



GOVERNMENT OF PUDUCHERRY  
ELECTRICITY DEPARTMENT

137, Nethaji Subhash Chandra Bose Salai, Puducherry - 605 001  
Phone: 0413-2334277 (Per), 0413-2336361/65 (PBX), 0413-2331556 (Fax)

Lr.No. 50/ED/SE-HOD/EE- General/F-ARR/2019-20

Puducherry, dated.06-12-2019

To  
The Secretary,  
Joint Electricity Regulatory Commission,  
3<sup>rd</sup> and 4<sup>th</sup> Floor, Plot No. 55-56, Service Lane,  
Phase IV, Udyog Vihar, Sector 18,  
Gurgaon - 122015,  
HARYANA.  
Sir,

Sub: Electricity Department, Puducherry - Petition - True up for 2017-18 and FY 2018-19, Annual Performance Review for FY 2019-20 and ARR and Tariff determination for FY 2020-21 - Submitted - Regarding.

\*\*\*\*\*

I am enclosing six copies of Petition containing True up for FY 2017-18 and FY 2018-19, Annual Performance Review for FY 2019-20 and ARR & Tariff determination for FY 2020-21, for favourable consideration of the Hon'ble Commission.

2. The ARR petition fee of Rs. 47,13,750.00 ( Rupees forty seven lakhs thirteen thousand seven hundred and fifty only) is worked out below:

The projected sale of power for FY 2020-21 is 2971 MU  
The petition fee ( @Rs.1.25/1000 units) is Rs. 37,13,750/- plus  
Fees towards Annual performance review of tariff and performance by  
the licensee during the control period under MYT frame works :Rs. 10,00,000/-

3. The petition fee of Rs.47,13,750.00 has been sent through RTGS mode in favour of JERC Account No. 09871131000198, Oriental Bank of Commerce on 02-12-2019

Yours faithfully,

(R.MURALI)

Superintending Engineer -cum HOD

1/2

**PETITION FOR APPROVAL OF TRUE-UP OF FY 2017-18 &  
2018-19, ANNUAL PERFORMANCE REVIEW OF FY 2019-20  
AND REVISION OF AGGREGATE REVENUE REQUIREMENT  
(ARR) FY 2020-21 AND DETERMINATION OF TARIFF FOR FY  
2020-21**

**OF**

**ELECTRICITY DEPARTMENT, GOVERNMENT OF PUDUCHERRY**

**SUBMITTED TO**

**THE HON'BLE JOINT ELECTRICITY REGULATORY COMMISSION  
GURUGRAM**

**BY**

**ELECTRICITY DEPARTMENT, GOVERNMENT OF PUDUCHERRY**

**DECEMBER 2019**

True-up for FY 2017-18 & 2018-19, Review for FY 2019-20 & Revised ARR for FY 2020-21

---

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

Filing No.....

Case No.....

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

**IN THE MATTER OF:**

**PETITION FOR FILING OF TRUE-UP OF FY 2017-18 AND FY 2018-19,  
ANNUAL PERFORMANCE REVIEW OF FY 2019-20, AGGREGATE  
REVENUE REQUIREMENT (ARR) DETERMINATION OF RETAIL TARIFF  
FOR FY 2020-21**

**AND**

**IN THE MATTER OF:**

ELECTRICITY DEPARTMENT, GOVERNMENT OF PUDUCHERRY

- PETITIONER

**AFFIDAVIT**

I, R. MURALI, Son of Shri M.Raman aged about 58 years, residing at No TF3, Muthu Apartment, Ellapillaichavady, Puducherry 605 005, 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.

2. I, the deponent named above do hereby verify that the contents of the affidavit and those of the accompanying Petition are true to the best of my personal knowledge and verify that no part of this affidavit is false and no material information has been concealed in the Petition.

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

Enclosure:

(i) Six copies of Petition regarding filing of True-up for FY2017-18 and FY 2018-19, Annual performance review of FY 2019-20, ARR and Determination of Tariff for FY 2020-21.

(Deponent)

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.

Advocate  
S. SRINIVASAPERUMAL, B.A., LL.B.,  
ADVOCATE & NOTARY PUBLIC  
(GOVT. OF INDIA)  
6, ANNAI VELI ANKANNI STREET  
KAMAKAJ NAGAR, PUDUCHERRY-11

Solemnly affirmed before me on this 6<sup>th</sup> day of December 2019, by the deponent who has been identified by the aforesaid Advocate. I have satisfied myself by examining the deponent that he understood the contents of the affidavit which has been read over and explained to him. He has also been explained about section 193 of Indian Penal Code that whoever intentionally gives false evidence in any of the proceedings of the Commission or fabricates evidence for purpose of being used in any of the proceedings shall be liable for punishment as per law.



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

**IN THE MATTER OF:**

PETITION FOR FILING OF TRUE-UP OF FY 2017-18 AND FY 2018-19, ANNUAL PERFORMANCE REVIEW OF FY 2019-20, AGGREGATE REVENUE REQUIREMENT (ARR) AND DETERMINATION OF RETAIL TARIFF FOR FY 2020-21


**AND**

**IN THE MATTER OF:**

ELECTRICITY DEPARTMENT, GOVERNMENT OF PUDUCHERRY

- PETITIONER

THE PETITIONER ABOVE NAMED RESPECTFULLY SUBMITS

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

**TABLE OF CONTENTS**

<b>CHAPTER 1. INTRODUCTION .....</b>	<b>1</b>
1.2 ELECTRICITY DEPARTMENT OF PUDUCHERRY.....	1
1.3 FILING UNDER TARIFF REGULATIONS.....	1
1.4 FILING OF ARR AND MULTI YEAR TARIFF PETITION.....	3
<b>CHAPTER 2. OVERALL APPROACH FOR PRESENT FILING .....</b>	<b>5</b>
2.1 TRUE-UP FOR FY 2017-18.....	5
2.2 TRUE-UP FOR FY 2018-19.....	5
2.3 ANNUAL PERFORMANCE REVIEW FOR FY 2019-20.....	5
2.4 MULTI – YEAR TARIFF PETITION AND TARIFF DETERMINATION FOR FY 2019-20.....	5
2.5 NORMS FOR PROJECTION .....	6
<b>CHAPTER 3. TRUE UP OF FY 2017-18.....</b>	<b>6</b>
3.1 PREAMBLE.....	6
3.2 NUMBER OF CONSUMERS.....	7
3.3 ENERGY SALES.....	7
3.4 DISTRIBUTION LOSS & ENERGY REQUIREMENT .....	8
3.5 POWER PURCHASE QUANTUM & COST FOR FY 2017-18 .....	9
3.6 OPERATION & MAINTENANCE EXPENSES.....	10
3.7 CAPITAL WORK IN PROGRESS, GFA AND DEPRECIATION.....	13
3.8 INTEREST & FINANCE CHARGE .....	15
3.9 INTEREST ON WORKING CAPITAL.....	16
3.10 SECURITY DEPOSITS.....	17
3.11 PROVISION FOR BAD DEBTS .....	17
3.12 RETURN ON EQUITY.....	17
3.13 NON-TARIFF INCOME .....	18
3.14 REVENUE FROM SALE OF POWER AT EXISTING TARIFF .....	19
3.15 AGGREGATE REVENUE REQUIREMENT FOR FY 2017-18 .....	20
3.16 REVENUE GAP FOR FY 2017-18 .....	20
<b>CHAPTER 4. TRUE UP OF FY 2018-19.....</b>	<b>21</b>
4.1 PREAMBLE.....	21
4.2 NUMBER OF CONSUMERS.....	21
4.3 ENERGY SALES.....	21
4.4 DISTRIBUTION LOSS & ENERGY REQUIREMENT .....	22
4.5 POWER PURCHASE QUANTUM & COST FOR FY 2018-19 .....	23
4.6 OPERATION & MAINTENANCE EXPENSES.....	24
4.7 CAPITAL WORK IN PROGRESS, GFA AND DEPRECIATION.....	27
4.8 INTEREST & FINANCE CHARGE .....	29
4.9 INTEREST ON WORKING CAPITAL.....	30

4.10 SECURITY DEPOSITS .....	31
4.11 PROVISION FOR BAD DEBTS .....	31
4.12 RETURN ON EQUITY.....	31
4.13 NON-TARIFF INCOME .....	32
4.14 REVENUE FROM SALE OF POWER AT EXISTING TARIFF .....	32
4.15 AGGREGATE REVENUE REQUIREMENT FOR FY 2018-19 .....	33
4.16 REVENUE GAP FOR FY 2018-19 .....	34
<b>CHAPTER 5. ANNUAL PERFORMANCE REVIEW FOR FY 2019-20 .....</b>	<b>35</b>
5.1 BACKGROUND TO FY 2019-20 PETITION .....	35
5.2 NUMBER OF CONSUMERS.....	35
5.3 ENERGY SALES.....	36
5.4 DISTRIBUTION LOSS & ENERGY REQUIREMENT .....	36
5.5 POWER PURCHASE QUANTUM .....	38
5.6 COST OF POWER PURCHASE FOR FY 2019-20 .....	38
5.7 OPERATION & MAINTENANCE EXPENSES.....	41
5.8 CAPITAL WORK IN PROGRESS, GFA AND DEPRECIATION.....	43
5.9 INTEREST & FINANCE CHARGE .....	44
5.10 INTEREST ON WORKING CAPITAL.....	45
5.11 SECURITY DEPOSITS.....	46
5.12 PROVISION FOR BAD DEBTS .....	46
5.13 RETURN ON EQUITY.....	47
5.14 NON-TARIFF INCOME .....	47
5.15 REVENUE FROM SALE OF POWER AT EXISTING TARIFF .....	48
5.16 AGGREGATE REVENUE REQUIREMENT FOR FY 2019-20 .....	49
5.17 REVENUE GAP FOR FY 2019-20 .....	50
<b>CHAPTER 6. ANNUAL REVENUE REQUIREMENT FOR FY 2020-21.....</b>	<b>52</b>
6.1 PREAMBLE.....	52
6.2 PRINCIPLES FOR DETERMINATION OF ARR FOR MYT PERIOD .....	52
6.3 SALES FOR THE CONTROL PERIOD .....	53
6.4 DISTRIBUTION LOSS.....	54
6.5 ENERGY BALANCE .....	54
6.6 POWER PURCHASE QUANTUM .....	55
6.7 COST OF POWER PURCHASE FOR THE MYT CONTROL PERIOD .....	56
6.8 OPERATION AND MAINTENANCE.....	59
6.9 GROSS FIXED ASSETS AND DEPRECIATION .....	62
6.10 INTEREST ON LOAN.....	64
6.11 INTEREST ON WORKING CAPITAL.....	66
6.12 PROVISION FOR BAD DEBTS .....	67
6.13 INTEREST ON SECURITY DEPOSITS.....	67



6.14 RETURN ON EQUITY.....	68
6.15 NON-TARIFF INCOME .....	70
6.16 REVENUE FROM SALE OF POWER AT EXISTING TARIFF .....	70
6.17 ARR FOR THE CONTROL PERIOD .....	71
6.18 REVENUE GAP FOR THE MYT CONTROL PERIOD .....	72
<b>CHAPTER 7. REGULATORY ASSETS AND TOTAL REVENUE GAP.....</b>	<b>73</b>
7.1 PREAMBLE.....	73
7.2 TREATMENT OF REGULATORY ASSETS AND NET GAP:.....	73
7.3 CUMULATIVE REVENUE GAP/(SURPLUS) TILL FY 2020-21 .....	74
<b>CHAPTER 8. TARIFF FOR RETAIL SALE OF ELECTRICITY DURING MYT CONTROL PERIOD .....</b>	<b>76</b>
8.1 PREAMBLE.....	76
8.2 TARIFF DESIGN PRINCIPLES .....	76
8.3 PHILOSOPHY OF TARIFF DESIGN .....	76
<b>CHAPTER 9. SEGREGATION OF WHEELING AND RETAIL SUPPLY BUSINESS .....</b>	<b>78</b>
9.1 ALLOCATION POLICY .....	78
<b>CHAPTER 10. DETERMINATION OF OPEN ACCESS CHARGES .....</b>	<b>79</b>
10.1 APPROACH FOR COMPUTATION OF OPEN ACCESS CHARGES .....	79
10.2 COMPUTATION OF WHEELING CHARGE AND LOSSES.....	79
10.3 ADDITIONAL SURCHARGE.....	80
10.4 COMPUTATION OF CROSS SUBSIDY SURCHARGE FOR FY 2020-21 .....	81
<b>CHAPTER 11. COMPLIANCE OF THE DIRECTIVES OF HON'BLE COMMISSION .....</b>	<b>84</b>
11.1 PREAMBLE.....	84
11.2 STATUS OF COMPLIANCE .....	84
<b>CHAPTER 12. PROPOSED TARIFF SCHEDULE FOR MYT CONTROL PERIOD.....</b>	<b>93</b>
12.1 TARIFF SCHEDULE FOR FY 2020-21.....	93
12.2 LOW TENSION SUPPLY .....	96
LT SUPPLY LIMIT FOR ALL CATEGORIES: FOR SINGLE PHASE CONNECTION, THE CONNECTED LOAD SHALL NOT EXCEED 4 kW, AND FOR 3 PHASE CONNECTION, THE CONNECTED LOAD SHALL NOT EXCEED 130 HP OR 97 kW.....	96
12.3 HIGH TENSION SUPPLY.....	102
12.4 TEMPORARY SUPPLY.....	104
12.5 HOARDINGS AND SIGN BOARDS.....	104
<b>CHAPTER 13. PROPOSED SCHEDULE OF SERVICES AND CHARGES.....</b>	<b>106</b>
13.1 CHARGES FOR SERVICE CONNECTIONS.....	106
13.2 TESTING OF INSTALLATION .....	106
13.3 TESTING OF METERS & METERING ARRANGEMENTS.....	106

13.4 TESTING OF HT/EHT CONSUMER PROTECTIVE EQUIPMENT .....	107
13.5 DISCONNECTION / RE-CONNECTION CHARGES.....	107
13.6 TITLE TRANSFER OF SERVICES .....	107
13.7 FURNISHING OF CERTIFIED COPIES.....	108
13.8 CHARGES FOR REPLACEMENT OF BURNT METERS.....	108
13.9 FUSE RENEWAL CHARGES .....	108
13.10 SHIFTING OF METER BOARD AT CONSUMER'S REQUEST.....	108
<b>CHAPTER 14. PRAYER TO THE HON'BLE COMMISSION .....</b>	<b>109</b>
14.1 PRAYER TO THE HON'BLE COMMISSION.....	109

**LIST OF TABLES**

TABLE 3-1: DETAILS OF NO. OF CONSUMERS FOR FY 2017-18 .....	7
TABLE 3-2: SALES (MUS) FOR FY 2017-18 .....	8
TABLE 3-3: DISTRIBUTION LOSS AND ENERGY BALANCE FOR FY 2017-18 .....	8
TABLE 3-4: POWER PURCHASE QUANTUM & COST FOR FY 2017-18.....	10
TABLE 3-5: EMPLOYEE EXPENSES (RS. CRS) FOR FY 2017-18 .....	11
TABLE 3-6: R&M EXPENSES (RS. CRS) FOR FY 2017-18.....	12
TABLE 3-7 A&G EXPENSES (RS. CRS) FOR FY 2017-18 .....	12
TABLE 3-8: O&M EXPENSES (RS. CRS) FOR FY 2017-18 .....	13
TABLE 3-9: GFA (RS. CRS) FOR FY 2017-18 .....	13
TABLE 3-10: RATE OF DEPRECIATION APPLICABLE FOR VARIOUS ASSETS .....	14
TABLE 3-11: DEPRECIATION-NORMATIVE (RS. CRS) FOR FY 2017-18 .....	14
TABLE 3-12: INTEREST & FINANCE CHARGES (RS. CRS) FOR FY 2017-18.....	15
TABLE 3-13: INTEREST ON WORKING CAPITAL (RS. CRS) FOR FY 2017-18.....	16
TABLE 3-14: INTEREST ON SECURITY DEPOSIT (RS. CRS) FOR FY 2017-18 .....	17
TABLE 3-15: RETURN ON EQUITY (RS. CRS) FOR FY 2017-18.....	18
TABLE 3-16: NON-TARIFF INCOME FY 2017-18 .....	19
TABLE 3-17: REVENUE FROM TARIFF FOR FY 2017-18 .....	19
TABLE 3-18: CALCULATION OF ARR (RS. CRS) FOR FY 2017-18 .....	20
TABLE 3-19: REVENUE GAP (RS. CRS) FOR FY 2017-18.....	20
TABLE 4-1: DETAILS OF NO. OF CONSUMERS FOR FY 2018-19 .....	21
TABLE 4-2: SALES (MUS) FOR FY 2018-19 .....	22
TABLE 4-3: DISTRIBUTION LOSS AND ENERGY BALANCE FOR FY 2018-19(RS. CRS).....	22
TABLE 4-4: POWER PURCHASE QUANTUM & COST FOR FY 2018-19.....	24
TABLE 4-5: EMPLOYEE EXPENSES (RS. CRS) FOR FY 2018-19 .....	25
TABLE 4-6: R&M EXPENSES (RS. CRS) FOR FY 2018-19.....	26
TABLE 4-7 A&G EXPENSES (RS. CRS) FOR FY 2017-18 .....	26
TABLE 4-8: O&M EXPENSES (RS. CRS) FOR FY 2018-19 .....	27
TABLE 4-9: GFA (RS. CRS) FOR FY 2018-19 .....	27
TABLE 4-10: RATE OF DEPRECIATION APPLICABLE FOR VARIOUS ASSETS .....	28
TABLE 4-11: DEPRECIATION-NORMATIVE (RS. CRS) FOR FY 2018-19 .....	28
TABLE 4-12: INTEREST & FINANCE CHARGES (RS. CRS) FOR FY 2018-19.....	29
TABLE 4-13: INTEREST ON WORKING CAPITAL (RS. CRS) FOR FY 2018-19.....	30
TABLE 4-14: INTEREST ON SECURITY DEPOSIT FOR FY 2018-19.....	31
TABLE 4-15: RETURN ON EQUITY (RS. CRS) FOR FY 2018-19.....	32
TABLE 4-16: REVENUE FROM TARIFF FOR FY 2018-19.....	33
TABLE 4-17: CALCULATION OF ARR (RS. CRS) FOR FY 2018-19 .....	34
TABLE 4-18: REVENUE GAP (RS. CRS) FOR FY 2018-19.....	34
TABLE 5-1: DETAILS OF NUMBER OF CONSUMERS FOR FY 2019-20.....	35
TABLE 5-2: SALES (MUS) FOR FY2019-20 .....	36
TABLE 5-3: DISTRIBUTION LOSS AND ENERGY BALANCE FOR FY 2019-20 .....	37
TABLE 5-4: RPO OBLIGATION FOR FY 2019-20 .....	40
TABLE 5-5: RPO COMPLIANCE COST FOR FY 2019-20 .....	40
TABLE 5-6: POWER PURCHASE COST FOR FY 2019-20 .....	41
TABLE 5-7: EMPLOYEE EXPENSES FOR FY 2019-20 (RS. CRS) .....	42
TABLE 5-8: R&M EXPENSES FOR FY 2019-20 (RS. CRS).....	42
TABLE 5-9: A&G EXPENSES FOR FY 2019-20 (RS. CRS) .....	43
TABLE 5-10: O&M EXPENSES FOR FY 2019-20 (RS. CRS).....	43


TABLE 5-11: GFA (RS. CRS) REVISED ESTIMATES .....	44
TABLE 5-12: DEPRECIATION (RS. CRS) FOR FY 2019-20.....	44
TABLE 5-13: INTEREST & FINANCE CHARGES (RS. CRS) FOR FY 2019-20.....	45
TABLE 5-14: INTEREST ON WORKING CAPITAL FOR FY 2019-20 (RS. CRS).....	46
TABLE 5-15: INTEREST ON SECURITY DEPOSIT FOR FY 2019-20 (RS. CRS) .....	46
TABLE 5-16: RETURN ON EQUITY (RS. CR) FOR FY 2019-20 .....	47
<b>TABLE 5-17: REVENUE FROM TARIFF FOR 2019-20 .....</b>	<b>49</b>
TABLE 5-18: CALCULATION OF ARR (RS. CRS) FOR FY 2019-20 .....	50
TABLE 5-19: SEGREGATION OF WHEELING AND SUPPLY BUSINESS FY 2019-20.....	50
TABLE 5-20: REVENUE GAP (RS. CRS) FOR FY 2019-20.....	51
TABLE 6-1: SALES APPROVED FOR FY 2020-21 (IN MUS) .....	53
TABLE 6-2: NUMBER OF CONSUMERS APPROVED FOR FY 2020-21 .....	54
TABLE 6-3: LOSS REDUCTION TRAJECTORY FOR THE MYT CONTROL PERIOD .....	54
TABLE 6-4: ENERGY REQUIREMENT & ENERGY BALANCE PROPOSED FOR FY 2020-21.....	54
TABLE 6-5: RPO OBLIGATION FOR FY 2020-21 .....	57
TABLE 6-6: RPO COST FOR FY 2020-21 .....	58
TABLE 6-7: POWER PROCUREMENT COST FOR FY 2020-21 .....	59
TABLE 6-8: EMPLOYEE EXPENSES FOR FY 2020-21 (RS. CRS) .....	61
TABLE 6-9: R&M EXPENSES FOR FY 2020-21 (RS. CRS).....	61
TABLE 6-10: A&G EXPENSES FOR FY 2020-21 (RS. CRS) .....	61
TABLE 6-11: O&M EXPENSES FOR FY 2020-21 (RS. CRS) .....	62
TABLE 6-12: GFA AND DEPRECIATION FOR THE CONTROL PERIOD .....	64
TABLE 6-13: INTEREST ON LOAN FOR THE CONTROL PERIOD.....	66
TABLE 6-14: INTEREST ON WORKING CAPITAL FOR FY 2020-21 .....	67
TABLE 6-15: INTEREST ON SECURITY DEPOSIT FOR FY 2020-21.....	68
TABLE 6-16: RETURN ON EQUITY (RS. CR.) FOR FY 2020-21 .....	70
TABLE 6-17: REVENUE FROM SALE OF POWER FOR FY 2020-21.....	71
TABLE 6-18: ARR (RS. CRS) FOR FY 2020-21 .....	72
TABLE 6-19: REVENUE GAP FOR FY 2020-21 .....	72
TABLE 8-1: SUMMARY OF EXISTING AND PROPOSED TARIFF RATES FOR MYT CONTROL PERIOD (FY 2020-21).....	77
TABLE 9-1: ALLOCATION STATEMENT WHEELING AND RETAIL SUPPLY FOR FY 2020-21 .....	78
TABLE 10-1: PARAMETERS ASSUMED FOR VOLTAGE-WISE ALLOCATION OF WHEELING COST .....	79
TABLE 10-2: ADDITIONAL SURCHARGES FOR FY 2020-21 .....	81
TABLE 10-3: ENERGY INPUT AT EACH VOLTAGE LEVEL (MU).....	82
TABLE 10-4: PARAMETERS USED FOR ALLOCATION OF FIXED COSTS .....	83
TABLE 10-5: VOLTAGE WISE COST OF SUPPLY .....	83
TABLE 10-6: CROSS SUBSIDY SURCHARGE .....	83
TABLE 11-1: STATUS OF COMPLIANCE OF DIRECTIVES .....	84
TABLE 12-1: TOD CHARGES .....	96
TABLE 12-2: EXISTING AND PROPOSED CHARGES FOR DOMESTIC CATEGORY .....	97
TABLE 12-3: EXISTING AND PROPOSED CHARGES FOR HUT CATEGORY.....	98
TABLE 12-4: EXISTING AND PROPOSED CHARGES FOR LT COMMERCIAL CATEGORY.....	99
TABLE 12-5: EXISTING AND PROPOSED CHARGES FOR AGRICULTURE CATEGORY.....	99
TABLE 12-6: EXISTING AND PROPOSED CHARGES FOR COTTAGE INDUSTRY.....	100
TABLE 12-7: EXISTING AND PROPOSED CHARGES FOR PUBLIC LIGHTNING.....	101
TABLE 12-8: EXISTING AND PROPOSED CHARGES FOR LT INDUSTRIAL .....	102
TABLE 12-9: EXISTING AND PROPOSED CHARGES FOR HIGH TENSION I CATEGORY .....	103

TABLE 12-10: EXISTING AND PROPOSED CHARGES FOR HIGH TENSION II CATEGORY .....	103
TABLE 12-11: EXISTING AND PROPOSED CHARGES FOR HIGH TENSION III CATEGORY .....	103
TABLE 12-12: EXISTING AND PROPOSED CHARGES FOR TEMPORARY SUPPLY.....	104
TABLE 12-13: EXISTING AND PROPOSED CHARGES FOR HOARDINGS AND SIGN BOARDS .....	105
TABLE 13-1: PROPOSED SERVICE CONNECTION CHARGES .....	106
TABLE 13-2: PROPOSED TESTING OF INSTALLATION CHARGES .....	106
TABLE 13-3: PROPOSED TESTING OF METERING CHARGES .....	107
TABLE 13-4: PROPOSED TESTING OF HT/EHT CONSUMER EQUIPMENT CHARGES .....	107
TABLE 13-5: PROPOSED DISCONNECTION/RECONNECTION CHARGES.....	107
TABLE 13-6: PROPOSED DISCONNECTION/RECONNECTION CHARGES.....	107
TABLE 13-7: PROPOSED CERTIFIED COPIES CHARGES.....	108
TABLE 13-8: PROPOSED FUSE RENEWABLE CHARGES .....	108
TABLE 13-9: PROPOSED SHIFTING OF METER BOARD CHARGES .....	108

**LIST OF ABBREVIATIONS**

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

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

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

## CHAPTER 1. INTRODUCTION

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

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

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

### 1.2 Electricity Department of Puducherry

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



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

- 1.3.2 PED has filed its petition for determination of Aggregate Revenue Requirement (ARR) & Retail Tariff for distribution and retail sale of electricity for FY 2018-19 under section 61, 62 & 64 of the Electricity Act, 2003 and JERC (Multi Year Distribution Tariff) Regulations, 2014 against which Tariff Order was issued by the Hon'ble Commission on 28<sup>th</sup> March, 2018.
- 1.3.3 The Hon'ble Joint Electricity Regulatory Commission (hereinafter referred to as Hon'ble Commission / JERC) issued the JERC (Multi Year Distribution Tariff) Regulations, 2018 (hereinafter referred to as "MYT Regulations") in exercise of powers conferred by Section 61, 62, 63 and 86 read with Section 181 of Electricity Act 2003 on 10<sup>th</sup> August, 2018. 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 2.1 of the JERC (Multi Year Distribution Tariff) Regulations, 2018, the Control Period was defined as a three-year period from FY 2019-20 to FY 2021-22.
- 1.3.4 As per provisions in clause 8.1 of MYT Regulations, PED had filed its Business Plan for three years control period i.e. from FY 2019-20 to FY 2021-22 before the Commission on 31<sup>st</sup> August 2018 for approval.
- 1.3.5 The Hon'ble Commission admitted the business plan petition as Petition No. 261/2018 on 04<sup>th</sup> September, 2018. PED has subsequently submitted clarifications to queries from JERC. The Public hearing session was held on 4<sup>th</sup> October, 2018 at PMSSS Hall, Laporte Street, Puducherry. The order on the business plan petition was issued on 31<sup>st</sup> October, 2018.
- 1.3.6 The petition for Provisional True-up for FY 2017-18, Annual Performance review FY 2018-19 and Annual Revenue Requirement for FY 2019-20 was submitted to Hon'ble Commission on 3<sup>rd</sup> December, 2018. The Hon'ble Commission had issued the Tariff Order for FY 2019-20 on 20<sup>th</sup> May, 2019.
- 1.3.7 True-up for FY 2017-18 and 2018-19 based on actual figures is being submitted in the current petition, along with Annual Performance review FY 2019-20 and revised Annual Revenue Requirement for FY 2020-21.

#### 1.4 Filing of ARR and Multi Year 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 (MYT Distribution Tariff) Regulations, 2018 that

*"These Regulations shall come into force from the date of their publication in the Official Gazette and shall remain in force till March 31, 2022, unless otherwise reviewed/extended."*

1.4.3 The Commission repealed MYT Regulations, 2014 and states as follows in JERC MYT Regulations 2018:

*"74.1. The Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Multi Year Distribution Tariff) Regulations, 2014 and JERC (Terms and Conditions for Determination of Tariff) Regulations, 2009 shall stand repealed from the date of coming into force of these Regulations and any reference to these Regulations in any of the Regulations, standards, codes or procedures of the Joint Electricity Regulatory Commission shall be deemed to be replaced by the Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018.*

*74.2 Notwithstanding such repeal, anything done or purported to have been done under the repealed Regulations so far as it is not inconsistent with these Regulations shall be deemed to have been done or purported to have been done under these Regulations.*

*74.3 These Regulations are in addition to and not in derogation of the other Regulations / Codes issued by the Commission."*

1.4.4 Thus, the Petitioner is submitting the Annual Performance Review for FY 2019-20 and Revised Annual Revenue Requirement for FY 2020-2021 as per the MYT Regulations, 2018 and approved business plan. However, the petitioner requests the Hon'ble Commission to revise the Employee Expense costs estimates with respect to past trends and latest available inflation rate in FY 2019-20 and FY 2020-2021, subject to final true-up.

- 1.4.5 PED is also submitting the said petition for True-up of FY 2017-18 and FY 2018-19 as per actuals in line with MYT Regulations, 2014 for the approval of the Hon'ble Commission.
- 1.4.6 PED is now filing this petition for approval of Hon'ble Commission whereby the Tariff Formats as outlined in regulations are enclosed as per **Annexure 2** of this petition. The details are provided in subsequent chapters. The Petitioner also requests the commission to condone the delay in filing the Petition.

## CHAPTER 2. OVERALL APPROACH FOR PRESENT FILING

In this petition, Puducherry Electricity Department is filing the True-up for FY 2017-18, FY 2018-19 and Annual Performance Review for FY 2019-20 and Revised ARR for FY 2020-21.

### 2.1 True-up for FY 2017-18

2.1.1 As specified in the MYT Regulations 2014, the Hon'ble Commission shall undertake the trueing-up exercise for the previous year based on audited accounts. In the current petition, figures of FY 2017-18 are made available for True-up with the details of ARR specified in the relevant chapter of this petition.

### 2.2 True-up for FY 2018-19

2.2.1 As specified in the MYT Regulations 2014, the Hon'ble Commission shall undertake the trueing-up exercise for the previous year based on audited accounts. In the current petition, figures of FY 2018-19 are made available for True-up with the details of ARR specified in the relevant chapter of this petition.

### 2.3 Annual Performance Review for FY 2019-20

2.3.1 As specified in the MYT Regulations 2018, 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.

2.3.2 Accordingly, PED is filing this Annual Performance Review petition for the year FY 2019-20 based on the actual performance during the 1<sup>st</sup> half of the year and the revised estimates for H2 based on the approved figures in the Business Plan and the last Tariff Order with modifications in certain components based on the present status.

### 2.4 Multi – Year Tariff Petition and Tariff determination for FY 2019-20

2.4.1 The Joint Electricity Regulatory Commission had notified the JERC (Multi Year Distribution Tariff) Regulations 2018, which came into effect from 10<sup>th</sup> August 2018.

2.4.2 As per Clause 9 of the MYT Regulations, PED is filing the petition for the approval of Revised Annual Revenue Requirement for FY 2020-21 in line with the MYT Regulations and Tariff determination for FY 2020-21. The projections are based on

the norms specified in the Regulations, MYT Business plan approved by the Commission 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 FY 2019-20 and FY 2020-21.

2.4.3 The subsequent sections of the petition for Revised ARR 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.

2.4.4 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 section.

## 2.5 Norms for Projection

2.5.1 The Second MYT Control Period as directed by the Hon'ble Commission in the Regulations has commenced from 1<sup>st</sup> April 2019 onwards. PED is filing this petition in line with the norms and principles enumerated by Hon'ble Commission in the MYT Regulations and the business plan order.

2.5.2 For True-up of FY 2017-18, the petition has been prepared in line with the financial statements and actual figures available with the department. The projections for the control period FY 2019-20 and FY 2020-21 have been adopted based on the MYT Order dated 20<sup>th</sup> May, 2019 and the business plan order dated 31<sup>st</sup> October, 2018.

2.5.3 True-Up for FY 2017-18 and FY 2018-19, APR for FY 2019-20 and revised ARR for FY 2020-21 have been carried out separately and details of the same are presented separately.

## CHAPTER 3. TRUE UP OF FY 2017-18

### 3.1 Preamble

3.1.1 This section outlines the performance of Puducherry Electricity Department (PED) for FY 2017-18. PED submits that the financial statements for FY 2017-18 have been considered in this petition for trueing up along with the comparison of the

approved figures by Hon'ble Commission vide tariff order dated 28<sup>th</sup> March 2018.

3.1.2 This chapter summarizes each of the components of True-up for FY 2017-18 and thereby working out the revenue gap for that year.

### 3.2 Number of Consumers

3.2.1 PED submits the actual number of consumers for FY 2017-18 vis-à-vis as approved by Hon'ble Commission as shown in the table below:

Table 3-1: Details of No. of Consumers for FY 2017-18

S. No.	Particulars	Approved as per T.O. dt 28.03.2018 (Rs. Crs.)	Actuals
1	Domestic	321112	325845
2	OHOB	35539	35537
3	Commercial	51460	53962
4	Agriculture	6836	6940
5	Public Lighting	51297	50434
6	LT Industrial & Water Tank	6815	6616
7	<b>Total LT</b>	<b>473059</b>	<b>479334</b>
8	HT 1 Industrial & Commercial	457	437
9	HT 2 Others	60	43
10	HT 3 EHT	8	5
11	<b>Total HT</b>	<b>525</b>	<b>485</b>
12	<b>Total LT and HT</b>	<b>473584</b>	<b>479819</b>

3.2.2 It is requested to Hon'ble Commission to consider the actual number of consumers as submitted in the above table for FY 2017-18.

### 3.3 Energy Sales

3.3.1 The total sales of PED for FY 2017-18 are **2,548.76** MU's. The category wise actual and approved sales for FY 2017-18 are shown in the table below.

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

Table 3-2: Sales (MUs) for FY 2017-18

S. No.	Sales (MU)	Approved as per T.O. dt 28.03.2018 (Rs. Crs.)	Actuals
1	Domestic	744.75	723.28
2	OHOB	10.22	10.24
3	Commercial	233.57	216.41
4	Agriculture	57.28	57.61
5	Street lighting	27.52	24.48
6	LT Industries + Water tank	184.79	185.61
7	Temp LT	8	7.66
8	HT-I	930.18	933.43
9	HT-II	65.53	63.14
10	HT-III	273.75	326.90
11	<b>Total</b>	<b>2535.58</b>	<b>2548.76</b>

3.3.2 Based on the above submission PED requests the Hon'ble Commission to approve 2548.76 MUs as the actual sales for FY 2017-18 as stated in the table above.

### 3.4 Distribution Loss & Energy Requirement

3.4.1 PED submits that the actual energy distribution losses for FY 2017-18 is 13.75% as compared to that approved by Hon'ble Commission at 11.25%. The comparison of Energy balance statement and the loss levels based on the accounts and approved figures are shown in the table below:

Table 3-3: Distribution Loss and Energy Balance for FY 2017-18

S. No.	Particulars	Actuals
A)	<b>Energy Requirement</b>	
1	Metered Sales	2480.91
2	Unmetered Sales	67.85
3	<b>Total Sales within the UT</b>	<b>2548.76</b>
4	Energy Drawal by TANGEDCO	17.46
5	Sales to Electricity Traders / Power Exchange	0.00
6	Sale to Open access Consumers	39.00
7	<b>Total Sales</b>	<b>2605.22</b>
8	<b>T&amp;D Losses</b>	
a	Loss(%)	13.75%
b	Loss (MU)	406.32
9	<b>Total Energy Requirement</b>	<b>3011.54</b>

S. No.	Particulars	Actuals
B)	<b>Energy Availability</b>	
1	Net Power Purchase (ex Bus)	2932.17
2	Own Generation (PPCL+Renewable)	215.31
3	Power purchase from Common Pool / UI-overdrawal / Traders / Exchange / Others	29.14
4	UI Underdrawal	114.20
5	Open Access Power Purchase at periphery	39.58
6	<b>Net Power Purchased (1+2+3-4+5)</b>	<b>3101.99</b>
7	Transmission Losses	90.45
	Transmission Losses (%)	2.92%
8	<b>Total Energy Availability (4-5-6)</b>	<b>3011.54</b>
9	<b>Deficit/(Surplus)</b>	<b>0</b>

3.4.2 The petitioner submits that the department has not done significant capital expenditure specifically towards reduction of transmission and distribution loss. PED would also like to submit that R&M expenses during the year were lower than planned / approved figures which were necessary for proper upkeep of the assets and to maintain network in condition to provide reliable supply.

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 actual Distribution Loss of 13.75% as stated in above table for FY 2017-18.

3.4.4 Further, the Transmission/PGCIL Losses of 2.92% for FY 2017-18 may be approved by the Hon'ble Commission.

### 3.5 Power Purchase Quantum & Cost for FY 2017-18

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

3.5.2 The table below shows the summary of actual Power Purchase from various sources along with their costs for FY 2017-18 including Transmission Charges, UI charges and purchase from traders.



Table 3-4: Power Purchase Quantum & Cost for FY 2017-18

S. No.	Particulars	Approved (FY 2017-18)			Actuals (FY 2017-18)		
		Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)	Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)
1	NTPC	1232.61	351.87	2.85	1212.91	356.93	2.94
2	NLC and NTPL	855.14	346.04	4.05	800.87	341.72	4.27
3	NPCIL	571.10	185.31	3.24	604.33	215.20	3.56
4	KSEB	30.13	22.37	7.42	30.13	22.42	7.44
5	TANGEDCO	177.37	67.83	3.82	181.34	75.61	4.17
6	PPCL	215.56	68.63	3.18	214.69	77.22	3.60
7	Vallur	113.17	56.18	4.96	102.60	56.98	5.55
8	Solar Generation				0.62	0.37	5.97
9	Over drawal	(47.23)	(4.55)	0.96	(85.06)	(12.72)	1.49
10	Open market	(224.17)	(71.06)	3.17			
11	OA Power purchase				39.58		
12	Transmission Charges		62.11				
13	Rebate					(15.99)	
14	RPO Obligations		50.19			14.59	
15	Credit from NTPC					(31.73)	
16	Power purchase arrears					75.87	
17	Total	2923.68	1134.92	3.88	3101.99	1176.47	3.79

\*Revenue of 0.37 cr is adjusted with the Revenue Bills of Consumers from Rooftop Solar

3.5.3 The Power Purchase arrears of NTPC & NPCIL due to tariff revision for the plants, have been claimed in FY 2017-18 for amount of Rs. **75.87** Crs.

3.5.4 It is submitted that Rs. 14.59 Crs of Non-Solar RECs were purchased corresponding to 97.26 MU in FY 2017-18. The petitioner has also received 0.62 MUs of physical solar power on account of net metering in Puducherry.

3.5.5 Accordingly, Hon'ble Commission is requested to approve **Rs. 1176.47**Crs for FY 2017-18as power purchase cost incurred during the year.

### 3.6 Operation & Maintenance Expenses

3.6.1 As per Regulation 21 of JERC MYT Regulations, 2014, the Hon'ble Commission shall stipulate separate trajectory of norms for each component of O&M expenses.

*"21. Operation & Maintenance Expenses*

*(a) The Commission shall stipulate a separate trajectory of norms for each of the components of O&M expenses viz., Employee cost, R&M expense and A&G expense.*

*Provided that such norms may be specified for a specific Distribution Licensee or a class of Distribution Licensees.*

....

*(c) One-time expenses such as expense due to change in accounting policy,*

*arrears paid due to pay commissions etc., shall be excluded from the norms in the trajectory.*

*(d) The expenses beyond the control of the Distribution Licensee such as dearness allowance, terminal benefits in Employee cost etc., shall be excluded from the norms in the trajectory.*

*(e) The One-time expenses and the expenses beyond the control of the Distribution Licensee shall be allowed by the Commission over and above normative Operation & Maintenance Expenses after prudence check."*

**3.6.2 Employee Expenses:** PED has computed the O&M (Employee) expense for FY 2017-18 based on the actual employee expenses incurred during the entire year.

**3.6.2.1** The employee cost incurred during the year for FY 2017-18 is Rs. **96.90** Crores.

**Table 3-5: Employee Expenses (Rs. Crs) for FY 2017-18**

Particulars	Approved as per T.O. dt 28.03.2018 (Rs. Crs.)	Actuals
Salary		111.17
Wages		0.78
Stipend		0.78
Overtime Payment		1.04
Less: Departmental Charges		0.49
Less: Salary Costs Capitalized		16.37
Net amount	97.22	96.90
Add : prior period expenses		
<b>Total Employee Expenses for PED</b>	<b>97.22</b>	<b>96.90</b>

**3.6.2.2** 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. **0.49**Crs from the employee Expenses. Further, an amount of Rs.**16.37**Crs has been capitalized from the employee expenses during the year FY 2017-18.

**3.6.2.3** Accordingly, PED requests the Hon'ble Commission to kindly approve the actual net cost of Rs. **96.90** Crs towards employee expenses during the year for FY 2017-18.

**3.6.3 Repairs & Maintenance Expenses:** The repairs and maintenance cost has been claimed as per expenses actually incurred during FY 2017-18.

Table 3-6: R&M Expenses (Rs. Crs) for FY 2017-18

S. No.	Particulars	Approved as per T.O. dt 28.03.2018 (Rs. Crs.)	Actuals
1	R&M Expenses	22.02	9.9

3.6.3.1 As seen from the table above R&M expenses incurred actually for FY 2017-18 were less than the approved expenses.

3.6.3.2 PED submits that the R&M expense is being met from budgetary provision and therefore is limited to the amount allocated under such budgetary provision only.

3.6.3.3 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. 9.9Crs for FY 2017-18 as R&M expenses.

3.6.4 **Administration & General expenses:** The administrative expense mainly comprise of rents, professional charges, office expenses, etc. The expenses incurred by the petitioner for FY 2017-18 are shown in the table below.

Table 3-7 A&G Expenses (Rs. Crs) for FY 2017-18

S. No.	Particulars	Approved as per T.O. dt 28.03.2018 (Rs. Crs.)	Actuals
1	A & G Expenses	9.41	9.66

3.6.4.1 An amount of Rs. 1.29Crs has been incurred by PED towards payment of EESL charges related to DELP scheme approved by the Commission and is part of A&G expenses.

3.6.4.2 The Hon'ble Commission is therefore requested to approve the A&G expenses of Rs. 9.66 Crs for FY 2017-18.

3.6.5 **O&M Expenses Summary:** Based on the foregoing paragraphs, the O&M expenses for the year FY 2017-18 are summarised below:

Table 3-8: O&M Expenses (Rs. Crs) for FY 2017-18

Summary of O&M Expenses for FY 2017-18		
Particulars	Approved as per T.O. dt 28.03.2018 (Rs. Crs.)	Actuals (Rs. Crs)
A&G Costs	9.41	9.66
R&M Expenses	22.02	9.90
Employee Cost	97.22	96.90
<b>Total O&amp;M Expenses for the purpose of sharing of Gains/Losses</b>	<b>128.65</b>	<b>116.46</b>
Add: Additional expenses due to Statutory/ Change in Law payments	-	-
<b>Total O&amp;M Expenses</b>	<b>128.65</b>	<b>116.46</b>

3.6.6 The Hon'ble Commission is requested to approve the O&M Expenses of Rs. **116.46** Crs for FY 2017-18 as shown in the table above. The details of O&M expense for FY 2017-18 are provided in the Formats 13, 15 & 16 of the Tariff Filing Formats.

### 3.7 Capital Work in Progress, GFA and Depreciation

3.7.1 **GFA:** The Opening Balance of GFA for FY 2017-18 is Rs.**676.16** Crs as per the financial statements of FY 2017-18. The following table shows the opening balance, additions and closing balance of GFA for FY 2017-18.

Table 3-9: GFA (Rs. Crs) for FY 2017-18

S. No.	Particulars	Approved as per T.O. dt 28.03.2018 (Rs. Crs.)	Actuals
1	Opening value of the assets at the beginning of the year	676.17	676.16
2	Additions during the year	64.49	14.1
3	Value of assets sold/disposed off		
4	<b>Gross Fixed Assets at the end</b>	<b>740.66</b>	<b>690.27</b>

3.7.2 PED submits that GFA addition during FY 2017-18 is Rs. **14.1** Crs. 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, closing GFA considered and claimed is Rs. **690.27** Crs.

3.7.3 PED hereby requests the Hon'ble Commission to approve the actual Gross Fixed Assets opening and additions as submitted above for FY 2017-18

3.7.4 **Depreciation:** As per Regulation 23 of JERC MYT Regulations 2014, depreciation

shall be calculated for each year of the Control Period on the original cost of the fixed assets of the corresponding year. Accordingly, the depreciation rates as specified by JERC have been adopted for calculation of depreciation on different asset categories.

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

**Table 3-10: Rate of Depreciation applicable for various assets**

Description of Assets	Rate of Depreciation
Land and Land Rights	0.00%
Building	3.34%
Plant and Machinery	5.28%
Lines and Cables	5.28%
Office Equipment	9.50%
IT Equipment	6.33%
Vehicles	6.33%
Furniture and Fixtures	15.00%
Testing and measuring equipment	5.28%
SCADA centre	6.33%

3.7.6 The following table shows the depreciation arrived by PED for FY 2017-18 based on the approved depreciation rates specified by the Hon'ble Commission for different asset class.

**Table 3-11: Depreciation-Normative (Rs. Crs) for FY 2017-18**

Sr. No.	Name of the Assets	Rate of Depreciation	Actual	
			FY 2017-18	
			Assets value at the beginning of the year	Depreciation charges
1	Land and Land rights	0.00%	7.35	-
2	Building	3.34%	17.37	0.59
3	Plant & Machinery	5.28%	379.63	20.25
4	Lines and Cables Network	5.28%	236.85	12.64
5	Vehicles	9.50%	1.89	0.18
6	Furniture and Fixtures	6.33%	0.15	0.01
7	Office Equipments	6.33%	0.84	0.05
8	IT Equipments	15.00%	2.00	0.30
9	Testing & Measuring Equipments	5.28%	3.31	0.18
10	SCADA Centre	6.33%	26.77	1.71
11	Others			
	<b>Total</b>		<b>676.16</b>	<b>35.91</b>

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

Thus, the depreciation as estimated in Financial statement is requested to be approved by the Hon'ble Commission.

3.7.8 The Hon'ble Commission is requested to approve **Rs. 27.30 Crs** for FY 2017-18, as per the Financial Statement.

### 3.8 Interest & Finance Charge

3.8.1 As per regulation 24 (b) of MYT Regulations, 2014,

*“(b) If the equity deployed is more than 30% of the capital cost, equity in excess of 30% shall be treated as normative loan.*

*Provided that where equity actually deployed is less than 30% of the capital cost, the actual loan shall be considered for determination of interest on loans....*

*(e) The repayment for the control period shall be deemed to be equal to the depreciation allowed for the year.”*

3.8.2 The Regulation 24(b) 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 and the actual borrowing of loan is only to the extent of the R-APDRP schemes. However, 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 2017-18.

**Table 3-12: Interest & Finance Charges (Rs. Crs) for FY 2017-18**

S. No.	Particulars	Approved	Actuals
1	Opening Normative Loan	112.45	112.45
2	Add: Normative Loan during the Year	45.14	9.87
3	Less: Normative Repayment	40.04	27.30
4	Closing Normative Loan	117.55	95.02
5	Average Normative Loan	115	<b>103.73</b>
6	Rate of Interest(@SBAR)	13.85%	13.85%
7	<b>Interest on Normative Loan</b>	<b>15.93</b>	<b>14.37</b>
8	Other Finance Charges	2.54	2.38
9	<b>Total Interest and Finance Charges</b>	<b>18.47</b>	<b>16.75</b>

3.8.3 It is submitted that PED has considered an addition of **Rs. 14.1 Crs** in the Gross Fixed Assets for FY 2017-18. 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 1<sup>st</sup> April of that relevant year.

3.8.4 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.

3.8.5 The Hon'ble Commission is requested to approve the Interest & Finance Charges at Rs. 16.75Cr for FY 2017-18 as shown in the table above. The details of Interest & Finance charges are provided in Format 10A of the Tariff Filing Formats.

### 3.9 Interest on Working Capital

3.9.1 As per Regulation 25 of JERC MYT Regulations, 2014, interest on Working Capital for retail supply activity of the licensee shall consist of:

- Receivables for two months of billing
- Less power purchase cost of one month
- Less consumer security deposit but excluding bank guarantee/ fixed deposit receipt
- Inventory for two months based on annual requirement for previous year.

3.9.2 The petitioner hereby submits that it has adopted the same methodology adopted by the Hon'ble Commission in its tariff order for FY 2017-18 for arriving at the working capital requirement whereby it has excluded the available security deposits available with the petitioner from the working capital requirement though the same has not been specified in the Regulations.

3.9.3 The Interest on Working Capital approved by the Hon'ble Commission and claimed for FY 2017-18 is Nil since the opening Security Deposit was much higher than the working capital requirement.

Table 3-13: Interest on Working Capital (Rs. Crs) for FY 2017-18

S. No.	Particulars	Approved	Actuals
1	Receivable - 2 months	227	223.59
2	Less :Power Purchase - 1 months	94.58	98.04
3	Less : Inventory for two months	6.78	7.77
4	Less: Security Deposit Opening Bal.	160.86	177.70
5	<b>Total</b>	-35.22	-44.39
6	<b>Interest Rate</b>	9.30%	9.10%
7	<b>Interest on working capital</b>	-	-

3.9.4 The Interest on Working Capital approved by the Hon'ble Commission for the FY 2017-18 was Nil. On the basis of the normative calculation for FY 2017-18, the interest on working capital works out to Nil.

### 3.10 Security Deposits

3.10.1 As per the Regulation 6.10 (8) of Electricity Supply Code Regulations, 2010:

*"The distribution licensee shall pay interest, at the bank rate notified by the Reserve Bank of India from time to time on such security deposits taken from the consumer. In this regard it shall be the responsibility of the licensee to keep a watch on the bank rate from time to time.*

*The interest amount of previous financial year shall be adjusted in the energy bill issued in May/ June of each financial year depending on billing cycle."*

**Table 3-14: Interest on Security Deposit (Rs. Crs) for FY 2017-18**

S. No.	Particulars	Approved	Actuals
1	Opening Security Deposit	152.8	177.70
2	Add: Deposits during the year	16.13	19.95
3	Less: Deposits refunded		0.00
4	Less: Deposits in the form of BG/FDR		0.00
5	Closing Security Deposit	168.93	197.65
6	Bank Rate	6.50%	6.25%
7	Interest on Security Deposit	10.46	11.73
8	Interest on Security Paid to Consumers		3.5

3.10.2 The normative Interest on Security Deposit of Rs. **11.73**Crs payable for FY 2017-18 as showcased in the table above. However, it is submitted that the actual interest paid to the consumers in FY 2017-18 is Rs. **3.5**Crs. 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. **3.5** Crs actually paid as shown in the table above and balance amount to be approved on payment basis in future period.

### 3.11 Provision for Bad Debts

3.11.1 The petitioner is not claiming any provision for bad debts in for the FY 2017-18 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 debt.

### 3.12 Return on Equity

3.12.1 The provision of Regulation 27 of MYT Regulations 2014 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.

3.12.2 The capital base for closing of the FY 2016-17 as approved in the true up for FY 2016-17 is considered. Further, an equity addition in FY 2017-18 equal to 30% of asset capitalized in FY 2017-18 has been considered.

3.12.3 In line with the 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 2017-18.

Table 3-15: Return on Equity (Rs. Crs) for FY 2017-18

S. No.	Particulars	Approved	Actuals
1	Opening Equity Amount	202.85	202.85
2	Equity Addition during year (30% of Capitalization)	19.35	4.23
3	<b>Closing Equity Amount</b>	222.2	207.08
4	<b>Average Equity Amount</b>	212.53	204.96
5	Rate of Return on Equity	16%	16%
6	<b>Return on Equity</b>	34	32.79

3.12.4 In view of above, the Hon'ble Commission is requested to kindly allow the above Return on Equity of Rs. 32.79Crs for FY 2017-18.

### 3.13 Non-Tariff Income

3.13.1 The Non-Tariff Income comprises metering, late payment charges, 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 2017-18 was Rs. 4.51 Crs.

3.13.2 The Non-Tariff Income for FY 2017-18 are as per actuals is Rs. 7.42 Crs. The details of non-tariff income for FY 2017-18 are provided as below:

Table 3-16: Non-Tariff Income FY 2017-18

S. No.	Particulars	Income (INR Cr.)
1	Open Access Income	9.05
2	URS Income	1.71
3	UI Charges	13.88
4	RRAS Charges	2.19
5	Sale of Trading Materials	0.002
6	Interest Income on Margin Money Deposit with Bank	1.09
7	Other receipts	3.82
	<b>Total</b>	<b>31.75</b>

3.13.3 In view of above, the Hon'ble Commission is requested to kindly allow Non-Tariff Income of Rs. 7.42 Crs for FY 2017-18.

### 3.14 Revenue from Sale of Power at Existing Tariff

3.14.1 The Revenue from Tariff for FY 2017-18 was Rs.1311.98Crs. The actual revenue earned from different categories for FY 2017-18 is shown in the table below:

Table 3-17: Revenue from Tariff for FY 2017-18

S. No.	Particulars	Sales (MUs)	Revenue (Rs.Crs)
<b>LT Category</b>			
1	Domestic	723.28	179.94
2	OHOB	10.24	1.15
3	Commercial	216.41	129.72
4	Agriculture	57.61	1.94
5	Public Lighting	24.48	21.06
6	LT Industrial	148.02	76.16
7	Water Tank	37.59	22.19
8	Temporary Supply-LT&HT	7.66	7.47
	<b>Total LT</b>	<b>1,225.29</b>	<b>439.65</b>
<b>HT Category</b>			
9	HT 1 Industrial / Commercial	933.43	567.19
10	HT 2 - Government & Water Tank	63.14	49.39
11	HT 3 - EHT	326.90	183.10
12	<b>Total HT</b>	<b>1323.47</b>	<b>799.68</b>
13	<b>Total LT and HT</b>	<b>2,548.76</b>	<b>1,239.33</b>
14	Less Incentive to consumers (Net of penal charges)		-16.27
15	4% Surcharge		49.15
17	<b>Total</b>	<b>2,548.76</b>	<b>1,272.21</b>

3.14.2 Apart from the above-mentioned revenue, revenue of Rs. 39.5 Cr was billed to TNEB for drawl of power from PED for previous years up to year FY 2017-18.

3.14.3 In view of above, the Hon'ble Commission is requested to kindly allow Revenue of Rs.1311.98Crs., as per the Financial Statements of FY 2017-18.

### 3.15 Aggregate Revenue Requirement for FY 2017-18

3.15.1 The Aggregate Revenue Requirement for FY 2017-18 as approved by the Hon'ble Commission in the APR for FY 2017-18 was Rs. 1362.02Cr against which the ARR for FY 2017-18 on basis of actuals is **Rs. 1341.53Cr**. The calculation for Aggregate Revenue Requirement on the basis of actuals for FY 2017-18 is shown below:

**Table 3-18: Calculation of ARR (Rs. Crs) for FY 2017-18**

S. No.	Particulars	Approved by Commission	Claimed in True-up
1	Cost of power purchase	1134.92	1176.47
2	Employee Costs	97.22	96.90
3	Administration and General Expenses	9.41	9.66
4	R&M expenses	22.02	9.90
5	Depreciation	40.04	27.30
6	Interest & Finance Charges	18.46	16.75
7	Interest on Working Capital + Interest on CSD	10.46	3.50
8	Return on NFA/ Equity	34	32.79
9	Provision for Bad Debt	-	0.00
10	<b>Total Revenue Requirement</b>	<b>1366.53</b>	<b>1373.28</b>
11	Less: Non- Tariff Income	4.51	31.75
12	<b>Net Aggregate Revenue Requirement</b>	<b>1362.02</b>	<b>1341.53</b>

3.15.2 The Petitioner hereby requests the Commission to approve the ARR of **Rs.1341.53Cr** for FY 2017-18 as submitted above.

### 3.16 Revenue Gap for FY 2017-18

3.16.1 The Revenue Gap approved by the Hon'ble Commission for FY 2017-18 was Rs. 93.52Cr.

3.16.2 The Revenue Gap as approved by the Hon'ble Commission and as calculated on the basis of actuals, for True up of FY 2017-18 is shown in the table below:

**Table 3-19: Revenue Gap (Rs. Crs) for FY 2017-18**

S. No.	Particulars	Approved	Actuals
1	Aggregate Revenue Requirement	1362.02	1341.53
2	Revenue from Sale of Power	1268.5	1311.98
3	<b>Revenue Gap/ (Surplus)</b>	<b>93.52</b>	<b>29.55</b>

3.16.1 PED hereby requests Hon'ble Commission to approve the net Revenue Gap of **Rs.29.55Cr** for FY 2017-18.

**CHAPTER 4. TRUE UP OF FY 2018-19****4.1 Preamble**

4.1.1 This section outlines the performance of Puducherry Electricity Department (PED) for FY 2018-19. PED had filed a petition for review of FY 2017-18 and ARR for FY 2018-19, before the Hon'ble Commission on 29<sup>th</sup> November 2017. The Hon'ble Commission after undertaking a thorough analysis had issued the Tariff Order for Financial Year 2018-19 along with the Annual Revenue Requirement for FY 2018-19 on 28<sup>th</sup> March 2018.

4.1.2 This chapter summarizes each of the components of True-up for FY 2018-19 and thereby working out the revenue gap for that year.

**4.2 Number of Consumers**

4.2.1 PED submits before the Hon'ble Commission the actual consumer numbers for FY 2018-19 in comparison of the approved numbers below:

**Table 4-1: Details of No. of Consumers for FY 2018-19**

S. No.	Particulars	Approved	Actuals
1	Domestic	344979	336044
2	OHOB	35539	35537
3	Commercial	56801	55145
4	Agriculture	6929	6973
5	Public Lighting	51016	50666
6	LT Industrial & Water Tank	6840	6725
7	<b>Total LT</b>	<b>502104</b>	<b>491090</b>
8	HT 1 Industrial & Commercial	456	424
9	HT 2 Government & Water Tank	69	64
10	HT 3 EHT	7	7
11	<b>Total HT</b>	<b>532</b>	<b>495</b>
12	<b>Total LT and HT</b>	<b>502636</b>	<b>491585</b>

4.2.2 It is requested to Hon'ble Commission to consider the number of consumers as submitted in the above table for FY 2018-19.

**4.3 Energy Sales**

4.3.1 The total sales of PED for FY 2018-19 are 2644.54MU's. The category wise actual and approved sales for FY 2018-19 are shown in the table below.

Table 4-2: Sales (MUs) for FY 2018-19

S. No.	Particulars	Approved in T.O.	Actuals
1	Domestic	785.14	711.56
2	OHOB	10.22	10.24
3	Commercial	245.79	212.85
4	Agriculture	57.43	59.9
5	Public Lighting	27.58	27.6
6	LT Industrial & Water Tank	184.79	159.59
7	Temporary Supply - LT&HT	8	8.12
8	<b>Total LT</b>	<b>1318.95</b>	<b>1189.80</b>
9	HT 1 Industrial & Commercial	930.18	972.13
10	HT 2 Government & Water Tank	68.98	66.06
11	HT 3 EHT	288.2	416.55
12	<b>Total HT</b>	<b>1287.36</b>	<b>1454.74</b>
13	<b>Total LT and HT</b>	<b>2606.31</b>	<b>2644.54</b>

4.3.2 Based on the above submission PED requests the Hon'ble Commission to approve the actual sales for FY 2018-19 as stated in the table above.

#### 4.4 Distribution Loss & Energy Requirement

4.4.1 The Hon'ble Commission had approved energy loss of 11.00% in FY 2018-19 tariff order. PED had submitted revised estimate of **13.27%** as the energy loss for FY 2018-19. Energy balance based on revised estimate of sales, power purchase and distribution losses are given in the table below:

Table 4-3: Distribution Loss and Energy Balance for FY 2018-19(Rs. Crs)

S. No.	Particulars	Actuals
A)	<b>Energy Requirement</b>	
1	Metered Sales	2574.33
2	Unmetered Sales	70.21
3	<b>Total Sales within the UT</b>	<b>2644.54</b>
4	Energy Drawal by TANGEDGO	0.00
5	Sales to Electricity Traders / Power Exchange	9.07
6	Sale to Open access Consumers	0.00
7	<b>Total Sales</b>	<b>2653.61</b>
8	<b>T&amp;D Losses</b>	<b>0.00</b>
a	Loss(%)	13.27%
b	Loss (MU)	404.45
9	<b>Total Energy Requirement</b>	<b>3058.06</b>

S. No.	Particulars	Actuals
B)	<b>Energy Availability</b>	
1	Net Power Purchase (ex Bus)	2932.32
2	Own Generation (PPCL+Renewable)	214.17
3	Power purchase from Common Pool / UI-overdrawal / Traders / Exchange / Others	62.33
4	UI Underdrawal	67.23
5	Open Access Power Purchase at periphery	0.00
6	<b>Net Power Purchased (1+2+3-4+5)</b>	<b>3141.59</b>
7	Transmission Losses	83.53
	Transmission Losses (%)	2.66%
8	<b>Total Energy Availability (4-5-6)</b>	<b>3058.06</b>
9	<b>Deficit/(Surplus)</b>	<b>0.00</b>

4.4.2 As apprised by petitioner in previous chapter, 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.

4.4.3 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 **13.27%** for FY 2018-19.

4.4.4 Further, the Transmission/PGCIL Losses of **2.66%** for FY 2018-19 may be approved by the Hon'ble Commission.

#### 4.5 Power Purchase Quantum & Cost for FY 2018-19

4.5.1 PED meets its total energy requirement from its allocation from the Central Generating Stations (CGS) and state utilities like TANGEDCO, KSEB and PPCL. PPCL is a generating company within the UT of Puducherry catering to the partial requirement of Karaikal region. KSEB supplies for Mahe region under the UT of Puducherry.

4.5.2 The table below shows the summary of actual Power Purchase from various sources along with their costs for FY 2018-19 including Transmission Charges, UI charges and purchase from traders.

Table 4-4: Power Purchase Quantum & Cost for FY 2018-19

S. No.	Particulars	Actuals(FY 2018-19)		
		Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)
1	NTPC	1257.94	382.05	3.04
2	NLC and NTPL	921.30	351.98	3.82
3	NPCIL	0.00		
4	KSEB	0.00		
5	TANGEDCO	139.66	76.40	5.47
6	PPCL	214.17	119.20	5.57
7	KAIGA	276.53	100.71	3.64
8	MAPS	21.54	5.92	2.75
9	NTECL	135.04	77.50	5.74
10	KKNP	175.64	77.24	4.40
11	Solar Generation			
12	Open market			
13	OA Power purchase			
14	PGCL (POC Charges)		54.81	
15	SRLDC Charges		0.28	
16	RPO Obligations		0.00	
17	Credit from NTPC			
18	Power purchase arrears		66.26	
19	<b>Total</b>	<b>3141.82</b>	<b>1312.35</b>	<b>4.18</b>

4.5.3 The petitioner has also received 2.40 MUs of physical solar power on account of net metering (not included in above table) in Puducherry.

4.5.4 Accordingly, Hon'ble Commission is requested to approve **Rs. 1312.35Cr**s for FY 2018-19 as power purchase cost incurred during the year, as per the Financial Accounts of FY 2018-19.

#### 4.6 Operation & Maintenance Expenses

4.6.1 As per Regulation 21 of JERC MYT Regulations, 2014, the Hon'ble Commission shall stipulate separate trajectory of norms for each component of O&M expenses.

*"21. Operation & Maintenance Expenses*

*(a) The Commission shall stipulate a separate trajectory of norms for each of the components of O&M expenses viz., Employee cost, R&M expense and A&G expense.*

*Provided that such norms may be specified for a specific Distribution Licensee or a class of Distribution Licensees.*

....

(c) One-time expenses such as expense due to change in accounting policy, arrears paid due to pay commissions etc., shall be excluded from the norms in the trajectory.

(d) The expenses beyond the control of the Distribution Licensee such as dearness allowance, terminal benefits in Employee cost etc., shall be excluded from the norms in the trajectory.

(e) The One-time expenses and the expenses beyond the control of the Distribution Licensee shall be allowed by the Commission over and above normative Operation & Maintenance Expenses after prudence check.”

4.6.2 **Employee Expenses:** PED has computed the O&M (Employee) expense for FY 2018-19 based on the actual employee expenses incurred during the entire year.

4.6.2.1 The employee cost incurred during the year for FY 2018-19 is Rs.110.32 Crores.

Table 4-5: Employee Expenses (Rs. Crs) for FY 2018-19

Particulars	Approved by Commission (Rs. Crs.)	Actuals
Salary		127.40
Wages		0.79
Stipend		0.55
Overtime Payment		0.08
Less: Departmental Charges		0.54
Less: Salary Costs Capitalized		17.95
Net amount	104.42	110.32
Add : prior period expenses		
<b>Total Employee Expenses for PED</b>	<b>104.42</b>	<b>110.32</b>

4.6.2.2 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. 0.54Crs from the employee Expenses. Further, an amount of Rs.17.95Crs has been capitalized from the employee expenses during the year FY 2018-19.

4.6.2.3 Accordingly, PED requests the Hon’ble Commission to kindly approve the actual net cost of Rs. 110.32 Crs towards employee expenses during the year for FY 2018-19.

4.6.3 **Repairs & Maintenance Expenses:** The repairs and maintenance cost has been claimed as per expenses actually incurred during FY 2018-19.



Table 4-6: R&M Expenses (Rs. Crs) for FY 2018-19

S. No.	Particulars	Approved by Commission (Rs. Crs.)	Actuals
1	R&M Expenses	26.51	4.47

4.6.3.1 As seen from the table above R&M expenses incurred actually for FY 2018-19 were much less than the approved level.

4.6.3.2 PED submits that the R&M expense is being met from budgetary provision and therefore is limited to the amount allocated under such budgetary provision only.

4.6.3.3 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. 4.47Crs for FY 2018-19as R&M expenses.

4.6.4 **Administration & General expenses:** The administrative expense mainly comprise of rents, professional charges, office expenses, etc. The expenses incurred by the petitioner for FY 2018-19 are shown in the table below.

Table 4-7 A&G Expenses (Rs. Crs) for FY 2017-18

S. No.	Particulars	Approved by Commission (Rs. Crs.)	Actuals
1	A & G Expenses	13.45	11.85

4.6.4.1 The Hon'ble Commission is therefore requested to approve the A&G expenses of Rs. 11.85Crs for FY 2018-19.

4.6.5 **O&M Expenses Summary:** The actual O&M expenses for the year FY 2018-19 are summarised below:

**Table 4-8: O&M Expenses (Rs. Crs) for FY 2018-19**

Summary of O&M Expenses for FY 2018-19		
Particulars	Approved by commission (Rs. Crs.)	Actuals (Rs. Crs)
A&G Costs	13.45	11.85
R&M Expenses	26.51	4.47
Employee Cost	104.42	110.32
<b>Total O&amp;M Expenses for the purpose of sharing of Gains/Losses</b>	<b>144.38</b>	<b>126.64</b>
Add: Additional expenses due to Statutory/ Change in Law payments	-	-
<b>Total O&amp;M Expenses</b>	<b>144.38</b>	<b>126.64</b>

4.6.6 The Hon'ble Commission is requested to approve the O&M Expenses of Rs. **126.64** Crs for FY 2018-19 as shown in the table above. The details of O&M expense for FY 2018-19 are provided in the Formats 13, 15 & 16 of the Tariff Filing Formats.

#### 4.7 Capital Work in Progress, GFA and Depreciation

4.7.1 **GFA:** The Opening Balance of GFA for FY 2018-19 comes to around Rs.**690.27**Crs as per the financial statements for FY 2018-19. The following table shows the opening balance, additions and closing balance of GFA for FY 2018-19.

**Table 4-9: GFA (Rs. Crs) for FY 2018-19**

S. No.	Particulars	Approved by commission (Rs. Crs.)	Actuals
1	Opening value of the assets at the beginning of the year	740.66	690.27
2	Additions during the year	54.31	109.2
3	Value of assets sold/disposed off		
4	<b>Gross Fixed Assets at the end of the year</b>	<b>794.97</b>	<b>799.51</b>

4.7.2 PED submits that GFA addition during FY 2018-19 is Rs. 109.2 Crs. 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. **109.2** Crs.

4.7.3 PED hereby requests the Hon'ble Commission to approve the actual Gross Fixed Assets opening and additions as submitted above for FY 2018-19

4.7.4 **Depreciation:** As per Regulation 23 of JERC MYT Regulations 2014, depreciation

shall be calculated for each year of the Control Period on the original cost of the fixed assets of the corresponding year. Accordingly, the depreciation rates as specified by CERC have been adopted for calculation of depreciation on different asset categories.

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

**Table 4-10: Rate of Depreciation applicable for various assets**

Description of Assets	Rate of Depreciation
Land and Land Rights	0.00%
Building	3.34%
Plant and Machinery	5.28%
Lines and Cables	5.28%
Office Equipment	9.50%
IT Equipment	6.33%
Vehicles	6.33%
Furniture and Fixtures	15.00%
Testing and measuring equipment	5.28%
SCADA centre	6.33%

4.7.6 The following table shows the depreciation arrived by PED for FY 2018-19 based on the approved depreciation rates specified by the Hon'ble Commission for different asset class. The same is reflecting in the annual audited accounts for respective years.

**Table 4-11: Depreciation-Normative (Rs. Crs) for FY 2018-19**

S. No.	Particulars	Approved by Commission	Revised Estimates
1	Opening value of the assets at the beginning of the year	740.66	690.27
2	Additions during the year	54.31	109.25
3	Value of assets sold /disposed off		-
4	<b>Gross Fixed Assets at the end of the year</b>	<b>794.97</b>	<b>799.51</b>
5	<b>Net Depreciation for the year</b>	<b>43.39</b>	<b>39.15</b>
6	<b>Average Depreciation Rate</b>	<b>5.65%</b>	<b>5.26%</b>

However, since there are certain assets that have been depreciated to more than 90%, thus further depreciation on them is not sought on normative principles. Thus, the depreciation as estimated in Financial statement is requested to be approved by the Hon'ble Commission.

4.7.7 The Hon'ble Commission is requested to approve **Rs31.93 Crs** for FY 2018-19, as per Financial statements for FY 2018-19.

#### 4.8 Interest & Finance Charge

4.8.1 As per regulation 24 (b) of MYT Regulations, 2014,

*"(b) If the equity deployed is more than 30% of the capital cost, equity in excess of 30% shall be treated as normative loan.*

*Provided that where equity actually deployed is less than 30% of the capital cost, the actual loan shall be considered for determination of interest on loans.*

...

*(e) The repayment for the control period shall be deemed to be equal to the depreciation allowed for the year."*

4.8.2 The Regulation 24(b) 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 and the actual borrowing of loan is only to the extent of the R-APDRP schemes. However, 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 2018-19.

Table 4-12: Interest & Finance Charges (Rs. Crs) for FY 2018-19

S. No.	Particulars	Approved	Actuals
1	Opening Normative Loan	117.56	95.02
2	Add: Normative Loan during the Year	38.02	76.47
3	Less: Normative Repayment	43.39	31.93
4	Closing Normative Loan	112.19	139.56
5	Average Normative Loan	114.88	117.29
6	Rate of Interest(@SBAR)	13.40%	0.13
7	<b>Interest on Normative Loan</b>	<b>15.39</b>	<b>15.78</b>
8	Other Finance Charges	2.54	2.50
9	<b>Total Interest and Finance Charges</b>	<b>17.93</b>	<b>18.28</b>

4.8.3 It is submitted that PED has considered an addition of Rs. **109.2Crs** in the Gross Fixed Assets for FY 2018-19. 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 1<sup>st</sup> April of that relevant year.

4.8.4 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.

4.8.5 The Hon'ble Commission is requested to approve the Interest & Finance Charges at **Rs. 18.28Cr**s for FY 2018-19 as shown in the table above. The details of Interest & Finance charges are provided in Format 10A of the Tariff Filing Formats.

#### 4.9 Interest on Working Capital

4.9.1 As per Regulation 25 of JERC MYT Regulations, 2014, interest on Working Capital for retail supply activity of the licensee shall consist of:

- Receivables for two months of billing
- Less power purchase cost of one month
- Less consumer security deposit but excluding bank guarantee/ fixed deposit receipt
- Inventory for two months based on annual requirement for previous year.

4.9.2 The petitioner hereby submits that it has adopted the same methodology adopted by the Hon'ble Commission in its tariff order for FY 2018-19 for arriving at the working capital requirement whereby it has excluded the available security deposits available with the petitioner from the working capital requirement though the same has not been specified in the Regulations.

4.9.3 The Interest on Working Capital approved by the Hon'ble Commission and claimed for FY 2018-19 is Nil since the opening Security Deposit was much higher than the working capital requirement.

**Table 4-13: Interest on Working Capital (Rs. Crs) for FY 2018-19**

S. No.	Particulars	Approved	Actuals
1	Receivable - 2 months	229.12	252.80
2	Less :Power Purchase - 1 months	93.8	109.36
3	Less :Inventory for two months	6.78	7.77
4	Less: Security Deposit Opening Bal.	176.99	197.65
5	<b>Total</b>	(48.45)	(46.45)
6	<b>Interest Rate</b>	8.65%	0.09
7	<b>Interest on working capital</b>	-	-

4.9.4 The Interest on Working Capital approved by the Hon'ble Commission for the FY 2018-19 was Nil. On the basis of the revised estimates for FY 2018-19, the interest

on working capital comes to Nil

#### 4.10 Security Deposits

4.10.1 As per the Regulation 6.10 (8) of Electricity Supply Code Regulations, 2010:

*"The distribution licensee shall pay interest, at the bank rate notified by the Reserve Bank of India from time to time on such security deposits taken from the consumer. In this regard it shall be the responsibility of the licensee to keep a watch on the bank rate from time to time.*

*The interest amount of previous financial year shall be adjusted in the energy bill issued in May/ June of each financial year depending on billing cycle."*

Table 4-14: Interest on Security Deposit for FY 2018-19

S. No.	Particulars	Approved	Actuals
1	Opening Security Deposit	168.92	197.65
2	Add: Deposits during the year	16.13	20.71
3	Less: Deposits refunded		0.00
4	Less: Deposits in the form of BG/FDR		0.00
5	Closing Security Deposit	185.05	218.36
6	Bank Rate	6.25%	6.00%
7	Interest on Security Deposit	11.06	12.48
8	Interest on Security Paid to Consumers		4.20

4.10.2 The normative Interest on Security Deposit of Rs. **12.48** Crs payable for FY 2018-19 as showcased in the table above. However, it is submitted that the actual interest paid to the consumers in FY 2018-19 is Rs. **4.20** Crs. 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. **4.20** Crs actually paid as shown in the table above and balance to be approved on actual payment basis in future.

#### 4.11 Provision for Bad Debts

4.11.1 The petitioner is not claiming any provision for bad debts in for the FY 2018-19 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.

#### 4.12 Return on Equity

4.12.1 The Regulation 27 of MYT Regulations 2014 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.

4.12.2 The capital base for closing of the FY 2017-18 as claimed in the true up for FY 2017-18 is considered. Further, an equity addition in FY 2018-19 equal to 30% of asset capitalized in FY 2018-19 has been considered.

4.12.3 In line with the 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 2018-19.

Table 4-15: Return on Equity (Rs. Crs) for FY 2018-19

S. No.	Particulars	Approved	Actuals
1	Opening Equity Amount	222.2	207.08
2	Equity Addition during year (30% of Capitalization)	16.29	32.77
3	Closing Equity Amount	238.49	239.85
4	Average Equity Amount	230.35	223.47
5	Rate of Return on Equity	16%	16%
6	Return on Equity	36.86	35.75

4.12.4 In view of above, the Hon'ble Commission is requested to kindly allow the above Return on Equity of Rs.35.75Crs for FY 2018-19.

#### 4.13 Non-Tariff Income

4.13.1 The Non-Tariff Income comprises metering, late payment charges, 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 2018-19 was Rs. 4.51 Crs.

4.13.2 The Non-Tariff Income for FY 2018-19are as per actuals is Rs. 13.12 Crs. The details of non-tariff income (excluding revenue from UI power and other income) for FY 2018-19 are provided in Format 20 of the Tariff Filing Formats

4.13.3In view of above, the Hon'ble Commission is requested to kindly allow Non-Tariff Income of Rs. 13.12Crsfor FY 2018-19.

#### 4.14 Revenue from Sale of Power at Existing Tariff

4.14.1 The Revenue from Tariff for FY 2018-19 was Rs.1443.18Crs. The actual revenue earned from tariffs for FY 2018-19 is shown in the table below:

Table 4-16: Revenue from Tariff for FY 2018-19

S. No.	Particulars	Sales (MUs)	Revenue (Rs.Crs)
<b>LT Category</b>			
1	Domestic	711.56	205.97
2	OHOB	10.24	1.49
3	Commercial	212.85	140.85
4	Agriculture	59.86	2.98
5	Public Lighting	27.58	24.70
6	LT Industrial & Water Tank	159.59	92.98
7	Temporary Supply - LT&HT	8.12	8.12
	<b>Total LT</b>	<b>1,189.80</b>	<b>477.08</b>
<b>HT Category</b>			
9	HT 1 Industrial / Commercial	972.13	627.99
10	HT 2 - Government	66.06	56.45
11	HT 3 - EHT	416.55	244.14
12	<b>Total HT</b>	<b>1454.74</b>	<b>928.58</b>
13	<b>Total LT and HT</b>	<b>2644.54</b>	<b>1405.66</b>
14	Less Incentive to consumers (Net of penal charges)		-21.15
15	4% Surcharge		55.84
17	<b>Total</b>	<b>2,644.54</b>	<b>1,440.35</b>

4.14.1 Apart from the above-mentioned revenue, revenue of Rs. **2.65** Cr was billed to TNEB for drawl of power from PED for previous years up to year FY 2018-19.

4.14.2 In view of above, the Hon'ble Commission is requested to kindly allow Revenue of Rs.**1443.18**Crs.

#### 4.15 Aggregate Revenue Requirement for FY 2018-19

4.15.1 The Aggregate Revenue Requirement for FY 2018-19 as approved by the Hon'ble Commission was Rs. **1374.75**Crs against which the ARR for FY 2018-19 on basis of actuals is **Rs. 1516.03**Crs. The calculation for Aggregate Revenue Requirement on the basis of actuals for FY 2018-19 is shown below:



**Table 4-17: Calculation of ARR (Rs. Crs) for FY 2018-19**

S. No.	Particulars	Approved by Commission	Claimed in True-up
1	Cost of power purchase	1125.64	1312.35
2	Employee Costs	104.42	110.32
3	Administration and General Expenses	13.45	11.85
4	R&M expenses	26.51	4.47
5	Depreciation	43.39	31.93
6	Interest & Finance Charges	17.93	18.28
7	Interest on Working Capital + Interest on CSD	11.06	4.20
8	Return on NFA/ Equity	36.86	35.75
9	Provision for Bad Debt	0	0.00
10	<b>Total Revenue Requirement</b>	<b>1379.26</b>	<b>1529.15</b>
11	Less: Non- Tariff Income	4.51	13.12
12	<b>Net Aggregate Revenue Requirement</b>	<b>1374.75</b>	<b>1516.03</b>

4.15.2 The Petitioner hereby requests the Commission to approve the ARR of **Rs.1516.03Crs** for FY 2018-19 as submitted above.

**4.16 Revenue Gap for FY 2018-19**

4.16.1 The Revenue Gap approved by the Hon'ble Commission for FY 2018-19 was Rs. - **59.89Crs.**

4.16.2 The Revenue Gap as approved by the Hon'ble Commission and as calculated on the basis of actuals, for True up of FY 2018-19 is shown in the table below:

**Table 4-18: Revenue Gap (Rs. Crs) for FY 2018-19**

S. No.	Particulars	Approved	Actuals
1	Aggregate Revenue Requirement	1374.75	1516.03
2	Revenue from Sale of Power	1434.64	1443.18
3	<b>Revenue Gap/ (Surplus)</b>	<b>-59.89</b>	<b>72.85</b>

4.16.3 PED hereby requests Hon'ble Commission to approve the net Revenue Gap of **Rs.72.85Crs** for FY 2018-19.

**CHAPTER 5. ANNUAL PERFORMANCE REVIEW FOR FY 2019-20**

**5.1 Background to FY 2019-20 Petition**

5.1.1 PED had filed a petition for review of FY 2018-19 and ARR for FY 2019-20, before the Hon'ble Commission on 3rd December, 2018. The Hon'ble Commission after undertaking a thorough analysis had issued the Tariff Order for Financial Year 2019-20 on 20<sup>th</sup> May, 2019.

5.1.2 This chapter summarizes each of the components of ARR for FY 2019-20 and requests the Hon'ble Commission to review the performance for FY 2019-20. The Annual Performance Review for FY 2019-20 is based on actual data/ information for previous years, first 6 months (First Half – H1), as per the performance of PED, estimation/projections for remaining 6 months (Second Half – H2) and Business plan order given by the Commission for MYT period 2020-22 where the Commission approved revised estimates for FY 2019-20, wherever applicable.

**5.2 Number of Consumers**

5.2.1 Based on the methodology followed by the Commission in the Business plan order for MYT 2019-22, the Commission approved the revised estimates for the base year FY 2019-20. The Commission had approved 5.03 lakh consumers for FY 2019-20. PED is submitting the actual number of consumers for FY 2019-20 H1 along with the revised estimates for FY 2019-20 in the current APR petition for FY 2019-20. A comparison of the revised estimates with earlier approved numbers is shown below:

**Table 5-1: Details of Number of Consumers for FY 2019-20**

S. No.	Particulars	Approved	Actuals-H1	FY 2019-20 Revised Estimates
1	Domestic	346562	3,46,240	351304
2	OHOB	35537	8,808	8808
3	Commercial	56351	56,414	57197
4	Agriculture	7005	7,029	7029
5	Public Lighting	50899	51,012	51059
6	LT Industrial & Water Tank	6782	6,719	6743
7	<b>Total LT</b>	<b>503136</b>	<b>476222</b>	<b>482140</b>
8	HT 1 Industrial & Commercial	474	424	426
9	HT 2 Government	68	66	66
10	HT 3 EHT	7	7	7
11	<b>Total HT</b>	<b>549</b>	<b>497</b>	<b>499</b>
12	<b>Total LT and HT</b>	<b>503685</b>	<b>476719</b>	<b>482639</b>

5.2.2 It is requested to the Hon'ble Commission to consider the revised number of consumers as submitted in the above table for FY 2019-20.

### 5.3 Energy Sales

5.3.1 The Commission approved sales of **2649.11** MUs in ARR order for FY 2019-20. In the current APR petition for FY 2019-20, PED has considered the sales as approved by the Commission in the Business Plan order dated 31.10.2018. The revised sales for FY 2019-20 are **2830.21** MUs. PED submits the revised figure for FY 2019-20.

Table 5-2: Sales (MUs) for FY2019-20

S. No.	Particulars	Approved in T.O.	Actuals- H1	FY 2019-20 Revised Estimates
1	Domestic	774.95	445.03	848.34
2	OHOB	10.49	3.79	7.39
3	Commercial	236.55	119.30	230.11
4	Agriculture	57.92	24.96	57.9
5	Public Lighting	24.48	12.24	24.5
6	LT Industrial & Water Tank	185.61	98.59	192.25
7	Temporary Supply - LT&HT	10.27	4.04	8.08
8	<b>Total LT</b>	<b>1300.27</b>	<b>707.96</b>	<b>1368.56</b>
9	HT 1 Industrial & Commercial	902.73	500.63	984.18
10	HT 2 Government	119.08	36.66	72.04
11	HT 3 EHT	327.03	206.14	405.42
12	<b>Total HT</b>	<b>1348.84</b>	<b>743.43</b>	<b>1461.65</b>
13	<b>Total LT and HT</b>	<b>2649.11</b>	<b>1451.39</b>	<b>2830.21</b>

5.3.2 It is requested to Hon'ble Commission to approve the revised sales of **2830.21** MUs for FY 2019-20.

### 5.4 Distribution Loss & Energy Requirement

5.4.1 The Hon'ble Commission had approved energy loss of 12.50% in the Business Plan for the second MYT control period FY2019-22. PED has considered the loss as approved by the Commission in the Tariff order i.e. 12.5% for H2 FY 2019-20. Energy balance based on revised estimate of sales and power purchase and are given in the table below –

Table 5-3: Distribution Loss and Energy Balance for FY 2019-20

S. No.	Particulars	H1-Actuals	H2	FY 2019-20
A)	<b>Energy Requirement</b>			
1	Metered Sales	1417.18	1344.62	2761.80
2	Unmetered Sales	34.21	34.21	68.41
3	<b>Total Sales within the UT</b>	<b>1451.39</b>	<b>1378.82</b>	<b>2830.21</b>
4	Energy Drawal by TANGEDGO	5.38	5.38	10.76
5	Sales to Electricity Traders / Power Exchange			
6	Sale to Open access Consumers			
7	<b>Total Sales</b>	<b>1456.77</b>	<b>1384.20</b>	<b>2840.97</b>
8	<b>T&amp;D Losses</b>			
a	Loss (%)	12.00%	12.50%	12.24%
b	Loss (MU)	197.92	196.97	394.89
9	<b>Total Energy Requirement</b>	<b>1654.69</b>	<b>1581.17</b>	<b>3235.86</b>

S. No.	Particulars	H1-Actuals	H2	FY 2019-20
B)	<b>Energy Availability</b>			
1	Net Power Purchase (ex Bus)	1599.30	1505.66	3104.96
2	Own Generation (PPCL+Renewable)	97.55	119.42	216.96
3	Power purchase from Common Pool / UI-overdrawal / Traders / Exchange / Others			
4	UI Underdrawal			
5	Open Access Power Purchase at periphery			
6	<b>Net Power Purchased (1+2+3-4+5)</b>	<b>1696.84</b>	<b>1625.08</b>	<b>3321.92</b>
7	Transmission Losses	42.15	43.90	86.06
	Transmission Losses (%)	2.64%	2.92%	2.77%
8	<b>Total Energy Availability (4-5-6)</b>	<b>1654.69</b>	<b>1581.18</b>	<b>3235.86</b>
9	<b>Deficit/(Surplus)</b>	<b>0</b>	<b>0</b>	<b>0</b>

5.4.2 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.

5.4.3 PED requests the Hon'ble Commission to approve the above Energy Balance for FY 2019-20.

## 5.5 Power Purchase Quantum

5.5.1 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. 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. The New Neyveli Thermal Power Station is expected to supply power to PED from December, 2019. The details of power purchase quantum and cost are provided in Format 4 of the Regulatory Formats.

5.5.2 The actual power purchase quantum for H1 of FY 2019-20 is **1696.84** MUs and power purchase cost of Rs. **664.35** Crs. However, for the purpose of the estimation of purchase quantum for H2 for FY 2019-20, PED has considered the revised estimates of power purchase quantum in line with the Variable and Fixed Costs approved by Hon`ble Commission in Tariff order dated 20.05.2019.

5.5.3 PED further submits that the estimated transmission/PGCIL losses for FY 2019-20 are **2.77%**. PED requests the Hon`ble Commission to approve the same.

5.5.4 Accordingly, the revised power purchase quantum for FY 2019-20 is **3321.92** MUs

## 5.6 Cost of Power Purchase for FY 2019-20

5.6.1 **Power Purchase quantum for FY 2019-20:** For the year FY 2019-20, PED has considered the revised estimates of power purchase quantum in line with the Variable and Fixed Costs approved by Hon`ble Commission in Business Plan order dated 31.10.2018 and Tariff order dated 20.05.2019. The revised power purchase quantum for FY 2019-20 is **3321.92** MUs.

5.6.2 Following assumptions have been considered for projecting the quantum and cost of power purchase:

### 5.6.2.1 Fixed Charges:

PED has considered the same Fixed Charges as approved by the Commission in Business Plan order dated 31.10.2018 and tariff order for FY 2019-20.

### 5.6.2.2 Variable Charges:

The petitioner has considered the per unit variable costs of FY 2019-20, as approved by the Commission in Business Plan order dated 31.10.2018 and tariff order for FY 2019-20 and has calculated the revised projections of base year FY

2019-20 w.r.t to power purchase projections for respective Central Generating Stations.

5.6.2.3 PGCIL losses: PED submits that the estimated transmission/PGCIL losses for FY 2019-20 are 2.92%. 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.

5.6.2.4 Transmission Charges: The petitioner has considered the actual transmission charges paid by the Petitioner for H1 FY 2019-20 in this Petition and has accordingly calculated the transmission charges for FY 2019-20 as a whole.

### 5.6.3 Renewable Purchase Obligations

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."*

5.6.3.1 The RPO requirements as per the JERC (Procurement of Renewable Energy) third Amendment Regulations dated 22nd August 2016 has been considered for FY 2019-20.

5.6.3.2 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.

5.6.3.3 The cumulative RPO obligation pending as on 1.4.2019 was MUs (95.16 MUs Solar & 136.05 MUs Non-Solar). The Total RPO Obligation for FY 2019-20 is **11.50%** (i.e. **4.70%** Solar & **6.80%** Non-Solar) amounting to stand alone obligation of **322.87** MUs for FY 2019-20 ( **131.96** MU Solar & 190.92 MUs Non-Solar).

5.6.3.4 The RPO compliance cost is also included in the Power Purchase cost which was arrived upon as follows:

Table 5-4: RPO Obligation for FY 2019-20

RPO Computations for FY 2019-20				
Particulars	Obligation as % of total energy requirement	Obligation for FY19-20	Carried Forward from FY18-19	Total Obligation to be met during FY 2019-20
Sales within the state - MUs		2,830.21		
Net Energy Reqt for RPO Compliance purpose - Mus		325.47	473.25	798.72
RPO Energy	11.50%			
Solar	4.70%	133.02	196.09	329.11
Non-Solar	6.80%	192.45	277.15	469.61

Table 5-5: RPO Compliance Cost for FY 2019-20

FY 2019-20			
RPO Obligation		Physical	REC
Obligation Planned to be met	Solar	6.75	126.27
	Non-Solar	0.00	192.45
Cumulative RPO Obligation left	Solar	196.09	
	Non-Solar	277.15	
Floor Price of REC Certificates (Rs./MWH)			
- Solar		2305	
- Non Solar		1736	
Amount for RPO Compliance (Rs. Cr.)		0	62.51
- Solar		0	29.10
- Non Solar		0	33.41
<b>Total (Rs Crores)</b>		62.51	

5.6.3.5 As outlined in the above table, PED envisages to comply with the standalone RPO obligation for FY 2019-20 i.e. **325.47** MUs by buying RECs (**126.27** MUs Solar & **192.45** MUs Non-Solar) and **6.75** MUs from Solar Rooftop Net-metering. The estimated cost towards RPO compliance is Rs. **62.51** Crs for FY 2019-20. The opening RPO obligation balance of FY 2019-20 i.e. **473.25** MUs is planned to be met in the year FY 2021-22. PED is also envisaging developing renewable (both solar & non-solar) power sources to meet its RPO obligation through physical renewable energy in future.

5.6.4 Estimated Power Purchase Cost Summary for FY 2019-20 is outlined as below:

Table 5-6: Power Purchase Cost for FY 2019-20

S. No.	Particulars	H1- Actuals (FY 2019-20)		H2-Rev. Estimates (FY 2019-20)		Rev. Estimates (FY 2019-20)	
		Purchase (MUs)	Cost (Rs. Cr.)	Purchase (MUs)	Cost (Rs. Cr.)	Purchase (MUs)	Cost (Rs. Cr.)
1	NTPC	643.14	210.58	587.19	194.69	1230.33	405.27
2	NLC and NTPL	508.87	189.30	482.03	192.59	990.90	381.88
3	NPCIL	367.48	140.23	298.67	112.27	666.14	252.50
4	KSEB						
5	TANGEDCO						
6	PPCL	97.55	46.61	119.42	49.64	216.96	96.25
7	NTECL-Vallur	79.81	51.64	80.94	43.48	160.75	95.11
8	New NLC TS-I			56.83	24.09	56.83	24.09
9	Solar Generation						
10	Open market						
11	OA Power purchase						
12	Transmission Charges		25.99		25.99		51.99
13	RPO Obligations				62.51		62.51
14	Credit from NTPC						
15	Power purchase arrears						
16	Total	1696.84	664.35	1625.08	705.26	3321.92	1369.61

5.6.5 The Petitioner hereby requests the Commission to approve the revised estimate of power purchase cost of Rs. **1369.61**Cr for FY 2019-20 as submitted above.

## 5.7 Operation & Maintenance Expenses

5.7.1 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.

### 5.7.2 Employee Expenses:

5.7.2.1 The employee expenses for FY2019-20 were approved by the Hon'ble Commission in the Tariff Order dated 20<sup>th</sup> May, 2019 (ARR for the 2<sup>nd</sup> MYT Control Period FY2019-20- FY2021-22).



- 5.7.2.2 However, the last approved employee cost by Hon'ble commission was based on the average employee costs of FY2014-15, FY2015-16 and FY2016-17, while the actual employee costs of FY2015-16 and FY2016-17 were much higher than the average employee cost taken as a base. (excluding 7<sup>th</sup> Pay Commission impact).
- 5.7.2.3 Thus, the petitioner submits that for the revised estimates of FY 2019-20, the actual Employee costs for FY2018-19 is taken as the base for employee cost i.e. Rs. **110.32 Cr**, along with the most recent inflation factor available.
- 5.7.2.4 As per the MYT regulations, 2018, the relevant inflation factor would be last 3 year's average Consumer Price Index (CPI). The average CPI index for FY 16-17, FY 17-18 and FY 18-19 inflation factor is 4.22%. However, the CPI inflation for FY 18-19 was 5.45%. Thus, the petitioner requests the commission to consider 5.45% as the relevant inflation factor for estimating the Employee cost for FY 2019-20.

**Table 5-7: Employee Expenses for FY 2019-20 (Rs. Crs)**

S. No.	Particulars	Approved by Commission (Rs. Crs.)	FY2019-20 Revised Estimates/Projected
1	Employee Expenses	106.16	116.33

- 5.7.2.5 Thus, the petitioner requests the Hon'ble commission to kindly allow the above Employee Costs of Rs. **116.33Crs** for FY 2019-20, subject to true-up.

**5.7.3 Repairs& Maintenance Expenses:**

- 5.7.3.1 The Repair & Maintenance expenses for FY2019-20 were approved by the Hon'ble Commission in the Tariff Order dated 20<sup>th</sup> May, 2019 (ARR for the 2<sup>nd</sup> MYT Control Period FY2019-20- FY2021-22).
- 5.7.3.2 The petitioner submits that the R&M expense is being met from budgetary provision and therefore is limited to the amount allocated under such budgetary provision only. Since, the budgetary provision for FY 2019-20 for R&M expense is Rs. **6.74Cr**. Thus, it requests the Hon'ble commission to approve the same for FY 2019-20 as the R&M expense for FY 2019-20.

**Table 5-8: R&M Expenses for FY 2019-20 (Rs. Crs)**

S. No.	Particulars	Approved by Commission (Rs. Crs.)	FY2019-20 Revised Estimates/Projected
1	R&M Expenses	11.44	6.74

- 5.7.3.3 In view of the above, the Hon'ble Commission is requested to kindly allow the above Repair and Maintenance Expenses of Rs.**6.74Crs**forFY 2019-20, subject to true-up.



**5.7.4 Administration & General expenses for FY 2019-20:**

5.7.4.1 The Administration & General expenses for FY2019-20 were approved by the Hon'ble Commission in the Tariff Order dated 20<sup>th</sup> May, 2019 (ARR for the 2<sup>nd</sup> MYT Control Period FY2019-20- FY2021-22).

**Table 5-9: A&G Expenses for FY 2019-20 (RS. Crs)**

S. No.	Particulars	Approved by Commission (Rs. Crs.)	FY2019-20 Revised Estimates/Projected
1	A & G Expenses	12.83	12.83

5.7.5 **O&M Expenses Summary FY 2018-19:** Based on the foregoing paragraphs, the revised O&M expenses for the year FY 2019-20 vis-a-vis the approved level by the Hon'ble Commission is shown in the table below:

**Table 5-10: O&M Expenses for FY 2019-20 (Rs. Crs)**

Summary of O&M Expenses for FY 2019-20		
Particulars	Approved by commission (Rs. Crs.)	Actuals (Rs. Crs)
A&G Costs	12.83	12.83
R&M Expenses	11.44	6.74
Employee Cost	106.16	116.33
<b>Total O&amp;M Expenses</b>	<b>130.43</b>	<b>135.90</b>

5.7.6 The Hon'ble Commission is requested to approve the O&M Expenses of Rs. 135.90 Crs as shown in the table above. The details of O&M expense for FY 2019-20 are provided in the Formats 13, 15 & 16 of the Tariff Filing Formats.

**5.8 Capital Work in Progress, GFA and Depreciation**

**GFA:** The Opening Balance of GFA for FY 2019-20 comes to Rs.799.51Crs.The Commission, in the last tariff order had allowed Capitalization of83.25 Crs,.

Based on the budgetary provisions, the additions to GFA for FY 2019-20 is estimated to be Rs. 49.14Crs, as provided in the table below:

Table 5-11: GFA (Rs. Crs) Revised Estimates

S. No.	Particulars	Approved by commission (Rs. Crs.)	Actuals
1	Opening value of the assets at the beginning of the year	794.97	799.51
2	GFA Additions during the year	83.25	49.14
3	Grant Provided by GOI	0.0	0.0
4	Value of assets sold/disposed off	0	0
5	<b>Gross Fixed Assets at the end of the year (Net of Grants)</b>	<b>878.22</b>	<b>848.65</b>

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

5.8.2 **Depreciation:** As per JERC MYT Regulations 2018, the depreciation rates as specified by CERC have been adopted for calculation of depreciation on different asset categories.

5.8.3 As per the GFA and the applicable depreciation rates, PED has calculated the depreciation for the year FY 2019-20 as Rs.30.26 Crs. The table shows the working of depreciation.

Table 5-12: Depreciation (Rs. Crs) for FY 2019-20

S. No.	Particulars	Approved by Commission	Revised Estimates
1	Opening value of the assets at the beginning of the year	794.97	799.51
2	Additions during the year (Net of Grants)	83.25	49.14
3	Value of assets sold /disposed off		-
4	<b>Gross Fixed Assets at the end of the year (Net of Grants)</b>	<b>859.01</b>	<b>848.65</b>
5	<b>Net Depreciation for the year</b>	<b>13.97</b>	<b>30.26</b>
6	<b>Average Depreciation Rate</b>	<b>1.69%</b>	<b>3.67%</b>

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

## 5.9 Interest & Finance Charge

5.9.1 The petitioner has estimated the Interest and Finance charges as per the JERC MYT Regulations, 2018 for the year FY 2019-20.

5.9.2 PED has submitted that the majority of 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 2019-20 is Rs. **19.40**Crs. The summary of Interest and Finance Charges as claimed by the petitioner and as approved by the Commission for FY 2019-20 along with revised estimates is tabulated below:

**Table 5-13: Interest & Finance Charges (Rs. Crs) for FY 2019-20**

S. No.	Particulars	Approved	Revised Estimates
1	Opening Normative Loan	115.64	139.56
2	Add: Normative Loan during the Year	58.93	34.40
3	Less: Normative Repayment	13.97	30.26
4	Closing Normative Loan	160.60	143.69
5	Average Normative Loan	138.12	141.63
6	Rate of Interest(@SBAR)	9.23%	13.7%
7	<b>Interest on Normative Loan</b>	<b>12.75</b>	<b>19.40</b>
8	Other Finance Charges	0.00	0.00
9	<b>Total Interest and Finance Charges</b>	<b>12.75</b>	<b>19.40</b>

5.9.3 It is submitted that PED has considered an addition of Rs. **49.14**Crs in the Gross Fixed Assets for FY 2019-20, which are considered to be funded through normative debt to the tune of 70%. The rate of interest considered is prevailing Prime Lending Rate of the State Bank of India as on 1<sup>st</sup>April of that relevant year.

5.9.4 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.

5.9.5 The Hon'ble Commission is requested to approve the Interest & Finance Charges at Rs.**19.40**Crs as shown in the table for FY 2019-20. The details of Interest & Finance charges are provided in Format 10A of the Tariff Filing Formats.

#### 5.10 Interest on Working Capital

5.10.1 The petitioner has estimated the interest on working capital for FY 2019-20 as per JERC MYT Regulations, 2018.

5.10.2 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.

5.10.3 The Interest on Working Capital approved by the Hon'ble Commission for the FY 2019-20 was Rs. 3.07 Cr. On the basis of the revised estimates for FY 2019-20, the interest on working capital comes to Rs. 5.00 Cr.

**Table 5-14: Interest on Working Capital for FY 2019-20 (Rs. Crs)**

S. No.	Particulars	Approved	Revised Estimates
1	Receivable - 2 months	249.49	265.08
2	Less :Power Purchase - 1 months	11.78	11.33
3	Less : Inventory for two months	0.41	0.22
4	Less: Security Deposit Opening Bal.	-231.44	-229.24
5	<b>Total</b>	<b>30.24</b>	<b>47.40</b>
6	<b>Interest Rate</b>	<b>10.15%</b>	<b>10.55%</b>
7	<b>Interest on working capital</b>	<b>3.07</b>	<b>5.00</b>

5.10.4 The Hon'ble Commission is requested to approve the Interest on Working Capital of Rs. 5.00 Crs as shown in the table above.

#### 5.11 Security Deposits

5.11.1 The prevailing Bank rate is considered as notified by Reserve Bank of India with effect from 1<sup>st</sup>April of the relevant financial year for estimating the normative interest on Security Deposits for FY 2019-20.

**Table 5-15: Interest on Security Deposit for FY 2019-20 (Rs. Crs)**

S. No.	Particulars	Approved	Revised Estimates
1	Opening Security Deposit	220.06	218.36
2	Add: Deposits during the year	22.78	21.74
3	Closing Security Deposit	242.83	240.11
4	Bank Rate	8.70%	6.25%
5	<b>Interest on Security Deposit</b>	<b>20.14</b>	<b>14.33</b>
6	<b>Interest on Security Paid to Consumers</b>		<b>5.00</b>

5.11.2 The Hon'ble Commission is requested to approve the Interest on Security Deposit of Rs.5.00Crs as shown in the table above which is expected to be paid during the year.

#### 5.12 Provision for bad debts

5.12.1 PED is not claiming any provision for bad & doubtful debts in the ARR of FY 2019-20 for pass through in tariff to consumers and may consider during true-up of the FY 2019-20 as per audited financial statements.

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

### 5.13 Return on Equity

5.13.1 The MYT Regulations 2018 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.

5.13.2 In line with the methodology adopted by the Hon'ble Commission in previous tariff orders, the capital base for closing of the FY 2018-19 as per the last chapter is considered. Further, an equity addition in FY 2019-20 equal to 30% of asset capitalized in FY 2019-20 has been considered.

5.13.3 In line with the 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 2019-20.

Table 5-16: Return on Equity (Rs. Cr) for FY 2019-20

S. No.	Particulars	Approved	Revised Estimates
1	Opening Equity Amount	238.49	239.85
2	Equity Addition during year (30% of Capitalization)	15.19	14.74
3	Closing Equity Amount	253.68	254.6
4	Average Equity Amount	246.09	247.2
5	Average Equity-Wires Business	221.48	222.5
6	Average Equity (Retail Supply Business)	24.61	24.72
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	34.33	34.49
10	Return on Equity for Retail Supply Business	3.94	3.96
11	Total Return on Equity	38.27	38.44

5.13.4 In view of above, the Hon'ble Commission is requested to kindly allow the above Return on Equity of Rs.38.44Crs.

### 5.14 Non-Tariff Income

5.14.1 The Non-Tariff Income comprises metering, late payment charges, 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 ARR for FY 2019-20 was Rs. 4.51 Crs.

5.14.2 The Non-Tariff Income for FY 2019-20 was estimated considering the non-tariff income for FY 2018-19 and is considered to remain same for FY 2019-20.

5.14.3 In view of above, the Hon'ble Commission is requested to kindly allow Non-Tariff Income of Rs. **13.12** Crs.

**5.15 Revenue from Sale of Power at Existing Tariff**

5.15.1 The Revenue from Tariff for FY 2019-20 approved by the Hon'ble Commission was Rs. **1568.35**Crs. The Revenue from Tariff for FY 2019-20 as per revised estimates comes to Rs.**1,600.12**Crs. The summary of Revenue from Tariff as claimed by PED in the ARR for FY 2019-20, as approved by the Commission and as per revised estimates for FY 2019-20, is tabulated below:

Table 5-17: Revenue from Tariff for 2019-20

S. No.	Particulars	Revenue (Rs.Crs)		
		H1-Actual	H2-Rev. Estimates	FY 2019-20 Rev. Estimates
<b>LT Category</b>				
1	Domestic	139.65	126.55	266.20
2	OHOB	1.49	0.00	1.49
3	Commercial	82.06	76.49	158.56
4	Agriculture	1.49	1.49	2.98
5	Public Lighting	11.32	11.33	22.65
6	LT Industrial	46.52	44.22	90.74
7	Water Tank	12.87	12.23	25.10
8	Temporary Supply-LT&HT	3.94	3.94	7.88
	<b>Total LT</b>	<b>299.35</b>	<b>276.26</b>	<b>575.61</b>
<b>HT Category</b>				
9	HT 1 Industrial / Commercial	333.14	323.96	657.10
10	HT 2 - Others	30.65	29.82	60.48
11	HT 3 - EHT	124.53	121.04	245.57
12	<b>Total HT</b>	<b>488.33</b>	<b>474.82</b>	<b>963.15</b>
13	<b>Total LT and HT</b>	<b>787.67</b>	<b>751.08</b>	<b>1,538.75</b>
14	Less Incentive to consumers (Net of penal charges)			
15	4% Surcharge	31.45	29.92	61.37
17	<b>Total</b>	<b>819.12</b>	<b>781.00</b>	<b>1,600.12</b>

5.15.2 In view of above, the Hon'ble Commission is requested to kindly allow Revenue of Rs.1,600.12 Crs (including Regulatory Surcharge of 4%) for FY 2019-20.

#### 5.16 Aggregate Revenue Requirement for FY 2019-20

5.16.1 The Aggregate Revenue Requirement for FY 2019-20 approved by the Hon'ble Commission in the Tariff order for FY 2019-20 was Rs. 1508.94Cr. The calculation for Aggregate Revenue Requirement on the basis of revised estimates for FY 2019-20 is shown below:



Table 5-18: Calculation of ARR (Rs. Crs) for FY 2019-20

S. No.	Particulars	Approved by Commission	Revised Estimates
1	Cost of power purchase	1282.96	1369.61
2	Employee Costs	106.16	116.33
3	Administration and General Expenses	12.83	12.83
4	R&M expenses	11.44	6.74
5	Depreciation	30.60	30.26
6	Interest & Finance Charges	12.19	19.40
7	Interest on Working Capital	6.73	5.00
8	Interest on CSD	12.28	5.00
9	Return on NFA/ Equity	38.27	38.44
10	Provision for Bad Debt	0.00	0.00
11	<b>Total Revenue Requirement</b>	<b>1513.45</b>	<b>1603.62</b>
12	Less: Non- Tariff Income	4.51	13.12
13	<b>Net Aggregate Revenue Requirement</b>	<b>1508.94</b>	<b>1590.50</b>

Table 5-19: Segregation of Wheeling and Supply Business FY 2019-20

Segregation of ARR for FY 2019-20						
Sr. No.	Item of expense	Wheeling Business	Retail Supply Business	Wheeling Business	Retail Supply Business	Total
		%	%	FY 2019-20		
1	2	3	4	5	6	7
1	Cost of fuel					
2	Cost of power purchase	0%	100%	-	1,369.61	1,369.61
3	Employee costs	40%	60%	46.53	69.80	116.33
4	R&M expenses	90%	10%	11.55	1.28	12.83
5	Administration and General expenses	50%	50%	3.37	3.37	6.74
6	Depreciation	90%	10%	27.24	3.03	30.26
7	Interest & Financial charges	90%	10%	17.46	1.94	19.40
8	Interest on Working Capital	10%	90%	0.50	4.50	5.00
9	Return on NFA/Equity	90%	10%	222.50	24.72	38.44
10	Provision for Bad Debt	0%	100%	-	-	-
11	Interest on Consumer Security Deposit	10%	90%	0.50	4.50	5.00
12	<b>Total Revenue Requirement</b>			<b>329.65</b>	<b>1,482.75</b>	<b>1,603.62</b>
13	Less: Non Tariff Income	10%	90%	1.31	11.81	13.12
14	<b>Net Revenue Requirement (12-13)</b>			<b>328.34</b>	<b>1,470.94</b>	<b>1,590.50</b>

5.16.2 PED hereby requests the Hon'ble Commission to approve the revised ARR of Rs.1590.50 Crs for FY 2019-20 as submitted above.

#### 5.17 Revenue Gap for FY 2019-20

5.17.1 The Revenue Gap as claimed by PED, approved by the Hon'ble Commission for FY 2019-20 and as calculated on the basis of revised estimates is shown in the table below:

Table 5-20: Revenue Gap (Rs. Crs) for FY 2019-20

S. No.	Particulars	Approved	Revised Estimates
1	Aggregate Revenue Requirement	1508.94	1590.50
2	Revenue from Sale of Power	1568.35	1600.24
3	<b>Revenue Gap/ (Surplus)</b>	-59.41	-9.74

5.17.2 In view of above, the Hon'ble Commission is requested to kindly allow the revenue gap/(surplus)of FY 2019-20as Rs. -9.74 Cr.

## CHAPTER 6. ANNUAL REVENUE REQUIREMENT FOR FY 2020-21

### 6.1 Preamble

- 6.1.1 The Joint Electricity Regulatory Commission notified the Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Multi Year Distribution Tariff) Regulations, 2018. As per the same, the tariff for the distribution business of electricity is determined by the Hon'ble Commission under the (Multi Year Distribution Tariff) Regulations, 2018 framework.
- 6.1.2 As per JERC MYT Regulations, 2018, MYT petition for a licensee shall be on the basis of the business plan approved by the Hon'ble Commission.
- 6.1.3 The JERC MYT Regulations, 2018 directs the Distribution licensee to submit their Multi-Year Business Plan for the Control Period FY 2019-20 to FY 2021-22, which Electricity Department, Puducherry had submitted in August, 2018 which was in line with the MYT Regulations and the Commission approved at same vide order dated 31<sup>st</sup> October 2018.
- 6.1.4 Based on the MYT regulations and the Business plan order dated 31<sup>st</sup> October 2018, this ARR petition is being filed by the petitioner for FY 2020-21. This chapter provides the details of the expenditure estimates of PED which are the components of the ARR for the entire Control Period for FY 2020-21 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 2020-21.

### 6.2 Principles for determination of ARR for MYT period

- 6.2.1 This Chapter summarises the Aggregate Revenue Requirement (ARR) for FY 2020-21. The projections have been made based on the figures and norms approved by the Hon'ble Commission in its Business plan order.
- 6.2.2 PED would like to submit that the Business Plan was prepared keeping in mind the growth plan for the MYT Control Period after considering the strengths and weaknesses of the department and evaluating its business environment.
- 6.2.3 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.

6.2.4 The Annual Revenue Requirement for the MYT Control Period is projected based on the methodology followed by the Commission in the Business plan order dated 31.10.2018 and the figures approved by the Commission in the same have been considered for determining ARR for FY 2020-21.

### 6.3 Sales for the Control Period

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

Table 6-1: Sales approved for FY 2020-21 (in MUs)

S. No.	Sales (MU)	Approved as per T.O. dt 20.05.2019 (Rs. Crs.)	Revised Estimates
1	Domestic	802.15	895.28
2	OHOB	10.61	7.39
3	Commercial	247.31	271.67
4	Agriculture	58.08	60.75
5	Street lighting	24.48	24.48
6	LT Industries + Water tank	185.61	202.51
7	Temp LT	11.31	11.12
8	HT-I	905.44	1008.51
9	HT-II	130.98	73.84
10	HT-III	327.1	415.53
11	<b>Total</b>	<b>2703.07</b>	<b>2,971.07</b>

Table 6-2: Number of Consumers approved for FY 2020-21

S. No.	Particulars	Approved as per T.O. dt 20.05.2019 (Rs. Crs.)	Revised Estimates
1	Domestic	357410	363093
2	OHOB	35537	8808
3	Commercial	57586	58767
4	Agriculture	7038	7029
5	Public Lighting	51133	51153
6	LT Industrial & Water Tank	6839	6791
7	<b>Total LT</b>	<b>515543</b>	<b>495641</b>
8	HT 1 Industrial & Commercial	485	429
9	HT 2 Others	72	66
10	HT 3 EHT	7	7
11	<b>Total HT</b>	<b>564</b>	<b>502</b>
12	<b>Total LT and HT</b>	<b>516107</b>	<b>496143</b>

#### 6.4 Distribution Loss

6.4.1 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 approved by the Hon'ble Commission in the business plan order is mentioned below and the same has been considered for projecting Energy requirement at the periphery.

Table 6-3: Loss reduction trajectory for the MYT Control Period

FY 2020-21	FY 2021-22
Approved	Approved
11.75%	11.00%

#### 6.5 Energy Balance

6.5.1 While calculating energy balance of PED, the UI sale has not been projected for the control period. Only 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.

6.5.2 Based on the approved Sales and distribution loss trajectory during MYT Control period, the Energy requirement approved by the Commission is shown in the following table:

Table 6-4: Energy Requirement & Energy Balance proposed for FY 2020-21

S. No.	Particulars	Revised Estimates
A)	<b>Energy Requirement</b>	
1	Metered Sales	2899.71
2	Unmetered Sales	71.36
3	<b>Total Sales within the UT</b>	<b>2971.07</b>
4	Energy Drawal by TANGEDGO	0.00
5	Sales to Electricity Traders / Power Exchange	0.00
6	Sale to Open access Consumers	0.00
7	<b>Total Sales</b>	<b>2971.07</b>
8	<b>T&amp;D Losses</b>	0.00
a	Loss(%)	12.00%
b	Loss (MU)	405.15
9	<b>Total Energy Requirement</b>	<b>3376.22</b>

S. No.	Particulars	Revised Estimates
B)	<b>Energy Availability</b>	
1	Net Power Purchase (ex Bus)	3142.73
2	Own Generation (PPCL+Renewable)	325.12
3	Power purchase from Common Pool / UI-overdrawal / Traders / Exchange / Others	0.00
4	UI Underdrawal	0.00
5	Open Access Power Purchase at periphery	0.00
6	<b>Net Power Purchased (1+2+3-4+5)</b>	<b>3467.86</b>
7	Transmission Losses	91.64
	Transmission Losses (%)	2.92%
8	<b>Total Energy Availability (4-5-6)</b>	<b>3376.21</b>
9	<b>Deficit/(Surplus)</b>	<b>0.00</b>

6.5.3 PED request the Hon'ble Commission to approve the Energy Balance for FY2020-21 as submitted in this petition.

#### 6.6 Power Purchase Quantum

6.6.1 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. The New Neyveli Thermal Power Station is expected to supply power to PED from December, 2019.

6.6.2 PED further submits that the approved transmission/PGCIL loss for FY 2019-20 is 2.92%. PED requests the Hon'ble Commission to approve the same.

6.6.3 PED submits that the energy requirement as per the above Energy balance is **3467.86** MUs. Thus, PED requests the Hon'ble Commission to approve the same.

#### **6.7 Cost of Power Purchase for the MYT Control Period**

6.7.1 PED has projected the net power purchase quantum for FY 2020-21, as approved by the Hon'ble Commission in Business Plan order as **3467.86** MUs.

6.7.2 Following assumptions have been considered for projecting the quantum and cost of power purchase:

##### **6.7.2.1 Fixed Charges:**

The Hon'ble Commission has approved the Fixed Charges for the Power Stations in the Tariff Order dated 20<sup>th</sup> May, 2019. The approved Fixed Charges of the Power stations has been taken into account in estimating the Fixed Charges for FY 2020-21.

##### **6.7.2.2 Variable Charges:**

The Hon'ble Commission has approved the Variable Charges for the Power Stations in the Tariff Order dated 20<sup>th</sup> May, 2019. The approved Variable Charges of the Power stations has been taken into account in estimating the Variable Charges for FY 2020-21.

6.7.2.3 PGCIL losses: PED submits that the estimated transmission/PGCIL losses for FY 2020-21 are 2.92%. PED, as approved by the Hon'ble Commission. Losses for PPCL have been considered as nil as they are within the periphery of the licensee area.

6.7.2.4 Transmission Charges: The petitioner has considered the estimated transmission charges to be paid by the Petitioner for FY2019-20 in the tariff order and has accordingly considered the same transmission charges for revised estimates for FY 2019-20, subject to true-up.

#### **6.7.3 Renewable Purchase Obligation and Cost for the Control Period:**

6.7.3.1 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.

6.7.3.2 PED submits that it is obliged to comply with the Renewable Purchase Obligation and therefore has projected the RPO cost for MYT Control Period. The cumulative RPO obligation expected to be as on 1.4.2020 is MUs ( 95.16 MUs Solar & 136.05 MUs Non-Solar). The Total RPO Obligation for FY 2019-20 is **11.50%** (i.e. **6.00% Solar & 6.80% Non-Solar**) amounting to stand alone obligation of 418.92 MUs for FY 2019-20 ( **178.26** 131.96 MU Solar & 190.92 240.66 MUs Non-Solar).

6.7.3.3 The PED submits that request has already been made to MNRE / SECI to allocate 100 MW Wind Power and signing of the PPA is in process for the same. Similarly, request has also been made to NTPC and MNRE / SECI for allocation of 100 MW and 50 MW of Solar Power respectively and the same is in process. PED plans to procure physical Wind energy of 100 MW of Wind Power for about 6 months and physical solar energy of 50 MW for about 3 months in FY 2020-21.

6.7.3.4 Accordingly, the RPO plan and Cost to fulfill RPO obligation is as under:

Table 6-5: RPO Obligation for FY 2020-21

RPO Computations for FY 2020-21				
Particulars	Obligation as % of total energy requirement	Obligation for FY20-21	Carried Forward from FY19-20	Total Obligation to be met during FY 2020-21
Sales within the state - MUs		2,971.07		
<b>Net Energy Req<sup>t</sup> for RPO Compliance purpose - Mus</b>		<b>418.92</b>	<b>473.25</b>	<b>892.17</b>
<b>RPO Energy</b>	<b>14.10%</b>			
<i>Solar</i>	<i>6.00%</i>	<i>178.26</i>	<i>196.09</i>	<i>374.36</i>
<i>Non-Solar</i>	<i>8.10%</i>	<i>240.66</i>	<i>277.15</i>	<i>517.81</i>



Table 6-6: RPO Cost for FY 2020-21

FY 2020-21			
RPO Obligation		Physical	REC
Obligation Planned to be met	Solar	41.25	137.01
	Non-Solar	90.00	150.66
Cumulative RPO Obligation left	Solar	196.09	
	Non-Solar	277.15	
Floor Price of REC Certificates (Rs./MWH)			
- Solar			2305
- Non Solar			1736
Amount for RPO Compliance (Rs. Cr.)		30.27	57.74
- Solar		4.71	31.58
- Non Solar		25.56	26.15
<b>Total (Rs Crores)</b>			<b>88.00</b>

6.7.3.5 As outlined in the above table, PED envisages to comply with the standalone RPO obligation for FY 2020-21(Including estimated 22.5 MUs from Solar Rooftop Net-metering). The estimated cost towards RPO compliance is Rs.88.00 Crs for FY 2020-21. The opening RPO obligation balance of FY 2019-20 (the same RO obligation is expected to be opening RPO obligation for FY 2020-21) i.e. 473.25MUs is planned to be met in the year FY 2021-22.

6.7.3.6 PED requests Hon`ble Commission to kindly approve the above-mentioned Renewable energy quantum and renewable energy cost of physical power and RECs to meet the outstanding RPO obligation.

6.7.4 The total power purchase quantum and cost for FY 2020-21 is as under:

Table 6-7: Power Procurement Cost for FY 2020-21

S. No.	Particulars	Rev. Estimates (FY 2020-21)		
		Purchase (MUs)	Cost (Rs. Cr.)	Rate (Rs./unit)
1	NTPC	1171.18	389.38	3.32
2	NLC and NTPL	961.43	385.17	4.01
3	NPCIL	595.71	224.23	3.76
4	KSEB			
5	TANGEDCO			
6	PPCL	216.37	99.28	4.59
7	NTECL-Vallur	161.43	87.00	5.39
8	New NLC TS-I	253.00	86.36	3.41
9	Solar Generation	18.75	4.71	
10	Non-Solar Renewable generation	90	25.56	
11	Open market			
12	OA Power purchase			
13	Transmission Charges		51.99	
14	Rebate			
15	REC Costs		57.74	
16	Credit from NTPC			
17	Power purchase arrears			
18	Total	3467.86	1411.41	4.07

6.7.5 With respect to the above submission, PED requests the Hon'ble Commission to approve the total quantum and cost of power purchase for the MYT control period as summarized above.

## 6.8 Operation and Maintenance

6.8.1 Regulation 51 and Regulation 60 of JERC for the State of Goa and Union Territories (Multi Year Tariff) Regulations, 2018 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 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.*

*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,*

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

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

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

*'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;*  
*WP Inflation – is the average increase in the Wholesale Price Index (CPI) for immediately preceding three (3) Years before the base Year;*  
*EMPn – Employee expenses of the Distribution Licensee for the nth Year;*  
*A&Gn – Administrative and General expenses of the Distribution Licensee for the nth Year;*  
*R&Mn – Repair and Maintenance expenses of the Distribution Licensee for the nth Year;*  
*GFA<sub>n-1</sub> – Gross Fixed Asset of the transmission Licensee for the n-1th Year;*  
*X<sub>n</sub> is an efficiency factor for nth Year. Value of X<sub>n</sub> 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<sub>n</sub> is a growth factor for the nth Year. Value of G<sub>n</sub> 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, and approved cost by the Commission in past and any other factor that the Commission feels appropriate:*  
*Provided that in case the Licensee has been in operation for less than three (3) Years as on the date of effectiveness of these Regulations, the O&M Expenses shall be determined on a case to case basis."*

#### 6.8.1 Employee Expenses:

- 6.8.1.1 The employee expenses for FY2020-21 were approved by the Hon'ble Commission in the Tariff Order dated 20<sup>th</sup> May, 2019 (ARR for the 2<sup>nd</sup> MYT Control Period FY2019-20- FY2021-22).
- 6.8.1.2 However, the last approved employee cost by Hon'ble commission was based on the average employee costs of FY2014-15, FY2015-16 and FY2016-17, while the actual employee costs of FY2015-16 and FY2016-17 were much higher than the average employee cost taken as a base. (excluding 7<sup>th</sup> Pay Commission impact).
- 6.8.1.3 Thus, the petitioner submits that for the revised estimates of FY 2020-21, the actual Employee costs for FY2018-19 is taken as the base for employee cost i.e. Rs. **110.32 Cr**, along with the most recent inflation factor available.
- 6.8.1.4 As per the MYT regulations, 2018, the relevant inflation factor would be last 3 year's average Consumer Price Index (CPI). The average CPI index for FY 16-17, FY

17-18 and FY 18-19 inflation factor is 4.22%. However, the CPI inflation for FY 18-19 was 5.45%. Thus, the petitioner requests the commission to consider 5.45% as the relevant inflation factor for estimating the Employee cost for FY 2020-21.

**Table 6-8: Employee Expenses for FY 2020-21 (Rs. Crs)**

S. No.	Particulars	Approved as per T.O. dt 20.05.2019 (Rs. Crs.)	Revised Estimates
1	Employee Expenses	107.39	122.67

6.8.1.5 Thus, the petitioner requests the Hon'ble commission to kindly allow the above Employee Costs of Rs. **122.67**Crs for FY 2020-21, subject to true-up.

### 6.8.2 Repairs& Maintenance Expenses:

6.8.2.1 The Repair & Maintenance expenses for FY2020-21 were approved by the Hon'ble Commission in the Tariff Order dated 20<sup>th</sup> May, 2019 (ARR for the 2<sup>nd</sup> MYT Control Period FY2019-20- FY2021-22).

**Table 6-9: R&M Expenses for FY 2020-21 (Rs. Crs)**

S. No.	Particulars	Approved as per T.O. dt 20.05.2019 (Rs. Crs.)	Revised Estimates
1	R&M Expenses	12.64	12.64

### 6.8.3 Administration & General expenses for FY 2020-21:

6.8.3.1 The Administration & General expenses for FY2020-21 were approved by the Hon'ble Commission in the Tariff Order dated 20<sup>th</sup> May, 2019 (ARR for the 2<sup>nd</sup> MYT Control Period FY2019-20- FY2021-22).

**Table 6-10: A&G Expenses for FY 2020-21 (Rs. Crs)**

S. No.	Particulars	Approved as per T.O. dt 20.05.2019 (Rs. Crs.)	Revised Estimates
1	A & G Expenses	13.38	13.38

6.8.4 **O&M Expenses Summary FY 2020-21:** Based on the foregoing paragraphs, the revised O&M expenses for the year FY 2020-21 vis-a-vis the approved level by the Hon'ble Commission is shown in the table below:

Table 6-11: O&M Expenses for FY 2020-21 (Rs. Crs)

Summary of O&M Expenses for FY 2020-21		
Particulars	Approved as per T.O. dt 20.05.2019 (Rs. Crs.)	Revised Estimates (Rs. Crs)
A&G Costs	13.38	13.38
R&M Expenses	12.64	12.64
Employee Cost	107.39	122.67
<b>Total O&amp;M Expenses</b>	<b>133.41</b>	<b>148.69</b>

6.8.5 The Hon'ble Commission is requested to approve the O&M Expenses of Rs. 148.69 Crs as shown in the table above. The details of O&M expense for FY 2020-21 are provided in the Formats 13, 15 & 16 of the Tariff Filing Formats.

## 6.9 Gross Fixed Assets and Depreciation

6.9.1 The MYT Regulations, 2018 specifies the following provisions for projection of Depreciation.

### **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:*

*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 true-up for assets capitalised at the time of trueing 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 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 up to a particular Year exceeds the cumulative depreciation up to 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 up to 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

6.9.2 As stated in the above Regulation, PED has arrived at fixed assets balance after reduction of accumulated depreciation as on 1<sup>st</sup> April 2019. The same block is carried forward for existing assets and depreciation is charged as per new depreciation rate specified in the MYT regulations 2018. Further, the assets which are newly commissioned or capitalised, for which depreciation is calculated at new rate mentioned in the Regulations.

6.9.3 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.

6.9.4 Based on the methodology given in MYT Regulations, depreciation for the control period is calculated:

Table 6-12: GFA and Depreciation for the Control Period

S. No.	Particulars	Approved by Commission	Revised Estimates
1	Opening value of the assets at the beginning of the year	859.01	848.65
2	Additions during the year	104.56	104.56
3	Value of assets sold /disposed off		0.00
4	Gross Fixed Assets at the end of the year	963.57	953.21
5	Net Depreciation for the year	17.17	33.08
6	Average Depreciation Rate	1.88%	3.67%

6.9.5 In view of the above, the Hon`ble commission is requested to allow the depreciation charges as provided above for the control period.

#### 6.10 Interest on Loan

6.10.1 The debt-equity ratio for determination of tariff shall be considered as per JERC MYT Regulation, 2018

"26. Debt to Equity Ratio:

26.1 In case of Existing Projects, debt to equity ratio allowed by the Commission for determination of tariff for the period ending March 31, 2018 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.

26.2 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 23, 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.*

*26.3. any expenditure incurred or projected to be incurred on or after April 1, 2019, 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."*

6.10.2 The rate of interest on normative loan shall be considered as per Regulation 28.4 of MYT Regulations.

*"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"*

6.10.3 The Interest on loan for the Control Period based on MYT regulations, 2018 is tabulated below.



Table 6-13: Interest on Loan for the Control Period

S. No.	Particulars	Approved	Revised Estimates
1	Opening Normative Loan	160.60	143.69
2	Add: Normative Loan during the Year	97.41	73.19
3	Less: Normative Repayment	17.17	33.08
4	Closing Normative Loan	240.84	183.80
5	Average Normative Loan	200.72	163.75
6	Rate of Interest(@SBAR)	9.23%	13.70%
7	<b>Interest on Normative Loan</b>	<b>18.53</b>	<b>22.43</b>
8	Other Finance Charges	0.00	0.00
9	<b>Total Interest and Finance Charges</b>	<b>18.53</b>	<b>22.43</b>

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

6.10.5 The Hon'ble Commission is requested to approve the Interest & Finance Charges proposed during the MYT Control period and as provided in Format 10A of the Tariff Filing Formats.

#### 6.11 Interest on Working Capital

6.11.1 Regulation 52 and 63 specify norms for working capital for Distribution wire business and Retail supply business respectively.

*"52 (63). 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:*

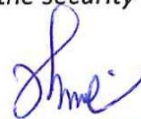
*(a) O&M Expenses for one (1) month; plus*

*(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:*



**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

Page 66

*Provided that at the time of trueing 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 trueing up."*

6.11.2 The interest on working capital considered is the MCLR plus 200 basis points for SBI on the 1<sup>st</sup> November, 2018.

**Table 6-14: Interest on working capital for FY 2020-21**

S. No.	Particulars	Approved	Revised Estimates
1	Receivable - 2 months	256.25	275.57
2	Less :Power Purchase - 1 months	12.70	12.39
3	Less : Inventory for two months	0.45	0.42
4	Less: Security Deposit Opening Bal.	-254.79	-251.52
5	<b>Total</b>	<b>14.61</b>	<b>36.86</b>
6	<b>Interest Rate</b>	<b>0.10</b>	<b>0.11</b>
7	<b>Interest on working capital</b>	<b>1.48</b>	<b>3.89</b>

6.11.3 The Hon'ble Commission is requested to approve the Interest on working capital proposed during the MYT Control period as per the above table.

## 6.12 Provision for Bad Debts

6.12.1 Regulation 62 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."*

6.12.2 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 MYT Petition and may be claimed at the time of true-up in case such cost has been incurred.

## 6.13 Interest on Security Deposits

*Electricity Department, Puducherry*

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD Page 67  
**Electricity Department**  
**Puducherry**

6.13.1 Regulation 28.11 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.”*

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

**Table 6-15: Interest on Security Deposit for FY 2020-21**

S. No.	Particulars	Approved	Revised Estimates
1	Opening Security Deposit	242.83	240.11
2	Add: Deposits during the year	23.92	22.83
3	Less: Deposits refunded		0.00
4	Less: Deposits in the form of BG/FDR		0.00
5	Closing Security Deposit	266.75	262.94
6	Bank Rate	8.70%	0.06
7	Interest on Security Deposit	22.17	15.72
8	Interest on Security Paid to Consumers		5.00

6.13.3 PED submits that deposit during the year is considered by taking FY 2019-20 as base and an escalation of 5% has been considered every year to arrive at security deposit addition for following years.

6.13.4 The Hon'ble Commission is requested to approve the Interest on Security Deposit as proposed in the MYT Petition.

#### 6.14 Return on Equity

6.14.1 The debt-equity ratio for determination of tariff shall be considered as per Regulation 26 of MYT Regulations

*“26. Debt to Equity Ratio:*

*26.1 In case of Existing Projects, debt to equity ratio allowed by the Commission for determination of tariff for the period ending March 31, 2018 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.*

*26.2 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 23, 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.*

*26.3. Any expenditure incurred or projected to be incurred on or after April 1, 2019, 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."*

6.14.2 Regulation 27 specifies the return on equity that shall be allowed for Distribution wire and Retail Supply business.

*"27.2 The return on equity for the Distribution Wires Business shall be allowed on the equity capital determined in accordance with Regulation 26 for the assets put to use at post-tax rate of return on equity specified in the prevalent CERC Tariff Regulations for transmission system.*

*27.3 The return on equity for the Retail Supply Business shall be allowed on the equity capital determined in accordance with Regulation 26 for the assets put to use, at the rate of sixteen (16) per cent per annum.*

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

6.14.3 In line with the regulation and the methodology proposed in the MYT Regulations, 2018, PED has calculated the Return on Equity as outlined in the following table for MYT Control Period.

Table 6-16: Return on Equity (Rs. Cr.) for FY 2020-21

S. No.	Particulars	Approved	Revised Estimates
1	Opening Equity Amount	253.68	254.60
2	Equity Addition during year (30% of Capitalization)	4.74	31.37
3	Closing Equity Amount	258.42	285.96
4	Average Equity Amount	256.05	270.28
5	Average Equity-Wires Business	230.4	243.3
6	Average Equity (Retail Supply Business)	25.61	27.03
7	Return on Equity for Wires Business (%)	15.50%	15.50%
8	Return on Equity for Retail Supply Business (%)	16.00%	16.00%
9	<b>Return on Equity for Wires Business</b>	<b>35.72</b>	<b>37.70</b>
10	<b>Return on Equity for Retail Supply Business</b>	<b>4.10</b>	<b>4.32</b>
11	<b>Total Return on Equity</b>	<b>39.82</b>	<b>42.03</b>

6.14.4 PED submits that the RoE claimed during each year of the control period is calculated on an average basis. In view of above, the Hon'ble Commission is requested to kindly allow the above Return on Equity as submitted in the petition for the MYT control Period.

### 6.15 Non-Tariff Income

6.15.1 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 estimated by considering non-tariff income of FY 2018-19 as base and projected to be same for FY2020-21, subject to final true-up.

6.15.2 PED requests the Hon'ble commission to approve the non-tariff income of Rs. **13.12** as projected for the Control Period.

### 6.16 Revenue from Sale of Power at Existing Tariff

6.16.1 As per the business plan order, the retail tariff proposal is to be submitted only for the first year of the control period i.e. FY 2019-20 whereas ARR calculations are to be submitted for the full control period FY 2019-20 to FY 2021-22.

6.16.2 The Revenue from existing Tariff for all the years of the Control Period has been calculated as under:

Table 6-17: Revenue from Sale of Power for FY 2020-21

S. No.	Particulars	Sales (MUs)	Revenue (Rs.Crs)
<b>LT Category</b>			
1	Domestic	895.28	279.93
2	OHOB	7.39	1.49
3	Commercial	271.67	187.61
4	Agriculture	60.75	2.98
5	Public Lighting	24.48	22.66
6	LT Industrial	162.60	95.26
7	Water Tank	39.91	26.77
8	Temporary Supply-LT&HT	11.12	10.84
	<b>Total LT</b>	<b>1,473.20</b>	<b>627.54</b>
<b>HT Category</b>			
9	HT 1 Industrial / Commercial	1008.51	670.14
10	HT 2	73.84	61.64
11	HT 3 - EHT	415.53	250.73
12	<b>Total HT</b>	<b>1497.87</b>	<b>982.51</b>
13	<b>Total LT and HT</b>	<b>2,971.07</b>	<b>1,610.05</b>
14	Less Incentive to consumers (Net of penal charges)		
15	4% Surcharge		64.34
17	<b>Total</b>		<b>1,674.39</b>

6.16.3 PED hereby submits that the revenue mentioned above does not consist of FPPCA charges or Regulatory Surcharge. In view of above, the Hon'ble Commission is requested to kindly allow Revenue at existing tariff (without surcharge) as proposed for the MYT Control Period.

#### 6.17 ARR for the Control Period

6.17.1 Based on the parameters discussed above, the projection of Annual Revenue Requirement (ARR) of PED for the MYT Control Period is as follows:

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

**Table 6-18: ARR (Rs. Crs) for FY 2020-21**

S. No.	Particulars	Approved by Commission	Revised Estimates
1	Cost of power purchase	1292.83	1411.41
2	Employee Costs	107.39	122.67
3	Administration and General Expenses	13.38	13.38
4	R&M expenses	12.64	12.64
5	Depreciation	33.93	33.08
6	Interest & Finance Charges	16.82	22.43
7	Interest on Working Capital	4.76	3.89
8	Interest on CSD	13.74	5.00
9	Return on NFA/ Equity	39.82	42.03
10	Provision for Bad Debt	0	0.00
11	<b>Total Revenue Requirement</b>	<b>1535.29</b>	<b>1666.54</b>
12	Less: Non- Tariff Income	4.51	13.12
13	<b>Net Aggregate Revenue Requirement</b>	<b>1530.78</b>	<b>1653.42</b>

6.17.2 The Annual Revenue Requirement for the control period is based on Business plan order dated 31<sup>st</sup> October, 2018. PED requests the Hon`ble Commission to approve the said ARR for the MYT control Period.

#### 6.18 Revenue Gap for the MYT Control period

6.18.1 As per the business plan order, the retail tariff proposal is to be submitted only for the first year of the control period i.e. FY 2019-20 whereas ARR calculations are to be submitted for the full control period FY 2019-20 to FY 2021-22. Hence, the revenue gap @ existing tariff has been calculated for the entire Control period and is shown in the table below:

**Table 6-19: Revenue Gap for FY 2020-21**

S. No.	Particulars	Projected
1	Aggregate Revenue Requirement	1653.42
2	Revenue from Sale of Power	1610.05
3	<b>Revenue Gap/ (Surplus)</b>	<b>43.37</b>

6.18.2 In view of above, the Hon`ble Commission is requested to kindly allow the Revenue Gap of Rs. **43.37** Crs during FY 2020-21 at proposed tariff, **without considering impact of regulatory surcharge** for FY2020-21. The gap/(Surplus) would further get revised based on the regulatory surcharge approved by the commission.

## CHAPTER 7. REGULATORY ASSETS AND TOTAL REVENUE GAP

### 7.1 Preamble

- 7.1.1 PED in determining the ARR and retail supply tariff for FY 2020-21 and has been guided by the provisions of the Electricity Act 2003, National Tariff Policy, MYT Regulations 2018 and any other applicable law, enactments, Orders, etc. as amended from time to time.
- 7.1.2 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 2020-21.
- 7.1.3 This section overall provides a detailed overview of each and every claim considered in calculation of total revenue gap of PED.

### 7.2 Treatment of Regulatory Assets and Net Gap:

#### 7.2.1 Regulatory Asset

- 7.2.1.1 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.
- 7.2.1.2 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"*
- 7.2.1.3 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.
- 7.2.1.4 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;

### 7.3 Cumulative Revenue Gap/(Surplus) till FY 2020-21

7.3.1 In the tariff order dated 28<sup>th</sup> March 2018, the Hon'ble Commission approved a consolidated revenue gap of Rs.94.05 Crs till FY 2016-17 based on tried up costs till FY 2016-17.

7.3.2 In this section, PED submits the standalone revenue gap/(surplus) for FY 2017-18 and FY 2018-19 based on actual costs and standalone gap/(surplus) based on revised estimates for FY 2019-20 and projected gap without Regulatory surcharge for the FY 2020-21.

7.3.3 As discussed in Chapter 5, section 5.18 Revenue Gap for FY 2019-20, the cumulative Gap up to FY 2019-20 comes as under:

7.3.1 From the above table, it can be seen that the cumulative gap including Revenue from Regulatory surcharge till FY 2018-19 is Rs.218.65Crs. and even the additional revenue form regulatory surcharge @ 4% is not providing full recovery of the Regulatory Assets and is piling up huge losses.

7.3.2 Now, considering the Cumulative Gap upto FY2016-17 and stand-alone Gap of each year for FY2017-18, FY2018-19, FY 2019-20 the Cumulative Gap at existing tariff without Regulatory Surcharge for FY 2020-21 comes out to be as under:

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

Cumulative Gap					
S.No.	Particulars	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
1	Opening Gap/(Surplus)	94.05	132.31	218.65	208.91
2	Add: Gap/(Surplus)	29.55	72.85	-9.74	43.37
3	Closing Gap/(Surplus)	123.60	205.15	208.91	252.28
4	Average gap/(Surplus)	108.82	168.73	213.78	230.59
5	Carrying cost (@8% p.a)	8.71	13.50		
6	Final closing Gap/(Surplus)	132.31	218.65	208.91	252.28
				4% Surcharge for FY 2020-21	64.51
				Closing Gap (with Surcharge)	187.76

7.3.3 From above, it can be seen that stand-alone Gap/(Surplus) for FY 2019-20 is Rs.-9.74 Crs. However, Cumulative Gap upto FY 2019-20 in form of Regulatory asset is 208.91. Accordingly, PED proposes that, in order to recover the cumulative Gap and reduce Regulatory Assets, the Regulatory Surcharge currently applicable should be continued for FY 2020-21. Hence, PED proposes a rate of Regulatory Surcharge @ 4% which is currently applicable to all categories of consumers. With Regulatory Surcharge @ 4%, the net Gap will come down to 187.76 Cr by FY 2020-21.

7.3.4 It is to mention that the above calculations include the carrying cost @ 8% on Revenue gap as calculated by the Commission in the tariff order dated 28<sup>th</sup> March, 2018, for FY 2018-19 and FY 2019-20 only. Accordingly, the petitioner, PED requests the Hon'ble Commission to allow the recovery of revenue gap to be recovered by way of creation of regulatory assets instead of recovering through tariff hike in FY 2019-20 and with a Regulatory Surcharge of 4% which is currently applicable on all consumer categories.

7.3.5 The petitioner requests the Hon'ble Commission to allow Regulatory Surcharge of 4% to be levied on Retail supply tariff and approve the cumulative revenue gap for FY 2020-21 as 187.93 Cr.

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

**CHAPTER 8. TARIFF FOR RETAIL SALE OF ELECTRICITY DURING MYT CONTROL PERIOD**

**8.1 Preamble**

8.1.1 This section elucidates the retail tariff and proposed amendments in the retail tariff schedule to be applicable for FY 2020-21. PED prays the Hon'ble Commission to approve the retail tariff for FY 2020-21 as proposed for different categories of consumers, applicable from 1<sup>st</sup> April, 2020.

**8.2 Tariff Design Principles**

8.2.1 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.

**8.3 Philosophy of Tariff Design**

8.3.1 PED submits that considering the total proposed cumulative Revenue Gap of Rs. 208.91 Crs till FY 2019-20, the Hon'ble Commission may kindly create a regulatory asset to recover the revenue gap during the three years of the MYT Control period i.e. FY 2019-20 to FY 2021-22

8.3.2 The petitioner, in the current petition is not proposing any tariff hike in FY 2020-21 and is requesting the Hon'ble Commission to allow recovery of the revenue gap via additional surcharge of 4 % for FY 2020-21.

8.3.3 PED requests the commission to approve the tariff schedule and base rates same as FY 2019-20 for FY 2020-21 also. The rates are mentioned below:

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

**Table 8-1: Summary of Existing and Proposed Tariff Rates for MYT Control Period (FY 2020-21)**

Category of Consumers	Fixed Charge-Unit	Existing Tariff Rate		Proposed Tariff Rate	
		Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
<b>Domestic &amp; Cottage</b>					
0-100	INR/Connection/Month	40.00	1.50	40.00	1.50
101-200	INR/Connection/Month	40.00	2.50	40.00	2.50
201-300	INR/Connection/Month	40.00	4.35	40.00	4.35
> 300	INR/Connection/Month	40.00	5.60	40.00	5.60
OHOB	INR/Connection/Month	35.00	-	35.00	-
<b>Commercial</b>					
0-100	INR/Connection/Month	120.00	5.50	120.00	5.50
101-250	INR/Connection/Month	120.00	6.50	120.00	6.50
> 250	INR/Connection/Month	120.00	7.20	120.00	7.20
<b>Agriculture</b>					
Small Farmers	INR/Demand/Month	10.00	-	10.00	-
Other Farmers	INR/Demand/Month	45.00	-	45.00	-
Public Lighting	INR/Connection/Month	100.00	6.75	100.00	6.75
<b>LT industrial</b>					
LT industrial	INR/Connection/Month	120.00	5.80	120.00	5.80
Water Tank	INR/Connection/Month	140.00	6.70	140.00	6.70
Temporary Supply- LT & HT		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.	
HT 1 industrial	INR/Demand/Month	400.00	5.35	400.00	5.35
HT 1 Commercial	INR/Demand/Month	400.00	5.50	400.00	5.50
HT 2 - Others	INR/Demand/Month	450.00	6.50	450.00	6.50
HT 3- EHT	INR/Demand/Month	450.00	5.10	450.00	5.10

**\*A Regulatory Surcharge of 4.00% 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.**

**CHAPTER 9. SEGREGATION OF WHEELING AND RETAIL SUPPLY BUSINESS**

**9.1 Allocation Policy**

9.1.1 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 48 of MYT Regulations 2018. The summary of the allocation statement and the segregation of ARR into wheeling and retail supply business is given in the table below:

**Table 9-1: Allocation Statement Wheeling and Retail Supply for FY 2020-21**

<b>Wheeling Charges Calculation</b>						
<b>Segregation of ARR for FY 2020-21</b>						
Sr. No.	Item of expense	Wheeling Business	Retail Supply Business	Wheeling Business	Retail Supply Business	Total
		%	%	FY 2020-21		
1	2	3	4	5	6	7
1	Cost of fuel					
2	Cost of power purchase	0%	100%	-	1,411.41	1,411.41
3	Employee costs	40%	60%	49.07	73.60	122.67
4	R&M expenses	90%	10%	11.38	1.26	12.64
5	Administration and General expenses	50%	50%	6.69	6.69	13.38
6	Depreciation	90%	10%	29.78	3.31	33.08
7	Interest & Financial charges	90%	10%	20.19	2.24	22.43
8	Interest on Working Capital	10%	90%	0.39	3.50	3.89
9	Return on NFA /Equity	90%	10%	243.25	27.03	42.03
10	Provision for Bad Debt	0%	100%	-	-	-
11	Interest on Consumer Security Deposit	10%	90%	0.50	4.50	5.00
12	<b>Total Revenue Requirement</b>			<b>361.24</b>	<b>1,533.55</b>	<b>1,666.54</b>
13	Less: Non Tariff Income	10%	90%	1.31	11.81	13.12
14	<b>Net Revenue Requirement (12-13)</b>			<b>359.93</b>	<b>1,521.74</b>	<b>1,653.42</b>

9.1.2 The Hon'ble Commission is requested to approve the segregation of ARR into wheeling & retail supply business for FY 2020-21 as per above table.

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department

## CHAPTER 10. DETERMINATION OF OPEN ACCESS CHARGES

### 10.1 Approach for computation of open access charges

10.1.1 PED submits that as per Regulation 67.2 and 67.3 of MYT Regulations, 2018, 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.

10.1.2 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 Tariff Order FY 2019-20.

10.1.3 Wheeling Loss at EHT Level and HT level are considered as - 1.5% and 5.44% respectively (balance losses attributable to LT Level)

### 10.2 Computation of Wheeling Charge and losses

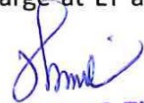
10.2.1 Based on above mentioned and the projections for Sales and Wheeling ARR for FY 2020-21, the wheeling charges for HT/EHT & LT are determined.

10.2.2 In line with methodology, adopted by Hon'ble Commission in tariff order for FY 2019-20 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 is separate out, 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 10-1: Parameters assumed for voltage-wise allocation of Wheeling Cost

Parameters assumed for voltage wise allocation of Wheeling Cost			
Category	Consumers	Asset Allocation (%)	Sales (MU)
Low Tension (LT) Level	495641	50.00%	1473.20
High Tension (HT)	495	40.00%	1082.34
Extra High Tension(EHT) Level	7	10.00%	415.53
<b>Total</b>	<b>496143</b>	<b>100%</b>	<b>2971</b>

10.2.3 Based on above assumption of parameters, the wheeling charge at LT and HT/EHT level has been determined as shown below.

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

Wheeling Charges for FY 2020-21					
Category	O&M	Others	Total	Sales (MU)	Wheeling Charges (Rs/kWh)
Low Tension (LT) Level	67.07	146.40	213.46	1473.20	1.45
High Tension (HT)	0.07	117.12	117.18	1082.34	1.08
Extra High Tension(EHT) Level	0.00	29.28	29.28	415.53	0.70
<b>Total</b>	<b>67.14</b>	<b>292.79</b>	<b>359.93</b>	<b>2,971.07</b>	<b>1.21</b>

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

### 10.3 Additional Surcharge

10.3.1 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"*

10.3.2 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 Drawal 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.]”

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

**Table 10-2: Additional Surcharges for FY 2020-21**

<b>Additional Surcharges for FY 2020-21</b>	
<b>Particulars</b>	<b>FY 2020-21</b>
Total Power Purchase cost	1,411.41
Fixed Cost component in Power Purchase Cost (excluding Transmission Charges)	295.04
Energy Sales (MU)	2,971.07
<b>Additional Surcharge (Rs/kWh)</b>	<b>0.99</b>

10.3.4 PED requests the Hon’ble Commission to approve additional surcharge of Rs. **0.99** /kWh as determined in above table.

#### **10.4 Computation of Cross Subsidy Surcharge for FY 2020-21**


10.4.1 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.

10.4.2 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

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry



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.

10.4.3 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 2019-20

10.4.4 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 12% for FY 2020-21 as approved in Business Plan order for MYT control period FY 2019-20 to 2021-22, cumulative losses at LT level is considered **18.60%**.

Voltage wise energy sales based on Sales is approved by Hon'ble Commission for FY 2020-21 in business Plan order, accordingly level wise calculation of energy input considering above voltage wise losses is arrived at as under:

Table 10-3: Energy Input at each voltage level (MU)

Energy Input at each voltage level (MU)			
Category	Energy Sales (MU)	Cumulative Losses (%)	Energy Input (MU)
Low Tension (LT) Level	1473.20	18.60%	1,809.75
High Tension (HT)	1082.34	5.44%	1,144.61
Extra High Tension(EHT) Level	415.53	1.50%	421.86
<b>Total</b>	<b>2971.07</b>	<b>12.00%</b>	<b>3,376.22</b>

10.4.5 Overall ARR arrived for FY 2020-21 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.

10.4.6 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 10-4: Parameters used for allocation of fixed costs

Parameters used for allocation of fixed costs			
Category	Energy Input (MU)	Voltage wise Asset Allocation (%)	Number of Consumers
Low Tension (LT) Level	1,809.75	50.00%	4,95,641
High Tension (HT)	1,144.61	40.00%	495
Extra High Tension(EHT) Level	421.86	10.00%	7
<b>Total</b>	<b>3,376.22</b>	<b>100.00%</b>	<b>4,96,143</b>

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

10.4.8 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 10-5: Voltage wise Cost of Supply

Voltage Wise Cost of Supply									
Category	Allocated					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	O&M FC further @ Input	Other FC @ Asset allocation	Other FC further @ Input energy				
Low Tension (LT) Level	158.1	148.54	148.64	53.22	57.05	598.4	962	1,473	6.53
High Tension (HT)	100.0	0.15	0.058	42.57	36.08	378.5	515	1,082	4.75
Extra High Tension(EHT) Level	36.9	0.00	0.000	10.64	13.30	139.5	190	416	4.56
<b>Total</b>	<b>295</b>	<b>149</b>	<b>149</b>	<b>106.43</b>	<b>106.43</b>	<b>1,116</b>	<b>1,667</b>	<b>2,971</b>	<b>5.61</b>

10.4.9 As per above VCoS calculated and applicable level wise ABR level, following is the Cross-subsidy surcharge for FY 2020-21

Table 10-6: Cross Subsidy Surcharge

Cross-Subsidy Surcharge			
Category	VCoS (Rs/kWh)	ABR (Rs/kWh)	Cross-Subsidy (Rs/kWh)
Low Tension (LT) Level	6.53	4.55	(1.98)
High Tension (HT)	4.75	6.90	2.14
Extra High Tension(EHT) Level	4.56	6.17	1.61

10.4.10 Based on the above computations, PED requests the Hon'ble Commission to approve the cross-subsidy surcharge of Rs. 2.73 /kWh for HT and Rs. 1.61 /kWh for EHT consumers in FY 2019-20.

**CHAPTER 11. COMPLIANCE OF THE DIRECTIVES OF HON'BLE COMMISSION**

**11.1 Preamble**

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

**11.2 Status of Compliance**

Table 11-1: Status of Compliance of directives

S. No.	Directives	Directives of the Hon'ble Commission	Department's Response
1	Preparation of Asset and Depreciation Register	The Commission observed that PED is yet to ensure full compliance of this directive and directed to update the asset register for the FY 2017-18 and FY 2018-19 before filing of the Tariff Petition for the FY 2020-21.	The work of preparation of Asset and Depreciation Register has been assigned to M/s. JLN US & Co Vadodara and preparation of the same has been completed and the same will be submitted after audit at the time of Technical Validation Session.
2	Accounting of Consumer Security Deposits etc. under appropriate head of accounts	PED, in its Petition for provisional True up of the FY 2017-18, has claimed that only INR 3.50 Cr of interest on security deposits was actually paid against the total of INR 12.22 Cr. As separate accounts have been maintained for security deposits since FY 2012-13, PED should be able to make the requisite payments on a regular basis. The Commission therefore directed PED to pay the full interest on consumer deposit to the eligible consumers and update the status to the Commission within three months of issue of this Order.	Budgetary provision of Rs.5.00 Crores has been made during the current FY 2019-20. Additional provision will be sought for from the Govt in RE stage.

True-up for FY 2017-18, Review for FY 2018-19 and ARR & MYT Petition for FY 2019-22

S. No.	Directives	Directives of the Hon'ble Commission	Department's Response
3	Energy Audit and T&D Losses	The Commission has taken a serious view of the fact that PED has been unable to submit the Energy Audit Report during the TVS. Since most of the central schemes are planned to be capitalized by FY 2019-20 as per the approved capital expenditure plan, the Commission directed the Petitioner to complete the energy audit of all distribution transformers and submit the same along with the tariff petition for the FY 2020-21.	The Department could not complete the Distribution Transformer wise Energy Audit, as the DTR metering is yet to be completed in the non-R-APDRP areas. However, on completion of the IPDS and DDUGJY schemes, it is anticipated that most of the DTRs would be metered, which would facilitate the Department to conduct Energy Audit at DT level. As such, the Energy Audit will be completed and submitted to the Hon'ble Commission during the year 2020-21.
4	Estimation of the consumption by agriculture pump sets	The Commission observed that PED is yet to ensure full compliance of this directive. Since most of the central schemes are planned to be capitalized by FY 2019-20 as per the approved capital expenditure plan, the Commission directed PED to complete the work of metering by 30th September 2019	All new Agriculture services are being energised with energy meters only. The department has initiated action to provide meters in all the existing Agriculture services and meters are being provided. This work will be completed in all regions of UT of Puducherry during the year 2020-21.  As directed by the Hon'ble Commission, a sample study has been conducted in predominant Agriculture feeders and report of the same will be submitted at the time of Technical Validation Session.
5	Metering of consumer installations/ replacement of non-functional or defective Meters	The action taken is noted. Further it is directed to submit the compliance of the complete directive before 30th June 2019.	Periodical actions have been taken to replace all the stuck-up meters in the system and a detailed report will be submitted at the time Technical Validation Session.
6	Load Shedding and	The Commission directed PED to ensure that the	At present the Department is strictly following the SOP

Electricity Department, Puducherry

Page 85  
  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

True-up for FY 2017-18, Review for FY 2018-19 and ARR & MYT Petition for FY 2019-22

S. No.	Directives	Directives of the Hon'ble Commission	Department's Response
	ensuring proper service to the consumers	service levels are maintained in line with the JERC (Standards of Performance) Regulations applicable from time to time. PED is also directed to submit a detailed report on the nature and status of the aforementioned litigation within one month of the issue of this Order.	and the load shedding has been brought to the minimal level. Awareness to the consumers is made about the planned power shutdowns by the use of Urja Mitra App. It is also proposed to effectively utilise by rolling out the Jagruk App for the recording the feedback from the consumers.
7	Employee Cost/ Manpower Study	The Commission, in the Business Plan Order dated 31st October 2018, had also directed the Petitioner to submit a detailed proposal duly indicating the requisite manpower required at each level. The Commission therefore directed PED to submit the employee cost/manpower study along with a detailed proposal indicating the requisite manpower required at each level while filing the tariff petition for the FY 2020-21.	<p>At present, around 500 Nos of posts are vacant, which includes around 110 Nos. of Engineering Posts. The department is finding difficult to perform its duties due to the above vacancies. The department is taking necessary action for filling up of these posts at the earliest.</p> <p>At present, two nos. of 230 KV Sub-stations, two nos. of 110 KV sub-stations, System Control Centre are under operation without creation of any posts.</p> <p>Further, the department is executing various central schemes such as IPDS, DDUGJY, Smart Grid, RAPDRP schemes, PSDF without creating not even temporary posts.</p> <p>The department will be able to assess the actual manpower requirement after filling up of all the vacant posts.</p>
8	Connected Load/ Demand based fixed charges for LT Industrial and Commercial categories	In the current MYT petition, PED has submitted that all related works with respect to R-APDRP is expected to be completed in FY 2018-19 (instead of the FY 2019-20 as proposed in the Business Plan Petition) as per the directive given by the MoP. The Commission therefore directed the Petitioner to	<p>The department has entrusted the work of upgradation of the existing old billing system by an advanced software for Metering, Billing and Collection system to M/s NIC, Puducherry.</p> <p>So far, the Collection part of the above upgradation work</p>



Page 86 SUPERINTENDING ENGINEER  
-cum-HOD

Electricity Department  
Puducherry

Electricity Department, Puducherry

S. No.	Directives	Directives of the Hon'ble Commission	Department's Response
9	Proposal of the Energy Charges for the agriculture category	<p>The Commission observed that PED is yet to ensure full compliance of this directive. With regard to the continuation of the existing billing structure based on fixed charges, the Commission opined that the billing rate for each category shall gradually reflect its actual cost of supply in accordance with the provisions of the Act. This endeavour is not possible without adequate metering. Further, since most of the central schemes are planned to be capitalized by FY 2019-20 as per the approved capital expenditure plan, the Commission directs the Petitioner to complete the work of metering by 30th September 2019 and submit a proposal for introduction of energy charges in the Agriculture category in its next Tariff Petition, so that billing of energy charges can be implemented in the tariff petition for the FY 2020-21.</p>	<p>has been completed enabling web-based collection counters, web application for online payment of cc charges through the department's new portal "pedservices.py.gov.in" and also enabled payment of CC charges by the consumers through Bharat Bill Payment System (BBPS). This has enabled the consumers to make their payment through mobile apps viz. BHIM, Paytm, Phonepe etc.</p> <p>The department will be able to implement the billing based on the connected load / Contract Demand based fixed charges on completion of the billing part by NIC.</p> <p>All new Agriculture services are being energised with energy meters only. The department has initiated action to provide meters in all the existing Agriculture services and meters are being provided. This work will be completed in all regions of UT of Puducherry during the year 2020-21.</p> <p>After providing the meters in all the existing Agriculture services, energy charges for the agriculture category may be levied.</p>



Page 87  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

True-up for FY 2017-18, Review for FY 2018-19 and ARR & MYT Petition for FY 2019-22

S. No.	Directives	Directives of the Hon'ble Commission	Department's Response
10	Information for determination of voltage wise wheeling charges	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 the tariff petition for the FY 2020- 21.	The voltage wise wheeling charge will be furnished during TVS as accounts for FY 17-18 and 18-19 s prepared by audit firm M/s JLN US & co has just been received and the same is being studied. The voltage wise wheeling charges will be furnished during Technical validation session with Asset and Depreciation Register.
11	New Bill Format	PED, in the current MYT petition submitted that all related works with respect to R-APDRP is expected to be completed in FY 2018-19 (instead of the FY 2019-20 as proposed in the Business Plan Petition) as per the directive given by the MoP. The Commission therefore directed the Petitioner to submit the compliance of the directive before 31st May 2019 and include all requirements of billing format as per the latest Supply Code Regulations notified by the JERC.	It is very difficult to adopt the New Bill Format with the existing old billing system, as presently the bill is being printed on DOS based Line printer and the new bill format needs Windows software system with High speed Laser printer. As the department has entrusted the work of upgradation of the existing old billing system by an advanced software with NIC, the new bill format will be adopted on implementation of the new billing system.
12	Time of Day (ToD) Tariff for HT/ EHT consumers	The Commission directed PED to adopt ToD tariff for all the eligible HT/EHT consumers as per the charges specified in Chapter 10 of this Order. The Petitioner is also directed to complete the work of installing ToD compatible smart meters for all HT/EHT consumers in the first quarter of the FY 2019-20 and	The direction of the Hon'ble Commission could not be implemented due to non-availability of facility in the existing old billing software. Provision for implementing ToD tariff is being incorporated in the new Billing software being developed by National Informatics Centre. On implementation of the new Billing Software, TOD

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Pudaucherry

S. No.	Directives	Directives of the Hon'ble Commission	Department's Response
		submit a status report by 30th July 2019. The Commission also reiterated that the Petitioner is expected to widely publicize the implementation of ToD tariff to the HT/EHT consumers so that they can immediately start availing the benefits of ToD tariff mechanism.	metering will be implemented for all HT /EHT consumers.
13	Open Access	The Commission has noted the submission of the Petitioner. The Petitioner is directed to submit a status report within 2 months of issuance of this Order and submit monthly progress updates for the review of the Commission with regard to setting up of STU and SLDC.	Setting up of STU and SLDC is getting delayed due non-filling up of vacant posts in the department. The Government is being pursued to fill up the vacant posts so as to operate the STU and SLDC. However, no open access application is pending for disposal by the department.
14	Category wise Connected Load	The Petitioner has provided the requisite details of sanctioned load/ contract load for each consumer category. In light of the above, the Commission has decided to drop this directive in this Order.	Hon'ble Commission has dropped this Directive in Tariff Order 2019-20.
15	Capital Expenditure and Capitalisation	The Commission directed the Petitioner to ensure implementation of all proposed schemes, as approved by the Commission for the 2nd Control Period, in a timely manner. The Commission also directed the Petitioner to provide quarterly updates with regard to the capital expenditure and capitalisation achieved as per Clause 8.5 (f) of the MYT Regulations, 2018.	The department takes every effort to implement all the proposed schemes with the funds made available by the Government in the Budget. The directives of the Hon'ble Commission in this regard will be adhered to.
16	Determination of Category wise/ Voltage wise Cost of	The Petitioner, in the current MYT petition, has submitted that all related works with respect to R-APDRP is expected to be completed in FY 2018-19	The asset and depreciation registers have just been handed over by the auditing consultant m/s JLN Us & Co and the same is being analysed for arriving voltage-based



S. No.	Directives	Directives of the Hon'ble Commission	Department's Response
	supply	(instead of the FY 2019-20 as proposed in the Business Plan Petition) as per the directive given by the MoP. The Commission also observes that most of the centrally sanctioned schemes are expected to be capitalized by FY 2019- 20. The Petitioner is therefore directed to submit the category wise and voltage wise data on losses, connected load, asset allocation along with the tariff petition for the FY 2020-21.	wheeling charges and the same will be furnished during the Technical Validation Session.
17	Replacement of defective meters	The action taken is noted. The Petitioner is directed to submit the compliance of the directive before 30th June 2019.	The Electricity Department has conducted O&M wise special drives for replacement of all the stuck up and electro-mechanical meters. Due to implementation of Smart Grid, the entire area covered under Smart Grid has become stuck up meter free. Also, meters procured under the Central schemes viz. RAPDRP Part B, IPDS and DDUGJY are being replaced in Urban and Rural areas respectively. Fixing up of these meters will be completed before the end of this year. This would result in 100% stuck-up free Static Meters in entire UT of Puducherry.
18	Compliance towards Renewable Purchase Obligation (RPO)	The Commission noted the planned procurement of ~340 MUs of Solar and Non-solar power approved for the 2nd Control Period. However, the Commission observed that the Petitioner is yet to clear a backlog of ~567 MUs till FY 2018-19 in order to fully comply with the RPO targets set by the Commission. The Petitioner is directed to clear the complete RPO backlog in FY 2019-20 in addition to fulfilling the standalone RPO targets set by the	The department has proposed to meet the entire RPO pertaining to the years 2019-20 and 2020-21, by purchase of REC and also by purchase of physical power through M/s SECI. The Govt. of Puducherry has already entered into Agreement with M/s SECI for purchase of 100 MW Wind Power and 50 MW Solar Power. It is also proposed to purchase 100 MW Solar Power from NTPC from their proposed Solar Power Plant at Nokh, in Rajasthan for which required PPA is to be signed shortly.

True-up for FY 2017-18, Review for FY 2018-19 and ARR & MYT Petition for FY 2019-22

S. No.	Directives	Directives of the Hon'ble Commission	Department's Response
19	Utilising the provision of FPPCA formula	The Commission observed that PED is yet to utilize the provision of Fuel and Power Purchase Cost Adjustment Mechanism in its billing. As power purchase cost is the major cost element of the ARR of the distribution licensee, the Commission considers adjustment due to change in power purchase cost at regular intervals to be vital in order to avoid the burden of carrying cost on the additional power purchase cost incurred during the year. The Commission therefore directs the Petitioner to make use of the FPPCA formula specified in Chapter 8 of this Order for any adjustment on account of fuel and power purchase cost variation. A status report on the same is to be submitted to the Commission by 31st August 2019.	<p>The department has purchased only 24,481 Nos. of Non-solar RECs during 2019-20. Though the department had participated in the bidding process during Nov 2019, for purchase of One lakh Nos. of Non-solar RECs, no allotment was received, as the Market cleared price was more than the price quoted by the department i.e. Rs.1800/ REC (Non-solar).</p> <p>The RPO obligation pertaining to the previous years up to 2018-19 will be met during the years 2021-22 and 2022-23 along with the RPO of the respective years.</p> <p>The department works out the adjustment to be made on account of Fuel and Power Cost variation based on the FPPCA formula as stipulated by the Hon'ble Commission every quarter. Report on the FPPCA along with the details of Power Purchase Cost variation are submitted to the Hon'ble Commission on quarterly basis.</p>
20	Proposal of the Energy Charges for the OHOB	The Commission is endeavoring to move to a tariff regime where the billing rate for each category	All the existing OHOB service connections are being metered separately. Wherever the energy crosses 30



True-up for FY 2017-18, Review for FY 2018-19 and ARR & MYT Petition for FY 2019-22

S. No.	Directives	Directives of the Hon'ble Commission	Department's Response
	category	<p>reflects its actual cost of supply in accordance with the provisions of the Act (discussed in detail in Chapter 6 of this Order). Accordingly, adequate metering of all categories is vital in achieving this objective to determine the revenue and cost of supply accurately for each of the categories. Therefore, the Commission directed the Petitioner to complete the work of metering by 30th September 2019, so that billing of energy charges can be implemented in the tariff petition for the FY 2020-21.</p>	<p>units per month, that consumer is being treated as regular domestic service connection and bills are being raised as per approved domestic tariff.</p> <p>The exercise was already in force and now the no. of OHOB service connections have got reduced from 35,537 nos to 8808 nos as on FY 19-20. The metering of all OHOB services will be completed by the end of FY 20-21 and the energy billing will be carried out with effect from April 2021.</p>
21	<p>Filing of the True-up Petitions up to FY 2018-19 and the APR Petition for FY 2019-20</p>	<p>The Commission directed the Petitioner to complete the filing of the True-up Petitions up to FY 2018-19 and the APR Petition for FY 2019-20 by 30th November, 2019</p>	<p>The Electricity Department has now furnished true-up of FY 2017-18 and FY 2018-19 based on accounts prepared by audit firm M/s JLN US &amp; co. The audited report of the same will be furnished during Technical validation session.</p>




**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

---

**CHAPTER 12. PROPOSED TARIFF SCHEDULE FOR MYT CONTROL PERIOD**

**12.1 Tariff Schedule for FY 2020-21**

- 12.1.1 PED requests the commission to approve the tariff schedule and base rates for FY 2020-21, same as FY 2019-20.
- 12.1.2 The tariff indicated in this tariff schedule is the tariff rate proposed to be payable by the consumers of Union Territory of Puducherry.
- 12.1.3 A Regulatory Surcharge of 4.00% shall be applicable to all the consumer categories as a percentage of the total Energy and Demand charges payable by the consumer towards recovery of past accumulated deficit subject to approval from Hon'ble Commission.
- 12.1.4 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.
- 12.1.5 Unless otherwise agreed to, these tariffs for power supply are applicable to single point of supply.
- 12.1.6 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

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

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

12.1.7 If connected load of a domestic category is found to be at variance from the sanctioned/ contracted load as a result of replacement of appliances such as lamps, fans, fuses, switches, low voltage domestic appliances, fittings, it shall not fall under Section 126 and Section 135 of the EA 2003.

#### 12.1.8 Power Factor Charges for HT and EHT

The monthly average power factor shall mean the ratio expressed as percentage of total kWh to total kVAh supplied during the month. The ratio shall be rounded up to two figures.

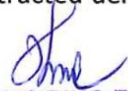
- a) The monthly average power factor of the supply shall be maintained by the consumer not less than 90% (lagging). If the monthly average power factor of a consumer falls below 90% (90% lagging), such consumer shall pay a surcharge in addition to his normal tariff @ 1% on billed demand and energy charges for each fall of 1% in power factor up to 70%(lagging).
- b) In case the monthly average power factor of the consumer is more than 95% (95% lagging), a power factor incentive @ 1% on demand and energy charges shall be given for each increase of 1% in power factor above 95% (lagging).
- c) If the average power factor falls below 70% (lagging) consecutively for 3 months, the licensee reserves the right to disconnect the consumer's service connection without prejudice for the levy of the surcharge.
- d) The power factor shall be rounded off to nearest whole number in percentage. For example, 94.4% shall be treated as 94% and 94.6% shall be treated as 95%.

12.1.9 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 after giving 15 days' notice as per provision of the Act & Supply Code Regulation.

12.1.10 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.

12.1.11 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

---

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

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. 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.

12.1.12 Unless specifically stated to the contrary, the figures of energy charges relate to Rs per unit (kWh) charge for energy consumed during the month.

12.1.13 **Delayed payment surcharge** shall be applicable to all categories of consumers. Delayed payment surcharge of 1.5% 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 1.5% 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.

12.1.14 **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.

12.1.15 **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.

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

### 12.1.16 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 12-1: 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

### 12.2 Low Tension Supply

**LT supply limit for all categories:** For single phase connection, the connected load shall not exceed 4 kW, and for 3 phase connection, the connected load shall not exceed 130 HP or 97 kW

#### Domestic Purposes

##### 12.2.1 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.

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

- 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
- 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 12-2: Existing and Proposed Charges for Domestic Category

Consumption Range	Existing Charges		Proposed Charges	
	FC (Rs/ Connection/ Month)	EC (Rs/ kWh)	FC (Rs/ Connection/ Month)	EC (Rs/ kWh)
0-100 units per month	Rs.40/ connection/month	1.50	Rs.40/ connection/month	1.50
101-200 units per month		2.50		2.50
201-300 units per month		4.35		4.35
Above 300 units per Month		5.60		5.60

3. The method of billing of charges shall be as explained below (specifically for FY 2019-20).

- a) Say units billed in a month are 80 units. Then the fixed charges will be Rs. 32/month and energy charges Rs. 88 (80 units X Rs 1.10/unit).
- b) In case the units billed are 275, then the fixed charges will be Rs. 32/month and energy charges will be Rs 518.75 (100 units X 1.10 + 100 units X 1.65 + 75 units X 3.25).

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
**Electricity Department**  
**Puducherry**



### 12.2.2 HUT SERVICES (A3)

1. For supply to bonafide hut services with only two numbers of 40W Florescent Tube Lights.
2. The charges for hut services (OBOH) are as indicated in table below:

Table 12-3: Existing and Proposed Charges for Hut Category

Description	Existing Fixed Charges	Proposed Fixed Charges
Hut Services/ OHOB	Rs. 35 per connection per month	Rs. 35 per connection per month

**Note:**

- a. Hut is defined as a living place not exceeding 300 sq. ft. or 27.87 sq.m. with mud wall/brick wall or thatched wall and thatched roof only. Hut does not include farm huts. If any of the conditions is changed at a later stage, this concessional supply will be discontinued and the consumer will have to take metered supply.
- b. The tariff under this item is also applicable for houses constructed for economically weaker sections under the "Chief Minister's 5000 houses programme" and houses constructed by the District Rural Development Agency under Indira Awaas Yojana and by the Adi Dravidar Welfare Department having a living space not exceeding 300 sq. ft. or 27.87 sq.ft
- c. The consumer under this category should use only two numbers of 40 watts florescent tube lights. He should not use bulbs/tube lights of higher wattage or connect any other electrical equipment/ appliances other than those mentioned above. Supply from such services should not be tapped for any other purposes including functions, public meetings and also for neighboring huts. If at any time, any unauthorized load or extension, use of higher wattage bulbs or use of service for other purposes is detected, the service will be disconnected forthwith.

### 12.2.3 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) Educational institutions excluding Government schools, hostels, public libraries.
  - c) Hotels, restaurants, boarding and lodging homes

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

- 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 12-4: Existing and Proposed Charges for LT Commercial Category**

Consumption Range	Existing Charges		Proposed Charges	
	FC (Rs/ Connection/ Month)	EC (Rs/ kWh)	FC (Rs/ Connection/ Month)	EC (Rs/ kWh)
0-100 units per month	Rs.120/ connection/month	5.5	Rs.120/ connection/month	5.5
101-250 units per month		6.5		6.5
Above 250 units per month		7.20		7.20

#### AGRICULTURE SERVICES (D)

Agriculture/ Cottage Industries etc.

##### 12.2.4 Agriculture (D1)

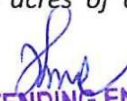
For supply to bonafide agricultural services with a connected load of not less than 3 HP per service.

**Table 12-5: Existing and Proposed Charges for Agriculture Category**

Description	Existing Fixed Charges	Proposed Fixed Charges
Small Farmers	Rs. 10.00 per HP per month	Rs. 10.00 per HP per month
Other Farmers	Rs. 45.00 per HP per Month	Rs. 45.00 per HP per Month

**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

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

*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


**12.2.5 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 12-6: Existing and Proposed Charges for Cottage Industry**

Consumption Range	Existing Charges		Proposed Charges	
	FC	EC (Rs/ kWh)	FC	EC (Rs/ kWh)
0-100 units per month	Rs.40/ connection/month	1.5	Rs.40/ connection/month	1.5
101-200 units per month		2.5		2.5
201-300 units per month		4.35		4.35
Above 300 units per Month		5.60		5.60

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
**Electricity Department**  
**Puducherry**

**Note:**

1. *Cottage industries*

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

- a) It should be conducted entirely within the home; the home being deemed to be permanent residence of the proprietor.*
- b) The industry shall not cause any residence to constitute a factory within the meaning of the Factories Act, 1948.*
- c) Not more than two persons outside the immediate family of the proprietor shall be employed in the factory.*
- d) It should be certified by the Director of Industries that the industry for which power is used is a cottage industry.*
- e) 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.*

- a) The capacity of the farm shall be a minimum of 100 birds and maximum of 5,000 birds (both layer and broiler birds).*
- b) 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.*

**12.2.6 Public Lighting**

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

**Table 12-7: Existing and Proposed Charges for Public Lighting**

Consumption Range	Existing Charges		Proposed Charges	
	FC	EC (Rs/ kWh)	FC	EC (Rs/ kWh)
Public Lighting	Rs.100/pole/month	6.75	Rs.100/pole/month	6.75

- 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.

### 12.2.7 LT Industries

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

#### LT Water tanks:

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

- b. The charges are as indicated in the table below.

Table 12-8: Existing and Proposed Charges for LT Industrial

Consumption Range	Existing Charges		Proposed Charges	
	FC (Rs/ Connection/ Month)	EC (Rs/ kWh)	FC (Rs/ Connection/ Month)	EC (Rs/ kWh)
LT Industrial	Rs.120/ connection/month	5.8	Rs.120/ connection/month	5.8
LT Water tanks	Rs.140/ connection/month	6.7	Rs.140/connection/month	6.7

### 12.3 High Tension Supply

#### 12.3.1 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.

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

  
**SUPERINTENDING ENGINEER,**  
 -cum-HOD  
**Electricity Department**  
**Puducherry**

**Table 12-9: Existing and Proposed Charges for High Tension I Category**

Consumption Range	Existing Charges		Proposed Charges	
	FC (Rs/ kVA/ Month)	EC (Rs/ kWh)	FC (Rs/ kVA/ Month)	EC (Rs/ kWh)
HT I Industries	Rs.400/ kVA/ month	5.35	Rs.400/ kVA/ month	5.35
HT I Commercial	Rs.400/ kVA/ month	5.5	Rs.400/ kVA/ month	5.5

### 12.3.3 High Tension – II (HT Others)

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

**Table 12-10: Existing and Proposed Charges for High Tension II Category**

Consumption Range	Existing Charges		Proposed Charges	
	FC (Rs/ kVA/ Month)	EC (Rs/ kWh)	FC (Rs/ kVA/ Month)	EC (Rs/ kWh)
HT II	Rs.450/kVA/month	6.5	Rs.450/kVA/month	6.5

### 12.3.4 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 12-11: Existing and Proposed Charges for High Tension III Category**

Consumption Range	Existing Charges		Proposed Charges	
	FC (Rs/ kVA/ Month)	EC (Rs/ kWh)	FC (Rs/ kVA/ Month)	EC (Rs/ kWh)
HT III	Rs.450/kVA/month	5.10	Rs.450/kVA/month	5.10

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
**Electricity Department**  
**Puducherry**

**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.

**12.4 Temporary Supply**

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

**Table 12-12: Existing and Proposed Charges for Temporary Supply**

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

**NOTE:**

- a) 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.
- b) 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.
- c) 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.
- d) 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.

**12.5 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 12-13: Existing and Proposed Charges for Hoardings and Sign boards

Consumption Range	Existing Charges		Proposed Charges	
	FC (Rs/ kVA/ Month)	EC (Rs/ kWh)	FC (Rs/ kVA/ Month)	EC (Rs/ kWh)
Hoardings/signboards	120.00 INR/kVA/month or part thereof	8	120.00 INR/kVA/month or part thereof	8

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry



**CHAPTER 13. PROPOSED SCHEDULE OF SERVICES AND CHARGES**

**13.1 Charges for service connections**

13.1.1 The following table shows the charges for service connections

**Table 13-1: 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.

**13.2 Testing of installation**

13.2.1 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 13-2: 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

**13.3 Testing of meters & metering arrangements**

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
**Electricity Department**  
**Puducherry**

13.3.1 For testing of meter at the instance of the consumer

Table 13-3: 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

13.4 Testing of HT/EHT consumer protective equipment

Table 13-4: 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	4500	6000
Testing charges for one set of EHT Potential transformer /CVT	4500	6000
Testing charges for one set of HT circuit breaker	4500	4500
Testing charges for one set of EHT circuit breaker	4500	6000
Testing charges for measurement of earth resistance.	3000	3000
Testing charges for Transformer oils	500	500

13.5 Disconnection / Re-connection charges

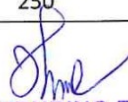
Table 13-5: Proposed Disconnection/Reconnection Charges

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

13.6 Title transfer of services

Table 13-6: Proposed Disconnection/Reconnection Charges

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Domestic	250	250

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

## CHAPTER 14. PRAYER TO THE HON'BLE COMMISSION

### 14.1 Prayer to the Hon'ble Commission

14.1.1 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 2017-18 & 2018-19, Annual Performance Review for FY 2019-20 and Aggregate Revenue Requirement (ARR) FY 2020-21 and Determination of Tariff for FY 2020-21
- 3) Approve the total recovery of True Up for FY 2017-18 and 2018-19, Annual Performance Review for FY 2019-20 and Aggregate Revenue Requirement (ARR) FY 2020-21 and Determination of Tariff for FY 2020-21
- 4) Review the actual performance of FY 2017-18 and 2018-19 and approve the Aggregate Revenue Requirement (ARR) and gap for FY 2017-18 and 2018-19 based on the actual figures.
- 5) Review the H1 actual performance of FY 2019-20 and approve the revised estimates for Aggregate Revenue Requirement (ARR) and gap for FY 2019-20.
- 6) Approve the Aggregate Revenue Requirement (ARR) for FY 2020-21, Revenue from Charges and the gap along with the estimated carrying cost for FY 2017-18 till FY 2020-21.
- 7) Approve the consolidated gap till FY 2020-21 as regulatory assets as proposed in the petition and allow the gap to be recovered during the control period through levy of Regulatory surcharge.
- 8) To allow recovery of balance regulatory asset approved earlier up to FY 2018-19 during the MYT control period.
- 9) To approve and allow to retain the base tariff of FY 2019-20 as the base tariff during FY 2020-21 as well.
- 10) Grant approval for levy of 4 % Regulatory Surcharge to all the consumer categories.

- 11) Grant Approval for Wheeling charges, Additional Surcharges and Open access charges for FY 2020-21
- 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 2020-21.
- 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) 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.

The petitioner declares that the subject matter of the petition has not been raised by the petitioner before any other competent forum, and that no other competent forum is currently seized of the matter or has passed any order in relation thereto.

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry



SUBMISSION to JOINT ELECTRICITY REGULATORY COMMISSION

ANNUAL REVENUE REQUIREMENT

**Tariff Filing Formats**

Electricity Department of Puducherry

True-up for FY 2017-18 & FY 2018-19, Review for FY 2019-20 and  
Revised ARR for FY 2020-21


TARIFF DETERMINATION FOR FY 2020-21

**Tariff Filing Formats**

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

**Electricity Department - Puducherry**  
**Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and**  
**ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**

Sr. No.	Title	Reference
1	2	3
1	Summary of Category wise Consumers, load amd Sales	
2	Category wise Consumers, load amd Sales	Form 1
3	AT & C Loss of Licensee	Form 2
4	Energy Balance	Form 3
5	Power Purchase Cost	Form 4
6	RPO Details	Form 4A
8	Capital Base & Return	Form 6
9	Fixed Asset	Form 7
10	Work in Progress	Form 8
11	Interest Capitalised	Form 9
13	Normative Interest Expenses	Form 10 A
14	Restructuring of Outstanding Loan	Form 11
15	Asset & Depreciation	Form 12
16	R&M Expense	Form 13
17	No. of Employees	Form 14
18	Employee Cost	Form 15
19	A&G Expenses	Form 16
20	Bad & Doubtful Debts	Form 17
21	Working Capital	Form 18
22	Security Deposit	Form 18 A
23	Provisions of Interest on Security Deposits from Consumers	Form 18 B
24	Foreign Exchange Rate Variation	Form 19
25	Non Tariff Income	Form 20
26	Revenue from other business	Form 21
27	Lease Details	Form 22
28	Wholesale Price Index	Form 23
29	Equity & Loan	Form 24
30	Annual Revenue Requirement	Form 25
31	Regulatory Assets	Form 25A
32	Cumulative Gap	Form 25B
33	Revenue from Sale of Power for Previous Years and Current Years	Form 26
34	Revenue from Sale of Power for FY 2020-21 Period at Existing/Proposed Tariffs	Form 27

  
**SUPERINTENDING ENGINEER**  
**-cum-HOD**  
**Electricity Department**  
**Puducherry**

ELECTRICITY DEPARTMENT - Puducherry

TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21

ENERGY DEMAND

FY 2017-18 to FY 2020-21

Category of Consumer	FY 2017-18 (True up)			FY 2018-19 (True up)			FY 2019-20 (APR)			FY 2020-21 (Ensuing Year)		
	Consumers [No]	Connected load [HP / kVA]	Sales [MUs]	Consumers [No]	Connected load [HP / kVA]	Sales [MUs]	Consumers [No]	Connected load [HP / kVA]	Sales [MUs]	Consumers [No]	Connected load [HP / kVA]	Sales [MUs]
Domestic	325845	530206	723.28	336044	554648	711.56	3,51,304	5,80,218	848.34	3,63,093	6,06,966	895.28
OHOB	35537	2843	10.24	35537	2843	10.24	8,808	2,843	7.39	8,808	2,843	7.39
Commercial	53962	119092	216.41	55145	128476	212.85	57,197	1,38,600	230.11	58,767	1,49,522	271.67
Agriculture	6940	44654	57.61	6973	44654	59.86	7,029	44,654	57.92	7,029	44,654	60.75
Public lighting	50434	6119	24.48	50666	6180	27.58	51,059	6,242	24.48	51,153	6,304	24.48
Industrial	6616	125234	185.61	6725	127714	159.59	6,588	1,30,242	154.82	6,636	1,32,812	162.60
Water tanks							155		37.43	155		39.91
Temporary supply			7.66	0		8.12	-		8.08	-		11.12
<b>Total LT</b>	<b>479334</b>	<b>828148</b>	<b>1225.29</b>	<b>491090</b>	<b>864515</b>	<b>1189.80</b>	<b>4,82,140</b>	<b>9,02,799</b>	<b>1,368.56</b>	<b>4,95,641</b>	<b>9,43,101</b>	<b>1,473.20</b>
HT 1-Industrial	357	344093	856.24	323	355345	889.08	327	3,66,965	893.23	330	3,78,964	915.50
HT 1- Commercial	80		77.19	101		83.05	99		90.95	99		93.01
HT-2	43	30504	63.14	64	33554	66.06	66	36,910	72.04	66	40,601	73.84
HT-3 Industrial EHT	5	120972	326.9	7	126946	416.55	7	1,33,280	405.42	7	1,39,931	415.53
<b>Total HT</b>	<b>485</b>	<b>495569</b>	<b>1323.47</b>	<b>495</b>	<b>515845</b>	<b>1454.74</b>	<b>499</b>	<b>5,37,155</b>	<b>1,461.65</b>	<b>502</b>	<b>5,59,496</b>	<b>1,497.87</b>
Total metered												
Total unmetered												
<b>Total</b>	<b>479819</b>	<b>1323717</b>	<b>2548.76</b>	<b>491585</b>	<b>1380360</b>	<b>2644.54</b>	<b>482639</b>	<b>1439954</b>	<b>2,830.21</b>	<b>496143</b>	<b>1502597</b>	<b>2,971.07</b>

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

**Information regarding Distribution Loss of Licensee  
TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21  
Name of licensee Electricity Department - Puducherry**

S.No	Particulars	Calculation	Unit	True up		True up	APR		Ensuing Year
				FY 2017-18	FY 2018-19		FY 2019-20 H1	FY 2019-20 H2	
1	Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of DISCOM *	A	MU	215.31	214.17	97.55	119.42	216.96	325.12
2	Input energy (metered Import) received at interface points of DISCOM network.	B	MU	2,841.72	2,848.79	1,557.14	1,461.76	3,018.90	3,051.09
3	Input energy (metered Export) by the DISCOM at interface points of DISCOM network.	C	MU	29.14	62.33	-	-	-	-
4	UI Underdrawal	D		114.20	67.23	-	-	-	-
5	Open Access Power Purchase	E		39.58	-	-	-	-	-
6	Total energy available for sale within the licensed area to the consumers of the DISCOM	F=A+B+C-D+E	MU	3,011.54	3,058.06	1,654.69	1,581.18	3,235.86	3,376.21
7	Energy billed to metered consumers within the licensed area of the DISCOM	G=E+F	MU	2,480.91	2,574.33	1,417.18	1,344.62	2,761.80	2,899.71
8	Energy billed to un-metered consumers within the licensed area of the DISCOM **	H	MU	67.85	70.21	34.21	34.21	68.41	71.36
9	Power drawn by TNEB at Pandy periphery		MU	17.46	-	5.38	5.38	10.76	-
10	Sale to Open Access			39.00	-	-	-	-	-
11	Total energy billed	G+E+F	MU	2,548.76	2,644.54	1,451.39	1,378.82	2,830.21	2,971.07
10	Amount billed to consumer within the licensed area of DISCOM (incl FPPCA)	H	Rs.Crs	1,272.33	1,440.35	819.12	781.12	1,600.24	1,674.39
11	Amount realized by the DISCOM out of the amount Billed at H	I	Rs.Crs	1,173.41	1,343.42	778.17	742.07	1,520.23	1,590.67
12	Collection efficiency (%) (= Revenue realized/ Amount billed)	J=(I/H)x100	%	92.23%	93.27%	95.00%	95.00%	95.00%	95.00%
13	Energy realized by the DISCOM	K=L x G	MU	2,350.60	2,466.58	1,378.82	1,309.88	2,688.70	2,822.52
14	Distribution loss (%)	L=([D-G]/D)x100	%	13.75%	13.27%	12.00%	12.50%	12.24%	12.00%
15	AT&C Loss (%)	M=([F-K]/F)x100	%	21.95%	19.34%	16.67%	17.16%	16.91%	16.40%

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry



**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**  
**ENERGY BALANCE**

(All figures in MU)

Sr. No.	Item	April-March (Actuals)	April-March (Actuals)	April-Sept (Actuals)	Oct-March (Provisional)	April-March (R.E.)	Ensuing Year (Projections)
		FY 2017-18	FY 2018-19	FY 2019-20 H1	FY 2019-20 H2	FY 2019-20	FY 2020-21
1	2	3	4	5	6	7	8
A)	<b>Energy Requirement</b>						
1	Metered Sales	2,480.91	2,574.33	1,417.18	1,344.62	2,761.80	2,899.71
2	Unmetered Sales	67.85	70.21	34.21	34.21	68.41	71.36
3	<b>Total Sales within the UT</b>	<b>2,548.76</b>	<b>2,644.54</b>	<b>1,451.39</b>	<b>1,378.82</b>	<b>2,830.21</b>	<b>2,971.07</b>
5	Energy Drawal by TANGEDCO	17.46		5.38	5.38	10.76	
6	Sales to Electricity Traders / Power Exchange		9.07			-	
7	Sale to Open access Consumers	39.00				-	
8	<b>Total Sales</b>	<b>2,605.22</b>	<b>2,653.61</b>	<b>1,456.77</b>	<b>1,384.20</b>	<b>2,840.97</b>	<b>2,971.07</b>
9	<b>T&amp;D Losses</b>						
a	Loss(%)	13.75%	13.27%	12.00%	12.50%	12.24%	12.00%
b	Loss (MU)	406.32	404.45	197.92	196.97	394.89	405.15
10	<b>Total Energy Requirement</b>	<b>3,011.54</b>	<b>3,058.06</b>	<b>1,654.69</b>	<b>1,581.17</b>	<b>3,235.86</b>	<b>3,376.22</b>
B)	<b>Energy Availability</b>						
1	Net Power Purchase (ex Bus)	2,932.17	2,932.32	1,599.30	1,505.66	3,104.96	3,142.73
2	Own Generation (PPCL+Renewable)	215	214.17	98	119	216.96	325.12
3	Power purchase from Common Pool / UI-overdrawal / Traders / Exchange / Others	29.14	62.33				
4	UI Underdrawal	114.20	67.23				
5	Open Access Power Purchase at periphery	39.58	-				
6	<b>Net Power Purchased (1+2+3-4+5)</b>	<b>3,101.99</b>	<b>3,141.59</b>	<b>1,696.84</b>	<b>1,625.08</b>	<b>3,321.92</b>	<b>3,467.86</b>
7	Transmission Losses	90.45	83.53	42.15	43.90	86.06	91.64
	Transmission Losses (%)	2.92%	2.66%	2.64%	2.92%	2.77%	2.92%
8	<b>Total Energy Availability (4-5-6)</b>	<b>3,011.54</b>	<b>3,058.06</b>	<b>1,654.69</b>	<b>1,581.18</b>	<b>3,235.86</b>	<b>3,376.21</b>
9	<b>Deficit/(Surplus)</b>		0.000	0.000	-0.00	-0.00	0.00

FY 17-18 Power Purchase data						
Station name	MUs	Capacity Charges	Energy Charges	Vc/Unit	Other Charges	Total
PPCL	214.69	21.80	47.74		7.69	77.22
TANGEDCO	181.34	75.61	-		-	75.61
NTPL	109.47	28.18	33.43		4.41	66.02
NTECL	102.60	24.34	29.64		2.99	56.98
MAPS	45.79	-	9.64		0.53	10.16
KAPS	280.49	-	84.95		5.00	89.96
KKNPP I	147.23	-	54.70		5.69	60.40
KKNPP II	130.82	-	50.99		3.69	54.68
KSEB	30.13	2.51	16.76		3.16	22.42
NLC TS I	376.61	32.59	111.57		0.37	144.54
NLC TSII	131.65	12.03	38.95		0.85	51.83
NLC EI	110.81	10.83	30.28		0.28	41.39
NLC EII	72.32	18.06	19.78		0.10	37.94
RSTPS I&II	518.04	35.76	124.95		2.11	162.82
RSTPS III	143.06	9.97	33.74		1.02	44.73
TSTS	459.70	30.34	71.08		4.37	105.79
STPS	92.11	16.93	25.97		0.69	43.58
PGCIL	-	-	-		-	-
POSOCO	-	-	-		-	-
<b>RPO Compliance</b>	-					-
Non Solar REC	-		14.59			14.59
Solar Generation	0.62					-
<b>Total</b>	<b>3,147.48</b>	<b>318.96</b>	<b>798.75</b>		<b>42.95</b>	<b>1,160.67</b>
Power Purchase Arrears of Past Years due to tariff revisions of various plants (additional details)						76.24
credit from NTPC						(31.73)
Rebate						(15.99)
UI (payable)/overdrawal	29.1368					1.17
UI (receivable)/underdrawal	114.2					(13.88)
Net UI receivable						
Open access power	38.996					
Sale to tangedco	17.46					
Revenue through RR&S, Reactive Energy & URS						2.00
<b>Net Power Purchase</b>	<b>3,101.41</b>					<b>1,176.47</b>

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

S. No.	Particulars	Actuals (FY 2018-19)					
		Purchase (MUs)	Capacity Charges	Energy Charges	Other Charges	Cost (Rs. Cr.)	Rate (Rs./unit)
1	NTPC	1257.94		382.05		382.05	3.04
2	NLC and NTPL	921.30	42.06	66.87	3.06	351.98	3.82
3	NPCIL	0.00	0.00	0.00	0.00	0.00	
4	KSEB	0.00	0.00	0.00	0.00	0.00	
5	TANGEDCO	139.66	0.00	76.39	0.000	76.40	5.47
6	PPCL	214.17	52.77	59.77	0.00	119.20	5.57
7	KAIGA	276.53	0.00	96.38	4.34	100.71	3.64
8	MAPS	21.54	0.00	5.79	0.14	5.92	2.75
9	NTECL	135.04	31.92	44.73	0.86	77.50	5.74
10	KKNP	175.64	0.00	62.26	14.98	77.24	4.40
11	Solar Generation	2.40					
12	Open market						
13	OA Power purchase						
14	PGCL (POC Charges)					54.81	
15	SRLDC Charges					0.28	
16	RPO Obligations					0.00	
17	Credit from NTPC						
18	Power purchase arrears					66.26	
19	<b>Total</b>	<b>3144.22</b>				<b>1312.35</b>	<b>4.17</b>

  
**SUPERINTENDING ENGINEER**  
**-cum-HOD**  
**Electricity Department**  
**Puducherry**

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**  
**POWER PURCHASE COST YEAR 2019-20 H1 (Provisional Actuals - April 2019 to September 2019)**

Sr. No.	Source	Capacity (MW)		Firm allocation to Licensee		Gen. Avail. (MU)- Net	Avail. / PLF (in %)	AFC (Rs. Crore)	Auxiliary Consumption %	Purchase (MU)	External losses (%)	Energy recd. by Licensee (MU)	VC (Ps/ Unit)	FC (Rs. Crore)	VC (Rs.Crore)	Others (Rs.Crore)	Supplementary (Rs. Crore)	Total (Rs.Crore)	
		4	5	6	7														8
<b>1</b>	<b>2</b>																		
<b>A</b>	<b>Central Sector Power Stations</b>																		
<b>1</b>	<b>NTPC</b>	5,600.00	179.56	587.19	80.68%	587.19	80.68%	-	6.68%	643.14	2.92%	624.36	250.00	49.15	160.78	0.64	-	210.51	
	RSTPS I & II	2100	74.38	245.96	80.68%	245.96	80.68%		5.75%	310.09	2.92%	301.03	265.94	20.86	82.46	0.00		103.31	
	RSTPS III	500	18.79	68.87	88.55%	68.87	88.55%		5.75%	83.58	2.92%	81.14	262.04	5.59	21.90	0.29		27.75	
	Talcher Stage-II	2000	65.00	217.40	80.80%	217.40	80.80%		5.25%	197.54	2.92%	191.77	200.75	14.25	39.66	0.19		54.05	
	Simhadri Stage-II	1000	21.39	54.96	61.74%	54.96	61.74%		10.00%	51.94	2.92%	50.43	322.77	8.46	16.77	0.16		25.31	
<b>2</b>	<b>NLC</b>	3,390.00	177.83	482.03	12.11%	482.03	12.11%		10.00%	508.87	2.92%	494.01	268.77	52.07	136.77	0.46		189.31	
	NLC TPS -II Stage-I	630	76.31	235.43	76.31%	235.43	76.31%		10.00%	261.93	2.92%	254.28	18.52	18.52	69.22	2.62		90.31	
	NLC TPS-II Stage-II	840	30.36	90.13	75.10%	90.13	75.10%		8.50%	91.01	2.92%	88.35	264.33	7.76	24.06	0.87		32.61	
	NLC TPS-I (Expr)	420	16.54	44.31	66.67%	44.31	66.67%		10.00%	57.03	2.92%	55.36	241.93	5.43	13.80	0.56		19.75	
	NLC TPS II (Expon)	500	20.29	22.42	27.95%	22.42	27.95%		6.25%	28.04	2.92%	27.22	248.13	5.66	6.96	0.39		13.01	
	NTPL	1000	34.33	89.75	63.49%	89.75	63.49%		10.00%	70.87	2.92%	68.80	320.91	14.69	22.74	(3.98)		33.41	
<b>3</b>	<b>NPCIL</b>	3,320.00	117.78	298.67	70.59%	298.67	70.59%		10.00%	367.48	2.92%	356.75	357.34	-	131.31	8.92		140.21	
	MAPS	440	8.40	23.44	86%	23.44	86%		10.00%	14.29	2.92%	13.87	1,750.00	-	3.75	0.22		3.97	
	KAPS	880	38.98	132.0	43.70%	132.0	43.70%		10.00%	158.51	2.92%	153.88	350.97	-	55.63	2.60		58.24	
	KNPP I	1000	36.90	63.74	60.00%	63.74	60.00%		10.00%	117.95	2.92%	114.50	372.98	-	43.99	2.45		46.44	
	KNPP II	1000	33.50	79.45	60.00%	79.45	60.00%		6.69%	76.74	2.92%	74.50	364.10	-	27.94	3.65		31.59	
<b>4</b>	<b>OTHERS</b>	2,500.00	88.41	80.94	63.36%	80.94	63.36%		10.00%	79.81	2.92%	77.48	387.72	19.86	30.94	0.83		51.64	
	NTECL-Vallur	1500	31.17	80.94	50.00%	80.94	50.00%		10.00%	79.81	2.92%	77.48	387.72	19.86	30.94	0.83		51.64	
	New NLC TS-I	1000	57.24																
<b>5</b>	<b>Within State Generation</b>																		
	PPCL	32.5	32.50	108.48	80%	108.48	80%		5%	97.55		97.55	322.85	13.22	31.49	1.89		46.61	
<b>D</b>	<b>REC Certificates</b>																		
	Solar																		
	Non Solar																		
<b>E</b>	<b>OTHER CHARGES</b>																		
	PGCIL Transmission Charges, Wheeling, Oen Access & Trading Margin & Other Charges																		
<b>F</b>	<b>Total</b>	14,842.50	596.08	1,557.31	1.00	1,557.31	0.80	-	0.05	1,696.84	2.75%	1,650.14	304.86	134.30	517.30	12.75	-	664.31	

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**  
**POWER PURCHASE COST YEAR 2019-20 H2 (Estimated - October 2019 to March 2020)**

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		Gen. Avail. (MU)- Net	Avail. / PLF (In %)	AFC (Rs. Crore)	Auxiliary Consumption %	Purchase (MU)	External losses (%)	Energy recd. by Licensee (MU)	VC (Ps/ Unit)	FC (Rs. Crore)	VC (Rs.Crore)	Others (Rs.Crore)	Supplementary (Rs. Crore)	Total (Rs.Crore)
			%	MW													
1	2	4			6	7	8	9	10	11	12	13	14	15	16	17	18
<b>A</b>	<b>Central Sector Power Stations</b>																
I	NTPC	5,600.00		179.56	587.19				587.19	2.92%	570.05	239.91	53.82	140.88			194.69
	RSTPS I & II	2100	3.54%	74.38	245.96	80.68%		6.68%	245.96	2.92%	238.78	263	19.56	64.60			84.15
	RSTPS III	500	3.76%	18.79	68.87	88.55%		5.75%	68.87	2.92%	66.86	265	5.29	18.17			23.46
	Talcher Stage-II	2000	3.25%	65.00	217.40	80.80%		5.75%	217.40	2.92%	211.06	191	17.03	41.32			58.35
	Simhadri Stage-II	1000	2.14%	21.39	54.96	61.74%		5.25%	54.96	2.92%	53.35	306	11.95	16.79			28.74
2	NLC	3,390.00		177.83	482.03				482.03	2.92%	467.96	291.91	51.88	140.71			192.59
	NLC TPS -II Stage-I	630	12.11%	76.31	235.43	78.05%		10.00%	235.43	2.92%	228.55	283	18.89	66.55			85.44
	NLC TPS-II Stage-II	840	3.61%	30.36	90.13	75.10%		10.00%	90.13	2.92%	87.49	283	7.79	25.47			33.26
	NLC TPS-I (Expn)	420	3.94%	16.54	44.31	66.67%		8.50%	44.31	2.92%	43.02	264	5.66	11.65			17.31
	NLC TPS II (Expn)	500	4.06%	20.29	22.42	27.95%		10.00%	22.42	2.92%	21.76	262	2.29	5.87			8.16
	NTPIL	1000	3.43%	34.33	89.75	63.49%		6.25%	89.75	2.92%	87.12	348	17.25	31.18			48.42
3	MPCIL	3,320.00		117.78	298.67				298.67	2.92%	289.95	375.90		112.27			112.27
	MAPS	440	1.91%	8.40	23.44	70.59%		10.00%	23.44	2.92%	22.75	250		5.84			5.84
	KAPS	880	4.43%	38.98	132.04	86%		10.00%	132.04	2.92%	128.18	384		50.59			50.59
	KKNPP I	1000	3.69%	36.90	63.74	43.70%		10.00%	63.74	2.92%	61.88	390		24.86			24.86
	KKNPP II	1000	3.35%	33.50	79.45	60.00%		10.00%	79.45	2.92%	77.13	390		30.99			30.99
4	OTHERS	2,500.00		88.41	137.81				137.77	2.92%	133.75	313.22	24.42	43.15			67.57
	NTECL-Vallur	1500	2.08%	31.17	80.94	63.36%		6.69%	80.94	2.92%	78.57	342	15.90	27.58			43.48
	New NLC TS-I	1000	5.72%	57.24	56.87	50.00%		10.00%	56.83	2.92%	55.17	274	8.52	15.57			24.09
5	Within State Generation																
	PPCL	32.5	100%	32.50	108.48	80%		5%	119.42		119.42	298	17.42	32.23			49.64
D	REC Certificates																
	Solar																
	Non Solar																
E	OTHER CHARGES																
	PGCL Transmission Charges, Wheeling, Oen Access & Trading																25.99
	Marrain & Other Charges																25.99
F	Total	14,842.50	1.00	596.08	1,614.18	0.80		0.05	1,625.08	2.71%	1,581.12	304.74	147.52	495.23			705.26

*Shree*  
**SUPERINTENDING ENGINEER**  
 -CLASS-HOD  
 Electricity Department  
 Puducherry

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**  
**POWER PURCHASE COST YEAR 2019-20 (Estimated - April 2019 to March 2020)**

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		Gen. Avail. (MU)- Net	Avail. / PUF (In %)	AFC (Rs. Crore)	Auxiliary Consumption %	Purchase (MU)	External losses (%)	Energy recd. by licensee (MU)	VC (Ps/ Unit)	FC (Rs. Crore)	VC (Rs. Crore)	Others (Rs. Crore)	Supplementary (Rs. Crore)	Total (Rs. Crore)
			%	MW													
1	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
<b>A</b>	<b>Central Sector Power Stations</b>																
<b>I</b>	<b>NTPC</b>	<b>5,600.00</b>		<b>179.56</b>	<b>3,174.38</b>			<b>1,230.33</b>	<b>2.92%</b>	<b>1,194.41</b>	<b>245.18</b>	<b>102.97</b>	<b>301.66</b>	<b>0.64</b>	<b>-</b>	<b>405.21</b>	
	RSTPS I & II	2100	3.54%	74.38	491.91	80.68%	6.68%	556.04	2.92%	539.81	264.47	40.41	147.06	0.00	-	187.47	
	RSTPS III	500	3.76%	18.79	137.75	88.55%	5.75%	152.45	2.92%	148.00	262.84	10.88	40.07	0.29	-	51.27	
	Talcher Stage-II	2000	3.25%	65.00	434.81	80.80%	5.75%	414.94	2.92%	402.82	195.15	31.28	80.98	0.19	-	112.44	
	Simhadri Stage-II	1000	2.14%	21.39	109.91	61.74%	5.25%	106.90	2.92%	102.78	313.90	20.40	33.56	0.16	-	54.11	
<b>2</b>	<b>NLC</b>	<b>3,390.00</b>		<b>177.83</b>	<b>964.06</b>			<b>990.90</b>	<b>2.92%</b>	<b>961.96</b>	<b>280.03</b>	<b>103.94</b>	<b>277.48</b>	<b>0.46</b>	<b>-</b>	<b>381.81</b>	
	NLC TPS-II Stage-I	630	12.11%	76.31	470.86	78.05%	10.00%	497.36	2.92%	482.83	272.98	37.41	135.77	2.62	-	175.71	
	NLC TPS-II Stage-II	840	3.61%	30.36	180.25	75.10%	10.00%	181.13	2.92%	175.84	273.42	15.55	49.53	0.87	-	65.94	
	NLC TPS-I (Expn)	420	3.94%	16.54	88.63	66.67%	8.50%	101.34	2.92%	96.38	251.10	11.09	25.45	0.56	-	37.10	
	NLC TPS-II (Expn)	500	4.06%	20.29	44.83	27.95%	10.00%	50.45	2.92%	48.98	254.13	7.95	12.82	0.39	-	21.11	
	NTPL	1000	3.43%	34.33	179.49	63.49%	6.25%	160.62	2.92%	155.93	335.70	31.94	53.92	(3.98)	-	81.81	
<b>3</b>	<b>NPCL</b>	<b>3,320.00</b>		<b>117.78</b>	<b>597.34</b>			<b>666.14</b>	<b>2.92%</b>	<b>646.69</b>	<b>365.66</b>	<b>-</b>	<b>243.58</b>	<b>8.92</b>	<b>-</b>	<b>252.51</b>	
	MAPS	440	1.91%	8.40	46.88	70.59%	10.00%	37.73	2.92%	36.62	254.25	-	9.59	0.22	-	9.81	
	KAPS	880	4.43%	38.98	264.08	86%	10.00%	290.55	2.92%	282.06	365.57	-	106.22	2.60	-	108.82	
	KKNPP I	1000	3.69%	36.90	127.48	43.70%	10.00%	181.69	2.92%	176.38	378.95	-	68.85	2.45	-	71.30	
	KKNPP II	1000	3.35%	33.50	158.90	60.00%	10.00%	156.19	2.92%	151.63	377.27	-	58.93	3.65	-	62.57	
<b>4</b>	<b>OTHERS</b>	<b>2,500.00</b>		<b>88.41</b>	<b>388.13</b>			<b>217.58</b>	<b>2.92%</b>	<b>211.23</b>	<b>340.55</b>	<b>44.27</b>	<b>74.10</b>	<b>0.83</b>	<b>-</b>	<b>119.21</b>	
	NTECL-Vallur	1500	2.08%	31.17	161.87	63.26%	6.65%	160.75	2.92%	156.05	364.07	35.75	58.52	0.83	-	95.11	
	New NLC TS-I	1000	5.72%	57.24	226.26	50.00%	10.00%	56.83	2.92%	55.17	274.00	8.52	15.57	-	-	24.05	
<b>5</b>	<b>Within State Generation</b>																
	PPCL	32.5	100%	32.50	216.96	80%	5%	216.96		216.96	293.68	30.64	63.72	1.89	-	96.21	
<b>D</b>	<b>REC Certificates</b>																
	Solar																29.11
	Non Solar																33.41
<b>E</b>	<b>OTHER CHARGES</b>																
	PPCL Transmission Charges, Wheeling, Open Access & Trading Margin & Other Charges																51.91
																	51.91
<b>F</b>	<b>Total</b>	<b>14,842.50</b>	<b>1.00</b>	<b>596.08</b>	<b>3,340.88</b>	<b>0.80</b>	<b>0.05</b>	<b>3,321.92</b>	<b>2.73%</b>	<b>3,231.26</b>	<b>304.80</b>	<b>281.82</b>	<b>1,012.52</b>	<b>12.75</b>	<b>-</b>	<b>1,369.61</b>	

**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

**ELECTRICITY DEPARTMENT - Puducherry**  
**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**  
**POWER PURCHASE COST**  
**YEAR 2020-21 (Projection - April 2020 to March 2021)**

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		Gen. Avail. (MU)- Net	Avail. / PLF (in %)	AFC (Rs. Crore)	Auxiliary Consumption %	Purchase (MU)	External losses (%)	Energy recd. by Licensee (MU)	VC (Ps/ Unit)	FC (Rs. Crore)	VC (Rs.Crore)	Others (Rs.Crore)	Supplementary (Rs. Crore)	Total (Rs.Crore)
			%	MW													
1	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
<b>A</b>	<b>Central Sector Power Stations</b>																
<b>I</b>	<b>NTPC</b>	<b>5,600.00</b>	<b>179.56</b>	<b>1,171.18</b>				<b>1,171.18</b>	<b>2.92%</b>	<b>1,136.98</b>	<b>240.57</b>	<b>107.63</b>	<b>281.75</b>				<b>389.38</b>
	RSTPS I & II	2100	3.54%	74.38	490.57	80.68%	6.68%	490.57	2.92%	476.25	263	39.11	129.19				168.30
	RSTPS III	500	3.76%	18.79	137.37	88.55%	5.75%	137.37	2.92%	133.36	265	10.57	36.34				46.91
	Taicher Stage-II	2000	3.25%	65.00	433.62	80.80%	5.75%	433.62	2.92%	420.96	191	34.06	82.64				116.70
	Simhadri Stage-II	1000	2.14%	21.39	109.61	61.74%	5.25%	109.61	2.92%	106.41	306	23.89	33.58				57.47
<b>2</b>	<b>NIC</b>	<b>3,390.00</b>	<b>177.83</b>	<b>961.43</b>				<b>961.43</b>	<b>2.92%</b>	<b>933.35</b>	<b>292.71</b>	<b>103.75</b>	<b>281.42</b>				<b>385.17</b>
	NIC TPS -II Stage-I	630	12.11%	76.31	469.57	78.05%	10.00%	469.57	2.92%	455.86	283	37.78	133.10				170.88
	NIC TPS-II Stage-II	840	3.61%	30.36	179.76	75.10%	10.00%	179.76	2.92%	174.51	283	15.58	50.94				66.52
	NIC TPS-I (Expn)	420	3.94%	16.54	88.39	66.67%	8.50%	88.39	2.92%	85.81	264	11.32	23.30				34.62
	NIC TPS II (Expn)	500	4.06%	20.29	44.71	27.95%	10.00%	44.71	2.92%	43.41	262	4.58	11.73				16.31
	NTPL	1000	3.43%	34.33	179.00	63.49%	6.25%	179.00	2.92%	173.77	348	34.49	62.35				96.84
<b>3</b>	<b>NPCIL</b>	<b>3,320.00</b>	<b>117.78</b>	<b>595.71</b>				<b>595.71</b>	<b>2.92%</b>	<b>578.31</b>	<b>376.42</b>	<b>-</b>	<b>224.23</b>				<b>224.23</b>
	MAPS	440	1.91%	8.40	46.75	70.59%	10.00%	46.75	2.92%	45.38	250	-	11.68				11.68
	KAPS	880	4.43%	38.98	263.36	86%	10.00%	263.36	2.92%	255.67	384	-	101.17				101.17
	KKNPP I	1000	3.69%	36.90	127.13	43.70%	10.00%	127.13	2.92%	123.42	390	-	49.58				49.58
	KKNPP II	1000	3.35%	33.50	158.47	60.00%	10.00%	158.47	2.92%	153.84	390	-	61.80				61.80
<b>4</b>	<b>OTHERS</b>	<b>2,500.00</b>	<b>88.41</b>	<b>432.94</b>				<b>432.94</b>	<b>2.92%</b>	<b>402.32</b>	<b>300.49</b>	<b>48.83</b>	<b>124.53</b>				<b>173.36</b>
	NTECL-Vallur	1500	2.08%	31.17	161.43	63.36%	6.69%	161.43	2.92%	156.72	342	31.79	55.21				87.00
	New NIC TS-I	1000	5.72%	57.24	271.51	60.00%	10.00%	253.00	2.92%	245.61	274	17.04	69.32				86.36
<b>5</b>	<b>Within State Generation</b>																
	PPCL	32.5	100%	32.50	216.37	80%	5%	216.37		216.37	298	34.83	64.45				99.28
<b>C</b>	<b>RPO Obligation</b>																
	Non-Solar																
	Solar																
<b>D</b>	<b>REC Certificates</b>																
	Solar																
	Non Solar																
<b>E</b>	<b>OTHER CHARGES</b>																
	PGCIL Transmission Charges, Wheeling, Oen Access & Trading Margin & Other Charges																
<b>F</b>	<b>Total</b>	<b>14,842.50</b>	<b>1.00</b>	<b>596.08</b>	<b>3,377.62</b>	<b>0.80</b>	<b>0.05</b>	<b>3,359.11</b>	<b>2.73%</b>	<b>3,267.34</b>	<b>306.14</b>	<b>295.04</b>	<b>1,028.37</b>				<b>1,411.41</b>


**SUPERINTENDING ENGINEER**  
 -Cum-HOD  
 Electricity, Puducherry  
 Page 121

## Information regarding Distribution Loss of Licensee

Name of State/UT: Puducherry

## ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD - FY 2019-20 TO FY 2021-22

S.No	Description	Unit	Provisional Actual		Provisional Actual		Provisional Estimates		Ensuing Year (Projections)	
			FY 2017-18	FY 2018-19	FY 2019-20	FY 2019-20	FY 2020-21	FY 2020-21		
			Physical	REC	Physical	REC	Physical	REC	Physical	REC
1	Sales Within State	MUs		2,548.76		2,644.54		2,830.21		2,971.07
2	RPO Obligation	%		6.70%		9.00%		11.50%		14.10%
	- Solar	%		2.50%		3.60%		4.70%		6.00%
	- Non Solar	%		4.20%		5.40%		6.80%		8.10%
3	RPO Obligation	MUS		170.77		238.01		325.47		418.92
	- Solar	MUS		63.72		95.20		133.02		178.26
	- Non Solar	MUS		107.05		142.81		192.45		240.66
4	RPO Purchase	MUS		97.26		-		318.72		287.67
	- Solar	MUS	0.62		2.40		6.75	126.27	41.25	137.01
	- Non Solar	MUS		97.26				192.45	90.00	150.66
5	Cumulative RPO Obligation	MUS		237.64		473.25		473.25		473.25
	- Solar	MUS	103.29		196.09		196.09		196.09	
	- Non Solar	MUS	134.35		277.15		277.15		277.15	
6	Floor Price of REC Certificates /MWH	Rs./MWH						2305		2305
	- Solar	Rs./MWH						1736		1736
7	Amount for RPO Compliance									
	- Solar	Rs. Crs				-		29.10	4.71	31.58
	- Non Solar	Rs. Crs		14.59		-		33.41	25.56	26.15
8	Total (Rs Crores)	Rs. Crs		14.59		0.00		62.51	30.27	57.74
9	Excess RPO claimed in ARR	Rs. Crs								
10	Net RPO Cost to be claimed in MYT Control Period	Rs. Crs	14.59	0.00	62.51	88.00				

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry



**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**  
**Capital Base and Return**

Sr. No.	Particulars	(Rs. Crore)	
		Previous Year FY 2017-18	Previous Year FY 2018-19
1	2	3	4
1	Opening Equity Amount	202.85	207.08
2	Equity Addition during year (30% of Capitalization)	4.23	32.77
3	<b>Closing Equity Amount</b>	207.08	239.85
4	<b>Average Equity Amount</b>	204.96	223.47
5	Rate of Return on Equity	16.00%	16.00%
6	<b>Return on Equity</b>	<b>32.79</b>	<b>35.75</b>

S. No.	Particulars	(Rs. Crore)	
		Current Year (Rev. Est) FY 2019-20	Ensuing Year (Projection) FY 2020-21
1	Opening Equity Amount	239.85	254.6
2	Equity Addition during year (30% of Capitalization)	14.74	31.37
3	Closing Equity Amount	254.6	286.0
4	Average Equity Amount	247.2	270.3
5	Average Equity-Wires Business	222.5	243.3
6	Average Equity (Retail Supply Business)	24.72	27.03
7	Return on Equity for Wires Business (%)	15.50%	15.50%
8	Return on Equity for Retail Supply Business (%)	16.00%	16.00%
9	<b>Return on Equity for Wires Business</b>	<b>34.49</b>	<b>37.70</b>
10	<b>Return on Equity for Retail Supply Business</b>	<b>3.96</b>	<b>4.32</b>
11	<b>Total Return on Equity</b>	<b>38.44</b>	<b>42.03</b>

## TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21

## Details of Consumer contribution

Sr.	Particulars	Amount
A	<b>Accumulated Depreciation</b>	
1	As on 31st March of previous year (15-16) *	328.46
2	Add: Depreciation for Previous year (16-17)	24.81
3	As on 31st March of Previous year (16-17)	353.27
4	Add: Depreciation for current year (17-18)	35.91
5	As on 31st March of current year (17-18)	389.18
6	Add: Depreciation for current year (18-19)	39.15
7	As on 31st March of current year (18-19)	428.34
8	Add: Depreciation for current year (19-20)	30.26
9	As on 31st March of current year (19-20)	458.60
10	Add: Depreciation for current year (20-21)	33.08
11	As on 31st March of current year (20-21)	491.68

(Rs. Crore).

## Additions to Gross Fixed Assets for Normative Loan, Equity &amp; Depreciation Purpose

Sr. No.	Particulars	FY 2016-17	Previous Year FY 2017-18	Previous Year FY 2018-19	Base Year FY 2019-20	Ensuing Year (Projection) FY 2020-21
1	2	3	4	5	6	7
1	CAPEX		53.53	77.72	60.73	242.70
2	Less: Grant	-				7.95
3	Less: Consumer Contribution		5.27	5.41		
	Net Capex		48.26	72.31	60.73	234.75

## Additions to Gross Fixed Assets for Normative Loan, Equity &amp; Depreciation Purpose

Sr. No.	Particulars	FY 2016-17	Previous Year FY 2017-18	Previous Year FY 2018-19	Base Year FY 2019-20	Ensuing Year (Projection) FY 2020-21
1	2	3	4	5	6	7
1	Opening GFA	660.92	676.16	690.27	799.51	848.65
2	Additions to GFA	15.25	14.10	109.25	49.14	104.56
3	Less: Grant	-	-	-	-	-
4	Less: Schemes out of ED Fund	-	-	-	-	-
5	Less: Consumer Contribution	-	-	-	-	-
6	Net Additions to GFA	15.25	14.10	109.25	49.14	104.56
7	Adjustment/Retirement					
8	Closing GFA	676.17	690.27	799.51	848.65	953.21

ELECTRICITY DEPARTMENT - PuducherryTRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21

Sr. No.	Assets group	Original Cost of Fixed Assets (Rs. Crore)									
		Closing balance at the end of previous year	Addition during FY 2017-18	Closing balance at the end of FY 2017-18	Addition during FY 2018-19	Closing balance at the end of FY 2018-19	Addition during FY 2019-20	Closing balance at the end of FY 2019-20	Addition during FY 2020-21	Closing balance at the end of FY 2020-21	
1	2	3	4	5	6	7	8	9	10	11	
1	Land and Land rights	7.35	0.15	7.50	1.19	8.69	0.53	9.22	1.14	10.36	
2	Building	17.37	0.36	17.74	2.81	20.54	1.26	21.81	2.69	24.49	
3	Plant & Machinery	379.63	7.92	387.55	61.34	448.88	27.59	476.47	58.70	535.18	
4	Lines and Cables Network	236.85	4.94	241.79	38.27	280.05	17.21	297.27	36.63	333.89	
5	Vehicles	1.89	0.04	1.93	0.31	2.23	0.14	2.37	0.29	2.66	
6	Furniture and Fixtures	0.15	0.00	0.15	0.02	0.18	0.01	0.19	0.02	0.21	
7	Office Equipments	0.84	0.02	0.86	0.14	1.00	0.06	1.06	0.13	1.19	
8	IT Equipments	2.00	0.04	2.04	0.32	2.36	0.15	2.51	0.31	2.82	
9	Testing & Measuring Equipments	3.31	0.07	3.38	0.54	3.92	0.24	4.16	0.51	4.67	
10	SCADA Centre	26.77	0.56	27.33	4.32	31.65	1.95	33.60	4.14	37.74	
11	Others	-	-	-	-	-	-	-	-	-	
20	<b>Total</b>	<b>676.16</b>	<b>14.10</b>	<b>690.27</b>	<b>109.25</b>	<b>799.51</b>	<b>49.14</b>	<b>848.65</b>	<b>104.56</b>	<b>953.21</b>	

\* Above GFA is excluding assets from Consumer Contribution and Grant

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

True-up for FY 2017-18 FY 2018-19, Review for FY 2019-20 and Revised ARR for FY 2020-21

Format-8

ELECTRICITY DEPARTMENT - Puducherry

TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21

Works in Progress

Sr. No.	Particulars	Provisional True up FY 2017-18	FY 2018-19	Ensuing Year (Projections)		(Rs. Crore)
				FY 2019-20	FY 2020-21	
1	2	4	7	8	9	
1	Opening Balance	100.07	139.50	107.98	119.57	
2	Add: New Investments	53.53	77.72	60.73	234.75	
3	Total	153.60	217.22	168.71	354.32	
4	Less Investment Capitalized	14.10	109.25	49.14	104.56	
5	Closing Balance	139.50	107.98	119.57	249.76	

**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

ELECTRICITY DEPARTMENT - Puducherry

TRUE-UP FOR FY 2017-18, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD - FY 2019-20 TO FY 2021-22

Sr. No.	Interest Capitalized	Interest Capitalised (Rs. Crore)			
		Provisional True Up	APR	Ensuing Year (Projections)	
		FY 2017-18 6	FY 2018-19 7	FY 2019-20 8	FY 2020-21 9
1	2	6	7	8	9
1	WIP	139.50	107.98	119.57	249.76
2	GFA* at the end of the year	690.27	799.51	848.65	953.21
3	WIP+GFA at the end of the year	829.77	907.49	968.22	1,202.97
4	Interest (excluding interest on WCL*)	14.37	15.78	19.40	22.43
5	Interest Capitalized	-	-	-	-

\*WIP:Works-in-Progress; GFA:Gross Fixed Assets; WCL:Working capital loan

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

ELECTRICITY DEPARTMENT - PuducherryTRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21Normative Loan Recalculation

Sr. No.	Particulars	Previous Year		Previous Year (Est.) FY 2018-19 7	Current Year (Rev. Est) FY 2019-20 8	Ensuing Year (Projection) FY 2020-21 9
		Previous Year (Est.) FY 2017-18 6	Previous Year (Est.) FY 2018-19 7			
1	2					
1	Opening Normative Loan	112.45	95.02	95.02	139.56	143.69
2	Add: Normative Loan during the Year	9.87	76.47	76.47	34.40	73.19
3	Less: Normative Repayment	27.30	31.93	31.93	30.26	33.08
4	<b>Closing Normative Loan</b>	95.02	139.56	139.56	143.69	183.80
4	Average Normative Loan	<b>103.73</b>	<b>117.29</b>	<b>117.29</b>	<b>141.63</b>	<b>163.75</b>
5	Rate of Interest (@SBAR rate)	13.85%	13.45%	13.45%	13.70%	13.70%
6	<b>Interest on Normative Loan</b>	<b>14.37</b>	<b>15.78</b>	<b>15.78</b>	<b>19.40</b>	<b>22.43</b>
7	Other Finance Charges	2.38	2.50	2.50	-	-
8	<b>Total Interest &amp; Finance Charges</b>	<b>16.75</b>	<b>18.28</b>	<b>18.28</b>	<b>19.40</b>	<b>22.43</b>

  
**SUPERINTENDING ENGINEER,**  
 -cum-HOD  
 Electricity Department  
 Puducherry



**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD - FY 2019-20 TO FY 2021-22**  
**Value of Assets and Depreciation Charges**

Sr. No.	Name of the Assets	Rate of Dep*	Actual		Actual		Revised Estimates (Current Year)		Ensuing Year (Control Period)		FY 2021-22	
			FY 2017-18		FY 2018-19		FY 2019-20		FY 2020-21		FY 2021-22	
			Assets value at the beginning of the year	Depreciation charges	Assets value at the beginning of the year	Depreciation charges	Assets value at the beginning of the year	Depreciation charges	Assets value at the beginning of the year	Depreciation charges	Assets value at the beginning of the year	Depreciation charges
1	2	3	10	11	12	13	14	15	16	17		
1	Land and Land rights	0.00%	7.35	-	7.50	-	8.69	-	9.22	-	10.36	
2	Building	3.34%	17.37	0.59	17.74	0.64	20.54	0.38	21.81	0.42	24.49	
3	Plant & Machinery	5.28%	379.63	20.25	387.55	22.08	448.88	16.66	476.47	18.21	535.18	
4	Lines and Cables Network	5.28%	236.85	12.64	241.79	13.78	280.05	10.39	297.27	11.36	333.89	
5	Vehicles	9.50%	1.89	0.18	1.93	0.20	2.23	0.41	2.37	0.45	2.66	
6	Furniture and Fixtures	6.33%	0.15	0.01	0.15	0.01	0.18	0.01	0.19	0.01	0.21	
7	Office Equipments	6.33%	0.84	0.05	0.86	0.06	1.00	0.06	1.06	0.07	1.19	
8	IT Equipments	15.00%	2.00	0.30	2.04	0.33	2.36	0.15	2.51	0.16	2.82	
9	Testing & Measuring Equipments	5.28%	3.31	0.18	3.38	0.19	3.92	0.24	4.16	0.27	4.67	
10	SCADA Centre	6.33%	26.77	1.71	27.33	1.87	31.65	1.96	33.60	2.14	37.74	
11	Others											
	<b>Total</b>		<b>676.16</b>	<b>35.91</b>	<b>690.27</b>	<b>39.15</b>	<b>799.51</b>	<b>30.26</b>	<b>848.65</b>	<b>33.08</b>	<b>953.21</b>	<b>-</b>

Note \* Depreciation rates as per CERC's Depreciation Rate Schedule, Opening GFA as per Annual Accounts and depreciation for True-up and provisional year is as per

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry



Format-13

ELECTRICITY DEPARTMENT - Puducherry  
TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT  
FOR FY 2020-21

Repair and Maintenance Expenses

Sr. No	Particulars	(Rs. Crore)			
		Previous Year FY 2017-18	Current Year FY 2018-19	Ensuing Year (Projections) FY 2019-20	FY 2020-21
1	2	3	4	5	6
1	Plant & machinery				
2	Building				
3	Minor R&M works				
4	<b>Total</b>	-	-	-	-
5	Add/Deduct share of others (To be specified)				
6	<b>Total expenses</b>	-	-	-	-
7	Less : Capitalized				
8	<b>Net expenses</b>	-	-	-	-
9	Add: prior period				
10	<b>Total expenses charged to revenue as R&amp;M expenses</b>	9.90	4.47	11.92	12.97

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

**ELECTRICITY DEPARTMENT - Puducherry**

**TRUE-UP FOR FY 2017-18, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD - FY 2019-20 TO FY 2021-22**

**Total Number of Employees**

Sr. No.	Particulars	2014-15	2015-16	2016-17	Previous Year FY 2017-18	Previous Year FY 2018-19	Current Year (Provisional) FY 2019-20	Ensuig Year (Projections) FY 2020-21
1	2				3	4	5	6
1	Number of employees as on 1st April	2097	2,097.00	2179	2,179.00	2,265.00	2,233.00	2,203.00
2	Employees on deputation/ foreign service as on 1st April	52						
4	Total number of employees as on 1st April (1+2)	2149	2097	2,179.00	2,179.00	2,265.00	2,233.00	2,203.00
3	Recruitment	0	172	0	139.00	30.00	80.00	40.00
5	Number of employees retired/ retiring during the year	52	90	0	53.00	62.00	110.00	106.00
6	Number of employees at the end of the year (4-5)	2,097.00	2,179.00	2,179.00	2,265.00	2,233.00	2,203.00	2,137.00

  
**SUPERINTENDING ENGINEER**  
 -Cum-HOD  
**Electricity Department**  
**Puducherry**

ELECTRICITY DEPARTMENT - Puducherry

TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21

Employee Cost

Sr.No	Particulars	Actuals			Previous Year FY 2017-18 6	Previous Year FY 2018-19 7	Current Year (Provisional) FY 2019-20 8	Ensuing Year (Projections) FY 2020-21 9
		2014-15	2015-16	2016-17				
1	2							
	<b>Salaries &amp; Allowances</b>							
1	Salary	87.78	90.91	105.61	111.17	127.40		
2	Wages	0.64	0.64	0.65	0.78	0.79		
3	Stipend	0.40	0.46	1.50	0.78	0.55		
4	Transport Allowance	0.47	0.54	0.49				
5	Overtime allowance	0.78	1.76	1.23	1.04	0.08		
6	<b>Total</b>	<b>90.07</b>	<b>94.31</b>	<b>109.46</b>	<b>113.77</b>	<b>128.81</b>		
7	Less: Add/Deduct share of others	1.94	1.85	0.86				
8	<b>Total</b>	<b>88.13</b>	<b>92.46</b>	<b>108.60</b>	<b>113.77</b>	<b>128.81</b>		
	<b>Less: Employee Cost towards maintenance of toher Govt Department</b>				0.49	0.54		
9	Less: Amount capitalized	12.21	14.26	14.92	16.37	17.95		
10	<b>Net amount</b>	<b>75.93</b>	<b>78.21</b>	<b>93.69</b>	<b>96.90</b>	<b>110.32</b>		
11	Add : prior period expenses							
12	<b>Total Employee Expenses for PED</b>	<b>75.93</b>	<b>78.21</b>	<b>93.69</b>	<b>96.90</b>	<b>110.32</b>	<b>99.57</b>	

  
 SUB-ENGINEERING ENGINEER  
 -cum-HOD  
 Electricity Department  
 Puducherry

## ELECTRICITY DEPARTMENT - Puducherry

## TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21

## Employee Cost

Sr.No	Particulars	Actuals			Previous Year FY 2017-18 6	Previous Year FY 2018-19 7	Current Year (Provisional) FY 2019-20 8	Ensuing Year (Projections) FY 2020-21 9
		2014-15	2015-16	2016-17				
1	2							
	Salaries & Allowances							
1	Salary	87.78	90.91	105.61	111.17	127.40		
2	Wages	0.64	0.64	0.65	0.78	0.79		
3	Stipend	0.40	0.46	1.50	0.78	0.55		
4	Transport Allowance	0.47	0.54	0.49				
5	Overtime allowance	0.78	1.76	1.23	1.04	0.08		
6	<b>Total</b>	<b>90.07</b>	<b>94.31</b>	<b>109.46</b>	<b>113.77</b>	<b>128.81</b>		
7	Less: Add/Deduct share of others	1.94	1.85	0.86				
8	<b>Total</b>	<b>88.13</b>	<b>92.46</b>	<b>108.60</b>	<b>113.77</b>	<b>128.81</b>		
	Less: Employee Cost towards maintenance of toher Govt Department				0.49	0.54		
9	Less: Amount capitalized	12.21	14.26	14.92	16.37	17.95		
10	<b>Net amount</b>	<b>75.93</b>	<b>78.21</b>	<b>93.69</b>	<b>96.90</b>	<b>110.32</b>		
11	Add : prior period expenses							
12	<b>Total Employee Expenses for PED</b>	<b>75.93</b>	<b>78.21</b>	<b>93.69</b>	<b>96.90</b>	<b>110.32</b>	<b>122.67</b>	

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT**  
**FOR FY 2020-21**

**Administration and General Expenses**

Sr. No.	Particulars	(Rs. Crore)			
		Previous Year FY 2017-18	Previous Year FY 2018-19	Current Year (Provisional) FY 2019-20	Ensuing Year (Projections) FY 2020-21
1	2	3	4	5	6
1	Rent, rates & taxes				
2	Other Professional charges including Regulatory Expenses (License + Petition Fees)				
3	Office Expenses including Legal, Professional & Special Service Charges				
4	Advertisement & Publicity				
5	Other A&G Charges				
6	Other professional charges	8.37	9.29		
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	1.29	2.56		
14	Payment towards smart grid projects				
15	<b>Total</b>	<b>9.66</b>	<b>11.85</b>		
16	Add/Deduct share of others (to be specified)				
17	<b>Total expenses</b>	<b>9.66</b>	<b>11.85</b>		
18	Less: Capitalized				
19	<b>Net expenses</b>	<b>9.66</b>	<b>11.85</b>		
20	Add: Prior period				
21	<b>Total A&amp;G Expenses charged to revenue</b>	<b>9.66</b>	<b>11.85</b>	<b>12.83</b>	<b>13.38</b>

Electricity Department, Puducherry

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department

Format-17

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT**  
**FOR FY 2020-21**

**Information regarding Bad and Doubtful Debts**

(Rs. Crore)

Sr. No.	Particulars	Ensuing Year				
		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
1	2	5	6	7	8	9
1	Amount of receivables (audited)			-	-	-
2	Bad and doubtful debts actually written-off in the books of accounts					
3	Provision made for debts in ARR					

Format-18

**ELECTRICITY DEPARTMENT - Puducherry**

**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**

**Information regarding Working Capital for Previous and Current year as per JERC (Terms and Conditions for Determination of Tariff) Regulations, 2009**

(Rs in Crs.)

Sr. No.	Particulars	Previous Year	
		FY 2017-18	FY 2018-19
1	2		
1	Receivable - 2 months	223.59	252.80
2	Less :Power Purchase - 1 months	98.04	109.36
3	Less : Inventory for two months	7.77	7.77
4	Less: Security Deposit Opening Bal.	177.70	197.65
5	<b>Total</b>	<b>(44.39)</b>	<b>(46.45)</b>
6	<b>Interest Rate *</b>	9.10%	8.70%
7	<b>Interest on working capital</b>	-	-

\* SBI Lending Rate as on 1st April of relevant Financial year -

Format - 18 A

**ELECTRICITY DEPARTMENT - Puducherry**

**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**

**Information regarding Working Capital for ensuing year as per JERC (Multi Year Distribution Tariff) Regulations, 2018**

Sr. No.	Particulars	Current Year (revised estimates)	Ensuing Year (Projections)
		FY 2019-20	FY 2020-21
1	2	3	4
1	Two Months Receivable	275.69	290.50
2	O&M Expense - 1 month	11.33	12.39
3	Maintenance Spare @ 40% of R&M Exp - one month	0.22	0.42
4	Less : Amount held as Security Deposit	(229.24)	(251.52)
5	<b>Total</b>	<b>58.00</b>	<b>51.79</b>
6	<b>Interest Rate *</b>	10.55%	10.55%
7	<b>Interest on working capital</b>	<b>6.12</b>	<b>5.46</b>

Electricity Department, Puducherry

*Shmei*  
**SUPERINTENDING ENGINEER**  
**-cum-HOD**  
**Electricity Department**  
**Puducherry**

True-up for FY 2017-18 FY 2018-19, Review for FY 2019-20 and Revised ARR for FY 2020-21

Format-18-A

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR**  
**FY 2020-21**

Information regarding Security Deposits from Consumers

Sr. No.	Particulars	Rs. Crores			
		Previous Year FY 2017-18	Previous Year FY 2018-19	Current Year (Est.) FY 2019-20	Ensuing Year (Projections) FY 2020-21
1	2	6	7	8	9
1	Opening Security Deposit	177.70	197.65	218.36	240.11
2	Add: Deposits during the Year	19.95	20.71	21.74	22.83
3	Less: Deposits refunded	-	-	-	-
4	Less: Deposits in form of BG/FDR	-	-	-	-
5	<b>Closing Security Deposit</b>	<b>197.65</b>	<b>218.36</b>	<b>240.11</b>	<b>262.94</b>
6	Bank Rate	6.25%	6.00%	6.25%	6.25%
7	Interest on Security Deposit *	<b>11.73</b>	<b>12.48</b>	<b>14.33</b>	<b>15.72</b>
					<b>17.18</b>

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
**Electricity Department**  
**Puducherry**

True-up for FY 2017-18 FY 2018-19, Review for FY 2019-20 and Revised ARR for FY 2020-21

Format-18-B

ELECTRICITY DEPARTMENT - Puducherry

TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21

Provisions of Interest on Security Deposits from Consumers

Rs. Crores

Sr. No.	Particulars	Previous Year (Audit)					FY 2020-21	
		FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19		FY 2019-20
1	2	6	7	8				
1	Opening Security Deposit	123.48	144.79	161.58	177.70	197.65	218.36	240.11
2	Add: Deposits during the Year	21.31	16.79	16.13	19.95	20.71	21.74	22.83
3	Less: Deposits refunded	-	-					
4	Less: Deposits in form of BG/FDR							
5	Closing Security Deposit	144.79	161.58	177.70	197.65	218.36	240.11	262.94
6	Bank Rate	8.50%	8.50%	7.75%	6.25%	6.00%	6.25%	6.25%
7	Interest on Security Deposit *	11.40	13.02	13.15	11.73	12.48	14.33	15.72
8	Cumulative Security Deposit of Past Years	89.42						
9	Security Deposit Paid	1.97	2.88	3.50	3.50	4.20	5.00	5.00
10	Balance Security Deposit to be Paid during control Period	84.57						



Format-19

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD - FY 2019-20 TO FY 2021-22**  
**Information regarding Foreign Exchange Rate Variation (FERV).**

Sr. No.	Particulars	Previous Year (Provisional)	Current Year (Provisional)	Ensuing Year (Projections)	
		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
1	2	6	7	8	9
1	Amount of liability provided				
2	Amount recovered				
3	Amount adjusted				

Format-20

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD - FY 2019-20 TO FY 2021-22**  
**Non Tariff Income.**

Sr. No.	Particulars	Previous Year (Provisional)	Previous Year (Provisional)	Current Year (Provisional)	Ensuing Year (Projections)
		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
1	2	6	7	8	9
1	Meter/service rent				
2	Late payment surcharge				
3	RRAS Income	2.19	1.71		
4	URS Income	1.71	0.80		
5	UI Charges	13.88	1.66		
6	Open access Income	9.05	0.01		
7	Income from trading of Materials	0.00	0.01		
8	Interest Income on Margin Money Deposit with Bank	1.09	1.17		
9	Misc. Receipts/income	3.82	7.77		
10	<b>Total income</b>	<b>31.75</b>	<b>13.12</b>		
11	Add: Prior Period income				
12	<b>Total Non Tariff Income</b>	<b>31.75</b>	<b>13.12</b>	<b>13.12</b>	<b>13.12</b>

Electricity Department, Puducherry

Format-21

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD - FY 2019-20 TO FY 2021-22**  
**Information regarding Revenue from Other Business**

Sr. No.	Particulars	(Amount in Crores Rupees)						
		Provisional True up	APR	Ensuing Year (Projections)				
		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22		
1	2	3	4	5	6	7	8	9
1	Total revenue from other business							
2	Income from other business to be considered for licensed business as per regulations							

NIL

Format-22

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD - FY 2019-20 TO FY 2021-22**

Lease Details

Sr. No.	Name of Lesser	Gross Assets (Rs. Crore)	Lease entered on	Lease Rentals (Crs/pm)	Primary period ended/ ending by	Secondary period ending by
1	2	3	4	5	6	7
1	Power Grid	23.07	07-01-2002		06-01-2017	NA



Format-23

ELECTRICITY DEPARTMENT - Puducherry

TRUE-UP FOR FY 2017-18, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD - FY 2019-20 TO FY 2021-22

Information regarding Wholesale Price Index (All Commodities)

Sr. No.	Period	WPI	Increase over previous year
1	2	3	4
4	Financial Year 2013-14	112.46	
5	Financial Year 2014-15	113.88	1.26%
6	Financial Year 2015-16	109.72	-3.65%
7	Financial Year 2016-17	111.62	1.73%
8	Financial Year 2017-18	114.88	2.92%
9	Financial Year 2018-19	119.79	4.28%
10	Average WPI of last three years		2.98%

Format-24

ELECTRICITY DEPARTMENT - Puducherry

TRUE-UP FOR FY 2017-18, ANNUAL REVENUE REQUIREMENT FOR MYT CONTROL PERIOD - FY 2019-20 TO FY 2021-22

Information regarding amount of equity and loan

Sr. No.	Period	Amount of equity (Rs. Crore) *	Amount of loan (Rs. Crore)	Ratio of equity & loan
1	2	3	4	5
4	As on March 31 of FY 2017-18	586.53	103.73	85 : 15
5	As on March 31 of FY 2018-19	682.22	117.29	85 : 15
6	As on March 31 of FY 2019-20	707.02	141.63	83 : 17
7	As on March 31 of FY 2020-21	789.46	163.75	83 : 17

Note \* Equity is computed as balancing figure from Total GFA minus Normative Loan

*Shree*

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW - FY 2019-20 and ANNUAL**  
**REVENUE REQUIREMENT FOR FY 2020-21**

**ANNUAL REVENUE REQUIREMENT FOR FY 2017-18 (True-up)**  
(Rs. in Crores)

Sr. No.	Item of expense	Approved by the Commission	Actuals
	2	5	6
1	Cost of fuel		
2	Cost of power purchase including RPO Provision to meet obligation of the previous years	1,134.92	1,176.47
3	Employee costs	97.22	96.90
4	Administration and General expenses	9.41	9.66
5	R&M expenses	22.02	9.90
6	Depreciation	40.04	27.30
7	Interest charges	18.46	16.75
8	Interest on working capital		-
9	Return on NFA/Equity	34.00	32.79
10	Provision for Bad Debt	-	-
11	Interest on Consumer Security Deposit	10.46	3.50
12	<b>Total Revenue Requirement</b>	<b>1,366.53</b>	<b>1,373.28</b>
13	Less: Non Tariff Income	4.51	31.75
14	<b>Net Revenue Requirement (12-13)</b>	<b>1,362.03</b>	<b>1,341.53</b>
15	Revenue from Tariff *	1,211.84	1,262.83
16	<b>Revenue Gap (14-15)</b>	<b>150.19</b>	<b>78.70</b>
17	Revenue from Regulatory surcharge	48.47	49.15
18	Revenue from Open Access Charges	8.19	
19	Power Purchase /Revenue adjusted from Rooftop Solar Adjusted in Revenue Bills of Consumers		-
19	<b>Net Revenue Gap after Surcharge (16-17-18+19)</b>	<b>93.53</b>	<b>29.55</b>
20	Energy sales (MU)	2,535.58	2,548.76
21	<b>Average Cost of Supply (Rs/kWh)</b>	<b>5.37</b>	<b>5.26</b>

Note: Power Purchase Cost also includes adjustment of Net Metering from Solar Consumers Bills

Electricity Department, Puducherry

ELECTRICITY DEPARTMENT - Puducherry2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENTANNUAL REVENUE REQUIREMENT FOR FY 2018-19 (True-up)

Sr. No.	Item of expense	Approved by the Commission	Revised by Licensee
1	2	4	5
1	Cost of fuel		
2	Cost of power purchase	1,125.64	1,312.35
3	Employee costs	104.42	110.32
4	Administration and General expenses	13.45	11.85
5	R&M Expenses	26.51	4.47
6	Depreciation	43.39	31.93
7	Interest charges	17.93	18.28
8	Interest on working capital		-
9	Return on NFA /Equity	36.86	35.75
10	Provision for Bad Debt		-
11	Interest on Consumer Security Deposit	11.06	4.20
12	Provision to meet arrears of interest on consumer security deposit		
13	<b>Total Revenue Requirement</b>	<b>1,379.26</b>	<b>1,529.15</b>
14	Less: Non Tariff Income	4.51	13.12
15	<b>Net Revenue Requirement (11-12)</b>	<b>1,374.75</b>	<b>1,516.03</b>
16	Revenue from Tariff *	1,367.89	1,387.34
17	<b>Revenue Gap (13-14)</b>	<b>6.86</b>	<b>128.69</b>
18	Additional Surcharge	55.18	55.84
19	Revenue from Open Access	11.57	-
20	<b>Net Revenue Gap after Surcharge (15-16)</b>	<b>(59.89)</b>	<b>72.85</b>
21	Energy sales (MU)	2,606.31	2,644.54
22	<b>Average Cost of Supply (Rs/kWh)</b>	<b>5.27</b>	<b>5.73</b>

Note: Power Purchase Cost also includes adjustment of Net Metering from Solar Consumers Bills



**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL**  
**REVENUE REQUIREMENT FOR FY 2020-21**

**PROJECTION OF ANNUAL REVENUE REQUIREMENT FOR ENSUING YEAR (MYT PERIOD FY 2019-20 TO FY**  
**2020-21)**

Sr. No.	Item of expense	Current year (Rev. Estimates)		Proposed
		FY 2019-20	FY 2020-21	
1	2	3	4	
1	Cost of fuel			
2	Cost of power purchase	1,369.61	1,411.41	
3	Employee costs	116.33	122.67	
4	R&M expenses	6.74	12.64	
5	Administration and General expenses	12.83	13.38	
6	Depreciation	30.26	33.08	
7	Interest charges	19.40	22.43	
8	Interest on working capital	5.00	3.89	
9	Return on NFA/Equity	38.44	42.03	
10	Provision for Bad Debt	-	-	
11	Interest on Consumer Security Deposit	5.00	5.00	
12	<b>Total Revenue Requirement</b>	<b>1,603.62</b>	<b>1,666.54</b>	
13	Less: Non Tariff Income	13.12	13.12	
14	<b>Net Revenue Requirement (12-13)</b>	<b>1,590.50</b>	<b>1,653.42</b>	
15	Revenue from Existing Tariff *	1,538.87	1,610.05	
16	<b>Revenue Gap (14-15)</b>	<b>51.63</b>	<b>43.37</b>	
17	Additional Surcharge	61.37	64.51	
18	<b>Net Gap (16-17)</b>	<b>(9.74)</b>	<b>(21.14)</b>	
19	Energy sales (MU)	2,830.21	2,971.07	
20	<b>Average Cost of Supply (Rs/kWh)</b>	<b>5.62</b>	<b>5.57</b>	

\*\* - Treatment of Gap and impact on Tariff shown separately

**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

Format-25B

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE**  
**REQUIREMENT FOR FY 2020-21**  
**BRIEF GAP SUMMARY FOR CONTROL PERIOD**

Particulars	Previous Year (True-Up) FY 2017-18	Previous Year (True-Up) FY 2018-19	Base Year (APR) FY 2019-20	Ensuing Year (Projections) FY 2020-21
Sales for the year	2,548.76	2,644.54	2,830.21	2,971.07
Net ARR	1,341.53	1,516.83	1,590.50	1,653.42
Less: Revenue at Existing Tariffs excluding Surcharge	1,262.83	1,387.34	1,538.87	1,610.05
Less: Revenue from Open Access				
<b>Revenue Gap for the year (excluding surcharge)</b>	<b>78.70</b>	<b>128.69</b>	<b>51.63</b>	<b>43.37</b>
<b>Revenue Gap for the year (including surcharge)</b>	<b>29.55</b>	<b>72.85</b>	<b>(9.74)</b>	<b>(21.14)</b>
<b>Opening Balance of Gap (previous years)</b>	<b>94.05</b>	<b>132.31</b>	<b>218.65</b>	<b>208.90</b>
<i>Add: Gap During the year</i>	29.55	72.85	(9.74)	(21.14)
<i>Less: Additional Revenue due to tariff Hike/increase</i>			-	-
<i>Less: Additional Revenue due to Regulatory Surcharge</i>	49.15	55.84	61.37	64.50
<b>Closing Gap</b>	<b>123.60</b>	<b>205.16</b>	<b>208.90</b>	<b>187.76</b>
<i>Average Gap</i>	108.82	168.73	213.77	198.33
<i>Carrying Cost (@ 8%)</i>	8.71	13.50	-	-
<b>Total Cumulative Gap for years</b>	<b>132.31</b>	<b>218.65</b>	<b>208.90</b>	<b>187.76</b>

**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**  
**REVENUE AT EXISTING TARIFF**  
**YEAR 2017-18 (Actual April 2017 to March 2018)**

Sr. No.	Category of Consumer	No of Consumers	Energy Sale (MUs)	Contracted Maximum Demand (KW/KVA)	Tariff rate		Revenue (Rs Crore)						
					FC	EC	Demand Charges	Energy Charges	FPPCA Charges	Accrual	Total Billing	4% Surcharge	Total
1	2	3	4	5			6	7	8	9	10	11	12
<b>1</b>	<b>Domestic &amp; Cottage</b>												
a	O - 100	1,27,875	303.55		40.00	1.10	6.14	33.39			39.53	1.58	41.11
b	101 - 200	95,308	181.19		40.00	1.75	4.57	31.71			36.28	1.45	37.73
c	201 - 300	50,910	95.70		40.00	3.50	2.44	33.50			35.94	1.44	37.38
d	>300	51,752	142.84		40.00	4.60	2.48	65.71			68.19	2.73	70.92
e	OHOB	35,537	10.24	5,30,206	27.00	-	1.15	-			1.15	0.05	1.20
f	<b>Total</b>	<b>3,61,382</b>	<b>733.52</b>	<b>5,33,049</b>	-	-	<b>16.79</b>	<b>164.30</b>			<b>181.09</b>	<b>7.20</b>	<b>188.34</b>
<b>2</b>	<b>Commercial</b>												
a	O - 100	21,943	57.12		100.00	4.70	2.63	26.85			29.48	1.18	30.66
b	101 - 250	8,941	48.52		100.00	5.60	1.07	27.17			28.24	1.13	29.37
c	> 250	23,078	110.77		100.00	6.25	2.77	69.23			72.00	2.88	74.88
d	<b>Total</b>	<b>53,962</b>	<b>216.41</b>	<b>1,19,092</b>	-	-	<b>6.48</b>	<b>123.25</b>			<b>129.72</b>	<b>5.19</b>	<b>134.91</b>
<b>3</b>	<b>Agriculture</b>												
a	Small farmers	960	8.05		9.00	-	0.07	-			0.07	0.00	0.07
b	Other farmers	5,980	49.56		27.00	-	1.88	-			1.88	0.08	1.95
c	<b>Total</b>	<b>6,940</b>	<b>57.61</b>	<b>44,654</b>	-	-	<b>1.94</b>	<b>-</b>			<b>1.94</b>	<b>-</b>	<b>2.02</b>
4	Public lighting	50,434	24.48	6,119	75.00	6.75	4.54	16.52			21.06	0.84	21.91
5	LT Industrial												
a	O - 1000	6,478	148.02		86.00	5.10	0.67	75.49			76.16	3.05	79.21
b	> 1000												
c	Water tank	138	37.59		100.00	5.90	0.02	22.18			22.19	0.89	23.08
d	<b>Total</b>	<b>6,616</b>	<b>185.61</b>	<b>1,25,234</b>	-	-	<b>0.69</b>	<b>97.67</b>			<b>98.35</b>	<b>3.93</b>	<b>102.29</b>
6	Temporary supply - LT&HT												
7	Total LT	4,79,334	1,225.29	8,28,148			30.44	409.21			439.65	17.16	456.93
8	HT 1 Industrial	357	856.24	856	250.00	5.25	69.51	449.53			519.04	20.76	539.80
9	HT 1-Commercial	80	77.19	77	250.00	5.25	7.63	40.52			48.16	1.93	50.08
10	HT 2	43	63.14	63	250.00	6.75	6.77	42.62			49.39	1.98	51.37
11	HT 3 - EHT	5	326.90	327	220.00	5.10	16.38	166.72			183.10	7.32	190.42
13	Total HT	485	1,323.47	4,95,569			100.29	699.39				31.99	831.67
14	<b>Total</b>	<b>4,79,819</b>	<b>2548.76</b>	<b>13,23,717</b>	<b>0</b>	<b>-</b>	<b>130,72,981.15</b>	<b>1,10,9</b>			<b>439,64,51,792</b>	<b>49</b>	<b>1,288,60,32,76</b>

Less Incentive to consumers (Net of penal charges)  
 Total -16.27  
 1272.33

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department



**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**  
**REVENUE AT EXISTING TARIFF**  
**YEAR 2018-19 (Actual April 2018 to March 2019)**

Sr. No.	Category of Consumer	No of Consumers	Energy Sale (MUs)	Contracted Maximum Demand (KW/kVA)	Revenue (Rs Crore)							
					Demand Charges	Energy Charges	FPPCA Charges	Accrual	Total Billing	4% Surcharge	Total	
1	2	3	4.00	5		6	7	8	9	10	11	12
1	Domestic & Cottage											
a	0 - 100	131878	292.80		40.00	6.33	38.06			44.39	1.78	46.17
b	101 - 200	98291	178.22		40.00	2.25	40.10			44.82	1.79	46.61
c	201 - 300	52503	95.68		40.00	3.95	37.79			40.31	1.61	41.93
d	>300	53372	144.86		40.00	5.10	73.88			76.44	3.06	79.50
e	OHOB	35537	10.24	2,843	35.00	1.49				1.49	0.06	1.49
f	<b>Total</b>	<b>371581</b>	<b>721.80</b>	<b>5,57,491</b>		<b>17.62</b>	<b>189.84</b>			<b>207.46</b>	<b>8.24</b>	<b>215.69</b>
2	Commercial											
a	0 - 100	22424	56.18		120.00	3.23	28.93			32.16	1.29	33.45
b	101 - 250	9137	47.72		120.00	1.32	29.35			30.66	1.23	31.89
c	>250	23584	108.95		120.00	3.40	74.63			78.03	3.12	81.15
d	<b>Total</b>	<b>55145</b>	<b>212.85</b>	<b>1,28,476</b>		<b>7.94</b>	<b>132.91</b>			<b>140.85</b>	<b>5.63</b>	<b>146.49</b>
3	Agriculture											
a	Small farmers	960	8.05		10.00	0.07	0.00			0.07	0.00	0.08
b	Other farmers	6013	51.81		45.00	2.90	0.00			2.90	0.12	3.02
c	<b>Total</b>	<b>6973</b>	<b>59.86</b>	<b>44,654</b>		<b>2.98</b>	<b>0.00</b>			<b>2.98</b>	<b>0.12</b>	<b>3.10</b>
4	Public lighting	50666	27.58	6,180	100.00	6.08	18.62			24.70	0.99	25.68
5	LT Industrial	6586	124.59		100.00	0.79	69.77			70.56	2.82	73.38
c	Water tank	139	35.00		120.00	0.02	22.40			22.42	0.90	23.32
d	<b>Total</b>	<b>6725</b>	<b>159.59</b>	<b>1,27,714</b>		<b>0.81</b>	<b>92.17</b>			<b>92.98</b>	<b>3.72</b>	<b>96.70</b>
6	Temporary supply - LT&HT		8.12				8.12			8.12		8.12
7	Total LT	491090	1189.80	8,64,515		35.43	441.65			477.08	18.58	495.78
8	HT 1 Industrial	323	889.08		350.00	99.23	471.21			570.45	22.82	593.26
c	HT 1- Commercial	101	83.05	3,55,345	350.00	12.69	44.85			57.54	2.30	59.84
9	HT 2 - Government & water tank	64	66.06	33554.0	450.00	13.52	42.94			56.45	2.26	58.71
10	HT 3 - EHT	7	416.55	126946.0	420.00	35.86	208.28			244.14	9.77	253.90
11	Total HT	495	1454.74	515845.0		161.30	767.27			477.08	37.14	514.22
12	<b>Total</b>	<b>491585</b>	<b>2644.54</b>	<b>1380360</b>		<b>196.73</b>	<b>1208.93</b>			<b>477.08</b>	<b>55.72</b>	<b>1461.50</b>

-21.15  
1440.35

  
**SUPERINTENDING ENGINEER**  
**-cum-HOD**  
**Electricity Department**  
**Puducherry**


**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**  
**REVENUE AT EXISTING TARIFF**  
**YEAR 2019-20 (H1) (Actual April 2019 to September 2019)**

Sr. No.	Category of Consumer	No of Consumers	Energy Sale (MUs)	Contracted Maximum Demand (KW/kVA)	Revenue (Rs Crore)					
					Demand Charges	Energy Charges	FPPCA Charges	Total Billing	4% Surcharge	Total
1	2	3	4.00	5	6	7	8	9	10	11
<b>1</b>	<b>Domestic &amp; Cottage</b>									
a	0 - 100	135553.0	184.3	40.0	1.5	27.6		30.9	1.2	32.1
b	101 - 200	101031.0	112.1	40.0	2.5	28.0		30.5	1.2	31.7
c	201 - 300	54796.0	60.6	40.0	4.4	26.4		27.7	1.1	28.8
d	>300	54860.0	88.0	40.0	5.6	49.3		50.6	2.0	52.6
e	OHOB	8808.0	3.8	2843.0	-	0.2		1.5		1.5
f	<b>Total</b>	<b>355048.0</b>	<b>448.8</b>	<b>583061.0</b>	<b>8.5</b>	<b>131.3</b>		<b>141.1</b>	<b>5.6</b>	<b>146.7</b>
<b>2</b>	<b>Commercial</b>									
a	0 - 100	22941.0	35.0	120.0	5.5	19.2		20.9	0.8	21.7
b	101 - 250	9347.0	27.9	120.0	6.5	18.1		18.8	0.8	19.5
c	> 250	24126.0	56.5	120.0	7.2	40.7		42.4	1.7	44.1
d	<b>Total</b>	<b>56414.0</b>	<b>119.3</b>	<b>138600.0</b>	<b>4.1</b>	<b>78.0</b>		<b>82.1</b>	<b>3.3</b>	<b>85.3</b>
<b>3</b>	<b>Agriculture</b>									
a	Small farmers	960.0	0.0	10.0	-	0.0		0.0	0.0	0.0
b	Other farmers	6069.0	24.9	45.0	-	0.0		1.5	0.1	1.5
c	<b>Total</b>	<b>7029.0</b>	<b>25.0</b>	<b>44654.0</b>	<b>1.5</b>	<b>0.0</b>		<b>1.5</b>	<b>0.1</b>	<b>1.5</b>
<b>4</b>	<b>Public lighting</b>	51012.0	12.2	100.0	6.8	8.3		11.3	0.5	11.8
<b>5</b>	<b>LT Industrial &amp; Water Tank</b>									
a	LT Industrial	6564.0	79.4	120.0	5.8	46.0		46.5	1.9	48.4
b	Water tank	155.0	19.2	140.0	6.7	12.9		12.9	0.5	13.4
c	<b>Total</b>	<b>6719.0</b>	<b>98.6</b>	<b>130242.0</b>	<b>0.5</b>	<b>58.9</b>		<b>59.4</b>	<b>2.4</b>	<b>61.8</b>
<b>6</b>	<b>Temporary supply - LT&amp;HT</b>									
a	Temporary supply - LT&HT	476222.0	4.0		9.8	3.9		3.9	0.2	4.1
<b>7</b>	<b>Total LT</b>	<b>476222.0</b>	<b>708.0</b>	<b>902,799</b>	<b>17.6</b>	<b>280.5</b>		<b>299.3</b>	<b>11.9</b>	<b>311.3</b>
<b>8</b>	<b>HT 1 Industrial</b>	325.0	454.0	400.0	5.4	242.9		300.2	12.0	312.2
<b>9</b>	<b>HT 1 Commercial</b>	99.0	46.6	3,66,965	5.5	24.9		33.0	1.3	34.3
<b>10</b>	<b>HT 2 - Government &amp; water tank</b>	66.0	36.7	36,910	6.5	23.8		30.7	1.2	31.9
<b>11</b>	<b>HT 3 - EHT</b>	7.0	206.1	1,33,280	5.1	105.1		124.5	5.0	129.5
<b>12</b>	<b>Total HT</b>	<b>497.0</b>	<b>743.4</b>	<b>5,37,155</b>	<b>90.8</b>	<b>397.5</b>		<b>488.3</b>	<b>19.5</b>	<b>507.9</b>
<b>13</b>	<b>Total</b>	<b>476719</b>	<b>1451.389581</b>	<b>1439954</b>	<b>108.42</b>	<b>677.95</b>		<b>787.67</b>	<b>31.39</b>	<b>819.12</b>

  
**SUPERINTENDING ENGINEER**  
**-cum-HOD**  
**Electricity Department**  
**Puducherry**

**ELECTRICITY DEPARTMENT - Puducherry**  
**TRUE-UP FOR FY 2017-18, FY 2018-19, ANNUAL PERFORMANCE REVIEW- FY 2019-20 and ANNUAL REVENUE REQUIREMENT FOR FY 2020-21**  
**REVENUE AT EXISTING TARIFF**  
**YEAR 2019-20 (April 2019 to March 2020)**

Sr. No.	Category of Consumer	No of Consumers	Energy Sale (MUs)	Contracted Maximum Demand (KW/kVA)	Tariff rate			Revenue (Rs Crore)					
					FC	EC Rate	Demand Charges	Energy Charges	FPPCA Charges	Total Billing	4% Surcharge	Total	
1	2	3	4	5				6	7	8	9	10	11
<b>1</b>	<b>Domestic &amp; Cottage</b>												
a	0 - 100	1,37,866	355.4		40.0	1.5	6.6	53.3			59.9	2.4	62.3
b	101 - 200	1,02,755	212.8		40.0	2.5	4.9	53.2			58.1	2.3	60.5
c	201 - 300	54,888	112.4		40.0	4.4	2.6	48.9			51.5	2.1	53.6
d	>300	55,795	167.8		40.0	5.6	2.7	93.9			96.6	3.9	100.5
e	OHOB	8,808	7.4	2,843	35.0	-	0.4				1.5		1.5
f	<b>Total</b>	<b>3,60,112</b>	<b>855.7</b>	<b>5,83,061</b>			<b>17.2</b>	<b>249.3</b>			<b>267.7</b>	<b>10.6</b>	<b>278.3</b>
<b>2</b>	<b>Commercial</b>												
a	0 - 100	23,258	68.2		120.0	5.5	3.3	37.5			40.9	1.6	42.5
b	101 - 250	9,477	53.7		120.0	6.5	1.4	34.9			36.3	1.5	37.7
c	> 250	24,462	108.2		120.0	7.2	3.5	77.9			81.4	3.3	84.7
d	<b>Total</b>	<b>57,197</b>	<b>230.1</b>	<b>1,38,600</b>			<b>8.2</b>	<b>150.3</b>			<b>158.6</b>	<b>6.3</b>	<b>164.9</b>
<b>3</b>	<b>Agriculture</b>												
a	Small farmers	960	8.1		10.0	-	0.1				0.1	0.0	0.1
b	Other farmers	6,069	49.8		45.0	-	2.9				2.9	0.1	3.0
c	<b>Total</b>	<b>7,029</b>	<b>57.9</b>	<b>44,654</b>			<b>3.0</b>				<b>3.0</b>		<b>3.1</b>
<b>4</b>	<b>Public lighting</b>	51,059	24.5	6,242	100.0	6.8	6.1	16.5			22.7	0.9	23.6
<b>5</b>	<b>LT Industrial &amp; Water Tank</b>												
a	LT Industrial	6,588	154.8		120.0	5.8	0.9	89.8			90.7	3.6	94.4
c	Water tank	155	37.4		140.0	6.7	0.0	25.1			25.1	1.0	26.1
d	<b>Total</b>	<b>6,743</b>	<b>192.2</b>	<b>1,30,242</b>			<b>1.0</b>	<b>114.9</b>			<b>115.8</b>	<b>4.6</b>	<b>120.5</b>
<b>6</b>	<b>Temporary supply - LT&amp;HT</b>												
7	Total LT	4,82,140	1,368.6	9,02,799			35.5	538.9			575.6	22.8	598.6
8	HT I Industrial	327	893.2	3,66,965	400.0	5.4	114.5	477.9			592.4	23.7	616.1
b	HT Commercial	99	91.0		400.0	5.5	14.7	50.0			64.7	2.6	67.3
9	HT II (HT Others)	66	72.0	36,910	450.0	6.5	13.7	46.8			60.5	2.4	62.9
10	HT III (EHT Industries)	7	405.4	1,33,280	450.0	5.1	38.8	206.8			245.6	9.8	255.4
11	Total HT	499.0	1,461.6	5,37,155			181.7	781.5			963.1	38.5	1,001.7
<b>12</b>	<b>Total</b>	<b>482,639</b>	<b>2,830.21</b>	<b>14,39,954</b>			<b>217.20</b>	<b>1,320.43</b>			<b>1,538.75</b>	<b>61.37</b>	<b>1,600.24</b>

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

**ELECTRICITY DEPARTMENT - Puducherry**  
**ANNUAL REVENUE REQUIREMENT**  
**REVENUE AT EXISTING TARIFF**  
**YEAR 2020-21 (Ensuing Year April 2020 to March 2021)**

Sr. No.	Category of Consumer	No of Consumers	Energy Sale (MUs)	Contracted Maximum Demand (KW/kVA)	Tariff rate			Revenue (Rs Crore)					
					FC	EC Rate	Demand Charges	Energy Charges	FPPCA Charges	Total Billing	4% Surcharge	Total	
1	2	3	4.00	5				6	7	8	9	10	11
<b>1</b>	<b>Domestic &amp; Cottage</b>												
a	0 - 100	1,42,492	377.64		40.00	1.50	6.84	56.65			63.49	2.54	66.03
b	101 - 200	1,06,203	223.45		40.00	2.50	5.10	55.86			60.96	2.44	63.40
c	201 - 300	56,729	118.03		40.00	4.35	2.72	51.34			54.06	2.16	56.23
d	>300	57,669	176.16		40.00	5.60	2.77	98.65			101.42	4.06	105.47
e	OHOB	8,808	7.39	2843	35.00	-	0.37				1.49		1.49
f	<b>Total</b>	<b>3,71,901</b>	<b>902.67</b>	<b>609809</b>			<b>17.80</b>	<b>262.50</b>			<b>281.42</b>	<b>11.20</b>	<b>292.62</b>
<b>2</b>	<b>Commercial</b>												
a	0 - 100	23,897	71.62		120.00	5.50	3.44	39.39			42.83	1.71	44.55
b	101 - 250	9,737	61.15		120.00	6.50	1.40	39.75			41.15	1.65	42.80
c	> 250	25,133	138.89		120.00	7.20	3.62	100.00			103.62	4.14	107.77
d	<b>Total</b>	<b>58,767</b>	<b>271.67</b>	<b>149522</b>			<b>8.46</b>	<b>179.15</b>			<b>187.61</b>	<b>7.50</b>	<b>195.11</b>
<b>3</b>	<b>Agriculture</b>												
a	Small farmers	960	8.47		10.00	-	0.07				0.07	0.00	0.08
b	Other farmers	6,069	52.28		45.00	-	2.90				2.90	0.12	3.02
c	<b>Total</b>	<b>7,029</b>	<b>60.75</b>	<b>44654</b>			<b>2.98</b>				<b>2.98</b>	<b>0.12</b>	<b>3.10</b>
4	Public lighting	51,153	24.48	6304	100.00	6.75	6.14	16.52			22.66	0.91	23.57
<b>5</b>	<b>LT Industrial and Water Tank</b>												
b	LT Industrial	6,636	162.60		120.00	5.80	0.96	94.31			95.26	3.81	99.07
c	Water tank	155	39.91		140.00	6.70	0.03	26.74			26.77	1.07	27.84
d	<b>Total</b>	<b>6,791</b>	<b>202.51</b>	<b>132812.0</b>			<b>0.98</b>	<b>121.05</b>			<b>122.03</b>	<b>4.88</b>	<b>126.91</b>
<b>6</b>	<b>Temporary supply - LT&amp;HT</b>												
7	Total LT	4,95,641	1473.20	9,43,101			36.36	590.06			627.54	25.04	652.58
8	HT 1 Industrial	330	915.50	3,78,964	400.00	5.35	114.54	489.79			604.34	24.17	628.51
9	HT 1- Commercial	99	93.01		400.00	5.50	14.65	51.15			65.81	2.63	68.44
9	HT II (HT Others)	66	73.84	40,601	450.00	6.50	13.65	47.99			61.64	2.47	64.11
10	HT III (EHT Industries)	7	415.53	1,39,931	450.00	5.10	38.81	211.92			250.73	10.03	260.75
11	Total HT	502	1497.87	559496			181.65	800.86			982.51	39.30	1021.81
12	<b>Total</b>	<b>496143</b>	<b>2971.07</b>	<b>1502597</b>			<b>218.01</b>	<b>1390.92</b>			<b>1610.05</b>	<b>64.34</b>	<b>1674.39</b>

  
**SUPERINTENDING ENGINEER**  
**-cum-HOD**  
**Electricity Department**  
**Puducherry**

**UNAUDITED FINANCIAL STATEMENTS FOR FY 2017-18**

<b>PUDUCHERRY ELECTRICITY DEPARTMENT</b>			
<b><u>BALANCE SHEET AS ON 31st March, 2018 (UNAUDITED)</u></b>			
<b>PARTICULARS</b>	<b>SCHEDULE No.</b>	<b>As at 31.03.2018</b>	<b>As at 31.03.2017</b>
<b>SOURCES OF FUNDS</b>			
<b>(1) Owner's Funds</b>			
Government Fund		13,702,666,550	13,144,494,850
<b>(2) Loan Funds</b>			
Secured Loans	1	-	29,916,771
Unsecured Loan from PFC for Part A of R-APDRP [Refer Note 5 of Part B of Notes to Accounts]		186,000,000	186,000,000
Unsecured Loan from PFC for Part B of R-APDRP [Refer Note 5 of Part B of Notes to Accounts]		218,940,351	165,000,000
Loan from DDUGJY [Refer Note 6 of Part B of Notes to Accounts]		-	12,031,308
Loan from SMARTGRID [Refer Note 7 of Part B of Notes to Accounts]		44,400,000	44,400,000
Loan from PSDF [Refer Note 8 of Part B of Notes to Accounts]		9,500,000	-
<b>TOTAL</b>		<b>14,161,506,901</b>	<b>13,581,842,930</b>
<b>APPLICATION OF FUNDS</b>			
<b>(1) Fixed Assets</b>			
(a) Gross Block	2	6,902,654,243	6,761,636,243
(b) Less : Acumulated Depreciation		3,805,758,640	3,532,724,223
(c) Net Block		3,096,895,603	3,228,912,020
(d) Capital Work in Progress		1,395,002,320	1,000,703,155
(e) Capital Advances		373,066,671	255,000,000
<b>(2) Current Assets Loans &amp; Advances</b>			
(a) Inventories		483,028,560	466,075,966
(b) Sundry Debtors	3	9,166,959,608	7,782,768,489
(c) Cash and Bank Balances	4	305,816,446	421,733,890
(d) Loans and Advances	5	164,555,838	155,394,803
		<b>10,120,360,452</b>	<b>8,825,973,149</b>
<b>Less: Current Liabilities and Provisions</b>	6	5,174,370,284	4,144,160,828
<b>NET CURRENT ASSETS</b>		<b>4,945,990,169</b>	<b>4,681,812,321</b>
<b>Profit &amp; Loss Account</b>		<b>4,350,552,140</b>	<b>4,415,415,434</b>
<b>TOTAL</b>		<b>14,161,506,901</b>	<b>13,581,842,930</b>
Significant Accounting Policies and Notes to Accounts	13		

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

PUDUCHERRY ELECTRICITY DEPARTMENT			
<u>PROFIT AND LOSS ACCOUNT FOR THE PERIOD ENDED 31st March 2018 (UNAUDITED)</u>			
PARTICULARS	SCH. No.	Year Ended 31st March, 2018	Year Ended 31st March, 2017
<b>INCOME</b>			
Revenue from Sale of Power [Refer Note 15]	7	13,119,795,904	11,925,415,008
Revenue from other services related to sale of power	8	268,320,596	209,180,607
Other Income	9	49,184,724	45,076,356
<b>TOTAL INCOME</b>		<b>13,437,301,223</b>	<b>12,179,671,971</b>
<b>EXPENDITURE</b>			
Purchase of Power [Includes an amount of <u>Rs. 4.62 Crores</u> for power purchased prior to 2017-18 but invoices received in 2017-18 explained in Notes (3) (c)]		11,764,693,686	10,663,011,487
Employee Costs	10	969,040,615	931,999,914
Repair & Maintenance Expenses		99,004,803	93,784,429
Administration and General Expenses	11	96,603,651	137,373,948
Other Expenses		18,830	571,091
Depreciation		273,034,417	248,078,797
Interest and Finance Charges	12	170,041,926	180,831,354
<b>TOTAL EXPENDITURE</b>		<b>13,372,437,929</b>	<b>12,255,651,019</b>
Net Profit / (Loss) before prior period adjustments		64,863,294	(75,979,048)
Net Prior Period Credits / (Charges)		-	-
<b>Profit / (Loss) before Extraordinary Items</b>		<b>64,863,294</b>	<b>(75,979,048)</b>
Less : Extraordinary Items		-	-
<b>Profit / (Loss) before Tax</b>		<b>64,863,294</b>	<b>(75,979,048)</b>
Less : Provision for Tax		-	-
<b>Profit / (Loss) After Tax</b>		<b>64,863,294</b>	<b>(75,979,048)</b>
Profit / (Loss) brought forward from previous year		(4,415,415,434)	(4,339,436,386)
Balance carried to Balance Sheet		(4,350,552,140)	(4,415,415,434)

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

Puducherry Electricity Department

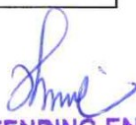
**CASH FLOW STATEMENT FOR THE YEAR ENDED March 31, 2018 (UNAUDITED)**

Particulars	As on 31-03-2018	As on 31-03-2017
<b>A. Cash flow from operating activities</b>		
<b>Net profit / (loss) before tax</b>	<b>64,863,294</b>	<b>(75,979,048)</b>
Adjustment for :		
Depreciation	273,034,417	248,078,797
Interest Income	(10,922,584)	(15,504,023)
Interest Expenses / Financial Charges	146,232,711	155,469,048
Prior period adjustment	-	-
<b>Operating profit / (loss) before working capital changes</b>	<b>473,207,838</b>	<b>312,064,774</b>
<b>Changes in Working Capital</b>		
(Increase) / Decrease in Inventories	(16,952,594)	(59,406,871)
(Increase) / Decrease in Debtors	(1,384,191,118)	(999,562,124)
(Increase) / Decrease in Loans & Advances	(9,161,035)	(3,214,386)
Increase / (Decrease) in Trade Payables & Provisions	1,030,209,456	(169,144,741)
<b>Cash generated from operations</b>	<b>93,112,546</b>	<b>(919,263,348)</b>
Less: Direct taxes paid		
- Income Tax	-	-
- Fringe Benefit Tax	-	-
- Wealth Tax	-	-
<b>Net cash from operating activities</b>	<b>93,112,546</b>	<b>(919,263,348)</b>
<b>B. Cash flow from investing activities</b>		
(Increase) / Decrease in Fixed Assets	(141,018,000)	(152,484,278)
(Increase) / Decrease in Capital WIP	(512,365,836)	(470,578,752)
Interest received	10,922,584	15,504,023
<b>Net cash from investing activities</b>	<b>(642,461,251)</b>	<b>(607,559,007)</b>
<b>C. Cash flow from financing activities</b>		
Increase in Government Fund	558,171,700	1,615,985,682
Increase in Long term loan from PFC	-	-
Increase in New Long term loan from PFC	53,940,351	165,000,000
Increase in Long term loan from DDUGJY	(12,031,308)	12,031,308
Increase in Long term loan from SMARTGRID	-	44,400,000
Increase in Long term loan from PSDF	9,500,000	-
Increase in Calamity relief fund	-	-
Repayment of finance lease	(29,916,771)	(16,700,132)
Interest and Finance Charges	(146,232,711)	(155,469,048)
<b>Net cash flow from financing activities</b>	<b>433,431,261</b>	<b>1,665,247,810</b>
Net increase/(decrease) in cash and cash equivalents (A+B+C)	(115,917,445)	138,425,455
Opening Balance of Cash and Cash Equivalents	421,733,890	283,308,435
<b>Closing Balance of Cash and Cash Equivalents</b>	<b>305,816,446</b>	<b>421,733,890</b>

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry



SCHEDULES FORMING PART OF THE UNAUDITED FINANCIAL STATEMENT		
SCHEDULE - 1 SECURED LOANS		
Sr. Particulars	As at 31.03.2018	As at 31.03.2017
1 Finance Lease Liability [Refer Note 4 of Part B of Notes to Accounts] (The lease is relating to the System Control Centre)	-	29,916,771
<b>TOTAL</b>	<b>-</b>	<b>29,916,771</b>
SCHEDULE - 3 SUNDRY DEBTORS		
Sr. Particulars	As at 31.03.2018	As at 31.03.2017
1 Sundry Debtors for Sale of Power [Refer Note 13 of Part B of Notes to Accounts]	7,849,607,421	7,029,954,889
2 UI Charges receivable	-	-
3 Receivable from Other Department for Sale of materials	1,213,193	1,213,193
4 Unbilled Debtors	1,316,138,994	751,600,407
<b>TOTAL</b>	<b>9,166,959,608</b>	<b>7,782,768,489</b>
SCHEDULE - 4 CASH & BANK BALANCES		
Sr. Particulars	As at 31.03.2018	As at 31.03.2017
1 Cash in hand	112,239	5,126
2 Cheques in hand	-	-
3 Margin money with Bank	140,168,036	131,660,593
4 Balance with SBI (RAPDRP)	122,017,558	233,637,496
5 Balance with SBI (DDUGJY)	-	12,031,308
6 Balance with SBI (SMARTGRID)	33,632,048	44,399,368
7 Balance with SBI (PSDF)	9,499,233	-
8 TDS Receivable	387,333	-
<b>TOTAL</b>	<b>305,816,446</b>	<b>421,733,890</b>

  
**SUPERINTENDING ENGINEER**  
**-cum-HOD**  
**Electricity Department**  
**Puducherry**

SCHEDULES FORMING PART OF THE UNAUDITED FINANCIAL STATEMENT		
SCHEDULE - 5 LOANS & ADVANCES		
Sr. Particulars	As at 31.03.2018	As at 31.03.2017
1 Other Income receivable	46,757	46,757
2 Lease advances	-	1,576,828
3 Advances to Creditors	18,958,266	19,734,499
4 Tariff Subsidy receivable	145,550,815	133,650,815
5 Prepaid Expenses	-	385,904
<b>TOTAL</b>	<b>164,555,838</b>	<b>155,394,803</b>

SCHEDULE - 6 CURRENT LIABILITIES & PROVISIONS		
Sr. Particulars	As at 31.03.2018	As at 31.03.2017
1 Consumer Deposits [Refer Note 10 of Part B of Notes to Accounts]	1,976,547,894	1,777,028,813
2 Consumer Contribution for Deposit Works	326,991,004	274,261,936
3 Sundry Creditors for power purchase	971,503,930	354,133,828
4 Interest Payable	742,071,583	624,705,126
5 Other Liabilities	7,793,669	5,523,411
6 Vendor/Contractor Deposits	26,965,922	18,320,629
7 Provision for Power Purchase	1,067,274,978	952,194,657
8 Provision for Other Expenses	54,485,706	101,553,170
9 Sales Tax Payable [Refer Note 11 of Part B of Notes to Accounts]	-	21,954,060
10 UI Charges Payable	735,598	14,485,198
<b>TOTAL</b>	<b>5,174,370,284</b>	<b>4,144,160,828</b>

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

SCHEDULES FORMING PART OF THE UNAUDITED FINANCIAL STATEMENT

SCHEDULE - 7  
REVENUE FROM SALE OF POWER

Sl. Particulars	Year ended 31st March 2018	Year ended 31st March 2017
1 LT Consumers	4,226,156,358	4,078,970,510
2 HT Consumers	8,232,140,654	7,795,432,760
3 Street Light Charges	219,143,190	208,818,000
4 Agriculture	28,623,427	19,451,990
5 Tariff Subsidy on Sale of Power	11,900,000	3,720,836
6 Surcharge	-	-
7 FPPCA charges	-	-
8 FPPCA charges (Relating to FY 13-14)	-	-
9 Less: Incentives to consumers (net of Penal charges)	162,706,312	169,868,146
	<b>12,555,257,317</b>	<b>11,936,525,950</b>
Add Un-billed revenue as at the end of the year [Refer Note 15 (a)]	1,316,138,994	751,600,407
Less Un-billed revenue as at the beginning of the year	751,600,407	762,711,350
<b>Revenue from Sale of Power</b>	<b>13,119,795,904</b>	<b>11,925,415,008</b>
	<b>13,119,795,904</b>	<b>11,925,415,008</b>

SCHEDULE - 8  
REVENUE FROM OTHER SERVICES RELATED TO SALE OF POWER


Sl. Particulars	Year ended 31st March 2018	Year ended 31st March 2017
1 Open Access Income	90,464,749	84,665,140
2 URS Income	17,102,204	19,900,000
3 UI Charges	138,831,419	103,209,271
4 RRAS Charges	21,922,224	1,406,196
<b>TOTAL</b>	<b>268,320,596</b>	<b>209,180,607</b>

SCHEDULE - 9  
OTHER INCOME

Sl. Particulars	Year ended 31st March 2018	Year ended 31st March 2017
1 Sale of Trading Materials	21,231	643,905
2 Interest Income on Margin Money Deposit with Bank	10,922,584	15,504,023
3 Other receipts	38,240,908	28,928,428
<b>TOTAL</b>	<b>49,184,724</b>	<b>45,076,356</b>

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

SCHEDULES FORMING PART OF THE UNAUDITED FINANCIAL STATEMENT		
SCHEDULE - 10 EMPLOYEE COSTS		
Sl. Particulars	Year ended 31st March 2018	Year ended 31st March 2017
1 Salary	1,111,736,000	1,056,064,700
2 Wages	7,756,000	6,468,070
3 Stipend	7,767,000	14,977,000
4 Overtime Payment	10,404,000	12,255,800
	<u>1,137,663,000</u>	<u>1,089,765,570</u>
Less Departmental Charges	4,904,385	8,574,956
Less Salary Costs Capitalized [Refer Note 18]	163,718,000	149,190,700
<b>TOTAL</b>	<u><u>969,040,615</u></u>	<u><u>931,999,914</u></u>
SCHEDULE - 11 ADMINISTRATION & GENERAL EXPENSES		
Sl. Particulars	Year ended 31st March 2018	Year ended 31st March 2017
1 Office Expenses	24,205,887	19,004,831
2 Other Miscellaneous Expenses	59,518,181	42,220,236
3 EESL charges	12,879,583	76,148,881
<b>TOTAL</b>	<u><u>96,603,651</u></u>	<u><u>137,373,948</u></u>
SCHEDULE - 12 INTEREST AND FINANCE CHARGES		
Sl. Particulars	Year ended 31st March 2018	Year ended 31st March 2017
1 Interest Charges	146,232,711	155,469,048
2 Bank Charges	23,809,215	25,362,307
<b>TOTAL</b>	<u><u>170,041,926</u></u>	<u><u>180,831,355</u></u>

  
**SUPERINTENDING ENGINEER**  
**-cum-HOD**  
**Electricity Department**  
**Puducherry**

SCHEDULE - 2

Fixed Assets Schedule - 2017-18

Assets group number	Assets group description	Amt. in Rs. Lakhs				Amt. in Rs. Lakhs				Amt. in Rs. Lakhs						
		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	Depreciations on additions during the period	Depreciation for the year	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
1	Land and land rights															
		699.80		699.80		699.80								699.80		699.80
	Sub Stations	35.00		35.00		35.00								35.00		35.00
	Other															
2	Buildings															
		1,236.62		1,236.62		1,236.62	2.18	39.30	41.48				568.05	668.67	(2.18)	710.05
	Sub Stations	500.74		500.74		500.74	15.08	15.00				206.62	214.11			229.21
	Other															
3	Plant and machinery															
		20,859.70		20,859.70		20,859.70	65.78	777.48	843.26				12,345.89	8,513.81	(65.78)	9,357.07
	Sub Stations	17,103.35		17,637.55		17,637.55	3.30	739.72	36.77			8,260.88	9,578.67	(3.30)	9,624.24	
	Transformers															
4	Lines and cable network															
		14497.45		15,172.31		15,172.31	(3.49)	544.83	578.98				7,577.77	7,584.54	3.49	7,498.66
	EHT & HT Lines	9187.38		9,187.38		9,187.38	5.1300	321.93	327.06			6,211.31	2,976.08	(5.13)	3,303.14	
	LT Lines															
5	Vehicles															
		188.94		188.94		188.94		0.83	0.83				170.66	18.28		19.11
	Sub Stations and Others															
6	Furniture and fixtures															
		15.18		15.18		15.18	-0.03	0.53	0.56				9.75	5.43	0.03	5.93
	Sub Station and Others															
7	Office equipment (Office equipment, telephones & Telephone lines, Radio and high frequency carrier system (VHF))															
		84.15		84.15		84.15	-0.01	1.06	1.05				72.11	12.04	0.01	13.08
	Sub Station and Others															
8	IT equipments (Computers etc.)															
		199.80		200.92		200.92		1.82	1.82				170.25	30.67		31.37
	Sub Station and Others															
9	Testing & Measuring Equipments															
		331.49		331.49		331.49	-0.04	6.33	6.29				265.19	66.30	0.04	72.59
	Sub Station and Others															
10	SCADA Centre															
		2,678.78		2,678.78		2,678.78	2.51	131.89	134.20				2,119.12	557.66	(2.51)	691.85
	Sub Station and Others															
	Total	67,616.36		1,410.18		69,026.54	35,327.25	75.32	2,580.62	74.40	2,730.34		36,057.59	30,968.95	(75.32)	32,289.11

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

**SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO ACCOUNTS FORMING PART OF  
THE FINANCIAL STATEMENTS FOR THE YEAR ENDED MARCH 31, 2018**

**(1) Background**


Puducherry Electricity Department (PED) 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. PED 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 PED 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 PED 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 PED 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 under accrual basis were first prepared by the PED for the financial year 2009-10 followed by 2010-11. 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 with 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.

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

PED continues to be a department of the Government of Puducherry and therefore need 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 time the PED 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 2017-18. These will continue to be done till such time the corporatization of the PED is carried out. At that point of time, the corporatized entity will migrate to maintain its basic books of accounts also on accrual basis.

## **(2) Basis of the Financial Statements**

The Department prepares its annual receipts and expenditure statement on 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 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 PED.

The annual accounts have been prepared under accrual basis and Financial Statements have been prepared taking the format as used by PED in the previous year. It may be noted



**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

that the PED 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 2017-18, the State Accounts were not published till the date of preparation of these accrual based financial statements of the PED. Hence, differences (if any) between the State Accounts and these accrual based financial statements will be considered as and when the State Accounts are available.

### **(3) Revenue Recognition**

Revenue from sale of power is accounted on accrual basis. The sale of power is as per the tariff fixed by 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 un-billed revenue of the previous year and current year on estimated basis. Revenue from sale of power is recognized net of sales tax/value added tax.

### **(4) Fixed Assets**

All Fixed Assets are stated at cost less accumulated depreciation. The cost of fixed assets includes cost incurred/money spent in acquiring or installing or constructing fixed asset, 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 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 and the same have been adopted by the department in calculating the depreciation on fixed assets.

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry



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

<b>Description of Assets</b>	<b>Rate of Depreciation</b>
Land and Land Rights	--
Building	3.34%
Plant and Machinery	5.28%
Lines and Cables	5.28%
Office Equipment	6.33%
IT Equipment	15.00%
Vehicles	9.50%
Furniture and Fixtures	6.33%

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.

#### **(6) Capital Work in Progress**

Materials issued to Capital Works in progress are valued at 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 cost (other than retirement benefits) are recognized on accrual basis. The retirement benefits other than Pension are recognized on 'Pay as You Go' basis. Pension

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

payment is 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 pending reconciliation of the sundry debtors is in progress. The management will decide on the policy for provisioning for bad and doubtful debts and accordingly give effect of the same in the accounts in the financial year in which the process of reconciliation is done. Looking to the huge amount of outstanding balances of sundry debtors/ receivables, management must take reconciliation exercise at the earliest.

**(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 PED 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. and Karnataka Power Transmission Corporation Limited. 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 in the financial year in which they are received by PED. Some of the invoices, revision invoices, debits notes and credit notes contain charges (or credit) pertaining to Power Purchased by the PED 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 have to be recovered from the PED or refunded to the PED.

**(12) Finance Lease**

Assets taken on finance lease are accounted for as fixed assets. Accordingly, the assets are accounted at the values certified by the developer. Lease payments are apportioned between finance charge and outstanding liability. Interest expense on the outstanding amount is recognized in the Profit and Loss account as period cost.

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

**(13) 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 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.

**(14) Estimation of Bank Charges**

Bank charges are accounted on payment basis.

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

## 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 of 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 31.03.2018 (Rs.)	Period of LC
KAIGA	68700000	10.10.2017 TO 09.10.2018
KKNPP	124000000	19.06.2017 TO 18.06.2018
NLC INDIA LTD	208300000	20.01.2018 TO 19.01.2019
NPCIL MAPS	9500000	12.10.2017 TO 11.10.2018
NTECL	71400000	07.11.2017 TO 06.11.2018
NTPC	416200000	03.01.2018 TO 02.01.2019
PGCIL	51400000	07.11.2017 TO 06.11.2018
<b>Total</b>	<b>949500000</b>	


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

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

(c) Contingent Liability Related to Power Purchase from Tamil Nadu Electricity Board (TNEB):

The dispute for power purchased before April 2009 and Late Payment Penalty charged by TNEB during 2011-12 is still unresolved and the matter is pending with the High Court. The estimated differential amounts, which would be outstanding as on the respective dates, if the revised tariff and penalty for late payment (as sought by the TNEB) is approved by the Hon'ble High Court are as follows

Statement showing Contingent Liability related to Power Purchased and Late Payment Penalty levied by TNEB	Rs. Crores	Rs. Crores
Contingent Liabilities as on 31.03.2018		220.22
Breakup: Contingent Liability related to Power Purchased	216.10	
<b>Contingent Liability related to Late Payment Penalty</b>	<b>4.12</b>	

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

(d) Contingent Liability relating to Power Purchase from TANGEDCO

TANGEDCO has raised a provisional arrear bill for CC Charges for energy supplied by TANGEDCO to PED from April 2014 till October 2017 as a result of Tariff Revision favoring NLC. As the amount could be subject to revision either way based on the outcome at APTEL on the subject, no provision has been made in the account of PED for the year 2016-17, as the amount is only provisional and consistent with the policy followed in the previous year. The amount will be taken in account 2017-18, the year in which the demand actually received.

(e) Contingent Liability relating to Surcharge levied by KPTCL & NLC

<b>Statement showing Contingent Liability related to Surcharge levied by Suppliers but not considered by PED for Payment</b>	Rs. Crores	Rs. Crores
Surcharge levied by KPTCL	0.02	
Surcharge levied by NLC TPS I Expn	0.17	
Contingent Liability as on 31.03.2018		0.19

(f) Contingent Liability relating to pending electrocution cases pending

A total of 9 cases pertaining to electrocution are currently pending decision in Local Court and High Courts respectively. The total amount claimed is Rs. 1.57 Crores as on 31st March, 2018.

### **(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 2017-18 which include charges/ credit pertaining to power purchased by the PED in prior financial years. These invoices were raised in the year 2017-18 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 PED.

(b) As per Notification No. 3019/ED/EE-SPM & Bldgs./JE/F.REA/2017-18 dated 02.11.2017 Assistant Engineer (Mahe) Electricity Department; Govt. of Pondicherry has transferred an amount of Rs. 3,08,53,986 to the Special Officer (Revenue) KESBL, PATTOM, KERALA on 31-10-21-7, towards the settlement of pending dues towards excess demand charges levied by KSEBL from January 1995 to December 2016 for exceeding the contract demand and the annual maintenance charges of 110KV tap line to Mahe sub-station and this amount is also included in power purchase cost.



**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

(c) The Power Suppliers from whom such invoices, revision invoices, debit and credit notes were received in 2017-18 are as follows:

<b>Value of Invoices/Debit Notes/Credit Notes received in Current Financial Year but pertain to Power Purchased by the PED in Prior Financial Years</b>	
<b>Power Supplier</b>	<b>Rs. Crores</b>
KAIGA	(0.02)
KKNPP	(0.10)
NTPC MAPS	0.01
NTECL	1.74
NLC TS 1 EX	(0.024)
NLC TS 2 EX	0.004
NLC TS 2	(0.07)
NTPC	4.02
KSEB	3.08
<b>TOTAL</b>	<b>4.62</b>

The above figure of Rs. 4.62 Crores has been shown as an explanatory note on the face of Profit & Loss Account below the heading of "Purchase of Power".

(4) In the financial year 2002 – 2003, the Department had entered into a finance lease with the Power Grid Corporation of India Ltd. (PGCIL) for development of System Control Centre. The total amount incurred for the development of the center is Rs. 24.36 Crores, of which Rs. 23.07 Crores has been covered under the finance lease. The liability towards the finance lease transaction has been shown as a Secured Loan in the Financial Statement. During the year Payment towards Finance Lease liability is Rs. 1.00 Crores. As per financial statements for FY 2016-17 total amount to be paid towards finance lease was Rs. 2.99 crores whereas EDP has paid only Rs. 1.00 Crores towards repayment of Principal and Interest on Finance Lease. EDP has not received any future demand after July 2017 from PGCIL towards repayment of Finance Lease. EDP is in view that finance lease has been repaid in full and will not receive any further demand from PGCIL, thus the outstanding balance of Rs. 2.11 Crores of finance lease adjusted with the interest expense head considering excess interest has been booked in earlier years.

(5) PED has received Rs. 18.60 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. Total tenure of the loan is 10 years (which includes a 3 years moratorium period).



**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

During the year PED has made provision of interest @ 11.50% (as per Terms & Conditions prescribed by PFC) on the amount of Rs. 18.6 Crores (as on opening of accounts), which comes to Rs. 2.14 Crores for 2017-18.

PED has received Rs. 6.61 Crores under Part B of the R-APDRP (Restructured Accelerated Power Development Reforms Project) scheme. The amount was received on 31st March 2018 and has not been utilized. The same has been shown in the accounts as Loan received from PFC for R-APDRP Part B. The amount received in FY 2016-17 of Rs. 16.50 Crores has been utilized during the year 2017-18.

(6) PED has received Rs. 1.20 Crores under the Deen Dayal Upadhyaya Gram Jothi Yojana (DDUGJY) scheme in FY 2016-17 for providing reliable and quality power supply to all villages and reduction of line losses. The amount was not utilized and refunded back in FY 2017-18.

(7) PED has received Rs. 4.40 Crore under the SMARTGRID Pilot Project from the Government of India, Ministry of Power. The amount was received on 27th January 2017, out of which Rs. 1.07 crores utilized during FY 2017-18.

(8) PED has received Rs. 0.95 Crore under the PSDF Scheme from the Government of India, Ministry of Power. The amount was received FY 2017-18 and has not been utilized.

(9) 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 PED. PED acts as the custodian of the shares. Hence, these shares are not considered as an investment of the PED.

(10) Consumers provide security deposits either in the form of cash or FDR or Bank Guarantee. From 12-13 onwards, as per JERC's direction PED 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, PED is required to pay / provide interest on the deposits taken from the consumers. Accordingly as per Tariff Order issued by JERC, PED has made provision for the interest of Rs. 12.67 Crores in the accounts during the year 2017-18. The department is in the process of reconciling the deposit account to ascertain the actual liability toward the security deposit and the further provision will be made once the liability is determined.

The Department has made an interest payment of Rs. 3.50 Crores during the year 2017-18 towards interest payable on deposits taken from consumers. The same has been accordingly adjusted from the figure of interest payable on consumer deposits.



SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

(11) Value Added Tax (sales tax) on sale of power became applicable to PED with effect from 7th November 2009. PED charges the tax on sale of power to the various consumers as per the provision of the relevant act and pays it to the commercial tax department accordingly. The PED recognizes the sales tax liability in the accounts on collection basis and pays to the commercial department within seven days of the next month. The amount which is collected from the consumers and not paid to the Commercial Tax department is shown as a Liability in the Balance Sheet. This approach to accounting for Value Added Tax has been taken on collection rather than on demand due to the constraints in the existing billing system in the Department. Once the issue is addressed, the Department shall modify its approach to accounting for VAT based on billing.

(12) As information provided by the management of EDP, department has taken registration under Goods and Service Tax Act in April 2018 while it was applicable from 01.07.2017. Thus no effect of GST has been provided in Annual Accounts.

(13) 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, 2018, the balance of Sundry Debtors in the Accounts is Rs. 784.96 Crores. According to the information available in the billing system of the Department, the amount of Sundry Debtors is Rs. 555.60 Crores. Hence there is an un-reconciled difference of Rs. 229.36 Crores as on 31.3.2018 between the arrears details available within the billing system of the department and balance as per the above method. Looking to the huge amount of outstanding balances of sundry debtors/ receivables, management must take reconciliation exercise at the earliest.

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

The closing balance of inventory is calculated based on the following formula: Opening Balance + Purchase for the Year – Inventory utilized during the Year. For the year ending 31st March, 2018, the balance of Inventory in the Accounts is Rs. 48.30 Crores. According to the information available from the Stores System in PED, the value of Inventory is Rs. 19.40 Crores. Hence there is an un-reconciled difference of Rs. 28.90 Crores as on 31.3.2018 between the Inventory figure in the details available within the Stores System of the department and balance as per the above method.

(15) Sale of Power:

(a) The sale of power for the year includes Rs. 131.61 Crores as Un-billed revenue (previous year Rs. 75.16 Crores) and same is debited in Un-Billed Debtors account in Balance Sheet. EDP has claimed subsidy from Government on domestic consumers having



SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry



consumption below 100 units per month. Incentive and penal charges are shown as reduction from income.

As a consequence of excess power available within the region of Puducherry, TNEB has been drawing power from the Electricity Department, Puducherry during the year 2017-18. The total power drawn is 18.59 MUs (previous year 16.15 MUs), and the equivalent amount to be recovered as Sale of Power is Rs. 7.57 Crores (previous year Rs. 5.60 Crores). (Read along-with Note 14 of Part B of Notes to Accounts). However, bills have not been raised for the same, and hence the amount is shown as Un-billed revenue (included in (a) above) in order to show a true and fair view of the revenue of PED. The Un-billed revenue shall be adjusted in the year 2018-19 if the bills will be raised.

(16) TNEB is continuously drawing power from the Electricity Department, Puducherry but EDP had not issued bills/ invoices to TNEB against such sale of power from FY 2013-14. It is informed that due to some issues on per unit rate billing was not done. The total power drawn from FY 2013-14 to FY 2017-18 is 105.63 MUs and the equivalent amount to be recovered as Sale of Power is Rs. 39.50 Crores (including Transmission Losses, Wheeling and Transmission charges). Hence sale of power includes Rs. 31.93 Crores which relates to prior period.

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

(a) Revenue from UI charges for the year 2017-18 is Rs. 13.88 Crores (previous year Rs. 10.32 Crores).

(b) PED earned income from open access charges amounting to Rs. 9.05 Crores.

(c) PED earned income from URS amounting to Rs. 1.71 Crores

(d) PED earned income from RRAS amounting to Rs. 2.19 Crores.

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

- Salary Expenses: Rs. 16.37 Crores (previous year Rs. 14.92 Crores)

(19) While computing interest due towards the Department towards Interest on Term Deposits, the bank erroneously deducted Rs. 1,429.00 as TDS on the interest due to the Department. Being an arm of the Government, the Department it is not liable for TDS. The same has been shown as TDS recoverable from the Income Tax authorities.



**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

(20) 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.

(21) During previous years, salary cost pertaining to capital works related to transmission for PED as identified by the Department has been capitalized. In continuation of this accounting policy in 2017-18, Salary cost amounting to Rs. 12.96 Crores has been capitalized by PED for the upcoming Karaikal sub-station & Thondamantham sub-station and for which major costs were undertaken in 2016-17 and 2017-18.

(22) Advance paid to PGCIL on 31st March 2018 for upcoming Karaikal sub-station & Thondamantham sub-station has been shown as Capital Advance.

(23) While the accounts prepared by PED is on 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 PED and the balance of PED in the accounts prepared by the Department of Treasury, Government of Puducherry are not reconciled.

(24) Internal Audit report

PED has appointed an Internal Auditor for the year 2017-18. The PED management is in the process of reviewing for the internal audit report of earlier period and responding to the audit observations and therefore no adjustments have been made to the accounts for the year 2017-18 for the audit observations pending review by the management.


(25) Stipend:

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

(26) Bank Accounts operated under DAT

PED DDO employees 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 on payment of salary and contractor payments to these Bank Accounts and DDO 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 have accordingly been disclosed here for information purposes.

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

The impact of 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 in the nature of a provision which shall be reversed on 1<sup>st</sup> April 2018.

PED 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 31<sup>st</sup> March are given below.

SL.	NAME OF SECTION	ACCOUNT NUMBER	TYPE OF ACCOUNTS	CLOSING BALANCE
1	EE/ URBAN O&M	30984215583	SB	4,42,415.00
2	EE/ CABLES AND TTC	30985567408	SB	1,23,363.75
3	EE/ SPM AND BUILDINGS	30959445288	CA	1,37,964.70
4	EE/ RURAL O&M NORTH	30987198787	SB	1,70,100.00
5	EE/ KKL	30859758747	SB	5,08,780.50
6	EE/ EHV	30948302503	CA	4,93,644.50
7	EE/ MRT AND MMC AND B&E	30502986703	SB	2,65,352.00
8	EE/ AUTO SS BASS	30977125936	CA	1,39,033.00
9	EE/ AUTO SS VLNR	30964498904	CA	36,135.50
10	EE/ RURAL O&M SOUTH	30967993813	CA	2,99,848.00
11	EE/ GENERAL	34584469746	CA	174.50
12	OSD	30954092530	CA	35636.50
13	SE/ MP&OR/FC/SE O&M	30437734089	SB	9,81,620.00
14	AE/MAHE	30938886997	SB	1,69,940.25
15	AE/YANAM	32185245589	SB	80,012.25
		<b>Total</b>		<b>38,84,020.45</b>



**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

**UNAUDITED FINANCIAL STATEMENTS FOR FY 2018-19**

**PUDUCHERRY ELECTRICITY DEPARTMENT**

**BALANCE SHEET AS ON 31st March, 2019 (UNAUDITED)**

<b>PARTICULARS</b>	<b>SCHEDULE No.</b>	<b>As at 31.03.2019</b>	<b>As at 31.03.2018</b>
<b>SOURCES OF FUNDS</b>			
<b>(1) Owner's Funds</b>			
Government Fund		13,458,672,176	13,702,666,550
<b>(2) Loan Funds</b>			
Secured Loans	1	-	-
Unsecured Loan from PFC for Part A of R-APDRP [Refer Note 4 of Part B of Notes to Accounts]		186,000,000	186,000,000
Unsecured Loan from PFC for Part B of R-APDRP [Refer Note 5 of Part B of Notes to Accounts]		310,540,903	218,940,351
Loan from DDUGJY [Refer Note 6 of Part B of Notes to Accounts]		12,031,000	-
Loan from SMARTGRID [Refer Note 7 of Part B of Notes to Accounts]		142,080,000	44,400,000
Loan from PSDF		9,500,000	9,500,000
Loan from IPDS [Refer Note 8 of Part B of Notes to Accounts]		39,200,000	-
<b>TOTAL</b>		<b>14,158,024,079</b>	<b>14,161,506,901</b>
<b>APPLICATION OF FUNDS</b>			
<b>(1) Fixed Assets</b>			
(a) Gross Block	2	7,995,111,615	6,902,654,243
(b) Less : Accumulated Depreciation		4,125,072,286	3,805,758,640
(c) Net Block		3,870,039,329	3,096,895,603
(d) Capital Work in Progress		1,070,270,522	1,395,002,320
(e) Capital Advances		114,205,024	373,066,671
<b>(2) Current Assets Loans &amp; Advances</b>			
(a) Inventories		439,199,087	483,028,560
(b) Sundry Debtors	3	10,162,639,851	9,166,959,608
(c) Cash and Bank Balances	4	387,433,268	305,816,446
(d) Loans and Advances	5	198,508,829	164,555,838
		<b>11,187,781,035</b>	<b>10,120,360,452</b>
<b>Less: Current Liabilities and Provisions</b>	6	6,793,503,942	5,174,370,284
<b>NET CURRENT ASSETS</b>		<b>4,394,277,093</b>	<b>4,945,990,169</b>
<b>Profit &amp; Loss Account</b>		<b>4,709,232,111</b>	<b>4,350,552,140</b>
<b>TOTAL</b>		<b>14,158,024,079</b>	<b>14,161,506,901</b>
Significant Accounting Policies and Notes to Accounts	13		


  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

PUDUCHERRY ELECTRICITY DEPARTMENT			
<u>PROFIT AND LOSS ACCOUNT FOR THE PERIOD ENDED 31st March 2019 (UNAUDITED)</u>			
PARTICULARS	SCH. No.	Year Ended 31st March, 2019	Year Ended 31st March, 2018
<b>I N C O M E</b>			
Revenue from Sale of Power [Refer Note 15]	7	14,431,788,790	13,119,795,904
Revenue from other services related to sale of power	8	41,680,865	268,320,596
Other Income	9	89,549,773	49,184,724
<b>TOTAL INCOME</b>		<b>14,563,019,428</b>	<b>13,437,301,223</b>
<b>EXPENDITURE</b>			
Purchase of Power [Includes an amount of Rs. -1.82 Crores for power purchased prior to 2016-17 but invoices received in 2016-17 explained in Notes (3) (c)]		13,123,471,766	11,764,693,686
Employee Costs	10	1,103,212,192	969,040,615
Repair & Maintenance Expenses		44,697,735	99,004,803
Administration and General Expenses	11	118,499,583	96,603,651
Other Expenses		88,096	18,830
Depreciation		319,313,646	273,034,417
Interest and Finance Charges	12	212,416,382	170,041,926
<b>TOTAL EXPENDITURE</b>		<b>14,921,699,400</b>	<b>13,372,437,929</b>
Net Profit / (Loss) before prior period adjustments		(358,679,972)	64,863,294
Net Prior Period Credits / (Charges)		-	-
<b>Profit / (Loss) before Extraordinary Items</b>		<b>(358,679,972)</b>	<b>64,863,294</b>
Less : Extraordinary Items		-	-
<b>Profit / (Loss) before Tax</b>		<b>(358,679,972)</b>	<b>64,863,294</b>
Less : Provision for Tax		-	-
<b>Profit / (Loss) After Tax</b>		<b>(358,679,972)</b>	<b>64,863,294</b>
Profit / (Loss) brought forward from previous year		(4,350,552,140)	(4,415,415,434)
Balance carried to Balance Sheet		(4,709,232,111)	(4,350,552,140)


  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

**Puducherry Electricity Department**  
**CASH FLOW STATEMENT FOR THE YEAR ENDED March 31, 2019 (UNAUDITED)**

Particulars	As on 31-03-2019	As on 31-03-2018
<b>A. Cash flow from operating activities</b>		
<b>Net profit / (loss) before tax</b>	<b>(358,679,972)</b>	<b>64,863,294</b>
Adjustment for :		
Depreciation	319,313,646	273,034,417
Interest Income	(11,734,782)	(10,922,584)
Interest Expenses / Financial Charges	178,905,811	146,232,711
Prior period adjustment	-	-
<b>Operating profit / (loss) before working capital changes</b>	<b>127,804,703</b>	<b>563,779,517</b>
<b>Changes in Working Capital</b>		
(Increase) / Decrease in Inventories	43,829,473	(16,952,594)
(Increase) / Decrease in Debtors	(995,680,243)	(1,384,191,118)
(Increase) / Decrease in Loans & Advances	(33,952,990)	(9,161,035)
Increase / (Decrease) in Trade Payables & Provisions	1,619,133,658	1,030,209,456
<b>Cash generated from operations</b>	<b>761,134,600</b>	<b>93,112,546</b>
Less: Direct taxes paid		
- Income Tax	-	-
- Fringe Benefit Tax	-	-
- Wealth Tax	-	-
<b>Net cash from operating activities</b>	<b>761,134,600</b>	<b>93,112,546</b>
<b>B. Cash flow from investing activities</b>		
(Increase) / Decrease in Fixed Assets	(1,092,457,372)	(141,018,000)
(Increase) / Decrease in Capital WIP	583,593,445	(512,365,836)
Interest received	11,734,782	10,922,584
<b>Net cash from investing activities</b>	<b>(497,129,145)</b>	<b>(642,461,251)</b>
<b>C. Cash flow from financing activities</b>		
Increase in Government Fund	(243,994,374)	558,171,700
Increase in Long term loan from PFC	-	-
Increase in New Long term loan from PFC	91,600,552	53,940,351
Increase in Long term loan from DDUGJY	12,031,000	(12,031,308)
Increase in Long term loan from SMARTGRID	97,680,000	-
Increase in Long term loan from PSDF	-	9,500,000
Increase in Long term loan from IPDS	39,200,000	-
Increase in Calamity relief fund	-	-
Repayment of finance lease	-	(29,916,771)
Interest and Finance Charges	(178,905,811)	(146,232,711)
<b>Net cash flow from financing activities</b>	<b>(182,388,633)</b>	<b>433,431,261</b>
Net increase/(decrease) in cash and cash equivalents (A+B+C)	81,616,822	(115,917,445)
Opening Balance of Cash and Cash Equivalents		
<b>Closing Balance of Cash and Cash Equivalents</b>	<b>305,816,446</b>	<b>421,733,890</b>

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

SCHEDULES FORMING PART OF THE UNAUDITED FINANCIAL STATEMENT		
SCHEDULE - 1 SECURED LOANS		
Sr./Particulars	As at 31.03.2019	As at 31.03.2018
1 Finance Lease Liability (The lease is relating to the System Control Centre)	-	-
<b>TOTAL</b>	<b>-</b>	<b>-</b>
SCHEDULE - 3 SUNDRY DEBTORS		
Sr./Particulars	As at 31.03.2019	As at 31.03.2018
1 Sundry Debtors for Sale of Power [Refer Note 13 of Part B of Notes to Accounts]	9,286,179,313	7,849,607,421
2 UI Charges receivable	-	-
3 Receivable from Other Department for Sale of materials	1,220,652	1,213,193
4 Unbilled Debtors	875,239,886	1,316,138,994
<b>TOTAL</b>	<b>10,162,639,851</b>	<b>9,166,959,608</b>
SCHEDULE - 4 CASH & BANK BALANCES		
Sr./Particulars	As at 31.03.2019	As at 31.03.2018
1 Cash in hand	9,859	112,239
2 Cheques in hand	-	-
3 Margin money with Bank	149,211,387	140,168,036
4 Balance with SBI (RAPDRP)	149,225,288	122,017,558
5 Balance with SBI (DDUGJY)	12,029,702	-
6 Balance with SBI (SMARTGRID)	53,279,352	33,632,048
7 Balance with SBI (PSDF)	7,126,484	9,499,233
8 Balance with SBI (IPDS)	16,163,864	-
9 TDS Receivable	387,333	387,333
<b>TOTAL</b>	<b>387,433,268</b>	<b>305,816,446</b>

  
**SUPERINTENDING ENGINEER**  
**-cum-HOD**  
**Electricity Department**  
**Puducherry**




SCHEDULES FORMING PART OF THE UNAUDITED FINANCIAL STATEMENT		
SCHEDULE - 5 LOANS & ADVANCES		
Sr./ Particulars	As at 31.03.2019	As at 31.03.2018
1 Other Income receivable	46,757	46,757
2 Lease advances	-	-
3 Advances to Creditors	17,111,256	18,958,266
4 Tariff Subsidy receivable	181,350,815	145,550,815
5 Prepaid Expenses	-	-
<b>TOTAL</b>	<b>198,508,829</b>	<b>164,555,838</b>
SCHEDULE - 6 CURRENT LIABILITIES & PROVISIONS		
Sr./ Particulars	As at 31.03.2019	As at 31.03.2018
1 Consumer Deposits [Refer Note 10 of Part B of Notes to Accounts]	2,183,637,389	1,976,547,894
2 Consumer Contribution for Deposit Works	381,100,549	326,991,004
3 Sundry Creditors for power purchase	1,987,137,775	971,503,930
4 Interest Payable	857,381,725	742,071,583
5 Other Liabilities	6,546,910	7,793,669
6 Vendor/Contractor Deposits	36,342,261	26,965,922
7 Provision for Power Purchase	1,305,909,235	1,067,274,978
8 Provision for Other Expenses	43,047,223	54,485,706
9 GST Payable/(Receivable) [Refer Note 12 of Part B of Notes to Accounts]	(8,334,723)	-
10 UI Charges Payable	735,598	735,598
<b>TOTAL</b>	<b>6,793,503,942</b>	<b>5,174,370,284</b>




**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

SCHEDULES FORMING PART OF THE UNAUDITED FINANCIAL STATEMENT		
SCHEDULE - 7 REVENUE FROM SALE OF POWER		
Sr.No. Particulars	Year ended 31st March 2019	Year ended 31st March 2018
1 LT Consumers	4,796,675,517	4,226,156,358
2 HT Consumers	9,546,406,695	8,232,140,654
3 Street Light Charges	256,768,313	219,143,190
4 Agriculture	28,455,655	28,623,427
5 Tariff Subsidy on Sale of Power	35,800,000	11,900,000
6 Surcharge	-	-
7 FPPCA charges	-	-
8 Export to Other Region	421,466,647	-
9 Less: Incentives to consumers (net of Penal charges)	211,563,746	162,706,312
10 Less: GST	1,321,182	-
	<u>14,872,687,899</u>	<u>12,645,828,996</u>
Add Un-billed revenue as at the end of the year [Refer Note 15 (a)]	875,239,885	1,316,138,994
Less Un-billed revenue as at the beginning of the year	1,316,138,994	751,600,407
<b>Revenue from Sale of Power</b>	<u><b>14,431,788,790</b></u>	<u><b>13,119,795,904</b></u>
	<u>14,431,788,790</u>	<u>13,119,795,904</u>
SCHEDULE - 8 REVENUE FROM OTHER SERVICES RELATED TO SALE OF POWER		
Sr.No. Particulars	Year ended 31st March 2019	Year ended 31st March 2018
1 Open Access Income	56,080	90,464,749
2 URS Income	7,972,527	17,102,204
3 UI Charges	16,586,576	138,831,419
4 RARS Charges	17,065,682	219,222,224
<b>TOTAL</b>	<u><b>41,680,865</b></u>	<u><b>268,320,596</b></u>
SCHEDULE - 9 OTHER INCOME		
Sr.No. Particulars	Year ended 31st March 2019	Year ended 31st March 2018
1 Sale of Trading Materials	99,328	21,231
2 Interest Income on Margin Money Deposit with Bank	11,734,782	10,922,584
3 Other receipts	77,715,663	38,240,908
<b>TOTAL</b>	<u><b>89,549,773</b></u>	<u><b>49,184,724</b></u>

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

SCHEDULES FORMING PART OF THE UNAUDITED FINANCIAL STATEMENT			
SCHEDULE - 10 EMPLOYEE COSTS			
Sr.No	Particulars	Year ended 31st March 2019	Year ended 31st March 2018
1	Salary	1,273,972,000	1,111,736,000
2	Wages	7,879,000	7,756,000
3	Stipend	5,472,000	7,767,000
4	Overtime Payment	803,000	10,404,000
		1,288,126,000	1,137,663,000
Less	Departmental Charges	5,432,048	4,904,385
Less	Salary Costs Capitalized [Refer Note 18]	179,481,760	163,718,000
	<b>TOTAL</b>	<b>1,103,212,192</b>	<b>969,040,615</b>
SCHEDULE - 11 ADMINISTRATION & GENERAL EXPENSES			
Sr.No	Particulars	Year ended 31st March 2019	Year ended 31st March 2018
1	Office Expenses	26,573,380	24,205,887
2	Other Miscellaneous Expenses	66,293,313	59,518,181
3	EESL charges	25,632,890	12,879,583
	<b>TOTAL</b>	<b>118,499,583</b>	<b>96,603,651</b>
SCHEDULE - 12 INTEREST AND FINANCE CHARGES			
Sr.No	Particulars	Year ended 31st March 2019	Year ended 31st March 2018
1	Interest Charges	178,905,811	146,232,711
2	Bank Charges	33,510,571	23,809,215
	<b>TOTAL</b>	<b>212,416,382</b>	<b>170,041,926</b>

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

SCHEDULE - 2

Fixed Assets Schedule - 2018-19

Assets group number	Assets group description	Gross Block					Depreciation					Net Block			
		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 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
1	Land and land rights														
	Sub Stations	699.80				699.80							699.80		699.80
	Other	35.00				35.00							35.00		35.00
2	Buildings														
	Sub Stations	1,236.62		8,632.90		1,236.62		568.05	39.30	39.30		607.35	629.27		668.57
	Other	500.74		879.31		500.74		266.82	14.90	14.90		301.53	199.21		214.11
3	Plant and machinery														
	Sub Stations	20,859.70		8,632.90		29,492.60		12,345.89	804.81	466.38	1,271.29	13,617.18	16,075.42		8,513.81
	Transformers	17,837.55		879.31		18,716.86		8,260.88	745.33	46.43	791.76	9,052.63	9,864.22		9,576.72
4	Lines and cable network														
	EHT & HT Lines	15172.31		1199.89		16,372.20		7577.77	560.95	63.35	624.30	8,202.07	8,170.13		7,594.54
	LT Lines	9167.38		0		9,167.38		6211.31	309.69	309.69		6,521.30	2,866.09		2,976.08
5	Vehicles														
	Sub Station and Others	188.94		-		188.94		170.66	0.62	0.62		171.28	17.66		18.28
6	Furniture and fixtures														
	Sub Station and Others	15.18				15.18		9.75	0.37	0.37		10.11	5.07		5.43
7	Office equipment (Office equipment, telephones & Telephone lines, Radio and high frequency carrier system (VHF))														
	Sub Station and Others	84.15				84.15		72.11	1.02	1.02		73.13	11.02		12.04
8	IT equipments (Computers etc.)														
	Sub Station and Others	200.92		12.47		213.39		170.25	3.47	0.22	3.70	173.95	39.44		30.67
9	Testing & Measuring Equipments														
	Sub Station and Others	331.48				331.48		265.19	5.61	5.61		270.80	60.69		66.30
10	SCADA Centre														
	Sub Station and Others	2,676.78				2,676.78		2,119.12	130.28	130.28		2,249.40	427.37		557.66
Total		69,026.54	-	10,924.57		79,951.11		38,057.59	2,616.75	576.38	3,193.14	41,250.73	38,700.39	-	30,969.00

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry

**SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO ACCOUNTS FORMING PART  
OF THE FINANCIAL STATEMENTS FOR THE YEAR ENDED MARCH 31, 2019**

**(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 under accrual basis were first prepared by the EDP for the financial year 2009-10 followed by 2010-11. 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 with 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 need 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 time the EDP is corporatized

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

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 2018-19. These will continue to be done till such time the corporatization of the EDP is carried out. At that point of time, the corporatized entity will migrate to maintain its basic books of accounts also on accrual basis.

## **(2) Basis of the Financial Statements**

The Department prepares its annual receipts and expenditure statement on 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 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 under 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.



**SUPERINTENDING ENGINEER**  
-cum-HOD

**Electricity Department**  
**Puducherry**

It may be noted that for the financial year 2018-19, the State Accounts were not published till the date of preparation of these accrual based financial statements of the EDP. Hence, differences (if any) between the State Accounts and these accrual based financial statements will be considered as and when the State Accounts are available.

### **(3) Revenue Recognition**

Revenue from sale of power is accounted on accrual basis. The sale of power is as per the tariff fixed by 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 un-billed revenue of the previous year and current year on estimated basis. Revenue from sale of power is recognized net of sales tax/value added tax.

### **(4) Fixed Assets**

All Fixed Assets are stated at cost less accumulated depreciation. The cost of fixed assets includes cost incurred/money spent in acquiring or installing or constructing fixed asset, 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 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 and the same have been adopted by the department in calculating the depreciation on fixed assets.



**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

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

Description of Assets	Rate of Depreciation
Land and Land Rights	--
Building	3.34%
Plant and Machinery	5.28%
Lines and Cables	5.28%
Office Equipment	6.33%
IT Equipment	15.00%
Vehicles	9.50%
Furniture and Fixtures	6.33%

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.

#### **(6) Capital Work in Progress**

Materials issued to Capital Works in progress are valued at 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 cost (other than retirement benefits) are recognized on accrual basis. The retirement benefits other than Pension are recognized on 'Pay as You Go' basis. Pension payment is managed by the Government so the department does not account for the same in the accounts.

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry



#### **(9) Provision for Bad and Doubtful debts**

No provision for bad and doubtful debts has been made in the accounts pending reconciliation of the sundry debtors is in progress. The management will decide on the policy for provisioning for bad and doubtful debts and accordingly give effect of the same in the accounts in the financial year in which the process of reconciliation is done. Looking to the huge amount of outstanding balances of sundry debtors/ receivables, management must take reconciliation exercise at the earliest.

#### **(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. and Karnataka Power Transmission Corporation Limited. 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 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 have to 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 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) Estimation of Bank Charges**

Bank charges are accounted on payment basis.

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

## 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 of 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 31.03.2019 (Rs.)	Period of LC
KAIGA	97525000	10.10.2018 TO 09.10.2019
KKNPP	132900000	19.06.2018 TO 18.06.2019
NLC INDIA LTD	237555510	20.01.2019 TO 19.01.2020
NPCIL MAPS	12100000	12.10.2018 TO 11.10.2019
NTECL	70900000	07.11.2018 TO 06.01.2020
NTPC	350200000	03.01.2019 TO 02.01.2020
PGCIL	51400000	07.11.2018 TO 06.11.2019
<b>Total</b>	<b>952580510</b>	

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

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

(c) Contingent Liability relating to Surcharge levied by KPTCL & NLC

Statement showing Contingent Liability related to Surcharge levied by Suppliers but not considered by EDP for Payment	Rs. Crores	Rs. Crores
Surcharge levied by KPTCL	0.02	
Surcharge levied by NLC TPS I Expn	0.17	
Contingent Liability as on 31.03.2019		0.19

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

(d) Contingent Liability relating to pending electrocution cases pending

A total of 08 cases pertaining to electrocution are currently pending decision in Local Court and High Courts respectively. The total amount claimed is Rs. 1.49 Crores as on 31st March, 2019.

**(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 2018-19 which include charges/ credit pertaining to power purchased by the EDP in prior financial years. These invoices were raised in the year 2018-19 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) There was dispute for power purchased before April 2009 and Late Payment Penalty charged by TNEB during 2011-12, the matter was under litigation and now resolved as per High Court order CMA NO. 1034 of 2003 and CMP NO. 7288 of 2003 dated 24.04.2018 (The Madras High Court). As per order, Electricity Department; Govt. of Pondicherry will have to pay Rs. 53.06 Crores to TNEB.

(C) The Power Suppliers from whom such invoices, revision invoices, debit and credit notes were received in 2018-19 are as follows:

<b>Value of Invoices/Debit Notes/Credit Notes received in Current Financial Year but pertain to Power Purchased by the EDP in Prior Financial Years</b>	
<b>Power Supplier</b>	<b>Rs. Crores</b>
KAIGA	(0.01)
NTPL	1.03
PGCL	(0.01)
KKNPP	(0.01)
NLC TS 1 EX	(0.04)
NLC TS 2 EX	(0.01)
NLC TS 2	(0.11)
NTPC	(2.66)
<b>TOTAL</b>	<b>(1.82)</b>

The above figure of Rs. 1.82 Crores, has been shown as an explanatory note on the face of Profit & Loss Account below the heading of "Purchase of Power".

  
**SUPERINTENDING ENGINEER**  
-cum-HOD  
Electricity Department  
Puducherry

(4) EDP has received Rs. 18.60 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. Total tenure of the loan is 10 years (which includes a 3 years moratorium period).

During the year EDP has made provision of interest @ 11.50% (as per Terms & Conditions prescribed by PFC) on the amount of Rs. 18.6 Crores (as on opening of accounts), which comes to Rs. 2.14 Crores for 2018-19.

(5) EDP has received Rs. 10.33 Crores under Part B of the R-APDRP (Restructured Accelerated Power Development Reforms Project) scheme. The amount was received during FY 2018-19. 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 under the Deen Dayal Upadhyaya Gram Jothi Yojana (DDUGJY) scheme in FY 2018-19 for providing reliable and quality power supply to all villages and reduction of line losses.

(7) EDP has received Rs. 9.77 Crore under the SMARTGRID Pilot Project from the Government of India, Ministry of Power. The amount was received respectively Rs. 4.44 Crore on 01st August 2018 and 5.32 Crore on 07th January 2019, out of which Rs. 7.80 Crores utilized during FY 2018-19.

(8) EDP has received Rs. 3.92 Crore under the IPDS Scheme from the Government of India, Ministry of Power. The amount was received during FY 2018-19 and Rs. 2.30 Crores has been utilized in FY 2018-19.

(9) 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.

(10) 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.



SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

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. 14.04 Crores in the accounts during the year 2018-19. The department is in the process of reconciling the deposit account to ascertain the actual liability toward the security deposit and the further provision will be made once the liability is determined.

**(11)** The Department has made an interest payment of Rs. 4.19 Crores during the year 2018-19 towards interest payable on deposits taken from consumers. The same has been accordingly adjusted from the figure of interest payable on consumer deposits.

**(12)** Goods and Service Tax Act came into force w.e.f. 01.07.2017 and EDP has obtained registration under Goods and Service Tax Act in April 2018. Total GST credit of Rs.97.96 Lakhs has been taken during the year 2018-19, out of which Rs. 0.73 Lakhs belongs to FY 2017-18. EDP has also paid GST of Rs. 40.23 Lakhs during FY 2018-19.

**(13)** 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, 2019, the balance of Sundry Debtors in the Financial Statements is Rs. 928.62 Crores which includes the debtors of Rs. 42.15 Crores (refer Note 16 of Part B), billed to TNEB in FY 2018-19. According to the billing system of the Department, the amount of Sundry Debtors is Rs. 646.18 Crores as on 31.03.2019. Hence sundry debtors of Rs. 240.29 Crores (928.62-42.15-646.18) are un-reconciled as on 31.3.2019.

**(14)** 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, 2019, the balance of Inventory in the financial statement is Rs. 43.92 Crores. As per Stores (maintained in computer system) of EDP, the value of Inventory is Rs. 18.34 Crores. Hence inventory of Rs. 25.58 Crores un-reconciled as on 31.3.2019.

**(15)** Sale of Power:

(a) The sale of power for the year includes Rs. 87.52 Crores as Un-billed revenue (previous year Rs. 131.61 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.

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

As a consequence of excess power available within the region of Puducherry, TNEB has been drawing power from the Electricity Department, Puducherry during the year 2018-19. The total power drawn is 9.41 MUs (previous year 18.59 MUs), and the equivalent amount to be recovered as Sale of Power is Rs. 3.45 Crores (previous year Rs. 7.57 Crores). (Read along-with Note 16 of Part B of Notes to Accounts).

**(16)** TNEB is continuously drawing power from the Electricity Department, Puducherry but EDP had not issued bills/ invoices to TNEB against such sale of power from FY 2013-14. Billing was not done due to conflict in respect of per unit rate. The total power drawn by TNEB from FY 2013-14 to FY 2017-18 was 105.63 MUs and the equivalent amount to be recovered for Sale of Power is Rs. 39.50 Crores (including Transmission Losses, Wheeling and Transmission charges). EDP has issued bills of Rs. 42.15 crore to TNEB in respect of power drawn by TNEB from FY 2013-14 to 31.01.2019 which is included in sale of power as Export to other Region.

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

(a) Revenue from UI charges for the year 2018-19 is Rs. 1.66 Crores (previous year Rs. 13.88 Crores).

(b) EDP earned income from open access charges amounting to Rs. 0.56 Lakhs.

(c) EDP earned income from URS amounting to Rs. 0.80 Crores

(d) EDP earned income from RRAS amounting to Rs. 1.71 Crores.


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

- Salary Expenses: Rs. 17.95 Crores (previous year Rs. 16.37 Crores)

**(19)** 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.

**(20)** During previous years, salary cost pertaining to capital works related to transmission work as identified by the Department has been capitalized. In continuation of this accounting policy in 2018-19, Salary cost of Rs. 14.57 Crores has been capitalized for the commissioned sub-stations at Karaikal and Thondamantham.

**(21)** Advance paid to different vendor as on 31st March 2019 for various schemes (i.e. Smartgrid, DDUGUY, PSDF, IPDS) shown as Capital Advance.

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry

(22) While the accounts prepared by EDP is on 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.

(23) Internal Audit report

EDP has appointed an Internal Auditor for the year 2018-19. Auditor has submitted reports for all 4 quarters of 2018-19. The EDP is in the process of review of internal audit reports of FY 2018-19 and earlier periods and will respond to the audit observations and therefore no adjustments have been made to the accounts for the year 2018-19 for the audit observations.

(24) Stipend:

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

(25) 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 have accordingly been disclosed here for information purposes.


The impact of 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 in the nature of a provision which shall be reversed on 1<sup>st</sup> April 2019.

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 31<sup>st</sup> March are given below.

SL.	NAME OF SECTION	ACCOUNT NUMBER	TYPE OF ACCOUNTS	CLOSING BALANCE (INR)
1	EE/ URBAN O&M	30984215583	SB	484,278.00
2	EE/ CABLES AND TTC	30985567408	SB	137,110.25
3	EE/ SPM AND BUILDINGS	30959445288	CA	204,221.70
4	EE/ RURAL O&M NORTH	30987198787	SB	264,098.00
5	EE/ KKL	30859758747	SB	446,111.50
6	EE/ EHV	30948302503	CA	510,397.50

  
SUPERINTENDING ENGINEER  
-cum-HOD  
Electricity Department  
Puducherry  
Page 193

7	EE/ MRT AND MMC AND B&E	30502986703	SB	858,042.50
8	EE/ AUTO SS BASS	30977125936	CA	8.00
9	EE/ AUTO SS VLNR	30964498904	CA	3,661.50
10	EE/ RURAL O&M SOUTH	30967993813	CA	44,103.00
11	EE/ GENERAL	34584469746	CA	47,292.00
12	OSD	30954092530	CA	919,208.50
13	SE/ MP&OR/FC/SE O&M	30437734089	SB	2,368,749.50
14	AE/MAHE	30938886997	SB	258,674.75
15	AE/YANAM	32185245589	SB	953.00
			<b>Total</b>	<b>6,546,909.70</b>

  
**SUPERINTENDING ENGINEER**  
 -cum-HOD  
 Electricity Department  
 Puducherry