the FY 2022-23 as per the actual incurred employee expense of Rs. 140.58 Cr during FY 2021-22 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 2021-22.

4.7.2.4 PED further submits that the from the Month of Sept 2021 the CPI Index base value has been updated to 2016=100 from 2001=100, so only 5 months CPI index for FY 2020-21 has been considered for computation of Average increase in CPI index over 3 years. The Computation of revised employee expenses are as shown in the below table:

Table 4-6: Computation of Employee Expenses for FY 2022-23

Particulars	FY 2018-19	FY 2019-20	FY 2020-21
CPI based on Industrial Workers, All India	299.92	322.50	338.69
YoY	5.45%	7.53%	5.02%
3 years average			6.00%

Particulars	FY 2022-23
Growth factor of (Gn) (%)	-4.11%
CPI (%) (3 previous years' avg.)	6.00%
Employee Expenses for FY 2021-22 (Rs. Cr)	140.58
Employee Expenses for FY 2022-23 (Rs. Cr)	142.89

4.7.2.5 PED requests the Hon'ble commission to kindly allow the above Employee Costs of Rs. 142.89 Cr for FY 2022-23, subject to true-up.

4.7.3 Repairs & Maintenance Expenses:

4.7.3.1 The Repair & Maintenance expenses of Rs. 9.23Cr for FY 2022-23 were approved by the Hon'ble Commission in the Tariff Order dated 31st March, 2022.

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 2021-22 has been considered as 2.42%, which is average WPI for FY 2018-19, FY 2019-20 and FY 2020-21. Detailed computation of the R&M for FY 2022-23 is shown below.

Table 4-7: Computation R&M Expenses for FY 2022-23

K factor working	FY 2018-19	FY 2019-20	FY 2020-21
R&M expenses (Actual) (Rs. Cr)	4.47	5.98	11.29
Opening GFA (Rs. Cr)	660.92	799.51	864.29
K factor (%)	0.68%	0.75%	1.31%
Avg of K factor (%)	0.91%		

Particulars	FY 2022-23
WPI Inflation (%)	2.42%
K factor (%)	0.91%
GFA _{n-1} (Rs. Cr)	1029.53
R&M Expenses (Rs. Cr)	9.60

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. 9.60 Cr for FY 2022-23, subject to true-up.

4.7.4 Administration & General expenses for FY 2022-23:

4.7.4.1 The Administration & General expenses of Rs. 18.55 Cr for FY 2022-23 were approved by the Hon'ble Commission in the Tariff Order dated 31st March, 2022.

4.7.4.2 PED has considered the base year figures for the FY 2021-22 as per the actual incurred A&G expenses of Rs. 14.23 Cr 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 2022-23.

4.7.4.3 The Computation of A&G expenses for FY 2022-23 is as shown in the below table:

Table 4-8: A&G Expenses for FY 2022-23 (Rs. Cr)

Particulars	FY 2022-23
A&Gn-1 (Rs. Cr)	14.23
CPI Inflation (%)	6.00%
A&G Expenses (Rs. Cr)	15.08

4.7.5 **O&M Expenses Summary FY 2022-23:** Based on the foregoing paragraphs, the revised O&M expenses for the year FY 2022-23 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 2022-23 (Rs. Cr)

Summary of O&M Expenses for FY 2022-23		
Particulars	Approved by commission	Revised Estimates
A&G Costs	18.55	15.08
R&M Expenses	9.23	9.60
Employee Cost	129.06	142.89
Total O&M Expenses	156.84	167.57

4.7.6 PED request the Hon'ble Commission to approve the O&M Expenses of Rs. 167.57 Cr as 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 2022-23 works out to be Rs. 1029.53 Cr. The Hon'ble Commission, in the last tariff order had allowed Capitalization of Rs. 12.04 Cr.

4.8.2 PED has estimated the additional capitalisation of Rs.12.04 Cr for FY 2022-23 as approved by the Hon'ble Commission. Thus, the Petitioner requests the Hon'ble commission to approve the additions to GFA for FY 2022-23 of Rs.12.04 Cr as provided in the table below:

Table 4-10: GFA Revised Estimates for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved by commission	Revised Estimates
1	Opening value of the assets at the beginning of the year	989.63	1029.53
2	GFA Additions during the year	12.04	12.04
3	Grant Provided by GOI	7.22	7.22
4	Value of assets sold/disposed off	-	-
5	Gross Fixed Assets at the end of the year (Net of Grants)	994.45	1034.35

Sr. No.	Name of the Assets	Rate of Depreciation	Revised Estimates		
			FY 2022-23		
			Assets value at the beginning of the year	Addition during the Year	Depreciation charges
1	Land and Land rights	0.00%	10.37	0.00	0.00
2	Building	1.80%	24.53	0.00	0.44
3	Plant & Machinery	3.60%	595.55	3.83	21.51
4	Lines and Cables Network	3.60%	344.28	0.64	12.41
5	Vehicles	18.00%	2.67	0.00	0.48
6	Furniture and Fixtures	6.00%	0.22	0.00	0.01
7	Office Equipment's	6.00%	1.23	0.00	0.07
8	IT Equipment's	6.00%	2.83	0.00	0.42
9	Testing & Measuring Equipment's	6.00%	4.68	0.00	0.28
10	SCADA Centre	6.00%	43.17	0.35	2.60
	Total		1029.53	4.82	38.23

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:** As per JERC MYT Regulations 2021, the depreciation rates as specified have been adopted for calculation of depreciation on different asset categories.

- 4.8.5 As per the GFA and the applicable depreciation rates, PED has calculated the depreciation for the year FY 2022-23 as Rs. 38.23 Cr. The table shows the working of depreciation.

Table 4-11: Depreciation for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved by Commission	Revised Estimates
1	Opening value of the assets at the beginning of the year	989.63	1029.53
2	Additions during the year (Net of Grants)	4.82	4.82
3	Value of assets sold /disposed off		
4	Gross Fixed Assets at the end of the year (Net of Grants)	994.45	1034.35
5	Net Depreciation for the year	36.43	38.23
6	Average Depreciation Rate	3.67%	3.70%

- 4.8.6 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 2022-23.

- 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 R-APDRP schemes. 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 the revised estimates for FY 2022-23 is Rs.17.39 Cr. The summary of Interest and Finance Charges as claimed by the petitioner and as approved by the Commission for FY 2022-23 along with revised estimates is tabulated below:

Table 4-12: Interest & Finance Charges for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved	Revised Estimates
1	Opening Normative Loan	167.65	194.81
2	Add: Normative Loan during the Year	3.37	3.37
3	Less: Normative Repayment	36.43	38.23
4	Closing Normative Loan	134.59	159.95
5	Average Normative Loan	151.12	177.38

S. No.	Particulars	Approved	Revised Estimates
6	Rate of Interest (@SBI 1 Year MCLR rate+100 Basis Points)	8.00%	8.00%
7	Interest on Normative Loan	12.09	14.19
8	Other Finance Charges	0.00	3.14
9	Total Interest and Finance Charges	12.09	17.33

4.9.3 It is submitted that PED has estimated an addition of Rs. 4.82 Cr net of grants in the Gross Fixed Assets for FY 2022-23, which are funded through normative debt to the tune of 70%. The rate of interest considered is one (1) Year State Bank of India (SBI) MCLR applicable as on 1st April of the FY 2022-23 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. 17.33 Cr as shown in the table for FY 2022-23. 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 2022-23 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.

4.10.3 The Interest on Working Capital approved by the Hon'ble Commission for the FY 2022-23 was Rs.4.78 Cr. On the basis of the revised estimates for FY 2022-23, the interest on working capital works out to be Rs. 5.63 Cr.

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 2022-23 (Rs. Cr)

S. No.	Particulars	Approved	Revised Estimates
1	Two Months Receivable	267.74	287.27
2	O&M Expense - 1 month	13.07	13.96

S. No.	Particulars	Approved	Revised Estimates
3	Maintenance Spare @ 40% of R&M Exp - one month	0.31	0.32
4	Less : Amount held as Security Deposit	227.99	238.94
5	Total	53.14	62.61
6	Interest Rate (%)	9.00%	9.00%
7	Interest on working capital	4.78	5.63

4.10.5 PED requests the Hon'ble Commission to approve the Interest on Working Capital of Rs.5.63 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 2022-23.

Table 4-14: Interest on Security Deposit for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved	Revised Estimates
1	Opening Security Deposit	225.96	232.54
2	Add: Deposits during the year	4.06	12.81
3	Closing Security Deposit	230.02	245.35
4	Bank Rate	4.25%	4.25%
5	Interest on Security Deposit	9.69	10.16

4.11.2 The Hon'ble Commission is requested to approve the Interest on Security Deposit of Rs. 10.16 Cr as shown in the table above which is expected to be paid during the 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 2022-23 for pass through in tariff to consumers and may consider during true-up of the FY 2022-23 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 2021-22 as per the last chapter is considered. Further, an equity addition in FY 2022-23 equal to 30% of estimated assets to be capitalized in FY 2022-23 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 2022-23.

Table 4-15: Return on Equity for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved	Revised Estimates
1	Opening Equity Amount	296.89	308.86
2	Equity Addition during year (30% of Capitalization)	1.44	1.45
3	Closing Equity Amount	298.33	310.30
4	Average Equity Amount	297.61	309.58
5	Average Equity-Wires Business	267.85	278.62
6	Average Equity (Retail Supply Business)	29.76	30.96
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	41.52	43.19
10	Return on Equity for Retail Supply Business	4.76	4.95
11	Total Return on Equity	46.28	48.14

4.13.4 In view of above, the Hon'ble Commission is requested to kindly allow the above Return on Equity of Rs. 48.14 Cr.

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 2022-23 was Rs. 4.00 Cr.

4.14.2 The Non-Tariff Income for FY 2022-23 is estimated of Rs.23.93 Cr based on FY 2022-23 H1 data. PED requests the Hon'ble Commission to approve the afore-mentioned Non-tariff Income for FY 2022-23.

4.15 Revenue from Sale of Power at Existing Tariff

4.15.1 The Revenue from Tariff for FY 2022-23 approved by the Hon'ble Commission was Rs.1623.92 Cr. The Revenue from Tariff for FY 2022-23 as per the approved tariff for

FY 2022-23 with revised projections works out to be Rs.1707.33 Cr. The summary of Revenue from Tariff as claimed by PED in the ARR for FY 2022-23 as per revised estimates for FY 2022-23, is tabulated below:

Table 4-16: Revenue from Tariff for 2022-23

S. No.	Particulars	Sales (MUs)	Revenue (Rs. Cr)
LT Category			
1	Domestic	818.90	280.72
2	OHOB	3.62	0.36
3	Commercial	185.96	166.88
4	Agriculture	61.75	5.04
5	Public Lighting	19.00	19.24
6	LT Industrial & Water Tank	174.07	122.90
7	Temporary Supply - LT&HT	5.06	5.06
	Total LT	1268.36	600.21
HT Category			
9	HT 1 Industrial / Commercial	923.00	639.01
10	HT 2 – Government	51.00	50.33
11	HT 3 – EHT	584.00	321.06
12	Total HT	1558.00	1010.40
13	Total LT and HT	2826.36	1610.61
14	FPPCA charges		18.73
15	BPSC Collected		78.00
16	Regulatory Surcharge		80.53
17	Total Revenue Excluding Regulatory Surcharge (13+14+15)		1707.33

4.15.2 In view of above, the Hon'ble Commission is requested to kindly allow Revenue of Rs. 1707.33 Cr (excluding Regulatory Surcharge of 5%) for FY 2022-23.

4.16 Aggregate Revenue Requirement for FY 2022-23

4.16.1 The Aggregate Revenue Requirement for FY 2022-23 approved by the Hon'ble Commission in the Tariff order for FY 2022-23 was Rs.1606.46 Cr. The calculation for Aggregate Revenue Requirement on the basis of revised estimates for FY 2022-23 is shown below:

Table 4-17: Calculation of ARR for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved by Commission	Revised Estimates
1	Cost of power purchase	1,344.36	1,565.68
2	Employee Costs	129.06	142.89

S. No.	Particulars	Approved by Commission	Revised Estimates
3	Administration and General Expenses	18.55	15.08
4	R&M expenses	9.23	9.60
5	Depreciation	36.43	38.23
6	Interest & Finance Charges	12.09	17.33
7	Interest on Working Capital	4.78	5.63
8	Interest on CSD	9.69	10.16
9	Return on Equity	46.28	48.14
10	Provision for Bad Debt	0.00	0.00
11	Total Revenue Requirement	1610.47	1852.74
12	Less: Non- Tariff Income	4.00	23.93
13	Net Aggregate Revenue Requirement	1606.47	1828.81

Table 4-18: Segregation of Wheeling and Supply Business FY 2022-23

Sr. No.	Item of expense	Wheeling Business	Retail Supply Business	FY 2022-23		
		%	%	Wheeling Business (Rs. Cr)	Retail Supply Business (Rs. Cr)	Total (Rs. Cr)
1	Cost of power purchase	0%	100%	-	1,565.68	1,565.68
2	Employee costs	40%	60%	57.16	85.73	142.89
3	R&M expenses	90%	10%	8.64	0.96	9.60
4	Administration and General expenses	50%	50%	7.54	7.54	15.08
5	Depreciation	90%	10%	34.41	3.82	38.23
6	Interest & Financial charges	90%	10%	15.60	1.73	17.33
7	Interest on Working Capital	10%	90%	0.56	5.07	5.63
8	Return on NFA /Equity	90%	10%	43.33	4.81	48.14
9	Provision for Bad Debt	0%	100%	0.00	0.00	0.00
10	Interest on Consumer Security Deposit	10%	90%	1.02	9.14	10.16
11	Total Revenue Requirement			168.25	1684.49	1852.74
12	Less: Non-Tariff Income	10%	90%	2.39	21.54	23.93
13	Net Revenue Requirement			165.85	1662.95	1828.81

4.16.2 PED hereby requests the Hon'ble Commission to approve the revised ARR of Rs.1828.81 Cr for FY 2022-23 as submitted above.

4.17 Revenue Gap for FY 2022-23

4.17.1 The Revenue Gap/(Surplus) approved by the Hon'ble Commission for FY 2022-23 and as claimed by PED on the basis of revised estimates for FY 2022-23 is shown in the table below:

Table 4-19: Revenue Gap/(Surplus) for FY 2022-23 (Rs. Cr)

S. No.	Particulars	Approved	Revised Estimates
1	Aggregate Revenue Requirement	1606.46	1828.81
2	Revenue from Sale of Power (Excluding Regulatory Surcharge)	1647.50	1707.33
3	Revenue Gap/ (Surplus)	(41.04)	121.23

4.17.2 In view of above, the Hon'ble Commission is requested to kindly allow the revenue surplus of FY 2022-23 as Rs. 121.23 Cr.

CHAPTER 5. ANNUAL REVENUE REQUIREMENT FOR FY 2023-24

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 shall determine 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 2023-24 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 2023-24.

5.2 Principles for determination of ARR

- 5.2.1 This Chapter summarises the Aggregate Revenue Requirement (ARR) for FY 2023-24. 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.

5.2.3 The Annual Revenue Requirement for FY 2023-24 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 2023-24 (in Mus)

S. No.	Particulars	Sales Projections (MU)	
		Approved in MYT Order dated 31 st March 2022	Revised Estimates
1	Domestic	847.56	830.94
2	OHOB	3.50	3.62
3	Commercial	215.25	190.25
4	Agriculture	62.06	62.06
5	Public Lighting	19.00	19.00
6	LT Industrial	171.03	180.03
7	Temporary supply - LT&HT	1,031.29	5.16
8	HT I	79.50	927.41
9	HT II	446.11	72.00
10	HT III	5.16	590.00
	Total	2,880.47	2880.47

Table 5-2: Number of Consumers projected for FY 2023-24

S. No.	Particulars	No. of Consumers Projections	
		Approved in MYT Order dated 31 st March 2022	Revised Estimates
1	Domestic	391,883	387440
2	OHOB	8,248	8248
3	Commercial	59,219	54490
4	Agriculture	7,109	7109
5	Public Lighting	51,844	54609
6	LT Industrial	4,452	4493
7	Temporary supply - LT&HT	0	0
8	HT I	470	482
9	HT II	69	69
10	HT III	8	10
	Total	523,302	521950

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 2023-24

Particular	Approved	Revised Estimates
T&D loss	10.75%	10.75%

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 2023-24, the Energy requirement projected is shown in the following table:

Table 5-4: Energy Requirement & Energy Balance proposed for FY 2023-24

Sr. No.	Particulars	(Revised Estimates)
		FY 2023-24
A)	ENERGY REQUIREMENT	
1	Energy sales to metered category within the State	2,880.47
2	Energy exported to TANGEDCO	-
3	Total sales within the State	2,880.47
4	T&D Losses (%)	10.75%
5	T&D Losses (MU)	346.95
6	Energy required at Discom Periphery	3,227.41
B)	ENERGY AVAILABILITY	
1	Net Power Purchase (ex Bus)	2,439.64
2	Own Generation (PPCL)	199.27
3	Power Purchase from Renewable sources	869.19
4	Power purchase from Common Pool / UI-over drawl / Traders / Exchange / Others	-
5	UI Under drawl	-
6	Open Access Power Purchase at periphery	-
7	Net Power Purchased (1+2+3+4-5+6)	3,508.10
8	Transmission Losses	60.99
9	Transmission Losses (%)	2.50%
10	Total Energy Availability (7-8)	3,447.11
11	Deficit/(Surplus)	(219.70)

5.5.3 PED request the Hon'ble Commission to approve the Energy Balance for FY 2023-24 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. PED also has an additional allocation of power from New Neyveli Thermal Power Station to meet the demand of the Union Territory from the year 2019-20.
- 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 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 2023-24 has been projected based on the Energy requirement and energy balance submitted above.

- 5.6.8 PED further submits that the provisional actual transmission/PGCIL losses for FY 2021-22 are 3.25%. However, for the purpose of the FY 2023-24, PED has revised the transmission loss percentage to 2.50%. PED requests the Hon'ble Commission to approve the same.

5.7 Cost of Power Purchase for FY 2023-24

- 5.7.1 PED has projected the net power purchase quantum of 3508.10 for FY 2023-24.
- 5.7.2 Following assumptions have been considered for projecting the quantum and cost of power purchase:

5.7.2.1 Fixed Charges:

The Fixed costs of FY 2023-24 has been calculated based on the H1 figures of FY 2022-23 and the average of first 6 month has been considered for calculation of revised projections for respective Central Generating Stations and PPCL. Further the projections has been done with no escalation from FY 2022-23 H1 Cost for purpose of estimation of the fixed charges for the FY 2023-24.

5.7.2.2 Variable Charges:

The petitioner has considered the actual per unit variable costs of FY 2022-23 H1 and has calculated the revised projections for FY 2023-24 w.r.t to power purchase projections for respective Central Generating Stations and PPCL after escalating the same for 5%.

5.7.2.3 Sale of Surplus Power:

PED has considered surplus power diverted to IEX of quantum 200 Mus for FY 2023-24 at the rate of Rs. 4.40/unit which has been deducted from the net power purchase cost.

5.7.2.4 PGCIL losses:

PED submits that the actual transmission/PGCIL losses for FY 2021-22 are 3.25% and the same have been submitted in the chapter of True up of FY 2021-22. However for the purpose of APR for FY 2022-23, PED has revised the transmission loss percentage to 2.50%. PED has further considered the same percentage of losses i.e 2.50% for FY 2023-24. PED requests the Hon'ble Commission to approve the same. Loss for Renewable energy sources and PPCL have been considered as nil.

5.7.2.5 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 has been considered nil.

5.7.3 The total power purchase quantum and cost for FY 2023-24 is as shown under:

Table 5-5: Power Procurement Cost for FY 2023-24

Sr. No.	Source	Power Purchase (MUs)	Total Cost (Rs. Cr)	Rate / Unit
		Projections		
		FY 2023-24		
A	Central Sector Power Stations			
I	NTPC	898.79	395.91	440.49
	RSTPS Stage I & II	388.49	203.55	523.95
	RSTPS Stage -III	78.26	38.25	488.76
	Talcher Stage- II	377.40	109.13	289.16
	Simhadri Stage- II	54.64	44.98	823.21
II	NLC	920.20	336.44	365.62
	NLC TPS II Stage I	587.51	202.21	344.18
	NLC TPS II Stage II			
	NLC TPS I (Expn)			
	NLC TPS II (Expn)			
	NNTPS	332.69	134.23	403.47
III	NPCIL	444.26	180.77	406.90
	MAPS	24.90	6.71	269.48
	KAPS	200.48	74.42	371.21
	Kudankulam	218.88	99.64	455.23
B	Others	176.39	129.92	736.55
	Vallur Thermal Project	72.03	50.91	706.79
	NTPL (Tutikorin)	104.36	79.01	757.09
C	UI			
D	Open Market	-200.00	-88.00	-
	IEX Purchase	0.00	0.00	-
	IEX Sale	200.00	88.00	-
	Traders	0.00	0.00	-
E	Open Access			
F	Renewable Sources	869.19	241.39	277.72
	Solar	396.73	107.75	271.60
	Non-Solar	472.46	133.64	282.86
	Solar REC	-	-	-
	Non-Solar REC	-	-	-
G	Within State Generations	199.27	160.34	804.64
	PPCL	199.27	160.34	804.64
		-	-	-
H	OTHER CHARGES		209.72	
	PGCIL Transmission Charges, Wheeling & Other Charges		209.72	
	SRLDC Charges		0.72	
I	Total Power Purchase Cost	3508.10	1567.21	446.74

- 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 2023-24 as summarized above.
- 5.7.5 PED submits that the average Power Purchase cost for energy purchased from renewable energy sources comes out to Rs. 2.78 per unit from Solar sources and Rs. 2.83 per unit from Non-Solar sources which is much lower as compared to the total Average Power Purchase Cost. Therefore, the PED prays before the Hon'ble Commission to determine separate APPC cost for Power Purchase from renewable sources and separately from conventional sources. This will enable PED to pay reasonable cost for surplus Renewable Energy from grid connected solar rooftop / net metering consumers. This may please be consider favorably as new RE Regulation has removed the cap on RE generation.

5.8 Renewable Purchase Obligation and Cost for FY 2023-24:

- 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 notified the JERC (Procurement of Renewable Energy), (Third Amendment) Regulations, 2016 on 22nd August 2016 and revised the RPO targets upto FY 2021-22. However, the Hon'ble Commission has not defined the RPO targets after FY 2021-22.
- 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 2023-24 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,

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

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

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

‘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;

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;

GF_{An-1} – Gross Fixed Asset of the Distribution Licensee for the n-1 th 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 2023-24 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 2021-22 and the estimated performance of the Petitioner in FY 2022-23 H1, 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 Gn has considered as approved by the Commission for FY 2023-24. Accordingly, the revised projection of Employee Expenses has been calculated for FY 2023-24 as per formula $EMP_n = (EMP_{n-1}) \times (1+G_n) \times (1+CPI \text{ inflation})$. Calculation is as under:

Table 5-6: Employee expense for FY 2023-24 (Rs. Cr)

Particulars	Approved as per MYT Order dated 31 st March 2022	FY 2023-24
EMP _n	123.84	137.10

- 5.9.4 PED requests the Hon'ble Commission to approve the Employee expenses as projected for FY 2023-24 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 2023-24 considering the actual expenses for FY 2021-22 has been projected as shown under.

Table 5-7: A&G Expense projection for for FY 2023-24 (Rs. Cr)

Particulars	Approved as per MYT Order dated 31 st March 2022	FY 2023-24
A&G _n Expenses	19.66	15.99

- 5.9.6 PED requests the Hon'ble Commission to approve the A&G expenses as projected for FY 2023-24 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., $R\&M_n = K \times GF_{An-1} \times (1+WPI \text{ inflation})$. Accordingly, the R&M expenses

for the FY 2023-24 considering the K factor as approved by the Commission and the actual expenses for FY 2021-22 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. Since this project is initiated under TOTEX mode and cost incurred towards FMS is claimed under R&M Cost. Cost incurred for this Smart meter project are then added separately to the calculated R&M expenses as they are not regular expenses.

5.9.11 R&M Expenses have been calculated based on the formula and methodology provided in the Regulations, $R\&M_n = K \times GFAn-1 \times (1+WPI \text{ inflation})$.

Table 5-8: R&M Expenses for FY 2023-24

Particulars	Approved as per MYT Order dated 31 st March 2022	FY 2023-24
K-Factor	0.91%	0.91%
GFAn-1	1001.67	1034.35
WPI Inflation	2.42%	2.42%
R&M Expenses	9.34	9.65
FMS Cost towards Prepaid smart meters	-	38.88
Total R&M Cost	9.34	48.53

5.9.12 PED requests the Hon'ble Commission to approve the R&M expense as projected for FY 2023-24 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.:

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 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 2023-24 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 2023-24 (Rs. Cr)

No.	Particulars	FY 2023-24
A	Capital Expenditure	99.11
B	Capitalization	87..82

- 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 Marc 2022 as shown under:

Table 5-10: Closing GFA for FY 2023-24 (Rs. Cr)

No.	Particulars	FY 2023-24
1	Opening GFA	1034.35
2	Addition	87.82
3	Less: Grant	52.69
4	Less: Consumer Contribution	-
5	Net Additions to GFA	35.13
6	Closing GFA	1069.48

Table 5-11: Capital Structure for FY 2023-24 (Rs. Cr)

S.No.	Particulars	FY 2023-24
1	Total Capitalisation	87.82
2	Less: Capitalisation through Grants	52.69
3	Net Capitalisation excluding grant	35.13
4	Debt (%)	70%
5	Equity (%)	30%
6	Normative Loan	24.59
7	Normative Equity	10.54

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:

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 2023-24. 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 Total depreciation is calculated asset block wise on the total GFA. However, since depreciation on assets created through grants, electricity duty fund or subsidies are not allowed as per regulations. Hence Depreciation for the GFA excluding grant and electricity duty fund arrived in the proportion of total GFA and GFA excluding grant and electricity duty fund.

5.12.4 Based on the methodology given in MYT Regulations, depreciation for FY 2023-24 is calculated:

Table 5-12: GFA and Depreciation for FY 2023-24 (Rs. Cr)

No.	Particulars	FY 2023-24
1	Opening GFA (Net of Grants)	1034.35
2	Addition During the FY	87.82
3	Less: Capitalization through grants	52.69
4	Closing GFA (net of Grants)	1069.48
5	Average GFA (net of Grants)	1051.91
6	Weighted Average Rate of Depreciation (%)	3.71%
7	Net Depreciation for the year	38.98

5.12.5 In view of the above, the Hon`ble commission is requested to allow the depreciation charges as provided above for FY 2023-24.

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:

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.

"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 2023-24 based on JERC MYT regulations, 2021 is tabulated below.

Table 5-13: Interest on Loan for FY 2023-24 (Rs. Cr)

Sr. No.	Particulars	Projection	
		Approved in MYT Order dated 31 st March 2022	FY 2023-24
1	Opening Normative Loan	134.59	159.95
2	Add: Normative Loan during the Year	24.59	24.59
3	Less: Normative Repayment	37.16	38.98
4	Closing Normative Loan	122.01	145.56
4	Average Normative Loan	128.30	152.76
5	Rate of Interest (@SBI 1 Year MCLR rate+100 Basis Points)	8.00%	8.00%
6	Interest on Normative Loan	10.26	12.22
7	Other Finance Charges		
8	Total Interest & Finance Charges	10.26	12.22

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 2023-24.

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 2023-24.

Table 5-14: Interest on working capital for FY 2023-24 (Rs. Cr)

S. No.	Particulars	Approved in MYT Order dated 31 st March 2022	FY 2023-24
1	O&M Expenses for 1 month	15.98	16.80
2	Maintenance Spares (@ 40% of R&M Expenses for one (1) month)	1.61	1.62
3	Receivables equivalent to two (2) months	282.80	294.58
4	Less: Amount, if any, held as security deposits	232.15	253.06
5	Total Working Capital (A (v)+B+C-D)	68.24	59.94
6	Rate of Interest	9.00%	9.00%
7	Interest on Working Capital	6.14	5.39

5.14.3 The Hon’ble Commission is requested to approve the Interest on working capital proposed for FY 2023-24 as per the above table.

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 2023-24 (Rs. Cr)

No.	Particulars	Projections	
		Approved in MYT Order dated 31 st March 2022	FY 2023-24
1	Opening Security Deposit	230.02	245.35
2	Add: Deposits during the Year	4.27	28.61
3	Less: Deposits refunded	0.00	13.19
4	Less: Deposits in form of BG/FDR	0.00	0.00
5	Closing Security Deposit	234.29	260.76
6	Average Security Deposit	232.15	253.06
7	Bank Rate	4.25%	4.25%
8	Interest on Security Deposit	9.87	10.75

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 2023-24.

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 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 2023-24.

Table 5-16: Return on Equity for FY 2023-24 (Rs. Cr)

S. No	Particulars	Projection	
		Approved in MYT Order dated 31 st March 2022	FY 2023-24
1	Opening Balance of Equity	298.33	310.30
2	Equity Addition during year (30% of Capitalization)	10.54	10.54

S. No	Particulars	Projection	
		Approved in MYT Order dated 31 st March 2022	FY 2023-24
3	Closing Balance of Equity	308.87	320.84
4	Average Equity Amount	303.60	315.57
5	Average Equity-Wires Business	273.24	284.02
6	Average Equity -Retail Supply Business	30.36	31.56
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	42.35	44.02
10	Return on Equity for Retail Supply Business	4.86	5.05
11	Total Return on Equity	47.21	49.07

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 2023-24.

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 2023-24.

5.18.2 The NTI proposed for FY 2023-24 has been shown in the following table:

Table 5-17: Non-Tariff Income for FY 2023-24(Rs. Cr)

Particulars	Revised Projection
Total Non-tariff income	25.13

5.18.3 PED requests the Hon'ble commission to approve the non-tariff income as projected for FY 2023-24.

5.19 ARR for FY 2023-24

5.19.1 Based on the parameters discussed above, the projection of Annual Revenue Requirement (ARR) of PED for FY 2023-24 is as follows:

Table 5-18: Annual Revenue Requirement for FY 2023-24(Rs. Cr)

S.No.	Particulars	FY 2023-24
1	Cost of Power Purchase (Including Transmission charges)	1567.21
2	R&M Expenses	48.53
3	Employee Cost	137.10
4	A&G Expenses	15.99
5	Depreciation	38.98
6	Interest and Finance Charges	12.22
7	Interest on Working Capital	5.39
8	Interest on consumer security Deposit	10.75
9	Provision for Bad Debt	0.00
10	Return on Equity	49.07
11	Total Revenue Requirement	1885.25
12	Less: Non-Tariff and other Income	25.13
13	Annual Revenue Requirement	1860.11

5.19.2 PED requests the Hon`ble Commission to approve the said ARR for FY 2023-24.

5.20 Revenue from Sale of Power at Existing Tariff for FY 2023-24

5.20.1 The Revenue from sale of power at existing Tariff based on the projected sales, consumer and connected load for FY 2023-24 is tabulated below:

Table 5-19: Revenue from Sale of Power at existing tariff for FY 2023-24

Category	FY 2023-24				
	Sales (Mus)	Fixed Charge (Rs. Cr)	Energy Charge (Rs. Cr)	5% Surcharge (Rs. Cr)	Total Revenue (Rs. Cr.)
LT Category					
Domestic & Cottage	830.94	38.90	281.69	16.03	336.62
OHOB/LifeLine Services	3.62	0.00	0.45	0.02	0.47
Commercial	190.25	31.55	144.48	8.80	184.83
Agriculture	62.06	5.44	0.00	0.27	5.71
Public lighting	19.00	6.49	12.92	0.97	20.38
LT Industrial	136.05	17.84	82.31	5.01	105.16
Water tank	43.98	0.01	30.35	1.52	31.88
Temporary supply - LT&HT	5.16	0	5.16	0.26	5.42
Total LT	1291.06	100.24	557.35	32.88	690.47
HT Category					
HT-1 Industries and commercial	927	150.85	492.65	32.17	675.67
HT 2 - Government & non-Industrial & non-Commercial	72.00	18.50	45.72	3.21	67.43

Category	FY 2023-24				
	Sales (Mus)	Fixed Charge (Rs. Cr)	Energy Charge (Rs. Cr)	5% Surcharge (Rs. Cr)	Total Revenue (Rs. Cr.)
HT 3 - EHT Industries	590.00	20.30	303.85	16.21	340.36
Total HT	1589.41	189.65	842.22	51.59	1083.46
Grand Total	2,880.47	289.88	1,399.57	84.47	1,773.93
BPSC Charges					78.00
Total Revenue					1851.96

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 2023-24.

5.21 Revenue Gap at Existing Tariff for FY 2023-24

5.21.1 In accordance with the Regulation 9.4 of the JERC MYT Tariff Regulations 2021, the revenue surplus @ existing tariff including 5% regulatory surcharge has been calculated for FY 2023-24 is shown in the table below:

Table 5-20: Revenue Gap at existing tariff for FY 2023-24 (Rs. Cr)

Particulars	FY 2023-24
Aggregate Revenue Requirement (ARR)	1860.11
Less: Revenue at Existing Tariff	1851.96
Less: Regulatory Surcharge	84.47
Revenue Excluding Regulatory Surcharge	1767.48
Revenue Gap/ (Surplus) for FY 2022-23 excluding Regulatory Surcharge	92.63

5.21.2 In view of above, the Hon'ble Commission is requested to kindly allow the Revenue gap of Rs. 92.63 Cr during FY 2023-24 at existing tariff, excluding regulatory surcharge for FY2023-24.

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 2022-23 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 2023-24.
- 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 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 2023-24

6.3.1 In the tariff order dated 31st March, 2022, the Hon'ble Commission approved a consolidated revenue gap of Rs. 423.16 Cr till FY 2020-21 based on trued up costs till FY 2020-21.

6.3.2 PED submits that standalone revenue gap/(surplus) for FY 2021-22 based on actual costs and standalone gap/(surplus) based on revised estimates for FY 2022-23 and projected gap without Regulatory surcharge for the FY 2023-24 comes as under:

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

S. No.	Particulars	FY 2021-22	FY 2022-23	FY 2023-24
1	Aggregate Revenue Requirement	1657.08	1828.81	1860.11
2	Revenue from Sale of Power	1635.59	1707.33	1,767.48
3	Revenue Gap/ (Surplus)	21.49	121.23	92.63

6.3.1 PED submits that the Hon'ble Commission vide its tariff order date 31st March, 2022 for computation of carrying cost for FY 2020-21. 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 2019-20 as opening gap for FY 2020-21 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:

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

S.No.	Particulars	FY 2020-21 (Approved)	FY 2021-22	FY 2022-23	FY 2023-24
1	Opening Gap/(Surplus)	375.88	423.16	397.34	471.45

S.No.	Particulars	FY 2020-21 (Approved)	FY 2021-22	FY 2022-23	FY 2023-24
2	Regulatory Asset Recovered from Regulatory Surcharge		78.87	80.53	84.47
2	Addition Gap/(Surplus) (Standalone Gap)	13.79	21.49	121.23	92.63
3	Closing Gap/(Surplus)	389.67	365.78	438.04	479.61
4	Average Gap/(Surplus)	382.78	394.47	417.69	475.53
5	Rate of Interest	8.75%	8.00%	8.00%	8.00%
6	Carrying cost	33.49	31.56	33.42	38.04
7	Final Closing Gap/ (Surplus)	423.16	397.34	471.45	517.66

6.3.2 From above, stand-alone Gap / (Surplus) for FY 2021-22 is Rs. (57.41) Cr (Including revenue from Regulatory Surcharge) and the Cumulative Gap upto FY2021-22 is Rs. 397.34 Cr. Further the Cumulative Gap upto FY 2023-24 has increased upto Rs. 499.66 Cr. In order to bridge the Gap, PED proposes to increase the tariff for some category of consumers against the tariff for FY 2022-23 approved by the Hon'ble Commission in previous MYT Tariff Order dated 31st March 2022 along with additional surcharge of 10%. Following Chapter deals with the meeting of cumulative revenue gap.

CHAPTER 7. TARIFF FOR RETAIL SALE OF ELECTRICITY FOR FY 2023-24

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 2023-24. PED prays the Hon'ble Commission to approve the retail tariff for FY 2023-24 as proposed for different categories of consumers, applicable from 1st April, 2023.

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. 397.34 Cr till FY 2021-22, 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 2023-24 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 10% for FY 2023-24.
- 7.3.3 PED requests the commission to approve the tariff schedule as proposed for FY 2023-24 as tabulated below:

Table 7-1: Summary of Existing and Proposed Tariff Rates for FY 2023-24

S.No.	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. 1.25/kWh	-	Rs. 2.50/kWh
2	Domestic Purposes				
a	0-100 units per month	Rs 30/kW/Month	Rs. 1.90 /kWh	Rs 30/kW/Month	Rs. 2.30 /kWh

S.N o.	Category of Consumers	Existing Tariff		Proposed Tariff	
		Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
b	101-200 units per month		Rs. 2.90 /kWh		Rs. 3.30 /kWh
c	201-300 units per month		Rs. 5.00 /kWh		Rs. 5.45 /kWh
d	Above 300 units per month		Rs. 6.45 /kWh		Rs. 6.85 /kWh
3	Commercial				
I	LT Commercial				
a	0-100 units per month	Rs. 75.00 /kW/Month	Rs. 5.70 /kWh	Rs. 75.00 /kW/Month	Rs. 6.00 /kWh
b	101-250 units per month		Rs. 6.75 /kWh		Rs. 6.85 /kWh
c	Above 250 units per month		Rs. 7.50 /kWh		Rs. 7.60 /kWh
II	HT Commercial (For contract demand up to 5000 kVA)	Rs. 420 /kVA / month	Rs. 5.45 /kVAh	Rs. 420 /kVA / month	Rs. 5.60 /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. 1.90 /kWh	Rs 30/kW/Month	Rs. 2.30 /kWh
b	101-200 units per month		Rs. 2.90 /kWh		Rs. 3.30 /kWh
c	201-300 units per month		Rs. 5.00 /kWh		Rs. 5.45 /kWh
d	Above 300 units per month		Rs. 6.45 /kWh		Rs. 6.85 /kWh
5	Public Lighting				
a	Public Lighting	Rs.110/pole/ month	Rs. 6.80 /kWh	Rs.110/pole/ month	Rs. 6.80 /kWh
6	Industries				
a	LT Industries	Rs.50.00 /kW/Month	Rs. 6.05/kWh	Rs.50.00 /kW/Month	Rs. 6.05/kWh
b	HT Industries (For Supply at 11 kV, 22 kV or 33 kV)	Rs. 420 / kVA / month	Rs. 5.30 /KVAh	Rs. 420 / kVA / month	Rs. 5.45 /KVAh
c	EHT Industries (For Supply at 110 kV or 132 kV)	Rs. 480 / kVA / month	Rs. 5.15 /KVAh	Rs. 480 / kVA / month	Rs. 5.30 /KVAh
7	LT Water Works	Rs. 150/connection/ month	Rs. 6.90/kWh	Rs. 150/connection/ month	Rs. 6.90/kWh

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. 6.35/KVAh	Rs. 480/ kVA /month	Rs. 6.35/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.4.50 /kWh	-	Rs.4.50 /kWh
11	Hoardings/signboards	Rs. 140/kVA/ month or part thereof	Rs. 8.00/kWh	Rs. 140/kVA/ month or part thereof	Rs. 8.00/kWh

**A Regulatory Surcharge of 5.00% 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 2023-24

7.4.1 The Revenue from sale of power at proposed Tariff based on the projected sales, consumer and connected load for FY 2023-24 is tabulated below:

Table 7-2: Revenue from Sale of Power at proposed tariff for FY 2023-24

Category	Revenue at proposed tariff FY 2023-24				
	Sales (Mus)	Fixed Charge (Rs. Cr)	Energy Charge (Rs. Cr)	10% Surcharge (Rs. Cr)	Total Revenue (Rs. Cr.)
LT Category					
Domestic & Cottage	830.92	38.90	315.58	35.45	389.93
OHOB/Life Line Services	3.62	0.00	0.90	0.09	0.99
Commercial	190.25	31.55	142.97	17.45	191.97
Agriculture	62.06	5.44	0.00	0.54	5.99
Public lighting	19.00	6.49	12.92	1.94	21.35
LT Industrial	136.05	17.84	82.31	10.02	110.17
Water tank	43.98	0.17	30.35	3.05	33.56
Temporary supply - LT&HT	5.16	0	5.16	0.52	5.68
Total LT	1291.04	100.39	590.19	69.06	759.64
HT Category					

Category	Revenue at proposed tariff FY 2023-24				
	Sales (Mus)	Fixed Charge (Rs. Cr)	Energy Charge (Rs. Cr)	10% Surcharge (Rs. Cr)	Total Revenue (Rs. Cr.)
HT-1 Industries and commercial	927	152.01	506.56	65.86	724.43
HT 2 - Government & non-Industrial & non-Commercial	72.00	18.55	45.72	6.43	70.69
HT 3 - EHT Industries	590.00	20.30	312.70	33.30	366.30
Total HT	1589.41	190.85	864.98	105.58	1161.42
Grand Total	2,880.47	291.24	1,455.18	174.64	1,921.06
BPSC Charges					78.00
Total Revenue					1999.06

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 2022-23.

7.5 Revenue Gap at proposed Tariff for FY 2023-24

7.5.1 The revenue gap at proposed tariff has been calculated for FY 2023-24 is shown in the table below:

Table 7-3: Revenue Gap at proposed tariff for FY 2023-24 (Rs. Cr)

Particulars	FY 2023-24
Aggregate Revenue Requirement (ARR)	1860.97
Less: Revenue at Existing Tariff	1999.06
Less: Regulatory Surcharge	174.64
Revenue Excluding Regulatory Surcharge	1824.42
Revenue Gap/ (Surplus) for FY 2022-23 excluding Regulatory Surcharge	36.55

7.5.2 In view of above, the Hon'ble Commission is requested to kindly allow the Revenue Gap of Rs.36.55 Cr during FY 2023-24 at proposed tariff, excluding the Regulatory Surcharge.

7.6 Cumulative Revenue Gap/(Surplus) at proposed till FY 2023-24

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 2020-21 as opening gap for FY 2021-22 and rate of interest at SBI 1 year MCLR + 1% as on

1st April of the relevant year considering the Revenue recovered from 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 proposed tariff (Rs. Cr)

S.No.	Particulars	FY 2020-21 (Approved)	FY 2021-22	FY 2022-23	FY 2023-24
1	Opening Gap/(Surplus)	375.88	423.16	397.34	471.45
2	Regulatory Asset Recovered		78.87	80.53	84.47
3	Add: Gap/(Surplus)	13.79	21.49	121.23	92.63
4	Closing Gap/(Surplus)	389.67	365.78	438.04	479.61
5	Average gap/(Surplus)	382.78	394.47	417.69	475.53
6	Interest rate	8.75%	8.00%	8.00%	8.00%
7	Carrying cost	33.49	31.56	33.42	38.04
8	Final closing Gap/(Surplus)	423.16	397.34	471.45	517.66

7.6.2 Now, considering the cumulative Gap upto FY 2020-21, stand-alone Gap and carrying cost at proposed tariff for FY 2023-24, the Cumulative Gap at proposed tariff including Regulatory Surcharge for FY 2023-24 comes out to be as under:

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

S.No.	Particulars	FY 2020-21 (Approved)	FY 2021-22	FY 2022-23	FY 2023-24
1	Opening Gap/(Surplus)	375.88	423.16	397.34	471.45
2	Regulatory Asset Recovered		78.87	80.53	174.64
3	Add: Gap/(Surplus)	13.79	21.49	121.23	36.55
4	Closing Gap/(Surplus)	389.67	365.78	438.04	333.36
5	Average gap/(Surplus)	382.78	394.47	417.69	402.41
6	Interest rate	8.75%	8.00%	8.00%	8.00%
7	Carrying cost	33.49	31.56	33.42	32.19
8	Final closing Gap/(Surplus)	423.16	397.34	471.45	365.56

7.6.1 PED requests the Hon'ble Commission to approve the proposed the Tariff schedule for FY 2023-24 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 10% for FY 2023-24.

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 2023-24

Segregation of ARR for FY 2023-24						
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%	-	1,567.21	1,567.21
2	Employee costs	40%	60%	54.84	82.26	137.10
3	R&M expenses	90%	10%	43.67	4.85	48.53
4	Administration and General expenses	50%	50%	7.99	7.99	15.99
5	Depreciation	90%	10%	35.08	3.90	38.98
6	Interest & Financial charges	90%	10%	11.00	1.22	12.22
7	Interest on Working Capital	10%	90%	0.62	5.62	6.25
8	Return on NFA /Equity	90%	10%	44.16	4.91	49.07
9	Provision for Bad Debt	0%	100%	0.00	0.00	0.00
10	Interest on Consumer Security Deposit	10%	90%	1.08	9.68	10.75
11	Total Revenue Requirement			198.45	1687.65	1886.10
12	Less: Non Tariff Income	10%	90%	2.51	22.62	25.13
13	Net Revenue Requirement (11-12)			195.94	1665.03	1860.97

8.1.2 PED requests the Hon'ble Commission to approve the segregation of ARR into wheeling & retail supply business for FY 2023-24 as per above table.

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 2023-24, the wheeling charges for HT/EHT & LT are determined.

9.2.2 In line with methodology, adopted by Hon'ble Commission in MYT Tariff Order for FY 2022-23 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	521389	50.00%	1291.06	17.85%
High Tension (HT)	551	40.00%	999.41	5.44%
Extra High Tension (EHT) Level	10	10.00%	590.00	1.50%
Total	521950	100%	2880.47	10.75%

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

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	106.39	44.72	151.11	171.07	1291.06	1.33
High Tension (HT)	0.11	35.77	35.89	23.30	999.41	0.23
Extra High Tension (EHT) Level	0.00	8.94	8.95	1.58	590.00	0.03
Total	106.51	89.43	195.94	195.95	2880.47	

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 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 2023-24

Particulars	FY 2023-24
Total Power Purchase cost	1,572.40
Fixed Cost component in Power Purchase Cost (excluding Transmission Charges)	492.79
Energy Sales (MU)	2,880.47
Additional Surcharge (Rs/kWh)	1.71

- 9.3.4 PED requests the Hon’ble Commission to approve additional surcharge of Rs. 1.71/kWh as determined in above table.

9.4 Computation of Cross Subsidy Surcharge for FY 2023-24

- 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:

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

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 2022-23.

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 11% for FY 2022-23 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 2023-24 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	1291.06	17.85%	1571.53
High Tension (HT)	999.41	5.44%	1056.91
Extra High Tension(EHT) Level	590.00	1.50%	598.98
Total	2880.47	10.75%	3227.42

9.4.5 Overall ARR arrived for FY 2023-24 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.

- 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	1571.53	50.00%	521389
High Tension (HT)	1056.91	40.00%	551
Extra High Tension(EHT) Level	598.98	10.00%	10
Total	3227.42	100.00%	521950

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	240	201	46	523	1011	1,291	7.83
High Tension (HT)	161	0	37	352	550	999	5.51
Extra High Tension(EHT) Level	91	0	9	199	300	590	5.09
Total	493	202	92	1074	1861	2,880	6.46

9.4.9 As per above VCoS calculated and applicable level wise ABR level, following is the Cross-subsidy surcharge for FY 2023-24.

Table 9-6: Cross Subsidy Surcharge

Category	VCoS (Rs/kWh)	ABR (Rs/kWh)	Cross-Subsidy (Rs/kWh)
Low Tension (LT) Level	7.83	5.88	NIL
High Tension (HT)	5.51	7.96	2.45
Extra High Tension(EHT) Level	5.09	6.21	1.12

9.4.10 Based on the above computations, PED requests the Hon'ble Commission to approve the cross-subsidy surcharge of Rs. 2.45/kWh for HT and Rs. 1.12/kWh for EHT consumers in FY 2023-24.

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.

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
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 PFCCL 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 the Technical evaluation of bids is in progress. After award of contract to the successful bidder the project will be completed within 10 months. During the implementation, the AMISP would be requested to provide meters to all agriculture services at the first instant and there on energy charges can be levied to Agriculture consumers.

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
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 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 2023-24.	EDP submits that the Voltage wise cost of supply has been submitted to the Hon'ble JERC.

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
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.	The Department proposes to 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 that the AMISP would commence the

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
				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 2022 is 25.00 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 the grid from this plant is also

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
		Further the Electricity Department Puducherry has also signed a PSA with NTPC for procurement of 100 MW of Solar Power.		accounted for fulfilling the Renewable Purchase Obligation (RPO) of the Department. 3)Further EDP has executed the following PPA: - 100MW of Solar power from NTPC and has been receiving RE power from 9/5/2022 which is being accounted for RPO - 50 MW of Solar RE power from SECI - 240.64 MW of Wind RE power from SECI and EDP is receiving 85.50MW of wind power since August 2022 which is being accounted for RPO. EDP submits to inform that the RE power from the above sources would be sufficient to fulfill EDP's RPO obligation.

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
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 calculations for the 2nd to 4th Quarter of FY 2021-22 has been submitted to the Commission on 17/8/2022. Since the difference between the Rapp and Ract is 3 paisa/unit for Q2, 6 paisa/unit for Q3, 13 paisa/unit for Q4 EDP has accounted the same in the True up exercise of FY 2021-22. The FPPCA calculations for the 1st qtr of FY 2022-23 was also submitted to JERC on 5/8/2022 and approval of Hon'ble JERC has also issued directions for collections of the same on 28/10/2022. Since EDP being an integral part of the Govt of Puducherry the approval of the Government has been sought for levy of 35 paisa/unit for Q1 of FY 2022-23. Upon receipt of Govt approval FPPCA charges would be levied and collected.
8.	Category-wise per KW/ KVA data:	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

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
	The Commission directs the 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.

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
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 link for the soft copy of the Fixed Asset Register has been sent to Hon'ble JERC during the 2nd TVS held on 4.3.2022 in connection with the Tariff Petition 2022-23. link for Fixed Asset Register furnished below: https://drive.google.com/drive/folders/1lkytUhnJT2EhKOpN9NjHvrJp9Pjvq7RI?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.

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

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 prepayment made by December	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 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.

	2023 as soon as possible for the consideration of the Commission.	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 to Metering, Billing and Collection etc., and submit the same in the tariff proceedings of next year.	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 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>	EDP is maintaining separate accounting for Regulatory Surcharge as per the directions of JREC.

	The Commission directs the Petitioner to maintain the separate accounting for Regulatory Surcharge.	
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 is in the process of appointing M/s. PTC as Consultant for real time power portfolio Management which includes sale of surplus power. Provisional Letter of Award issued to M/s PTC has been accepted and on issue of LOA the Consultant would assist the PED for comprehensive Power Portfolio Management efficiently. Apart from the above the Un-Requisitioned Surplus Power through from M/s. NLCIL and M/s. NTPC are being traded by the same entities on behalf of PED, on profit sharing basis.

CHAPTER 11. PROPOSED TARIFF SCHEDULE FOR FY 2023-24

11.1 Tariff Schedule for FY 2023-24

- 11.1.1 PED requests the commission to approve the following proposed tariff schedule and base rates for FY 2023-24.
- 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 10.00% 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

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 less

than 50 paise shall be ignored and amount of 50 paise 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.

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:

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.1.90/kWh	Rs.30/kW/month	Rs.2.30/Kwh
101-200 units per month	Rs.30/kW/month	Rs.2.90/kWh	Rs.30/kW/month	Rs.3.30/Kwh
201-300 units per month	Rs.30/kW/month	Rs.5.00/Kwh	Rs.30/kW/month	Rs.5.45/Kwh
Above 300 units per Month	Rs.30/kW/month	Rs.6.45/Kwh	Rs.30/kW/month	Rs.6.85/kWh

PED has proposed to increase the Energy charge from Rs.1.90/kWh to Rs.2.30/kWh for first 100 units, from Rs.2.90/kWh to Rs.3.30/kWh for next 101-200 units, Rs. 5.00/kWh to Rs. 5.40.kWh for next 201-300 units and Rs.6.45/kWh to Rs.6.85/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. 184 (80 units X Rs 2.30/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 965 (100 units X 2.30 + 100 units X 3.30 + 75 units X 5.40).

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 1.00/ kWh and No 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	Existing Charges	Proposed Charges
Life Line Services/ OHOB	Energy Charges- Rs.1.25/kWh	Energy Charges- Rs.2.50/kWh

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.5.70/kWh	Rs.75/kW/Month	Rs.6.00/kWh
101-250 units per month		Rs.6.75/kWh		Rs.6.85/kWh
Above 250 units per month		Rs.7.50/kWh		Rs.7.60/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:

- 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.1.90/kWh	Rs.30/ kW/month	Rs.2.30/Kwh

Consumption Range	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
101-200 units per month	Rs.30/kW/month	Rs.2.90/kWh	Rs.30/kW/month	Rs.3.30/Kwh
201-300 units per month	Rs.30/kW/month	Rs.5.00/Kwh	Rs.30/kW/month	Rs.5.45/Kwh
Above 300 units per Month	Rs.30/kW/month	Rs.6.45/Kwh	Rs.30/kW/month	Rs.6.85/kWh

PED has proposed to increase the Energy charge from Rs.1.90/kWh to Rs.2.30/kWh for first 100 units, from Rs.2.90/kWh to Rs.3.30/kWh for next 101-200 units, Rs. 5.00/kWh to Rs. 5.40.kWh for next 201-300 units and Rs.6.45/kWh to Rs.6.85/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

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.6.05/kWh	Rs.50.00/kW/Month	Rs.6.05/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.6.90/kWh	Rs.150/ connection/month	Rs.6.90/kWh

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.5.30/kVAh	Rs.420/ kVA/ Month	Rs.5.45/kVAh
HT I Commercial	Rs.420/ kVA/ Month	Rs.5.45/kVAh	Rs.420/ kVA/ Month	Rs.5.60/kVAh

PED has proposed to hike the existing energy charges from Rs.5.30/ kVAh to Rs.5.45/ kVAh for HT Industries & from Rs.5.45/ kVAh to Rs.5.60/ kVAh for HT Commercial.

11.3.3 High Tension – II (HT Others)

- a. Applicable to State and Central Government establishments of non-industrial and non-commercial nature.
- b. 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. 6.35/kVAh	Rs.480/kVA/month	Rs. 6.35/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	Rs.480/kVA/month	Rs. 5.15/kVAh	Rs.480/kVA/month	Rs. 5.30/kVAh

PED has proposed to hike the existing energy charges from Rs.5.15/ kVAh to Rs.5.30/ kVAh for HT – III.

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.

11.4 Temporary Supply

- 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.
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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 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.140.00/kVA/Month	Rs.8.00/kWh

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 services	(i) Single phase Services	125	125
		(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

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
(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

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 2021-22, Annual Performance Review for FY 2022-23 and Aggregate Revenue Requirement (ARR) and Determination of Tariff for FY 2023-24
- 3) Approve the total recovery of True Up for FY 2021-22, Annual Performance Review for FY 2022-23 and Aggregate Revenue Requirement (ARR) and Determination of Tariff for FY 2023-24
- 4) Review the actual performance of FY 2021-22 and approve the Aggregate Revenue Requirement (ARR) and gap for FY 2021-22 based on the actual figures.
- 5) Review and approve the revised estimates for Aggregate Revenue Requirement (ARR) and gap for FY 2022-23.
- 6) Approve the Aggregate Revenue Requirement (ARR) for FY 2023-24, Revenue from Charges and the gap along with the estimated carrying cost for FY 2021-22 till FY 2023-24.
- 7) Approve the consolidated gap till FY 2023-24 as regulatory assets as proposed in the petition and allow the gap to be recovered during FY 2023-24 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, 2023.
- 10) Grant approval for levy of 10% Regulatory Surcharge to all the consumer categories.
- 11) Grant Approval for Wheeling charges, Additional Surcharges and Open access

charges for FY 2023-24

- 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 2023-24.
- 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.



SUBMISSION to JOINT ELECTRICITY REGULATORY COMMISSION

ANNUAL REVENUE REQUIREMENT

Tariff Filing Formats

Electricity Department of Puducherry

**TRUE-UP FOR FY 2021-22, APR FOR FY 2022-23 AND ARR FOR FY 2023-
24**

TARIFF DETERMINATION FOR FY 2023-24

Tariff Filing Formats

INDEX

S. No.	Format	PARTICULARS
1	Form F2	Annual Revenue Requirement
2	Form F3	Summary of Power Purchase from Own Stations and Other Sources
3	Form F4	Summary of Power Purchase from Own Stations and Other Sources
4	Form F5	Sales, Number of Consumers, Connected Load
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
13	Form F14	Working Capital Requirements
14	Form F15	Fixed Assets & Provision for Depreciation
15	Form F16	Return on Equity
16	Form F17	Operations and Maintenance Expenses Summary
17	Form F17(A)	Normative O&M Expenses for Control Period
18	Form F18(A)	Employee Expenses
19	Form F18(B)	Employee Strength
20	Form F19	Administration & General Expenses
21	Form F20	Repair and Maintenance Expenses
22	Form F21	Non Tariff Income
23	Form F22	Consumer Security Deposit
24	Form F22(A)	Bad Debts
25	Form F23	Revenue from Current Tariff in Control Period
26	Form F24	Revenue from Proposed Tariff in Control Period
27	Form F25	Intra State Transmission Charges
28	Form F26	Inter State Transmission Charges
29	Form F27	Details of Charges for Deviation
30	Form F28	Key Characteristics of the Distribution Network
31	Form F29	Revenue Arrears and Agewise Analysis
32	Form F30	Revenue Arrears of Government/ Local Bodies and Agewise Analysis
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.

Electricity Department-Puducherry
TRUE-UP FOR FY 2021-22, APR FOR 2022-23 AND ARR FOR FY 2023-24

Annual Revenue Requirement

Sr. No.	Particulars	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 2021-22	FY 2022-23	FY 2023-24	FY 2021-22	FY 2022-23	FY 2023-24	FY 2021-22	FY 2022-23	FY 2023-24
A	Receipts									
1	Revenue from Sale of Power	1641.28	1709.87	1773.93						
2	Revenue from Sale of Power-BPSC	73.21	78.00	78.00						
B	Expenditure									
1	Cost of Power Purchase from Own Generating Stations	99.63	151.68	160.34						
2	Cost of Power Purchase from other Generating Stations	1102.26	1171.64	1197.15	0.00	0.00	0.00	1102.26	1171.64	1197.15
3	Inter State Transmission Charges	173.29	242.36	209.72		0.00	0.00	173.29	242.36	209.72
4	Intra State Transmission Charges							0.00	0.00	0.00
5	SLDC Fees & Charges									
6	O&M Expenses (Gross)									
	a) R&M Expenses	15.56	9.60	48.53	14.00	8.64	43.67	1.56	0.96	4.85
	b) Employee Cost	140.58	142.89	137.10	56.23	57.16	54.84	84.35	85.73	82.26
	c) A&G Expenses	14.23	15.08	15.99	7.11	7.54	7.99	7.11	7.54	7.99
7	Depreciation	36.47	38.23	38.98	32.82	34.41	35.08	3.65	3.82	3.90
8	Interest and Finance Charges	17.35	17.33	12.22	15.61	15.60	11.00	1.56	1.56	1.10
9	Interest on Working Capital	5.40	5.63	5.39	0.54	0.56	0.54	4.86	5.07	4.86
10	Interest on consumer security Deposit	9.66	10.16	10.75	0.97	1.02	1.08	8.69	9.14	9.68
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)	1614.42	1804.60	1836.18	127.29	124.92	154.20	1387.34	1527.83	1521.51
C	Return on Equity	46.28	48.14	49.07	41.65	43.33	44.16	4.63	4.81	4.91
D	Less: Non Tariff and other Income	3.63	23.93	25.13	0.36	2.39	2.51	3.27	21.54	22.62
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)	1657.08	1828.81	1860.12	168.58	165.85	195.86	1388.70	1511.10	1503.80
G	Surplus(+) / Shortfall (-) (A-F) - Before Tariff Revision	57.41	-40.94	-8.19						

Electricity Department-Puducherry
TRUE-UP FOR FY 2021-22, APR for 2022-23 and ARR FOR
FY 2023-24

Summary of Power Purchase from Own Stations and Other Sources for FY 2021-22

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	1173.91						389.68	331.95
	RSTPS Stage I & II	460.47						169.92	369.01
	RSTPS Stage -III	170.16						62.67	368.30
	Talcher Stage- II	492.24						125.38	254.72
	Simhadri Stage- II	51.03						31.71	621.29
	Covid Rebate								
II	NLC	1046.31						423.04	404.32
	NLC TPS II Stage I	350.26						125.29	357.72
	NLC TPS II Stage II	119.00						39.27	329.98
	NLC TPS I (Expn)	98.77						33.79	342.08
	NLC TPS II (Expn)	63.79						32.19	504.57
	NTPL (Tuticorin)	88.31						59.49	673.72
	NNTPS	326.18						133.01	407.78
III	NPCIL	783.74						313.91	400.53
	MAPS	14.71						4.18	284.48
	KAPS Stage I	294.52						105.14	356.99
	KAPS Stage II	0.00						0.00	0.00
	Kudankulam U1	239.84						106.24	442.97
	Kudankulam U2	234.67						98.35	419.09
B	Others	75.17						56.34	749.47
	TNEB (Pondy)								
	TNEB (Karaikal)								
	KSEB	0.00						0.01	
	Vallur Thermal Project (NTECL)	75.17						56.33	749.34
C	UI	-84.53						0	
	OverDrawl	33.18							
	Under Drawl	117.71							
D	Open Market	0						0	
	IEX Purchase								
	IEX Sale								
	Traders								
E	Open Access								
F	Renewable Sources	0.00						0.00	
	Solar REC								
	Non-Solar REC								
G	Within State Generations	236.44						99.63	421.35
	PPCL	236.44						99.63	421.35
H	OTHER CHARGES							149.54	
	PGCIL (PoC)							172.67	
	PGCIL (Non PoC)							0.62	
	SRLDC							0.64	
	RPO							0.00	
	SRPC							0.12	
	UI Charges							0.49	
	KPTCL							0.01	
	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							25.01	
I	Power Purchase Cost (Sub Total)	3231.04						1432.13	
J	Additional Income							56.95	
	URS Income							27.49	
	UI/DSM Charges							22.63	
	RARS Charges							6.34	
	Sale of Trading Materials							0.50	
K	Net Power Purchase Total	3231.04						1375.18	425.61

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 AND ARR FOR FY 2023-24'

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

Power Purchase Cost FY 2022-23 (H1) (Actual)							
S. No	Source	Energy Purchased	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Total Cost	Per Unit Cost
		MU	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
A	Central Sector Power Stations						
I	NTPC	620.34				257.03	414.34
	RSTPS Stage I & II	250.69				125.99	502.58
	RSTPS Stage -III	55.56				26.10	469.78
	Talcher Stage- II	280.92				78.35	278.90
	Simhadri Stage- II	33.17				26.59	801.57
II	NLC	532.81				189.28	355.25
	NLC TPS II Stage I						
	NLC TPS II Stage II	322.03				106.56	330.90
	NLC TPS I (Expn)						
	NLC TPS II (Expn)						
	NNTPS	210.78				82.72	392.45
III	NPCIL	346.02				136.60	394.77
	MAPS	12.78				3.29	257.43
	KAPS	149.07				52.74	353.79
	KKNPP	184.17				80.57	437.48
B	Others	105.92				75.67	714.44
	NTPL (Tuticorin)	58.69				43.20	736.07
	Vaitur Thermal						
	Project (NTECL)	47.23				32.46	687.28
	TNEB (Karaikal)						
	KSEB	0.00				0.01	
C	UI					0.76	
	OverDrawl	20.48					
	Under Drawl	58.76					
D	Open Market	0.00				0.00	
	IEX Purchase	0.00				0.00	
	IEX Sale	0.00				0.00	
	Traders	0.00				0.00	
E	Open Access	0.00				0.00	
F	Renewable Sources	87.84				22.86	260.25
	Solar	62.29				16.50	264.89
	Non-Solar	25.55				6.36	248.92
	Solar REC						
	Non-Solar REC						
G	Within State Generat	107.40				83.01	772.91
	PPCL	107.40				83.01	772.91
H	OTHER CHARGES					95.64	
	PGCIL(POC)					94.27	
	PGCIL(POC BILL1)					1.05	
	SRLDC					0.21	
	SRPC & RPO					0.11	
I	Additional Income					14.29	
	URS Income					0.00	
	UI/DSM Charges					12.33	
	RARS Charges					1.57	
	Sale of Trading Materials					0.39	
J	Total Power Purchase	1800.33				846.56	470.23

Power Purchase Cost FY 2022-23 (H2) (Estimated)							
S. No	Source	Energy Purchased	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Total Cost	Per Unit Cost
		MU	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
A	Central Sector Power Stations						
I	NTPC	393.17				170.62	433.96
	RSTPS Stage I & II	157.38				94.10	597.92
	RSTPS Stage -III	35.96				16.89	469.69
	Talcher Stage- II	192.39				53.66	278.91
	Simhadri Stage- II	7.44				5.97	802.42
II	NLC	390.77				140.04	358.37
	NLC TPS II Stage I	216.40				71.61	330.91
	NLC TPS II Stage II						
	NLC TPS I (Expn)						
	NLC TPS II (Expn)						
	NNTPS	174.37				68.43	392.44
III	NPCIL	222.70				86.87	390.08
	MAPS	10.57				2.72	257.33
	KAPS	103.32				36.55	353.76
	KKNPP	108.81				47.60	437.46
B	Others	63.67				45.95	721.75
	NTPL	44.60				32.83	736.10
	Vaitur Thermal						
	Project (NTECL)	19.07				13.11	687.47
	TNEB (Karaikal)						
	KSEB	0.00				0.01	
C	UI	0.00				0.00	
	OverDrawl	0.00				0.00	
	Under Drawl	0.00				0.00	
D	Open Market	-34.56				-15.22	
	IEX Purchase	0.00				0.00	
	IEX Sale	34.56				15.22	
	Traders	0.00				0.00	
E	Open Access	0.00				0.00	
F	Renewable Sources	330.17				89.76	271.86
	Solar	218.16				58.69	269.02
	Non-Solar	112.01				31.07	277.39
	Solar REC						
	Non-Solar REC						
G	Within State Generation	88.84				68.67	772.96
	PPCL	88.84				68.67	772.96
H	OTHER CHARGES					146.72	
	PGCIL(POC)					145.35	
	PGCIL(POC BILL1)					1.05	
	SRLDC					0.21	
	SRPC & RPO					0.11	
I	Additional Income					14.29	
	URS Income					0.00	
	UI/DSM Charges					12.33	
	RARS Charges					1.57	
	Sale of Trading Materials					0.39	
J	Total Power Purchase	1489.32				719.12	482.85

Electricity Department-Puducherry

TRUE-UP FOR FY 2020-21, APR FOR FY 2022-23 AND ARR FOR FY 2023-24

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

Power Purchase Cost FY 2022-23 (Total) (Estimated)							
S. No	Source	Energy Purchased	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Total Cost	Per Unit Cost
		MU	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
A	Central Sector Power Stations						
I	NTPC	1013.51				427.65	421.95
	RSTPS Stage I & II	408.07				220.09	539.35
	RSTPS Stage -III	91.52				42.99	469.74
	Talcher Stage- II	473.31				132.01	278.91
	Simhadri Stage- II	40.61				32.56	801.72
II	NLC	923.58				329.32	356.57
	NLC TPS II Stage I						
	NLC TPS II Stage II						
	NLC TPS I (Expn)	538.43				178.17	330.91
	NLC TPS II (Expn)						
	NNTPS	385.15				151.15	392.44
III	NPCIL	568.72				223.47	392.94
	MAPS	23.35				6.01	257.39
	KAPS	252.39				89.29	353.78
	KKNPP	292.98				128.17	437.47
B	Others	169.59				121.63	717.19
	NTPL	103.29				76.03	736.08
	Vallur Thermal Project (NTECL)	66.30				45.57	687.33
	TNEB (Karaikal)	0.00				0.00	
	KSEB	0.00				0.03	
C	UI					0.00	
	OverDrawl	20.48				0.00	
	Under Drawl	58.76				0.00	
D	Open Market	-34.56				-15.22	
	IEX Purchase	0.00				0.00	
	IEX Sale	34.56				15.22	
	Traders	0.00				0.00	
E	Open Access	0.00				0.00	
F	Renewable Sources	418.01				112.62	
	Solar	280.45				75.19	
	Non-Solar	137.56				37.43	
	Solar REC	0.00				0.00	
	Non-Solar REC	0.00				0.00	
G	Within State Generat	196.24				151.68	772.93
	PPCL	196.24				151.68	772.93
H	OTHER CHARGES					242.36	
	PGCIL(POC)					239.62	
	PGCIL(POC BILL1)					2.10	
	SRLDC					0.42	
	SRPC & RPO					0.22	
I	Additional Income					28.59	
	URS Income					0.00	
	UI/DSM Charges					24.65	
	RARS Charges					3.15	
	Sale of Trading Materials					0.78	
J	Total Power Purchase	3289.65				1565.68	475.94

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR for 2022-23 AND ARR FOR FY 2023-24'

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

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	898.79				395.91	440.49
	RSTPS Stage I & II	388.49				203.55	523.95
	RSTPS Stage -III	78.26				38.25	488.76
	Talcher Stage- II	377.40				109.13	289.16
	Simhadri Stage- II	54.64				44.98	823.21
II	NLC	920.20				336.44	365.62
	NLC TPS II Stage I	587.51				202.21	344.18
	NLC TPS II Stage II						
	NLC TPS I (Expn)						
	NLC TPS II (Expn)						
	NNTPS	332.69				134.23	403.47
III	NPCIL	444.26				180.77	406.90
	MAPS	24.90				6.71	269.48
	KAPS	200.48				74.42	371.21
	Kudankulam	218.88				99.64	455.23
B	Others	176.39				129.92	736.55
	TNEB (Pondy)	0.00				0.00	
	TNEB (Karaikal)	0.00				0.00	
	KSEB	0.00				0.00	
	Vallur Thermal Project (NTECL)	72.03				50.91	706.79
	NTPL (Tuticorin)	104.36				79.01	757.09
C	UI	0.00				0.00	
	OverDrawl						
	Under Drawl						
D	Open Market	-200.00				-88.00	
	IEX Purchase	0.00					
	IEX Sale	200.00				88.00	
	Traders	0.00					
E	Open Access	0.00				0.00	
F	Renewable Sources	869.19				241.39	277.72
	Solar	396.73				107.75	271.60
	Non-Solar	472.46				133.64	282.86
	Solar REC						
	Non-Solar REC						
G	Within State Generations	199.27				160.34	804.64
	PPCL	199.27				160.34	804.64
H	OTHER CHARGES					209.72	
	PGCIL Transmission Charges, Wheeling & Other Charges					209.72	
I	Other (SRLDC,SRPC & RPO) CHARGES					0.72	
J	Total Power Purchase Cost	3508.10				1567.21	446.74

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR for 2022-23 AND ARR FOR FY 2023-24'
Summary of Station Wise details of Power Purchase from Own and Other Sources

S. No	Source	Months in the Financial Year 2021-22																							
		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																								
	RSTPS Stage I & II	53.37	17.55	30.22	15.16	30.22	9.85	40.93	16.08	56.13	18.57	43.59	14.92	46.49	16.22	34.29	13.15	27.91	11.98	30.38	11.61	26.95	10.47	40.00	14.37
	RSTPS Stage -III	16.62	5.35	13.27	4.43	13.76	4.06	15.78	5.77	17.14	5.45	15.21	6.05	16.24	6.40	12.40	6.26	11.64	4.60	12.08	4.51	11.18	4.24	14.84	5.56
	Talcher Stage- II	45.94	11.97	40.97	10.60	43.04	11.09	42.12	10.60	36.31	9.70	41.89	9.38	37.67	10.12	36.09	9.30	37.76	10.16	39.75	10.70	41.06	9.65	49.63	12.12
	Simhadri Stage- II	3.96	2.19	3.60	1.94	1.50	1.32	5.37	3.47	8.45	4.19	4.17	2.59	4.23	1.90	4.78	3.56	3.89	2.63	3.35	1.48	3.10	3.33	4.64	3.10
II	NLC																								
	NLC TPS II Stage I	35.21	12.60	37.31	13.24	34.81	12.46	38.13	14.00	32.15	12.51	30.71	12.02	35.10	12.93	22.11	8.22	16.92	7.01	18.07	6.25	18.81	6.01	30.93	8.03
	NLC TPS II Stage II	12.66	4.37	13.22	4.68	13.79	4.75	12.34	4.42	17.87	6.05	9.24	3.63	8.01	2.48	7.92	1.46	6.97	2.82	6.23	2.47	2.73	0.96	8.01	1.17
	NLC TPS I (Expn)	5.60	1.96	9.31	3.90	8.99	2.95	9.16	3.22	11.54	3.77	8.48	2.88	9.15	3.06	5.35	1.51	6.73	2.46	6.48	2.38	7.84	2.55	10.13	3.15
	NLC TPS II (Expn)	8.65	4.34	7.77	3.84	8.07	4.30	4.50	2.24	3.18	1.53	4.71	2.32	5.73	2.84	3.65	1.73	6.13	3.30	3.38	1.76	5.56	2.94	2.48	1.04
	NTPL (Tuticorin)	9.66	5.86	8.89	5.95	6.49	5.09	8.72	5.21	15.55	7.96	5.43	4.67	4.74	3.02	5.42	3.42	5.77	3.91	5.88	5.87	5.96	4.28	5.79	4.26
III	NPCIL																								
	MAPS	0.18	0.05	-0.40	-	-0.33	-	2.07	0.35	1.65	0.45	-0.36	-	1.70	0.25	2.11	0.55	2.21	0.56	2.24	1.03	0.97	0.29	2.67	0.66
	KAPS Stage I	23.26	7.74	24.57	13.11	24.88	8.65	22.63	7.84	20.31	7.70	24.82	8.59	24.81	8.60	25.33	6.47	26.72	9.13	26.68	9.98	23.99	8.23	26.53	9.09
	KAPS Stage II																								
	Kudankulam U1	25.20	18.39	25.94	11.18	17.55	7.20	-0.43	0.23	-0.65	0.11	20.58	7.98	25.22	10.35	25.20	10.33	26.04	10.41	26.21	10.50	23.59	9.43	25.39	10.15
	Kudankulam U2	3.66	0.98	20.14	8.48	20.77	8.46	23.74	9.72	19.99	10.67	22.31	9.17	23.11	9.44	16.65	6.87	23.72	9.66	20.83	8.53	21.43	8.79	18.31	7.57
B	Others																								
	Vallur Thermal Project (NTECL)	8.25	4.96	4.81	4.24	6.86	4.68	8.29	5.52	8.12	4.81	6.70	4.63	4.53	3.45	5.57	4.49	6.79	5.52	6.37	6.07	3.79	3.96	5.08	3.99
	NNTPS	29.48	11.82	26.85	10.83	23.47	9.86	38.47	15.56	21.45	8.45	30.80	12.74	18.01	7.21	17.06	6.94	27.88	11.59	31.23	13.19	29.14	12.09	32.33	12.72
C	Within State Generations																								
	PPCL	19.30	7.91	20.19	8.14	19.80	8.02	19.82	8.03	20.71	8.25	20.07	8.10	20.62	9.07	19.41	8.81	19.71	8.90	20.21	9.11	18.18	8.24	18.42	7.06
D	Total Power Purchase	300.98	118.04	286.65	119.71	273.67	102.75	291.62	112.26	289.92	110.17	288.35	109.67	285.37	107.33	243.37	93.06	256.77	104.66	259.38	105.44	244.28	95.46	295.19	104.03

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR for 2022-23 AND ARR FOR FY 2023-24

Sales, Consumers & Connected Load

A) Sales

(MUs)

S.No.	Category	Previous Year		Current Year	Ensuing Year
		Actual	Actual	Estimated	Projection
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
1(a)	Domestic & Cottage				
	0 - 100 Units	357.97	392.81	407.37	345.39
	101 - 200 Units	195.60	208.37	195.30	219.30
	201 - 300 Units	114.00	102.63	94.37	132.87
	>300 Units	138.60	99.95	121.86	133.38
	Domestic & Cottage Total	806.17	803.76	818.90	830.94
1(b)	OHOB/ Line Line Services	3.50	3.62	3.62	3.62
2	Commercial				
	0 - 100 Units	40.74	4.00	4.82	4.82
	101 - 250 Units	46.16	10.23	2.31	11.31
	> 250 Units	61.60	160.23	178.83	174.12
	Commercial Total	148.50	174.45	185.96	190.25
3	Agriculture				
a	Small farmers	8.49			
b	Other farmers	51.50			
	Agriculture Total	59.99	60.06	61.75	62.06
4	Public lighting	21.73	19.95	19.00	19.00
5(a)	LT Industrial	106.91	127.87	126.09	136.05
5(b)	Water tank	35.05	42.20	41.58	43.98
	LT Industrial + water Tank Total	141.95	170.07	174.07	180.03
5(c)	Temporary supply - LT&HT	4.43	3.85	5.06	5.16
6	HT 1 (a) For contract demand up to 5000 kVA/Industrial	806.29	827.41	839.00	852.41
6(b)	HT 1 (b) For contract demand up to 5000 kVA/Commercial	58.14	84.41	84.00	75.00
	HT-1 Total	864.43	911.82	923.00	927.41
7	HT 2 - Government & non-Industrial & non-Commercial	53.49	55.45	51.00	72.00
	HT-2 Total	53.49	55.45	51.00	72.00
8	HT 3 - EHT Industries	413.94	579.60	584.00	590.00
	HT-3 Total	413.94	579.60	584.00	590.00
9	Electric Vehicle ChargingStation	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	2518.14	2782.63	2826.36	2880.47

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR for 2022-23 AND ARR FOR FY 2023-24

Sales, Consumers & Connected Load

B) Number of Consumers					
S.No.	Category	Previous Year		Current Year	Ensuing Year
		Actual	Actual	Estimated	Projection
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
1(a)	Domestic & Cottage				
	0 - 100 Units	141038	146520	151272	153272
	101 - 200 Units	102416	107283	110763	112263
	201 - 300 Units	55794	56430	58260	58760
	>300 Units	59380	59708	61645	63145
	Domestic & Cottage Total	358628	369941	381940	387440
1(b)	OHOB/ Line Line Services	8248	8248	8248	8248
2	Commercial				
	0 - 100 Units	22868	9729	10067	10067
	101 - 250 Units	9249	21348	22091	22091
	> 250 Units	23933	26413	27332	27332
	Commercial Total	56050	57490	59490	59490
3	Agriculture				
a	Small farmers	960	960	0	62
b	Other farmers	6069	6096	0	7047
	Agriculture Total	7029	7056	7096	7109
4	Public lighting	51153	51609	52609	54609
5(a)	LT Industrial	3584	3524	3559	3571
5(b)	Water tank	802	899	914	922
	LT Industrial + water Tank Total	4386	4423	4473	4493
5(c)	Temporary supply - LT&HT	0	0	0	0
6	HT 1 (a) For contract demand up to 5000 kVA/Industrial	343	333	345	355
6(b)	HT 1 (b) For contract demand up to 5000 kVA/Commercial	112	115	118	127
	HT-1 Total	455	448	463	482
7	HT 2 - Government & non-Industrial & non-Commercial	63	66	67	69
	HT-2 Total	63	66	67	69
8	HT 3 - EHT Industries	8	10	10	10
	HT-3 Total	8	10	10	10
9	Electric Vehicle ChargingStation	0	0	0	0
10	Hoarding/ Signboards	0	0	0	0
	Grand Total	486020	499291	514396	521950

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR for 2022-23 AND ARR FOR FY 2023-24

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 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
1(a)	Domestic & Cottage				
	Domestic & Cottage Total	606734	647397	650630	694377
1(b)	OHOB/ Line Line Services	2843	2843	2062	0
2	Commercial				
	Commercial Total	146001	323889	316111	338889
3	Agriculture				
a	Small farmers		6237	6237	186
b	Other farmers		54010	54365	60419
	Agriculture Total	60000	60247	60602	60602
4	Public lighting	6296	6357	6419	6481
5(a)	LT Industrial		295667	298603	297382
5(b)	Water tank				
	LT Industrial + water Tank Total	131883	295667	298603	297382
5(c)	Temporary supply - LT&HT				
6	HT 1 (a) For contract demand up to 5000 kVA/Industrial		261905	263441	265341
6(b)	HT 1 (b) For contract demand up to 5000 kVA/Commercial		30317	31317	33958
	HT-1 Total	0	292222	294758	299299
7	HT 2 - Government & non-Industrial & non-Commercial		30903		
	HT-2 Total	229166	30903	31153	32121
8	HT 3 - EHT Industries		35243		
	HT-3 Total	23180	35243	35243	35243
9	Electric Vehicle ChargingStation	0			
10	Hoarding/ Signboards	0			
	Grand Total	1206104	1694767	1695581	1764394

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR for 2022-23 and ANNUAL REVENUE REQUIREMENT FOR
FY 2023-24'**Energy Balance (Availability Vs Requirement)**

Sr. No.	Particulars	Previous Year (Actuals)	Current Year (Actuals)	Ensuing Year (Projections)
		FY 2021-22	FY 2022-23	FY 2023-24
A)	ENERGY REQUIREMENT			
1	Energy sales to metered category within the State	2,782.63	2,826.36	2,880.47
2	Energy exported to TANGEDCO	-	-	-
3	Total sales within the State	2,782.63	2,826.36	2,880.47
4	T&D Losses (%)	11.08%	11.00%	10.75%
5	T&D Losses (MU)	346.85	349.32	346.95
6	Energy required at Discom Periphery	3,129.47	3,175.68	3,227.41
B)	ENERGY AVAILABILITY			
1	Net Power Purchase (ex Bus)	3,079.13	2,713.68	2,439.64
2	Own Generation (PPCL)	236.44	196.24	199.27
3	Power Purchase from Renewable sources	-	418.01	869.19
4	Power purchase from Common Pool / UI-overdrawal / Traders / Exchange / Others	33.18	20.48	-
5	UI Underdrawal	117.71	58.76	-
6	Open Access Power Purchase at periphery	-	-	-
7	Net Power Purchased (1+2+3+4-5+6)	3,231.04	3,289.65	3,508.10
8	Transmission Losses	101.57	67.84	60.99
9	Transmission Losses (%)	3.25%	2.50%	2.50%
10	Total Energy Availability	3,129.47	3,221.81	3,447.11
11	Deficit/(Surplus)	-	-46.13	-219.70

Electricity Department-Puducherry
TRUE-UP FOR FY 2021-22, APR for 2022-23 and ANNUAL REVENUE REQUIREMENT FOR
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 Commission	Capitalisation incurred in Current Year (FY 2021-22)				FY 2022-23				FY 2023-24				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 Mordenization 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	52.43	22.47	0.00	74.90									
New Scheme																
Revamped Scheme	Transmission Scheme (Proposed)	FY 2022-23	215.00													
Revamped Scheme	Distributioin Scheme (Proposed)	FY 2022-23	180.00													
New Scheme Total			395.00					3.37	1.45	7.22	12.04	24.59	10.54	52.69	87.82	

Electricity Department-Puducherry
TRUE-UP FOR FY 2020-21, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD -
FY 2022-23 TO FY 2024-25

Interest and Finance Charges

S. No.	Loan Source	Rate of Interest (%)	Previous Year	Current Year	Ensuing Year
			FY 2021-22	FY 2022-23	FY 2023-24
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		14.95	14.19	12.22
III	Other Interest & Finance Charges				
1	Cost of raising Finance / Bank Charges		2.40	2.52	2.64
2	Interest on Security Deposit		9.66	10.16	10.75
3	Penal Interest Charges				
4	Lease Rentals				
5	Sub Total		12.06	12.67	13.40
D	Grand Total of Interest & Finance Charges (I.A.5 + I.B.5 + II.A.5 + II.B.5 + III.5)		27.01	26.86	25.62
E	Less: Interest & Finance Charges Capitalised				
F	Net Interest & Finance Charges (D - E)		27.01	26.86	25.62

Form 13 A

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR for 2022-23 and ANNUAL REVENUE REQUIREMENT FOR

FY 2023-24

Normative Interest on Loan Recalculation

(Rs. Crore)

Sr. No.	Particulars	Previous Year	Current Year (Est)	Ensuing Year (Projection)	
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Opening Normative Loan	178.85	194.81	159.95	145.56
2	Add: Normative Loan during the Year	52.43	3.37	24.59	77.70
3	Less: Normative Repayment	36.47	38.23	38.98	41.44
4	Closing Normative Loan	194.81	159.95	145.56	181.83
4	Average Normative Loan	186.83	177.38	152.76	163.69
5	Rate of Interest (@SBI 1 Year MCLR rate+100 Basis Points)	8.00%	8.00%	8.00%	8.00%
6	Interest on Normative Loan	14.95	14.19	12.22	13.10
7	Other Finance Charges	2.40	3.14	-	-
8	Total Interest & Finance Charges	17.35	17.33	12.22	13.10

Electricity Department-Puducherry
TRUE-UP FOR FY 2020-21, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD -
FY 2022-23 TO FY 2024-25
Working Capital Requirements

S. No.	Particulars	Ref. Form No.	Previous Year	Current Year	Ensuing Year
			Actual	Estimated	Projections
			FY 2021-22	FY 2022-23	FY 2023-24
A)	O&M Expenses				
i)	R&M Expenses	20	15.56	9.60	48.53
ii)	A&G Expenses	19	14.23	15.08	15.99
iii)	Employee Cost	18A	140.58	142.89	137.10
iv)	Total O&M Expenses		170.37	167.57	201.61
v)	O&M Expenses for 1 month		14.20	13.96	16.80
B	Maintenance Spares (@ 40% of R&M Expenses for one (1) month)		0.52	0.32	1.62
C	Receivables equivalent to two (2) months		272.60	287.27	294.58
D	Less: Amount, if any, held as security deposits from Distribution System Users	22	227.31	238.94	253.06
E	Total Working Capital (A (v)+B+C-D)		60.00	62.61	59.94
F	Rate of Interest **		9.00%	9.00%	9.00%
G	Interest on Working Capital		5.40	5.63	5.39

****The Interest rate for this purpose shall be the rate as specified in**

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 AND ARR FOR FY 2023-24

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 Depreciabl e base	At the end of the Year	Depreciati on
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			15%	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)										

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 and ARR FOR FY 2023-24

Fixed Assets & Provision for Depreciation

Fixed Assets and Depreciation For True Up year an

(₹ 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	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	535.98	59.58	0.00	595.55	595.55	20.37	595.55	3.83	0.00	599.39	599.39	21.51
4	Lines and Cables Network	334.39	9.89	0.00	344.28	344.28	12.22	344.28	0.64	0.00	344.91	344.91	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	0.21	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	1.19	0.04	0.00	1.23	1.23	0.07	1.23	0.00	0.00	1.23	1.23	0.07
8	IT Equipments	2.82	0.01	0.00	2.83	2.83	0.17	2.83	0.00	0.00	2.83	2.83	0.42
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	37.79	5.38	0.00	43.17	43.17	2.43	43.17	0.35	0.00	43.52	43.52	2.60
	TOTAL	954.63	74.90	0.00	1029.53	1029.53	36.47	1029.53	4.82	0.00	1034.35	1034.35	38.23
	Total as per Audited Account (for True up year only)						3.68%		4.82				3.70%

Electricity Department-Puducherry
TRUE-UP FOR FY 2021-22, APR FOR 2022-23 and
ARR FOR FY 2023-24

Fixed Assets & Provision for Depreciation**Fixed Assets and Depreciation For True Up year an**

S. No	Particulars	Ensuing Years					
		FY 2023-24					
		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	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
3	Plant & Machinery	599.39	27.94	0.00	627.33	627.33	22.08
4	Lines and Cables Network	344.91	4.64	0.00	349.55	349.55	12.50
5	Vehicles	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
7	Office Equipments	1.23	0.02	0.00	1.26	1.26	0.07
8	IT Equipments	2.83	0.00	0.00	2.83	2.83	0.42
9	Testing & Measuring Equipments	4.68	0.00	0.00	4.68	4.68	0.28
10	SCADA Centre	43.52	2.52	0.00	46.04	46.04	2.69
	TOTAL	1034.35	35.13	0.00	1069.48	1069.48	38.98
	Total as per Audited Account (for True up year only)		35.13				3.71%

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 and ARR FOR FY 2023-24

Return on Equity

S. No	Particulars	Previous Year	Current Year	Ensuing Year
		Actual	Estimated	Projection
		FY 2021-22	FY 2022-23	FY 2023-24
1	Opening Balance of Equity	286.39	308.86	310.30
2	Equity Addition during year (30% of Capitalization)	22.47	1.45	10.54
3	Closing Balance of Equity	308.86	310.30	320.84
4	Average Equity Amount	297.62	309.58	315.57
5	Average Equity-Wires Business	267.86	278.62	284.02
6	Average Equity -Retail Supply Business	29.76	30.96	31.56
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	41.52	43.19	44.02
10	Return on Equity for Retail Supply Business	4.76	4.95	5.05
11	Total Return on Equity	46.28	48.14	49.07

*To be based on rate applicable as per regulations

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 and ARR FOR FY 2023-24

Operations and Maintenance Expenses Summary

(Rs. Crore)

Sr. No.	Particulars	FY 2021-22			Current Year	Ensuing Year	Remarks
		Tariff Order	April-March (Audited)	Deviation	FY 2022-23	FY 2023-24	
		(a)	(b)	(c) = (b) - (a)	Estimated	Projected	
1	O&M Expenses						
1.1	Employee Expenses	116.31	157.34	41.03	142.89	137.10	
1.2	R&M Expenses	11.77	15.56	3.79	9.60	48.53	
1.3	A&G Expenses	14.20	14.23	0.03	15.08	15.99	
2	O&M Expense capitalised		16.76	16.76	0.00	0.00	
3	Total Operation & Maintenance Expenses (net of capitalisation)	142.28	170.37	28.09	167.57	201.61	

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 AND ARR FOR FY 2023-24

Sr. No.	Particulars	Approved O&M Expenses			3-Year Average	Base Year FY 2021-22				
		FY 2018-19	FY 2019-20	FY 2020-21			FY 2022-23		FY 2023-24	
		(a)	(b)	(c)	(d) = [(a)+(b)+(c)]/3	(e)	Normative	Projected	Normative	Projected
1	Employee Expenses	108.46	112.25	112.94	111.22	140.58	142.89		137.10	
2	A&G Expenses	8.61	12.8	13.48	11.63	14.23	15.08		15.99	
3	R & M Expenses	4.47	9.59	10.5	8.19	15.56	9.60		9.65	
4	Total O&M Expenses	121.54	134.64	136.92	131.03	170.37	167.57	0.00	162.73	0.00

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 and ARR FOR FY 2023-24

Employee Expenses

	S.No	Particulars	Previous Year	Current Year	Ensuing Year
			Actual	Estimated	Projections
			FY 201-22	FY 2022-23	FY 2023-24
A		Employee Cost (Other than covered in 'C' & 'D')			
	1	Salaries	155.20		
	2	Wages	0.82		
	3	Stipend	0.72		
	4	Dearness Allowance (DA)			
	5	Other Allowances			
	6	Interim Relief / Wage Revision			
	7	Overtime	0.60		
	8	Bonus			
	9	Generation Incentive			
		Sub Total	157.34		
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	Earned 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)	157.34		
F		Employee Expenses Capitalized	16.23		
G		Employee Cost towards maintenance of toher Govt Department	0.53		
H		Net Employee Expenses (E)-(F)-(G)	140.58	142.89	137.10

Form F18(B)

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 and ARR FOR FY 2023-24

Employee Strength

Sr.No	Particulars			Projections	
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
1	Number of employees as on 1st April	1,954	1,848	1,772	1,710
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
4	Number of employees retired/ retiring during the year	106	76	62	59
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

Electricity Department-Puducherry

'TRUE-UP FOR FY 2021-22, APR FOR 2022-23 and ARR FOR FY 2023-24

Administration & General Expenses

Sr. No.	Particulars	Previous Year	Current Year	Ensuing Year
		Actual	Estimated	Projections
		FY 2021-22	FY 2022-23	FY 2023-24
1	Rent, rates & taxes	10.33		
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	3.90		
14	Payment towards smart grid projects			
15	Total	14.23		
16	Add/Deduct share of others (to be specified)			
17	Total expenses	14.23		
18	Less: Capitalized			
19	Net expenses	14.23		
20	Add: Prior period			
21	Total A&G Expenses charged to revenue	14.23	15.08	15.99

Form F20

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 and ARR FOR FY 2023-24

Repair & Maintenance Expenditure

S.No.	Particulars	Previous Year	Current Year	Ensuing Year
		Actual	Estimated	Projections
		FY 2021-22	FY 2022-23	FY 2023-24
1	Plant and Machinery	15.56	9.60	9.65
	- 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			
	- 33kV Lines			
	- 11kV Lines			
	- LT Lines			
	- Others			
6	Vehicles	0.00	0.00	38.88
7	Furniture and Fixtures			
8	Office Equipments			
9	Station Supplies			
10	Payments towards Smart metering project	0.00	0.00	38.88
11	Any Other Item			
A	Gross R&M Expenses	15.56	9.60	48.53
B	R&M Expenses Capitalised	0.00	0.00	0.00
12	Net R&M Expenses	15.56	9.60	48.53

Form F21

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 AND ARR FOR FY 2023-24

Income from Investments and Non-Tariff Income

S. No.	Particulars	Previous Year	Current Year	Ensuing Year
		Actual	Estimated	Projections
		FY 201-22	FY 2022-23	FY 2023-24
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	3.63	23.93	25.13

Note:

*Net revenue from late payment surcharge (late payment surcharge less financing cost of late payment surcharge)

Form F22

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 AND ARR FOR FY 2023-24

Interest on Consumer Security Deposit

Sr. No.	Particulars	Previous Year	Current Year	Ensuing Year
		Actual	Projections	Projections
		FY 2021-22	FY 2022-23	FY 2023-24
1	Opening Security Deposit	222.09	232.54	245.35
2	Add: Deposits during the Year	23.64	26.01	28.61
3	Less: Deposits refunded	13.19	13.19	13.19
4	Less: Deposits in form of BG/FDR	0	0	0
5	Closing Security Deposit	232.54	245.35	260.76
6	Bank Rate	4.25%	4.25%	4.25%
7	Interest on Security Deposit	9.66	10.16	10.75

Form F22(A)

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 AND ARR FOR FY 2023-24

Debits, Write-offs and Any Other Items

S. No	Particulars	Previous Year	Current Year	Ensuing
		Actual	Estimated	Projections
		FY 201-22	FY 2022-23	FY 2023-24
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.

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 AND ARR FOR FY 2023-24

Revenue from Tariff for the year FY 2021-22 (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										
			Units	Fixed Charges	Units	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 5%	Total		
1	Domestic & Cottage														
	0-100	146520	Rs./Connection/Month	40	Rs./kWh	1.55			392.81	7.03	60.89		67.92		
	101-200	107283	Rs./Connection/Month	45	Rs./kWh	2.60			208.37	5.79	54.18		59.97		
	201-300	56430	Rs./Connection/Month	45	Rs./kWh	4.65			102.63	3.05	47.72		50.77		
	> 300	59708	Rs./Connection/Month	45	Rs./kWh	6.05			99.95	3.22	60.47		63.69		
	Total	369941						647397	803.76	19.10	223.25		242.35	3.02	52.62%
2	Life Line Services														
	Life Line Services	8,248	-		Rs./kWh	1.00		2843	3.62	0.00	0.36		0.36	1.00	17.45%
3	Commercial														
	0-100	9729	Rs./kW/Month	75	Rs./kWh	5.70			4.00		2.28		2.28		
	101-250	21348	Rs./kW/Month	75	Rs./kWh	6.75			10.23		6.901875		6.90		
	> 250	26413	Rs./kW/Month	75	Rs./kWh	7.50			160.23		120.16875		120.17		
	Total	57490		75				323889	174.45	29.15	129.35		129.35	7.41	129.40%
4	Agriculture														
	Small Farmers	960	Rs./Hp/Month	20	-	-		6,237			0		0.00		
	Other Farmers	6096	Rs./Hp/Month	50	-	-		54,010			0		0.00		
	Total	7056						60247	60.06	4.26	0.00		4.26	0.71	12.38%
5	Public Lighting														
	Public lighting	51609	Rs./Pole/Month	110	Rs./kWh	6.80		6357	19.95	6.20	13.57		19.77	9.91	172.90%
6	LT Industrial & Water Works														
	LT industrial	3524	Rs./kW/Month	50	Rs./kWh	6.05		295667	127.87	17.74	72.37		90.11		
	Water Tank	899	Rs./Connection/Month	150	Rs./kWh	6.90			42.20	0.16	29.12		29.28		
	Total	4423						295666.67	170.07	17.90	101.49		119.39	7.02	122.51%
7	Temporary Supply-LT & HT														
	Temporary Supply-LT & HT	0	Rs./Connection/Month		Rs./kWh	10.07			3.85	0	3.88		4.04	10.50	183.27%
8	HT-1														
	HT Industries (For Supply at 11 kV, 22 kV or 33 kV)	333	Rs./kVA/Month	420	Rs./kVAh	5.30		2,61,905	827.41	132.00	438.53		570.53		
	HT Commercial (For contract demand up to 5000 kVA)	115	Rs./kVA/Month	420	Rs./kVAh	5.45		30,317	84.41	15.28	46.00		61.28		
	Total	448						292222	911.82	147.28	484.53		631.81	6.93	120.93%
9	HT-2 Others														
	HT-Others	66	Rs./kVA/Month	480	Rs./kVAh	6.35		30,903	55.45	17.80	35.21		53.01	9.56	166.84%
10	HT-3 EHT														
	EHT Industries (For Supply at 110 kV or 132 kV)	10	Rs./kVA/Month	480	Rs./kVAh	5.10		35,243	579.60	20.30	295.60		315.90	5.45	95.12%
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												13.19		
	Total	4,99,291						16,94,767	2,782.63	261.99	1,287.24	78.86	1,641.28	5.90	

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, APR FOR 2022-23 AND ARR FOR FY 2023-24

Revenue from Tariff for the year FY 2022-23 (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 KVA/MVA	Sales in MU	Revenue from Fixed Charges	Revenue from Energy Charges	Revenue from surcharge 5%	Total		
			Units	Fixed Charges	Units	Energy Charges									
1	Domestic & Cottage														
	0-100	151272	Rs./kW/Month	30	Rs./kWh	1.90			407.37		77.40				
	101-200	110763	Rs./kW/Month	30	Rs./kWh	2.90			195.30		56.64				
	201-300	58260	Rs./kW/Month	30	Rs./kWh	5.00			94.37		47.19				
	> 300	61645	Rs./kW/Month	30	Rs./kWh	6.45			121.86		78.60				
	Total	381940		30				650630	818.90	20.90	259.82	14.04	294.76	3.60	62.93%
2	Life Line Services														
	Life Line Services	8,248	-		Rs./kWh	1.00		2062	3.62	0.00	0.36	0.02	0.38	1.05	18.36%
3	Commercial														
	0-100	10067	Rs./kW/Month	75	Rs./kWh	5.70			4.82		2.75				
	101-250	22091	Rs./kW/Month	75	Rs./kWh	6.75			2.31		1.56				
	> 250	27332	Rs./kW/Month	75	Rs./kWh	7.50			178.83		134.12				
	Total	59490		75				316111	186	28.45	138.43	8.34	175.22	9.42	164.73%
4	Agriculture														
	Small Farmers		Rs./Hp/Month	20	-	-		6,237		0.15	0	0.01	0.16		
	Other Farmers		Rs./Hp/Month	75	-	-		54,365		4.89	0	0.24	5.14		
	Total	7096						60602	61.75	5.04	0.00	0.25	5.29	0.86	14.99%
5	Public Lighting														
	Public lighting	52609	Rs./Pole/Month	110	Rs./kWh	6.80		6419	19.00	6.32	12.92	0.96	20.20	10.63	185.88%
6	LT Industrial & Water Works														
	LT industrial	3559	Rs./kW/Month	50	Rs./kWh	6.05		298603.00	126.09	17.92	76.28	4.71	98.91	7.84	
	Water Tank	914	Rs./Connection/Month	150	Rs./kWh	6.90			41.58	0.01	28.69	1.44	30.14	7.25	
	Total	4473						298603.00	174.07	17.93	104.97	6.15	129.05	7.41	129.61%
7	Temporary Supply-LT & HT														
	Temporary Supply-LT & HT	0	Rs./Connection/Month		Rs./kWh	10.00			5.06	0	5.06	0.25	5.31	10.50	183.57%
8	HT-1														
	HT Industries (For Supply at 11 kV, 22 kV or 33 kV)	345	Rs./kVA/Month	420	Rs./kVAh	5.30		2,63,441	839.00	132.77	444.67	28.87	606.32		
	HT Commercial (For contract demand up to 5000 kVA)	118	Rs./kVA/Month	420	Rs./kVAh	5.45		31,317	84.00	15.78	45.78	3.08	64.64		
	Total	463						294758	923	148.56	490.45	31.95	670.96	7.27	127.09%
9	HT-2 Others														
	HT-Others	67	Rs./kVA/Month	480	Rs./kVAh	6.35		31,153	51.00	17.94	32.39	2.52	52.85	10.36	181.15%
10	HT-3 EHT														
	EHT Industries (For Supply at 110 kV or 132 kV)	10	Rs./kVA/Month	480	Rs./kVAh	5.15		35,243	584.00	20.30	300.76	16.05	337.11	5.77	100.92%
11	Electric Vehicle Charging Station														
	Electric Vehicle Charging Station	0	-		Rs./kWh	4.50			0.00	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	0.00		
	FPPCA charges												18.73		
	Total	5,14,396						16,95,581	2,826.36	265.44	1,345.16	80.53	1,709.87	6.05	

Electricity Department-Puducherry
TRUE-UP FOR FY 2021-22, APR FOR 2022-23 AND ARR FOR FY 2023-24
Revenue from Tariff for the year FY 2023-24 (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 5%	Total		
			Units	Fixed Charges	Units	Energy Charges									
1	Domestic & Cottage														
	0-100	153272	Rs./kW/Month	30	Rs./kWh	1.90		271582.47	345.39		65.62				
	101-200	112263	Rs./kW/Month	30	Rs./kWh	2.90		198919	219.30		63.60				
	201-300	58760	Rs./kW/Month	30	Rs./kWh	5.00		107805	132.87		66.44				
	> 300	63145	Rs./kW/Month	30	Rs./kWh	6.45		116072	133.38		86.03				
	Total	387440						694377.45	830.94	38.90	281.69	16.03	336.62	4.05	70.82%
2	Life Line Services														
	Life Line Services	8,248	-		Rs./kWh	1.25			3.62	0.00	0.45	0.02	0.47	1.31	22.95%
3	Commercial														
	0-100	10067	Rs./kW/Month	75	Rs./kWh	5.70		26212	4.82		2.75				
	101-250	22091	Rs./kW/Month	75	Rs./kWh	6.75		57517	11.31		7.79				
	> 250	27332	Rs./kW/Month	75	Rs./kWh	7.50		71163	174.12		133.94				
	Total	60868						338889	190.25	31.55	144.48	8.80	184.83	9.71	169.84%
4	Agriculture														
	Small Farmers	62	Rs./Hp/Month	20	-	-		186		0.00	0	0.00	0.00		
	Other Farmers	7047	Rs./Hp/Month	75	-	-		60,419		5.44	0	0.27	5.71		
	Total	7109						60602	62.06	5.44	0.00	0.27	5.71	0.92	16.10%
5	Public Lighting							6481							
	Public lighting	54609	Rs./Pole/Month	110	Rs./kWh	6.80		6481	19.00	6.49	12.92	0.97	20.38	10.73	187.50%
6	LT Industrial & Water Works														
	LT industrial	3571	Rs./kW/Month	50	Rs./kWh	6.05		297382.00	136.05	17.84	82.31	5.01	105.16	7.73	
	Water Tank	922	Rs./Connection/Month	150	Rs./kWh	6.90			43.98	0.01	30.35	1.52	31.88	7.25	
	Total	4493						297382.00	180.03	17.86	112.66	6.53	137.04	7.61	133.08%
7	Temporary Supply-LT & HT														
	Temporary Supply-LT & HT	0	Rs./Connection/Month		Rs./kWh	10.00			5.16	0	5.16	0.26	5.42	10.50	183.57%
8	HT-1							1397730.95	1285.90	100.24	552.19	32.62	685.05	5.33	
	HT Industries (For Supply at 11 kV, 22 kV or 33 kV)	355	Rs./kVA/Month	420	Rs./kVAh	5.30		2,65,341	852.41	133.73	451.78	29.28	614.78		
	HT Commercial (For contract demand up to 5000 kVA)	127	Rs./kVA/Month	420	Rs./kVAh	5.45		33,958	75.00	17.11	40.88	2.90	60.89		
	Total	482						299299	927	150.85	492.65	32.17	675.67	7.29	127.37%
9	HT-2 Others														
	HT-Others	69	Rs./kVA/Month	480	Rs./kVAh	6.35		32,121	72.00	18.50	45.72	3.21	67.43	9.37	163.74%
10	HT-3 EHT							331420	999	169	538	35	743	7.44	
	EHT Industries (For Supply at 110 kV or 132 kV)	10	Rs./kVA/Month	480	Rs./kVAh	5.15		35,243	590.00	20.30	303.85	16.21	340.36		0.00%
11	Electric Vehicle Charging Station														
	Electric Vehicle Charging Station	0	-		Rs./kWh	4.50			0.00	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	0.00		
	Total	5,23,328						17,64,394	2,880.47	289.88	1,399.57	84.47	1,773.93	6.16	

Electricity Department-Puducherry
TRUE-UP FOR FY 2021-22, ANNUAL REVENUE REQUIREMENT FOR FY 2023-24
Revenue from Tariff for the year FY 2023-24(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 10%	Total		
			Units	Fixed Charges	Units	Energy Charges									
1	Domestic & Cottage														
	0-100	153272	Rs./Connection/Month	30	Rs./kWh	2.30		271582.47	345.37		79.44				
	101-200	112263	Rs./Connection/Month	30	Rs./kWh	3.30		198918.67	219.30		72.37				
	201-300	58760	Rs./Connection/Month	30	Rs./kWh	5.45		107804.77	132.87		72.41				
	> 300	63145	Rs./Connection/Month	30	Rs./kWh	6.85		116071.55	133.38		91.37				
	Total	387440						694377	830.92	38.90	315.58	35.45	389.93	4.69	82.04%
2	Life Line Services														
	Life Line Services	8,248	-		Rs./kWh	2.50			3.62	0.00	0.90	0.09	0.99	2.75	48.08%
3	Commercial														
	0-100	10067	Rs./kW/Month	75	Rs./kWh	6.00		26212	4.82		2.89				
	101-250	22091	Rs./kW/Month	75	Rs./kWh	6.85		57517	11.31		7.75				
	> 250	27332	Rs./kW/Month	75	Rs./kWh	7.60		71163	174.12		132.33				
	Total	59490						154893	190.25	31.55	142.97	17.45	191.97	10.09	176.41%
4	Agriculture														
	Small Farmers	62	Rs./Hp/Month	20	-	-		186		0.00	0	0.00	0.00		
	Other Farmers	7047	Rs./Hp/Month	75	-	-		60,419		5.44	0	0.54	5.98		
	Total	7109						60605	62.06	5.44	0.00	0.54	5.99	0.96	16.86%
5	Public Lighting							6481							
	Public lighting	54609	Rs./Pole/Month	110	Rs./kWh	6.80			19.00	6.49	12.92	1.94	21.35	11.24	196.43%
6	LT Industrial & Water Works														
	LT industrial	3571	Rs./kW/Month	50	Rs./kWh	6.05		297382.00	136.05	17.84	82.31	10.02	110.17	8.10	
	Water Tank	922	Rs./Connection/Month	150	Rs./kWh	6.90			43.98	0.17	30.35	3.05	33.56	7.63	
	Total	4493						297382	180.03	18.01	112.66	13.07	143.73	7.98	139.58%
7	Temporary Supply-LT & HT														
	Temporary Supply-LT & HT		Rs./Connection/Month		Rs./kWh	10.00			5.16	0	5.16	0.52	5.68	11.00	192.31%
8	HT-1								1291.04	100.39	590.19	69.06	759.64	5.88	
	HT Industries (For Supply at 11 kV, 22 kV or 33 kV)	355	Rs./kVA/Month	420	Rs./kVAh	5.45		2,67,341	852.41	134.74	464.56	59.93	659.23		
	HT Commercial (For contract demand up to 5000 kVA)	127	Rs./kVA/Month	420	Rs./kVAh	5.60		34,258	75.00	17.27	42.00	5.93	65.19		
	Total	482						301599	927	152.01	506.56	65.86	724.43	7.81	136.56%
9	HT-2 Others														
	HT-Others	69	Rs./kVA/Month	480	Rs./kVAh	6.35		32,201	72.00	18.55	45.72	6.43	70.69	9.82	171.66%
10	HT-3 EHT							3,33,800	999	171	552	72	795	7.96	
	EHT Industries (For Supply at 110 kV or 132 kV)	10	Rs./kVA/Month	480	Rs./kVAh	5.30		35,243	590.00	20.30	312.70	33.30	366.30	6.21	108.54%
11	Electric Vehicle Charging Station								1589.41	190.85	864.98	105.58	1161.42		
	Electric Vehicle Charging Station	0	-		Rs./kWh	4.50			0.00	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	0.00		
	Total	5,21,950							2,880.45	291.24	1,455.18	174.64	1,921.06	6.67	

Electricity Department-Puducherry
TRUE-UP FOR FY 2021-22, ANNUAL REVENUE REQUIREMENT FOR
FY 2023-24

Intra State Transmission Charges

S. No.	Particulars	Previous Year			Current Year			Control Period								
		Actual			Estimated			Projections								
								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)	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Electricity Department-Puducherry
TRUE-UP FOR FY 2021-22, ANNUAL REVENUE REQUIREMENT FOR
FY 2023-24

Inter State Transmission Charges

S. No.	Lines/ Links/ region	Previous Year			Current Year			Ensuing Year		
		Actual			Estimated			Projections		
		FY 2021-22			FY 2022-23			FY 2023-24		
		Annual Tariff (₹ crore)	Share		Annual Tariff (₹ crore)	Share		Annual Tariff (₹ crore)	Share	
			Percentage	Charges payable (₹ crore)		Percentage	Charges payable (₹ crore)		Percentage	Charges payable (₹ crore)
A	Region									
B	PoC Charges applicable to the territory as per CERC Regulations									
C	Others									
D	Total			173.29			242.36			209.72

Electricity Department-Puducherry

TRUE-UP FOR FY 2021-22, ANNUAL REVENUE REQUIREMENT FOR FY 2023-24

Details of Charges for Deviation

	FY 2021-22						FY 2022-23					
Month	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	3.49	5.74			0.25		3.34	8.93			0.00	
May	2.37	10.86			1.89		3.43	11.05			0.00	
June	2.84	8.25			0.95		3.17	9.15			0.00	
July	3.25	7.83			0.86		3.92	10.46			0.00	
August	4.15	9.06			1.07		3.61	8.85				
September	2.78	8.47			1.40		3.00	10.33				
October	2.41	10.03			3.34							
November	2.76	16.47			2.31							
December	1.89	12.44			2.54							
January	2.90	11.13			2.18							
February	2.12	7.53			1.74							
March	2.21	9.91			4.10							
Total	33.18	117.71			22.63	0.00	20.48	58.76	0.00	0.00	0.00	

UNAUDITED FINANCIAL STATEMENTS FOR FY 2021-22

PUDUCHERRY ELECTRICITY DEPARTMENT			
BALANCE SHEET AS ON 31st March, 2022 (UNAUDITED)			
PARTICULARS	SCHEDULE No.	As at 31.03.2022	As at 31.03.2021
SOURCES OF FUNDS			
(1) Owner's Funds			
Government Fund		16,024,364,387	17,501,352,546
(2) Loan Funds			
Secured Loans		-	-
Unsecured Loans	1	900,181,352	869,975,926
(3) Long Term Liabilities	2	151,587,037	145,399,811
TOTAL		17,076,132,776	18,516,728,283
APPLICATION OF FUNDS			
(1) Fixed Assets			
(a) Gross Block	3	10,295,284,889	9,546,330,453
(b) Less : Accumulated Depreciation		4,784,842,487	4,546,795,277
(c) Net Block		5,510,442,401	4,999,535,176
(d) Capital Work in Progress		597,152,441	785,166,280
(e) Capital Advances		-	-
(2) Current Assets Loans & Advances			
(a) Inventories		350,608,980	359,529,706
(b) Sundry Debtors	4	9,908,915,412	12,562,771,777
(c) Cash and Bank Balances	5	238,674,492	293,067,225
(d) Loans and Advances	6	342,609,798	307,837,621
		10,840,808,681	13,523,206,330
Less: Current Liabilities and Provisions	7	6,918,274,946	8,591,548,174
NET CURRENT ASSETS		3,922,533,735	4,931,658,155
Profit & Loss Account		7,046,004,199	7,800,368,672
TOTAL		17,076,132,776	18,516,728,283
Significant Accounting Policies and Notes to Accounts	14	-	-

PUDUCHERRY ELECTRICITY DEPARTMENT			
PROFIT AND LOSS ACCOUNT FOR THE PERIOD ENDED 31st March 2022 (UNAUDITED)			
PARTICULARS	SCH. No.	Year Ended 31st March, 2022	Year Ended 31st March, 2021
INCOME			
Revenue from Sale of Power [Refer Note 3 of Part A of Notes to Accounts]	8	16,402,383,375	14,098,553,228
Revenue from Sale of Power- BPSC		732,135,257	238,430,853
Revenue from other services related to sale of power	9	573,844,345	133,197,982
Other Income	10	41,273,915	33,990,801
TOTAL INCOME		17,749,636,893	14,504,172,864
EXPENDITURE			
Purchase of Power		14,596,208,233	12,410,874,331
[Includes an amount of Rs.2.90 Crores for power purchased prior to 2021-22 but invoices received in 2021-22 explained in Notes 3(B) of Part B of Notes to Accounts]			
Power Purchase Prior Period		-	-
Employee Costs	11	1,405,809,861	1,145,315,858
Repair & Maintenance Expenses		155,606,872	112,949,724
Administration and General Expenses	12	142,271,559	171,310,367
Other Expenses		4,424,680	1,636,770
Depreciation		238,047,210	228,893,121
Interest and Finance Charges	13	452,904,006	516,026,504
Prior Period Item		-	-
TOTAL EXPENDITURE		16,995,272,420	14,587,006,675
Net Profit / (Loss) before prior period adjustments		754,364,472	(82,833,811)
Net Prior Period Credits / (Charges)		-	-
Profit / (Loss) before Extraordinary Items		754,364,472	(82,833,811)
Less : Extraordinary Items		-	-
Profit / (Loss) before Tax		754,364,472	(82,833,811)
Less : Provision for Tax		-	-
Profit / (Loss) After Tax		754,364,472	(82,833,811)
Profit / (Loss) brought forward from previous year		(7,800,368,672)	(7,717,534,861)
Balance carried to Balance Sheet		(7,046,004,199)	(7,800,368,672)

Puducherry Electricity Department		
CASH FLOW STATEMENT FOR THE YEAR ENDED March 31, 2022 (UNAUDITED)		
Particulars	As on 31-03-2022	As on 31-03-2021
A. Cash flow from operating activities		
Net profit / (loss) before tax	754,364,472	(82,833,811)
Adjustment for :		
Depreciation	238,047,210	228,893,121
Interest Income	(11,281,336)	(14,477,666)
Interest Expenses / Financial Charges	428,913,724	483,993,748
Prior period adjustment	-	-
Operating profit / (loss) before working capital changes	1,410,044,070	615,575,392
Changes in Working Capital		
(Increase) / Decrease in Inventories	8,920,726	72,240,954
(Increase) / Decrease in Debtors	2,653,856,366	(1,473,920,484)
(Increase) / Decrease in Loans & Advances	(34,772,177)	(55,628,100)
Increase / (Decrease) in Trade Payables & Provisions	(1,673,273,228)	(2,452,140,414)
Cash generated from operations	2,364,775,757	(3,293,872,651)
Less: Direct taxes paid		
- Income Tax	-	-
- Fringe Benefit Tax	-	-
- Wealth Tax	-	-
Net cash from operating activities	2,364,775,757	(3,293,872,651)
B. Cash flow from investing activities		
(Increase) / Decrease in Fixed Assets	(748,954,436)	(903,435,575)
(Increase) / Decrease in Capital WIP	188,013,839	506,794,781
Interest received	11,281,336	14,477,666
Net cash from investing activities	(549,659,260)	(382,163,128)
C. Cash flow from financing activities		
Increase in Government Fund	(1,476,988,159)	4,009,801,862
Increase in Long term loan from PFC	(126,840,501)	-
Increase in New Long term loan from PFC	157,045,619	6,980,000
Increase in Long term loan from DDUGJY	308	25,244,497
Increase in Long term loan from SMARTGRID	-	-
Increase in Long term loan from PSDF	-	-
Increase in Long term loan from IPDS	-	77,960,000
Increase in Long term Liabilities	6,187,226	(40,216,969)
Increase in Calamity relief fund	-	-
Repayment of finance lease	-	-
Interest and Finance Charges	(428,913,724)	(483,993,748)
Net cash flow from financing activities	(1,869,509,231)	3,595,775,642
Net increase/(decrease) in cash and cash equivalents (A+B+C)	(54,392,733)	(80,260,137)
Opening Balance of Cash and Cash Equivalents	293,067,225	373,327,362
Closing Balance of Cash and Cash Equivalents	238,674,492	293,067,225
Actual Cash & Bank Balance	238,674,492	293,067,225
Difference	-	-

SCHEDULES FORMING PART OF THE FINANCIAL STATEMENT		
SCHEDULE - 1 UNSECURED LOANS		
Sr./ Particulars	As at 31.03.2022	As at 31.03.2021
Unsecured Loan from PFC for Part A of R-APDRP 1 [Refer Note 4 of Part B of Notes to Accounts]	117,999,499	244,840,000
Unsecured Loan from PFC for Part B of R-APDRP 2 [Refer Note 6 of Part B of Notes to Accounts]	588,966,522	431,920,903
Unsecured Loan from REC for DDUGJY [Refer Note 3 7 of Part B of Notes to Accounts]	66,555,331	66,555,023
Grant from Central Government for SMARTGRID 4 [Refer Note 8 of Part B of Notes to Accounts]	-	-
5 Loan for PSDF	9,500,000	9,500,000
Loan from PFC for IPDS [Refer Note 2 (e), 5 & 9 of 6 Part B of Notes to Accounts]	117,160,000	117,160,000
TOTAL	900,181,352	869,975,926
SCHEDULE - 2 LONG TERM LIABILITIES		
Sr./ Particulars	As at 31.03.2022	As at 31.03.2021
1 Dongfeng Electronics Co. Ltd China	151,587,037	145,399,811
TOTAL	151,587,037	145,399,811
SCHEDULE - 4 SUNDRY DEBTORS		
Sr./ Particulars	As at 31.03.2022	As at 31.03.2021
1 Sundry Debtors for Sale of Power [Refer Note 15 of Part B of Notes to Accounts]	8,760,052,603	11,526,487,742
2 UI Charges receivable	4,886,761	453,444
3 Receivable from Other Department for Sale of materials	4,385,953	1,862,045
4 Unbilled Debtors	1,139,590,094	1,033,968,547
TOTAL	9,908,915,412	12,562,771,777

SCHEDULE - 5
CASH & BANK BALANCES

Sr. Particulars	As at 31.03.2022	As at 31.03.2021
1 Cash in hand	11,112	1,464,941
2 Cheques in hand	-	-
3 Margin money with Bank	188,231,264	169,661,222
4 Balance with SBI (RAPDRP)	18,265,807	25,449,737
5 Balance with SBI (DDUGJY)	18,230,618	57,986,089
6 Balance with SBI (SMARTGRID)	19,815	35,458,364
7 Balance with SBI (PSDF 1)	3,430	1,104,079
8 Balance with SBI (PSDF 2)	3,842,626	-
9 Balance with SBI (IPDS)	967,181	1,236,657
10 Balance with SBI (GST Payment)	4,170,975	-
11 Balance with UDC (GST Payment)	4,075,001	-
12 TDS Receivable	856,664	706,137
TOTAL	238,674,492	293,067,225

SCHEDULES FORMING PART OF THE FINANCIAL STATEMENT

SCHEDULE - 6
LOANS & ADVANCES

Sr. Particulars	As at 31.03.2022	As at 31.03.2021
1 Other Income receivable	-	-
2 Lease advances	-	-
3 Advances to Creditors	119,737,505.66	-
4 Tariff Subsidy receivable	222,872,292	307,837,621
5 Prepaid Expenses	-	-
TOTAL	342,609,798	307,837,621

SCHEDULE - 7
CURRENT LIABILITIES & PROVISIONS

Sr. Particulars	As at 31.03.2022	As at 31.03.2021
1 Consumer Deposits [Refer Note 11 of Part B of Notes to Accounts]	2,574,378,044	2,469,903,423
2 Consumer Contribution for Deposit Works	474,090,771	453,178,140
3 Sundry Creditors for power purchase	970,758,405	3,253,728,190
4 Interest Payable	1,307,173,010	1,197,619,843
5 Other Liabilities	110,375,794	79,620,930
6 Vendor/Contractor Deposits	161,308,675	159,108,256
7 Provision for Power Purchase	1,172,013,183	895,052,379
8 Provision for Other Expenses	168,496,806	89,278,122
9 Creditors/Provision for Major Work	18,254,762	32,987,311
10 GST/ Sales Tax Payable [Refer Note 13 of Part B of Notes to Accounts]	(38,574,504)	(39,688,869)
11 UI Charges Payable	-	760,450
TOTAL	6,918,274,946	8,591,548,174

SCHEDULE - 3

Fixed Assets Schedule - 2021-22	
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[illegible]

Fixed Assets Schedule - 2021-22																
														(Rs. In Lakhs)		
		Gross Block					Depreciation							Net Block		
Assets group number	Assets group description	Opening balance*	Adjustment of Previous Year	Additions during the period	Deductions during the year	Cost at the end of the year	Opening balance	Adjustment of Previous Year	Depreciation on Opening Balance	Depreciation on additions during the period	Depreciation for the year	Depreciation On Deductions during the year	Total at the end of the year	At the end of current year	Adjustment of Previous Year	At the end of previous year
	Sub Station and Others	213.39		0.57	-	213.96	186.14	-	2.07	-	2.07	-	188.21	25.75		27.25
9	Testing &Measuring Equipments															
	Sub Station and Others	331.49		0.00	-	331.50	281.03	-	3.50		3.50	-	284.53	46.97	-	50.46
10	SCADA Centre															
	Sub Station and Others	3,587.05		538.17	-	4,125.22	2,573.15		50.31	-	50.31	-	2,623.46	1,501.76		1,013.90
11	Smartgrid Pilot Project															
	Sub Station and Others	3,796.70	-	-	-	3,796.70	175.03	-	140.96		140.96	-	315.99	3,480.71		3,621.67
	Total	95,463.30	-	7,489.54	-	102,952.85	45,467.96	(0.77)	2,381.24	-	2,380.47	-	47,848.43	55,104.42	-	49,995.34

SCHEDULES FORMING PART OF THE FINANCIAL STATEMENT

**SCHEDULE - 8
REVENUE FROM SALE OF POWER**

Sr.No. Particulars	Year Ended 31st March 2022	Year Ended 31st March 2021
1 LT Consumers	5,221,971,106	4,537,360,814
2 HT Consumers	9,996,922,836	8,768,482,352
3 Street Light Charges	197,837,802	215,344,091
4 Agriculture	42,672,738	34,404,327
5 Tariff Subsidy on Sale of Power	22,361,933	29,078,425
6 Surcharge	788,656,802	545,977,095
7 FPPCA charges	-	-
8 Export to Other Region	-	34,227,530
9 Less: Incentives to consumers (net of Penal charges)	(26,338,611)	247,831,639
10 Less: GST	-	622,144
	16,296,761,828	13,916,420,851
Add Un-billed revenue as at the end of the year [Refer Note 17 (a) of Part B of Notes to Accounts]	1,139,590,094	1,033,968,547
Less Un-billed revenue as at the beginning of the year	1,033,968,547	851,836,170
Revenue from Sale of Power	16,402,383,375	14,098,553,228
	16,402,383,375	14,098,553,228

**SCHEDULE - 9
REVENUE FROM OTHER SERVICES RELATED TO SALE OF POWER**

Sr.No. Particulars	Year Ended 31st March 2022	Year Ended 31st March 2021
1 Open Access Income	-	-
2 URS Income	274,870,106	700,010
3 UI/DSM Charges	235,588,860	118,081,868
4 RARS Charges	63,385,380	14,416,104
TOTAL	573,844,345	133,197,982

**SCHEDULE - 10
OTHER INCOME**

Sr.No. Particulars	Year Ended 31st March 2022	Year Ended 31st March 2021
1 Sale of Trading Materials	4,988,827	1,845,458
2 Interest Income on Margin Money Deposit with Bank	11,281,336	14,477,666
3 Other receipts	25,003,752	17,667,678
TOTAL	41,273,915	33,990,801

**SCHEDULE - 11
EMPLOYEE COSTS**

Sr.No. Particulars	Year Ended 31st March 2022	Year Ended 31st March 2021
1 Salary	1,551,984,124	1,285,286,854
2 Wages	8,231,756	7,972,000
3 Stipend	7,191,000	5,284,000
4 Overtime Payment	5,968,849	-
	<u>1,573,375,729</u>	<u>1,298,542,854</u>
Less Departmental Charges	5,292,675	4,497,891
Salary Costs Capitalized [Refer Note 20 of Part B of Notes Less to Accounts]	162,273,193	148,729,105
TOTAL	1,405,809,861	1,145,315,858

SCHEDULES FORMING PART OF THE FINANCIAL STATEMENT

**SCHEDULE - 12
ADMINISTRATION & GENERAL EXPENSES**

Sr.No. Particulars	Year Ended 31st March 2022	Year Ended 31st March 2021
1 Office Expenses	24,097,110	21,053,604
2 Other Miscellaneous Expenses	79,209,640	85,747,304
3 EESL charges	38,964,809	64,509,459
TOTAL	142,271,559	171,310,367

**SCHEDULE - 13
INTEREST AND FINANCE CHARGES**

Sr.No. Particulars	Year Ended 31st March 2022	Year Ended 31st March 2021
1 Interest Charges	428,913,724	483,993,748
2 Bank Charges	23,990,282	32,032,756
TOTAL	452,904,006	516,026,504

SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO ACCOUNTS FORMING PART OF THE FINANCIAL STATEMENTS FOR THE YEAR ENDED MARCH 31, 2022

(1) Background

Puducherry Electricity Department (EDP) is a part of the Government of Puducherry. It is responsible for distribution and supply of electricity in Puducherry, Karaikal, Mahe and Yanam regions of the Union Territory of Puducherry. EDP is governed by the Electricity Act 2003, as a deemed licensee.

After the enactment of The Electricity Act 2003, it is mandatory for all electricity utilities to file their Annual Revenue Requirement and Tariff Proposal in the form of a petition before the respective State Electricity Regulatory Commission. The Commission after hearing all the stake holders, issues an appropriate order on the ARR and Tariff Proposal. The Department had filed its first proposal for tariff fixation/revision for the year 2009-10 and a Tariff Order was passed in February 2010.

Being a Government Department, the EDP maintained its books of accounts as per the Government system of accounting, which essentially is cash based and to some extent a partial system of single and double entry accounting. In other words, as typical to any other entity that maintains its accounts based on a commercial accounting system, the EDP did not prepare its Profit & Loss Account, Balance Sheet, and Cash Flow Statement at the end of the year. Further since there was no concept of Balance Sheet, the fixed assets were not capitalized, and fixed assets records were not kept in the manner required as in the case of any commercial organization.

In the Tariff Order, which was passed in February 2010, the JERC had given a directive to the EDP that it must prepare separate Financial Statements and get the same audited. The Department was directed to prepare Accounting Statements which includes Balance Sheet, Profit and Loss Account, Cash Flow Statement, Auditor's Report, etc., together with notes and such other supporting statements and submit the same along with the next ARR and Tariff Petition.

To comply with the directive given by JERC, annual accounts on an accrual basis were first prepared by the EDP for the financial year 2009-10 followed in subsequent years. The said annual accounts for these two years are accompanied by a detailed methodology on how the opening balance sheet was prepared as on 31st March 2009. The accrual-based accounts were accompanied by a detailed asset register and depreciation register. These registers were prepared based on physical verification of the assets and ascertained their current condition and use.

EDP continues to be a department of the Government of Puducherry and therefore needs to continue to maintain its base books of accounts as per the Government system of accounting. This would continue to be the case, till such a time the EDP is

corporatized into a separate entity under the Companies Act 2013. Therefore, the Financial Statements attached as a part of this ARR petition have been prepared solely for the purposes of complying with the JERC's directives and must be read and interpreted in that context.

The paragraphs below outline the methodology adopted for the preparation of the Financial Statements. As indicated above, the base records continue to be the cash-based Government system of accounting and books of account maintained therein. Necessary adjustments have been carried out to the base amounts indicated in the Government system of accounts to arrive at the Profit and Loss Account, Balance Sheet, and Cash Flow Statement for the financial year 2021-22. This will continue to be done till such a time the corporatization of the EDP is carried out. At that point in time, the corporatized entity will migrate to maintain its basic books of accounts also on an accrual basis.

(2) Basis of the Financial Statements

The Department prepares its annual receipts and expenditure statement on a cash basis, which is audited by the state unit of the Comptroller and Auditor General. These audited amounts are compiled across all departments by the Department of Treasury, Government of Puducherry and the Audited State Annual Accounts of the Government of Puducherry are prepared and published. On its part, the Electricity Department reconciles its annual receipts and expenditure statements (called as financial progress statements) with the Department of Treasury. Since the published Audited State Annual Accounts are prepared for the State as whole (taking all departments across the Government), some of the account heads and amounts pertaining to the Electricity Department are rolled up at a higher level. However, the financial progress statements (duly reconciled with the Department of treasury) contain details of all the account heads used by the Electricity Department. Thus, it may be noted that the detailed head wise amounts as per the financial progress statements (which are on cash basis) are duly reconciled with the Department of Treasury and form part of published Audited State Annual Accounts by the CAG of India.

The above duly reconciled figures on a cash basis have formed the base documents for the compilation of the financial statements. The amounts reported in these financial progress statements are adjusted to reflect the accrual basis of accounting and other adjustments required for conforming to Generally Accepted Accounting Principles have been made based on a detailed review and scrutiny of the cash-based accounts by the EDP.

The annual accounts have been prepared on an accrual basis and Financial Statements have been prepared taking the format as used by EDP in the previous year. It may be noted that the EDP is not a company incorporated under the Companies Act 1956 / Companies Act 2013, and therefore is not necessarily required to adopt the new Schedule VI format.

It may be noted that for the financial year 2021-22, the State Accounts were not published till the date of preparation of these accruals based financial statements of the EDP. Hence, differences (if any) between the State Accounts and these accruals based financial statements will be considered as and when the State Accounts are available.

(3) Revenue Recognition

Revenue from the sale of power is accounted on an accrual basis. The sale of power is as per the tariff fixed by the concerned authority. Revenue is accounted for on the basis of demand bills raised on the consumers of the Union Territory of Puducherry. Revenue for the year is also adjusted for the unbilled revenue of the previous year and current year on an estimated basis. Revenue from sale of power is recognized net of GST/value added tax.

(4) Fixed Assets

All Fixed Assets are stated at cost less accumulated depreciation. The cost of fixed assets includes the cost incurred/money spent in acquiring or installing or constructing fixed assets, and the salary cost of the employees who are deployed on the project / work.

Any addition to or improvement to the fixed asset that results in increasing the utility or useful life of the asset is capitalized and included in the cost of the fixed asset.

Any Fixed Asset, which has been acquired free of cost or in respect of which no payment has been made, is recorded at NIL value. Cost of land improvements such as leveling, filling or any other developmental activity, if any, is capitalized as a part of the cost of building.

Transmission network assets (Sub Stations and transmission lines) and Distribution network assets are capitalized in the year of commissioning. Storage charges at 2.5% of material costs and supervision charges at 17% of total costs are capitalized as overhead allocations.

Fixed Assets are eliminated from the financial statement, either on disposal or on retirement from active use or on becoming redundant. Generally, such assets are disposed of thereafter as per the policy of the department.

(5) Depreciation

The CERC has notified the rates of depreciation on fixed assets with effect from 01.04.2009 as per Notification No. L-7/145/160/2008-CERC dated 19.01.2009 further revised as per Tariff order for FY 2020-21 vide petition no. 20/2019 dated 18.05.2020 and the same have been adopted by the department in calculating the depreciation on fixed assets.

Based on the above, the depreciation is calculated at following rates:

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

Depreciation is calculated annually at the above rates based on straight-line method on historical cost. After the residual value of the asset reaches 10% of the original cost, depreciation is not charged on this residual value.

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

(6) Capital Work in Progress

Materials issued to Capital Works in progress are valued at a cost. Capital Work in Progress includes the stock of material received under Direct Debit to works as well as material at site and proportionate storage and supervision charges on the material issued for the works. The sub-station related assets are capitalized in the year of commissioning.

In case where CWIP work on a project spans multiple years, the development/ construction of an item of Fixed Asset is ongoing as on the end of the year. In such cases, the salary cost of the employees deployed in the Project/ Work, if any, shall be added to the CWIP in the respective year in which such salary costs were incurred, and these shall be capitalized along with the item of Fixed Asset in the subsequent accounting period in which the item of Fixed Asset is fully developed/ constructed and is available for use.

(7) Inventory

Inventories, stores, and spares are valued at cost, which is determined based on Weighted Average. Inventories issued to the Sections under various Schemes/Work/ Project are considered as consumed at the time of issue. The closing inventory as on year end with the sections is added back to the inventory by reversing the consumption.

(8) Salary Costs and Retirement Benefits

Salary and other costs (other than retirement benefits) are recognized on an accrual basis. The retirement benefits other than Pension are recognized on 'Pay as You Go' basis. Pension payments are managed by the Government, so the department does not account for the same in the accounts.

(9) Provision for Bad and Doubtful debts

No provision for bad and doubtful debts has been made in the accounts. The management will decide on the policy for provisioning for bad and doubtful debts and accordingly give effect of the same. Looking at the huge amount of outstanding balances of sundry debtors/receivables, management must take reconciliation exercise at the earliest as well as also decide in policy for provision of bad and doubtful debts.

(10) Consumer Contribution

Contribution received from consumers towards assets/ works is disclosed as liabilities till year end under Consumer Deposit Head.

(11) Power Purchase

Power purchase costs are accounted based on the total number of units purchased during the year from the Power Generators allocated to EDP by the Ministry of Power, Government of India. Apart from the power units purchased from Power Generators, Power Purchase Cost also includes transmission and wheeling charges paid to companies like Power Grid Corporation of India Ltd. The Power Purchase Cost is net of rebate received on account of advance and/ or prompt payments made by the department.

All invoices, revision invoices, debit notes and credit notes received from Power Suppliers (i.e., Power Generating / Power Transmission / Power Wheeling Companies) are accounted for in the financial year in which they are received by EDP. Some of the invoices, revision invoices, debits notes, and credit notes contain charges (or credit) pertaining to Power Purchased by the EDP relate to prior years. This happens because of time lag between Power Purchase and orders passed by the respective regulatory commissions (governing the respective power suppliers) or due to the time lag between Power Purchase and refunds / liabilities arising to the power supplier on account of tax assessments, etc., which must be recovered from the EDP or refunded to the EDP.

(12) Use of Estimates

The preparation of financial statements requires the management of the department to make estimates and assumptions that affect the reported balance of assets and liabilities, revenues and expenses and disclosures relating to the contingent liabilities. The management believes that the estimates used in the preparation of the financial statements are prudent and reasonable. Future results could differ from these

estimates. Any revision to accounting estimates is recognized prospectively in the current and future periods. Examples of such estimates include unbilled revenue etc.

(13) Bank Charges

Bank charges are accounted for on a payment basis.

(14) Prior Period Items

Any expenditure that belongs to the period prior to the Financial Year for which books of accounts have been prepared, are adjusted under the head "Prior Period Items".

PART B: NOTES FORMING PART OF ACCOUNTS

(1) The cash-based Financial Progress Statement (duly reconciled with Department of Accounts and Treasury) forms the basis of preparation of financial statements. Appropriate adjustments are made to it for converting the cash-based statement to accrual-based accounts. The adjustments include provision for outstanding liabilities, accruing receivables, accounting for unbilled revenue, accounting for loans and advances, capitalization of expenditure etc.

(2) Contingent Liabilities:

(a) Details of Unexpired Letters of Credit (L/Cs) are as follows:

Name of the Generating Station	Value of the L/C As on 31.03.2022 (Rs.)	Period of LC
KAIGA	8,50,00,000	10.10.2021 TO 30.06.2022
NLC INDIA LTD	23,75,55,510	20.01.2022 TO 30.06.2022
NPCIL MAPS	71,00,000	12.10.2020 TO 11.10.2021
NTECL	10,27,00,000	01.07.2021 TO 30.06.2022
NTPC	44,04,94,764	03.01.2022 TO 30.06.2022
PGCIL	13,66,20,523	07.11.2021 TO 05.09.2022
KKNPP	16,21,00,000	19.06.2021 TO 18.06.2022
NNTPP	7,42,00,000	01.07.2021 TO 30.06.2022
NTPL	5,24,00,000	22.03.2022 TO 30.06.2022
Total	1,29,81,70,797	

(b) Contingent Liability Related to Power Purchased from Pondicherry Power Corporation Ltd. (PPCL):

During the year 2011-12, the Puducherry Power Corporation Ltd. (PPCL) demanded a surcharge of Rs. 26.52 Crores for outstanding amount not paid to it by EDP which is under dispute.

(c) Contingent Liability Related to revision of lignite price on power purchase from Tamil Nadu Electricity Board (TNEB):

PED has received a letter from TNEB (now TANGEDCO) No. Lr. No. CFC/REV/FC/REV/AO/REV/D.396/21, Dt. 18.06.2021 in which they have claimed Rs. 34. 71 crores receivable from PED. The details of the same are as under:

(Rs. In Crore)				
Description	CC Charges due to revision of tariff rate	BPSC	Audit Amount	Total Amt.

Payable to TNEB	50.18	30.49	2.12	82.79
Receivable from TNEB	34.68	13.41	0	48.09
Net Payable to TNEB				34.71

(d) Contingent Liability relating to pending electrocution cases.

A total of 13 cases pertaining to electrocution are currently pending decision in Local Court and High Courts respectively as on 31st March 2022.

(3) Power Purchase Cost

(A) Power Purchase invoices, revision invoices, debit and credit notes have been received from Power Suppliers (i.e., Power Generating, Transmission & Wheeling companies) in the financial year 2021-22 which include charges/ credit pertaining to power purchased by the EDP in prior financial years. These invoices were raised in the year 2021-22 because of the orders passed by the respective regulatory commissions governing the respective Power Suppliers or due to the refunds / liabilities arising to the Power Suppliers on account of tax assessments, etc., which have to be recovered from (or credited to) the EDP.

(B) The Power Suppliers from whom such invoices, revision invoices, debit and credit notes were received in 2021-22 are as follows:

Value of Invoices/Debit Notes/Credit Notes received in Current Financial Year but pertain to Power Purchased by the EDP in Prior Financial Years	
Power Supplier	Rs. in Crores
NTPC	(0.89)
NLC	0.43
PGCIL	5.76
KAIGA	(2.32)
MAPS	0.09
NTECL	(0.13)
Kundamkulam	(0.0076)
NTPL	(0.037)
TOTAL	2.90

The above figure of Rs. 2.90 Crores has been shown as an explanatory note on the face of Profit & Loss Account below the heading of "Purchase of Power".

(C) Total Late Payment Surcharge paid to the Power Suppliers Agencies in 2020-21 are as follows:

Late Payment Surcharge paid to Agencies
--

Power Supplier	Rs. in Crores
NLC	8.12
PGCIL	0.03
MAPS	0.38
KIAGA	4.50
KUNDAKULAM	9.00
NTECL	0.50
NTPL	0.83
NTPC	1.64
NNTPS	0.00
KSEB	0.00
SRLDC (POSOCO)	0.00
TOTAL	25.01

The above figure of Interest has been charged by the Power purchase agencies, however while making payment to agencies PED has not considered the Late Payment Charges levied by Agencies.

(4) During the year EDP has made provision of interest @ 11.50% (as per Terms & Conditions prescribed by PFC) on the amount of Rs. 24.48 Crores under the R-APDRP (Restructured Accelerated Power Development Reforms Project) scheme. The scheme involves grant of loan from Government of India [through the nodal agency i.e., Power Finance Corporation (PFC)] to the Union Territory of Puducherry.

(5) EDP has received Rs. 0.63 Crores under Part B of the R-APDRP (Restructured Accelerated Power Development Reforms Project) scheme. The amount was received during FY 2021-22. The same has been shown in the accounts as Loan received from PFC for R-APDRP Part B.

(6) EDP has received Rs. 1.20 Crores (Rs. 1.20 as Grant) under the Deen Dayal Upadhyaya Gram Jothi Yojana (DDUGJY) scheme in FY 2021-22 for providing reliable and quality power supply to all villages and reduction of line losses.

(7) EDP has Not received any amount under the SMARTGRID Pilot Project from the Government of India, Ministry of Power. The amount received was considered as a Grant and transferred to the Government Fund Balance.

(8) EDP has received Rs. 0.19 Crore under the IPDS Scheme from the Government of India, Ministry of Power. The amount was received during FY 2021-22.

(9) EDP has received Rs. 0.70 Crore under the PSDF Part A Scheme and Rs. 0.37 Crore under PSDF Part B from the Government of India, Ministry of Power. The amount was received during FY 2021-22.

(10) Investment in Puducherry Power Corporation Limited, a power generating company, is in the name of the Government of India; however, the related shares are in the custody of EDP. EDP acts as the custodian of the shares. Hence, these shares are not considered as an investment of the EDP.

(11) Consumers provide security deposits either in the form of cash or FDR or Bank Guarantee. From FY 2012-13 onwards, as per JERC's direction EDP has opened a separate head of account for SD/ASD/MSD collected from Consumers under 8336 – Civil Deposits -101 – Security Deposits on which interest will be provided to consumers as per JERC directions. As per the directives issued by JERC in its Tariff Order dated 16th June 2012, EDP is required to pay / provide interest on the deposits taken from the consumers. Accordingly, as per Tariff Order issued by JERC, EDP has made provision for the interest of Rs. 11.73 Crores in the accounts during the year 2021-22. The department is in the process of reconciling the deposit account to ascertain the actual liability toward the security deposit and further provision will be made once the liability is determined.

(12) The Department has made an interest payment of Rs. 6.92 Crores during the year 2021-22 towards interest payable on deposits taken from consumers. The same has been accordingly adjusted from the figure for interest payable on consumer deposits.

(13) Department is having Saving Account with Account No. 037878506037 for the payment of GST. It was observed that all the revenue divisions of the department were depositing the GST amount collected during the year in the same account for the payment of GST, whereas no amount has been paid to the GST department. Further, it was observed that one employee of a department having UDC designation has transferred total Rs. 45.75 Lakhs till 31.03.2022 and Rs. 10.00 Lakhs during FY 2022-23 in his personal account. The department has filed a FIR for embezzlement of the cash. The year wise summary of the amount transferred are tabulated as under:

(Amt. in Lakhs)

Financial Year	Amount Transferred
2019-20	5.00
2020-21	23.75
2021-22	17.00
2022-23	10.00
Total	55.75

s

(14) The provisions of section 194Q, of the Income Tax Act, 1961 relating to TDS on purchase of goods shall not be applicable for the EDP. (CBDT Circular No 13 dated 30th June 2021)

(15) The amount shown under Sundry Debtors is subject to reconciliation.

The Sundry Debtors outstanding are calculated based on the following formula: Opening Balance + Billing for the Year – Collection during the Year. For the year ending 31st March 2022, the balance of Sundry Debtors (billed) in the Financial Statements is Rs. 886.59 Crores which includes the debtors of Rs. 47.70 Crores of TNEB (refer Note 18 of Part B). According to the billing system of the department, the number of Sundry Debtors is Rs. 718.36 Crores as on 31.03.2022. Hence sundry debtors of Rs. 120.53 Crores (886.59-47.70-718.36) are un-reconciled as on 31.03.2022.

During FY 2021-22, the department has received Rs. 440.00 crore from the Government to settle the outstanding dues from Government entities.

(16) The amount shown under Inventory is subject to reconciliation.

The closing balance of inventory is calculated based on the following formula: Opening Balance + Material Purchase for the Year – Inventory utilized during the Year. For the year ending 31st March 2022, the balance of Inventory in the financial statement is Rs. 35.06 Crores. As per Stores (maintained in computer system) of EDP, the value of Inventory is Rs. 6.97 Crores. Hence inventory of Rs. 28.09 Crores un-reconciled as on 31.3.2022, department should take necessary step to reconcile the same and record the hand receipt properly in computer system.

(17) Sale of Power:

(a) The sale of power for the year includes Rs. 113.96 Crores as Un-billed revenue (previous year Rs. 103.40 Crores) and same is debited in Un-Billed Debtors account in Balance Sheet. EDP has claimed subsidy from Government on domestic consumers having consumption below 100 units per month.

As a consequence of excess power available within the region of Puducherry, TNEB has been drawing power from the Electricity Department, Puducherry till the year 2020-21. The total power drawn is 129.32 MUs and the equivalent amount to be recovered as Sale of Power is Rs. 48.39 Crores from which 0.69 Crore is unbilled. (Read along-with Note 16 of Part B of Notes to Accounts).

(18) TNEB is continuously drawing power from the Electricity Department, Puducherry. The total power drawn by TNEB from FY 2013-14 to FY 2020-21 was 129.32 MUs and the equivalent amount to be recovered for Sale of Power is Rs. 48.39 Crores (including Transmission Losses, Wheeling, and Transmission charges). Out of which, the EDP has issued bills for 127.54 MUs amounting to Rs. 47.70 crore to TNEB in respect of power drawn by TNEB from FY 2013-14 to 30.06.2020 which is included in sale of power as Export to another Region and the total of 1.78 MUs amounting to Rs. 0.69 crores are unbilled for the period from July 2020 to November 2020. The billing was not done due to conflict in respect of per unit rate. The price per unit charges for

the unit sold to TNEB is still not finalized. However, we have considered the average rate of Rs. 3.51 per unit for unbilled MUs.

Contingent Liability Related to revision of lignite price on power purchase from Tamil Nadu Electricity Board (TNEB):

PED has received a letter from TNEB (now TANGEDCO) No. Lr. No. CFC/REV/FC/REV/AO/REV/D.396/21, Dt. 18.06.2021 in which they have claimed Rs. 34.71 crores receivable from PED. The details of the same are as under:

(Rs. In Crore)				
Description	CC Charges due to revision of tariff rate	BPSC	Audit Amount	Total Amt.
Payable to TNEB	50.18	30.49	2.12	82.79
Receivable from TNEB	34.68	13.41	0	48.09
Net Payable to TNEB				34.71

(19) Revenue from other services related to sale of power: - The revenue from other services related to sale of power includes: -

(a) Revenue from UI/DSM charges for the year 2021-22 is Rs. 23.56 Crores (previous year Rs. 11.81 Crores).

(b) EDP has not earned any income from open access charges.

(c) EDP earned income from URS amounting to Rs. 27.49 Crores.

(d) EDP earned income from RRAS amounting to Rs. 6.34 Crores.

(20) The expenditure capitalized and not charged to the Profit and Loss account are as follows:

- Salary Expenses: Rs. 16.23 Crores (previous year Rs. 14.87 Crores)

(21) In case of certain Revenue Expenditure which have been identified by the Department as having Employee Cost attached to it which is to be capitalized thus CWIP account is debited with 20% of such expenditures towards salaries and wages.

(22) During previous years, salary costs pertaining to capital works related to transmission work as identified by the Department have been capitalized. During the

Year DDUGJY (Deen Dayal Upadhyaya Gram Jyoti Yojana) Project and IPDS (Integrated Power Development Scheme) got capitalized.

(23) Advance paid to different vendors on 31st March 2021 for various schemes (i.e., Smart grid, DDUGUY, PSDF, IPDS, etc.) shown as Capital Advance.

(24) While the accounts prepared by EDP are on an accrual basis based on generally accepted accounting principles, the accounts prepared by the Department of Treasury, Government of Puducherry is on cash basis. Therefore, the balance of the Government Fund in the accounts of EDP and the balance of EDP in the accounts prepared by the Department of Treasury, Government of Puducherry are not reconciled.

(25) Internal Audit report

EDP has appointed an Internal Auditor for the year 2021-22. Auditor has submitted reports for all 4 quarters of 2021-22. The EDP is in the process of reviewing internal audit reports of FY 2021-22 and earlier periods and will respond to the audit observations and therefore no adjustments have been made to the accounts for the year 2021-22 for the audit observations.

(26) Stipend:

Stipend to be paid to apprentices are in arrears. It is recognized as and when paid.

(27) Tax Deducted at Source:

State Bank of India, Puducherry has deducted TDS of Rs. 1.51 Lacs on interest paid on fixed deposit accounts opened with State Bank of India Puducherry.

(28) Bank Accounts operated under DAT

EDP DDOs are maintaining operational control of 15 Bank Accounts which are being operated under the supervision and authority of Treasury (DAT). These accounts are being used to make payment on behalf of DAT for deduction from salary, contractor payments etc., DAT transfers the deduction made from payment for salary and contractor payments to these Bank Accounts and DDOs on behalf of DAT makes the payment to respective Government Department.

Since the Bank Accounts have been identified as belonging to DAT, the same has not been shown in the Financial Statements and has accordingly been disclosed here for information purposes.

The impact of the amount appearing in these bank accounts, vis a vis, increase in liabilities, and commensurate reduction in DAT Government Fund balance has been accounted for in the accounts. The same is a provision which shall be reversed on 1st April 2022.

EDP Shall not withdraw or utilize any amount from these bank accounts including any

interest earned as these belongs to DAT. Details of Bank Accounts as on 31st March 2022 are given below.

SL.	NAME OF SECTION	ACCOUNT NUMBER	TYPE OF ACCOUNTS	CLOSING BALANCE (INR)
1	EE/ URBAN O&M	30984215583	SB	2,589,576.50
2	EE/ CABLES AND TTC	30985567408	SB	1,174,378.75
3	EE/ SPM AND BUILDINGS	30959445288	CA	1,125,957.20
4	EE/ RURAL O&M NORTH	30987198787	SB	16,243,975.50
5	EE/ KKL	30859758747	SB	18,962,381.42
6	EE/ EHV	30948302503	CA	1,056,297.50
7	EE/ MRT AND MMC AND B&E	30502986703	SB	1,640,053.00
8	EE/ AUTO SS BASS	30977125936	CA	544,278.00
9	EE/ AUTO SS VLNR	30964498904	CA	719,579.50
10	EE/ RURAL O&M SOUTH	30967993813	CA	1,560,810.00
11	EE/ GENERAL	34584469746	CA	484,019.00
12	OSD	30954092530	CA	203,218.50
13	SE/ MP&OR/FC/SE O&M	30437734089	SB	20,183,219.60
14	AE/MAHE	30938886997	SB	9,885,743.00
15	AE/YANAM	32185245589	SB	490,837.70
			Total	76,864,325.17

**GOVERNMENT OF PUDUCHERRY
ELECTRICITY DEPARTMENT**

137, Nethaji Subhash Chandra Bose Salai, Puducherry - 605 001
Phone: 0413 – 2334277 (Per); 0413-2336361 (PBX); Fax: 0413 – 2331556
Web site: <http://electricity.puducherry.gov.in> e-mail: se1ped.pon@nic.in

T.CHANEMOUGAM

Superintending Engineer cum HOD

No. 3456 /ED/SE-I/Tech-I/F-49-Tariff /2022-2023

Date: 20/1/2023.

To
The Secretary,
JERC for Goa & UTs,
Plot.No.55,56 Service Lane,
Phase-IV, UdyogVihar,
Sector-18, Gurugram – 122016, HARYANA.

Email id: secyjercuts@gmail.in

Sir,

Sub: Electricity Department, Puducherry –Tariff Petition for Truing up of the FY-2021-22, Annual Performance Review of FY-2022-23 and Determination of tariff for FY-2023-24, and - Corrigendum – Regarding

With reference to the Tariff petition it is submitted that the following typo error has been noticed and the same may be permitted to be corrected as detailed below:

- i) Page no 23 : Sl no 3.8.1 GFA: The opening Balance of GFA for FY 2021-22 may be read as Rs954.63CrS instead of Rs. 864.29CrS.
- ii) Page no 81 : Table 7-1 Footnote: The proposed Regulatory Surcharge on all consumer categories shall be read as 10.00% instead of 5.00%
- iii) Page no 82: Table 7-3 may be replaced with the following table:

Particulars	FY 2023-24
Aggregate Revenue Requirement (ARR)	1860.97
Less: Revenue at proposed Tariff	1999.06
Less: Regulatory Surcharge	174.64
Revenue Excluding Regulatory Surcharge	1824.42
Revenue Gap/ (Surplus) for FY 2023-24 excluding Regulatory Surcharge	36.55

The above inadvertent typo errors may please be condoned and allowed to be corrected.

Yours faithfully,


(T.CHANEMOUGAM)

Superintending Engineer Cum HOD

Copy Submitted to:
The Secretary to Govt.(Power)