

**7798/2022/Legal Section**

From

The Superintending Engineer,  
Electricity 'OP' Circle,  
UT., Chandigarh

To

The Secretary  
JERC for Goa and UTs,  
3rd and 4<sup>th</sup> Floor,  
Plot No. 55-56, Pathkind Lab Building,  
Sector -18, Udyog Vihar, Phase IV  
Gurgaon, (122015) Haryana


Fax No.0124-2342853

Memo No. SEE/OP/C1/2022/210/ 525  
Dated Chandigarh, the 30/3/22

**Subject:- Filing Petition for True-Up of FY 2020-21, Annual Performance Review of FY 2021-22 and Aggregate Revenue Requirement (ARR) for FY 2022-23 to FY 2024-25 and Tariff Proposal for FY 2022-23 of Electricity Wing of Engineering Department, Chandigarh.**

Enclosed please find herewith **Six Sets (06)** of Petition for True-Up of FY 2020-21, Annual Performance Review of FY 2021-22 and Aggregate Revenue Requirement (ARR) for FY 2022-23 to FY 2024-25 and Tariff Proposal for FY 2022-23 of Electricity Wing of Engineering Department, Chandigarh alongwith formats for information & consideration. The requisite Petition Fee has already been deposited to the Hon'ble JERC through PFMS please.

**DA/As Above**

  
Superintending Engineer,  
Electy. 'OP' Circle,  
UT, Chandigarh.



सत्यमेव जयते

# INDIA NON JUDICIAL Chandigarh Administration

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

FILE No.: \_\_\_\_\_

CASE No.: \_\_\_\_\_

IN THE MATTER OF:

Petition for True-Up of FY 2020-21, Annual Performance Review of FY 2021-22 and Aggregate Revenue Requirement (ARR) for FY 2022-23 to FY 2024-25 and Tariff Proposal for FY 2022-23 of Electricity Wing of Engineering Department, Chandigarh.

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AND

IN THE MATTER OF: Electricity Wing of Engineering Department, Chandigarh,  
Deluxe Building, Sector - 9D, Chandigarh, UT  
(**PETITIONER**).

**AFFIDAVIT VERIFYING THE PETITION**

I, Anil Dhamija son of Sh. G.L. Dhamija, aged 56 years do hereby solemnly affirm and state as follows: -

1. That the deponent is the Superintending Engineer of Electricity Wing of Engineering Department, Chandigarh and is authorized to sign and submit the said petition, and is acquainted with the facts deposed to below.
2. I, on behalf of Electricity Wing of Engineering Department, Chandigarh, hereby verify that the contents of the accompanying the **Petition for True-Up of FY 2020-21, Annual Performance Review of FY 2021-22 and Aggregate Revenue Requirement (ARR) for FY 2022-23 to FY 2024-25 and Tariff Proposal for FY 2022-23 of Electricity Wing of Engineering Department, Chandigarh** are based on the records of the Electricity Wing of Engineering Department, Chandigarh maintained in the ordinary course of business and believed to be true and no part of it is false and no material has been concealed therein.

**Details of enclosure:**

- a) Petition for True-Up of FY 2020-21, Annual Performance Review of FY 2021-22 and Aggregate Revenue Requirement (ARR) for FY 2022-23 to FY 2024-25 and Tariff Proposal for FY 2022-23 of Electricity Wing of Engineering Department, Chandigarh.

**Place: Chandigarh.**

**Dated: 30<sup>th</sup> March, 2022.**

*A. Dhamija*  
DEPONENT

**VERIFICATION**

I, the above named deponent, do hereby verify on this day 30<sup>th</sup> day of March, 2022 at Chandigarh and state that the contents of the foregoing submission are true and correct as per record. Nothing stated therein is false and nothing material has been concealed

**Place: Chandigarh.**

**Dated: 30<sup>th</sup> March, 2022.**

*A. Dhamija*  
DEPONENT



ATTESTED AND IDENTIFIED

*Suresh Kumar*  
SURESH KUMAR  
EXECUTIVE MAGISTRATE  
U.T. CHANDIGARH



PETITION FOR TRUE-UP OF FY 2020-21, ANNUAL PERFORMANCE REVIEW OF FY 2021-22 AND AGGREGATE REVENUE REQUIREMENT (ARR) FOR FY 2022-23 to FY 2024-25 & TARIFF PROPOSAL FOR FY 2022-23 OF ELECTRICITY WING OF ENGINEERING DEPARTMENT, CHANDIGARH

Submitted to Joint Electricity Regulatory Commission, Gurugram, Haryana

On March 30<sup>th</sup>, 2022

**BY**

**ELECTRICITY WING OF ENGINEERING DEPARTMENT, CHANDIGARH**

**7798/2022/Legal Section**

Electricity Wing of Engineering Department,  
Chandigarh

True-Up for FY 2020-21, APR for FY 2021-22, ARR for FY 2022-23 to  
FY 2024-25 and Tariff Proposal for FY 2022-23

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

Filing No:

Case No:

IN THE MATTER OF:

Petition for True-Up of FY 2020-21, Annual Performance Review of FY 2021-22 and Aggregate Revenue Requirement (ARR) for FY 2022-23 to FY 2024-25 and Tariff Proposal for FY 2022-23 of Electricity Wing of Engineering Department, Chandigarh

AND IN THE MATTER OF:

Electricity Wing of Engineering Department, Chandigarh  
Deluxe Building, Sector - 9D  
Chandigarh - UT

**PETITIONER**

PETITION UNDER SECTIONS 45, 46, 61, 62 AND 64 OF THE ELECTRICITY ACT, 2003 FOR DECIDING ON THE MATTERS CONCERNING THE APPROVAL OF THE TRUE-UP FOR FY 2020-21, ANNUAL PERFORMANCE REVIEW FOR FY 2021-22, TARIFF PETITION FOR FY 2022-23 TO FY 2024-25 AND TARIFF PROPOSAL FOR FY 2022-23 OF ELECTRICITY WING OF ENGINEERING DEPARTMENT, CHANDIGARH

The applicant respectfully submits hereunder:

- 1) The Petitioner, the Electricity Wing of Engineering Department, Chandigarh (EWEDC) has been allowed to function as an integrated Distribution licensee for the license area of Chandigarh UT.
- 2) Pursuant to the enactment of the Electricity Act, 2003, EWEDC is required to submit its Annual Revenue Requirement (ARR) and Tariff Petition as per the procedures outlined in section 61, 62 & 64 of EA 2003, and the governing regulations thereof.
- 3) EWEDC submits its Petition for determination of Annual Revenue Requirement for FY 2022-23 to FY 2023-24 and Tariff Proposal for FY 2022-23 on the basis of the principles outlined in the MYT Regulations, 2021 notified by the Hon'ble Commission.
- 4) EWEDC is submitting the True-up for the FY 2020-21 based on the audited accounts prepared on commercial accounting principle and duly vetted by the Asst. Controller (Finance and accounts), Electricity Department. The same has already been submitted to AG UT.
- 5) EWEDC along with this petition is submitting the statutory formats with additional/ supplementary data & information available and shall further make available the same to the extent available with EWEDC as may be required by the Hon'ble Commission during its processing.

**7798/2022/Legal Section**

Electricity Wing of Engineering Department,  
Chandigarh

True-Up for FY 2020-21, APR for FY 2021-22, ARR for FY 2022-23 to  
FY 2024-25 and Tariff Proposal for FY 2022-23

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**Prayers to the Commission**

EWEDC respectfully prays that the Hon'ble Commission may

- 1) Admit this Petition filed by EWEDC.
- 2) Examine the proposal submitted by the Petitioner for a favourable dispensation as detailed in the enclosed proposal;
- 3) Consider the submissions and allow the True-Up for FY 2020-21, Annual Performance Review for FY 2021-22 and approve Aggregate Revenue Requirement for FY 2022-23 to FY 2024-25 and Retail Tariff for FY 2022-23;
- 4) Approve the revenue gap/surplus and appropriate tariff increase as detailed in the enclosed proposal;
- 5) Approve the terms and conditions of Tariff Schedule as proposed;
- 6) Condone any inadvertent omissions/ errors/ shortcomings and permit EWEDC to add/ change/ modify/ alter this filing and make further submissions as may be required at a future date;
- 7) Pass such orders as the Hon'ble Commission may deem fit and proper, keeping in view the facts and circumstances of the case;

Electricity Wing of Engineering Department, Chandigarh

  
Petitioner

Place: Chandigarh

Date: 30.03.2022

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## List of Abbreviations

<b>Abbreviation</b>	<b>Full Form</b>
A&G	Administrative and General
ACoS	Average Cost of Supply
Act	The Electricity Act, 2003
APR	Annual Performance Review
ARR	Aggregate Revenue Requirement
ATE	Appellate Tribunal of Electricity
BPL	Below Poverty Line
CAGR	Compound Annualized Growth rate
Capex	Capital Expenditure
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CGRF	Consumer Grievance Redressal Forum
CGS	Central Generating Stations
COD	Commercial Operation Date
Cr	Crores
Discom	Distribution Company
EWEDC	Electricity Wing of Engineering Department, Chandigarh
DSM	Deviation Settlement Mechanism
EHT	Extra High Tension
ERP	Enterprise Resource Planning
FPPCA	Fuel and Power Purchase Cost Adjustment
FY	Financial Year
GFA	Gross Fixed Assets
HT	High Tension
IEX	Indian Energy Exchange Limited
IPP	Independent Power Producer
ISTS	Inter State Transmission System
JERC	Joint Electricity Regulatory Commission for the state of Goa and Union Territories
LT	Low Tension
MU	Million Units
MYT	Multi Year Tariff
NFA	Net Fixed Assets
NTPC	National Thermal Power Corporation
O&M	Operation and Maintenance
PGCIL	Power Grid Corporation of India Limited
PLF	Plant Load Factor
PLR	Prime Lending Rate
POSOCO	Power System Operation Corporation Limited

<b>Abbreviation</b>	<b>Full Form</b>
PPA	Power Purchase Agreement
R&M	Repair and Maintenance
REC	Renewable Energy Certificate
RLDC	Regional Load Despatch Centre
RoE	Return on Equity
RPO	Renewable Purchase Obligation
SBI MCLR	SBI Marginal Cost Lending Rate
SBI PLR	SBI Prime Lending Rate
SERC	State Electricity Regulatory Commission
SLDC	State Load Despatch Centre
SOP	Standard of Performance
T&D Loss	Transmission & Distribution Loss
UI	Unscheduled Interchange
UT	Union Territory

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## **Chapter 1: Introduction and Background**

### **1.1 Introduction - Electricity Wing of Engineering Department, Chandigarh**

1.1.1 Union Territory of Chandigarh came into existence with effect from 1st November, 1966 after re-organization of erstwhile state of Punjab. An early entrant to the planning process, Chandigarh has emerged as one of the most developed Union Territories in India and even achieved the ranking of one of the best UTs in India with regards to investment environment, infrastructure and tourism. The total population of the Union Territory is around 10.55 Lakhs as per 2011 Census.

1.1.2 The Local Distribution of electricity in Chandigarh was taken over by the Chandigarh Administration from the PSEB on 2nd May, 1967. The Electricity Wing of Engineering Department, Chandigarh is part of Chandigarh Administration, UT of Chandigarh and is responsible for Transmission and Distribution of power supply up to consumers' door-step. The electricity department of Chandigarh is responsible for ensuing quality and continuous power supply to each and every resident of Chandigarh. The Electricity Operation Circle is headed by Superintending Engineer along with five Executive Engineers.

1.1.3 The Electricity Wing of Engineering Department, Chandigarh of UT Administration of Chandigarh, hereinafter called "EWEDC", a deemed licensee under section 14 of the Electricity Act 2003, is carrying out the business of transmission, distribution and retail supply of electricity in Chandigarh (UT). The Electricity Wing of Engineering Department, Chandigarh (EWEDC) has been allowed to function as an integrated distribution licensee of Union Territory of Chandigarh. The Electricity Wing of Engineering Department, Chandigarh doesn't have its own generation and procures power from its allocation from central generating stations NTPC, NHPC, NPCIL, BBMB, SJVNL and THDC. The

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remaining is met through short term purchase through bilateral transactions and power exchange.

1.1.4 All the sectors of Chandigarh are electrified and any desiring consumer can avail power supply by submitting requisition in the prescribed form to the appropriate office of the Department subject to fulfilment of the requisite conditions and payment of charges. EWEDC is under control of Administration of Union Territory of Chandigarh and the maintenance of the accounts or Income and expenditure statement was being done on "cash" basis i.e. single entry system. However as per the directives of Hon'ble Commission, EWEDC has converted to accounting system based on Accrual Basis i.e. double entry system. EWEDC has prepared the annual accounts on commercial principle for FY 2020-21 along with Fixed Asset Register as on 31.03.2021.

## **1.2 Regulatory Process**

1.2.1 EWEDC had filed its first petition for Annual Revenue Requirement and Determination of Tariff for the FY 2011-12 under section 62 of the Electricity Act, 2003 and under the JERC (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2009 to the Hon'ble Commission on 13<sup>th</sup> January, 2011. The Tariff Order was issued by the Hon'ble Commission on 16<sup>th</sup> July, 2011 and the new tariff was made effective from 1<sup>st</sup> April, 2011

1.2.2 EWEDC filed its second Petition for Tariff determination for FY 2012-13. In the Petition, EWEDC had requested for review of Tariff Order for FY 2011-12 based on the actual numbers for part year and projected ARR for FY 2012-13. The Hon'ble Commission processed the Petition and issued a Tariff Order for FY 2012-13 on 7<sup>th</sup> May, 2012 which included review for FY 2011-12. The tariff was made applicable from 1<sup>st</sup> May, 2012

1.2.3 On 7<sup>th</sup> February, 2013, the Petitioner filed its petition for approval of provisional true up of ARR for FY 2011-12, revised estimates of ARR for FY 2012-13 and approval of ARR and Tariff for the FY 2013-14. The Hon'ble Commission issued the Tariff Order on 15<sup>th</sup> April, 2013. However, the Hon'ble

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Commission had not conducted the provisional true-up of ARR of the FY 2011-12 as the audited accounts were not available during that time. The tariff was made applicable from 1<sup>st</sup> May, 2013.

1.2.4 The department subsequently filed its fourth petition for determination of Aggregate Revenue Requirement (ARR) & Retail Tariff for distribution and retail sale of electricity for FY 2014-15, Review of FY 2013-14 & Truing up of FY 2011-12 and FY 2012-13 on 20th January, 2014 according to principles outlined in the JERC Tariff Regulations, 2009. The Commission issued tariff order on 11th April, 2014.

### **1.3 Filing of Multi Year Tariff Petition and Annual Performance Review Petition**

1.3.1 Hon'ble Joint Electricity Regulatory Commission (JERC) for the State of Goa and Union Territories, in exercise of powers conferred by sub section (1) of section 181 and clauses (zd), (ze) and (zf) of sub section (2) of section 181, read with sections 61, 62, 83 and 86, of the Electricity Act 2003 (36 of 2003) and all other powers enabling it in this behalf, had issued the Multi Year Distribution Tariff Regulations, 2014, hereinafter referred to as "MYT Regulations, 2014".

1.3.2 As per the MYT Regulations, 2014, the Distribution Licensee were required to file a Business Plan for Control Period of three financial years from April 1, 2015 to March 31, 2018, which shall comprise but not be limited to detailed category-wise sales and demand projections, power procurement plan, capital investment plan, financing plan and physical targets before the Hon'ble Commission as part of the Tariff Filing before the beginning of the Control Period. However, the Control Period was postponed by a year and the revised Control Period was notified as April 1, 2016 to March 31, 2019.

1.3.3 Accordingly, the Electricity Wing of Engineering Department, Chandigarh had filed a revised Business Plan for the Control Period of FY 2016-17 to FY 2018-19 based on the available data for the FY 2014-15 and previous financial years

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against which the Hon'ble Commission issued an Order dated 28<sup>th</sup> December, 2015. In the Order for Business Plan, the Hon'ble Commission had directed EWEDC for submission of MYT Petition for the Control Period FY 2016-17 to FY 2018-19 within 30 days from issuance of the Order for Business Plan.

1.3.4 As per the directives of the Hon'ble Commission, EWEDC filed Tariff Petition for approval of Annual Revenue Requirement for MYT Control period of FY 2016-17 to FY 2018-19 and determination of retail tariff for the FY 2016-17 in accordance to the principles laid down under section 61, 62 and 64 of the Electricity Act 2003, JERC MYT Regulations, 2014, provisions of National Electricity Policy & National Tariff Policy, JERC (Conduct of Business) regulations 2009 and other relevant regulations. The Hon'ble Commission in its order dated 28<sup>th</sup> April, 2016 approved True-up of FY 2011-12 to FY 2014-15, carried out performance review of FY 2015-16 and had approved Annual Revenue Requirement for FY 2016-17 to FY 2018-19 and retail tariff for FY 2016-17.

1.3.5 As per the multi-year framework outlined in MYT Regulations, 2014, the licensee was required to file Annual Performance Review petition in the subsequent years of the Control Period along with True-up of previous year and Retail Tariff proposal for ensuing year. Accordingly, in line with the MYT Regulations, 2014, Electricity Wing of Engineering Department, Chandigarh had filed the petition comprising of True-up of the FY 2015-16, performance review of the FY 2016-17 and revised ARR and retail tariff proposal for the FY 2017-18. The Hon'ble Commission in its order dated 04<sup>th</sup> May, 2017 approved True-up of the FY 2015-16, carried out performance review of the FY 2016-17 and had approved revised ARR & retail tariff for FY 2017-18.

1.3.6 On 12<sup>th</sup> January, 2018, the Petitioner filed its petition for approval of True-up of the FY 2016-17, performance review of the FY 2017-18 and revised ARR and retail tariff proposal for the FY 2018-19. The Hon'ble Commission in its order dated 28<sup>th</sup> March, 2018 approved True-up of the FY 2016-17, carried out



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performance review of the FY 2017-18 and had approved revised ARR and retail tariff for the FY 2018-19.

- 1.3.7 The Hon'ble Commission notified Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2018 (hereinafter referred to as 'MYT Regulations, 2018') on 10th August 2018. These Regulations are applicable to all the generation companies, transmission and distribution licensees in the State of Goa and Union Territories including Chandigarh in the 2<sup>nd</sup> Control Period from FY 2019-20 to FY 2021-22.
- 1.3.8 As per the MYT Regulations, 2018, the Distribution Licensee was required to file a Business Plan for Control Period of three financial years from April 1, 2019 to March 31, 2022, which shall comprise but not be limited to detailed category-wise sales and demand projections, power procurement plan, capital investment plan, financing plan and physical targets before the Hon'ble Commission as part of the Tariff Filing before the beginning of the Control Period.
- 1.3.9 Accordingly, the Electricity Wing of Engineering Department, Chandigarh had filed a Business Plan for the Control Period of FY 2019-20 to FY 2021-22 on 29<sup>th</sup> August, 2018 based on the available data for the FY 2017-18 and previous financial years against which the Hon'ble Commission issued an Order dated 12<sup>th</sup> November, 2018.
- 1.3.10 EWEDC filed Tariff Petition for approval of True-up for the FY 2017-18, Annual Performance Review for the FY 2018-19 in accordance with the MYT Regulations, 2014 and Aggregate Revenue Requirement (ARR) for the 2<sup>nd</sup> control period of FY 2019-20 to FY 2021-22 & retail tariff proposal for the FY 2019-20 in accordance with the principles laid down under section 61, 62 and 64 of the Electricity Act 2003, JERC MYT Regulations, 2018, provisions of National Electricity Policy & National Tariff Policy, JERC (Conduct of Business) regulations 2009 and other relevant regulations. The Hon'ble Commission in its

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order dated 20<sup>th</sup> May, 2019 approved True-up of FY 2017-18, carried out performance review of FY 2018-19 and had approved Annual Revenue Requirement for FY 2019-20 to FY 2021-22 and retail tariff for FY 2019-20.

- 1.3.11 Electricity Wing of Engineering Department, Chandigarh filed the petition for approval of True-up for the FY 2018-19 in accordance with the MYT Regulations, 2014, Annual Performance Review for the FY 2019-20 and revised Aggregate Revenue Requirement (ARR) & retail tariff proposal for the FY 2020-21 in accordance with the MYT Regulations, 2018. The Hon'ble Commission vide Order dated 19<sup>th</sup> May 2020 has Trued Up the Tariff for FY 2018-19, carried out the performance review of FY 2019-20 and determined the Aggregate Revenue Requirement (ARR) & Retail Tariff for the FY 2020-21.
- 1.3.12 Further, Electricity Wing of Engineering Department, Chandigarh filed the petition for approval of True-up for the FY 2019-20, Annual Performance Review for the FY 2020-21 and revised Aggregate Revenue Requirement (ARR) & retail tariff proposal for the FY 2021-22 in accordance with the MYT Regulations, 2018. The Hon'ble Commission vide Order dated 30<sup>th</sup> March 2021 has Trued Up the Tariff for FY 2019-20, carried out the performance review of FY 2020-21 and determined the Aggregate Revenue Requirement (ARR) & Retail Tariff for the FY 2021-22.
- 1.3.13 Electricity Wing of Engineering Department, Chandigarh in the instant petition is now filing for approval of True-up for the FY 2020-21, Annual Performance Review for the FY 2021-22 in accordance with the MYT Regulations, 2018 and Aggregate Revenue Requirement (ARR) for the 3<sup>rd</sup> control period of FY 2022-23 to FY 2024-25 & retail tariff proposal for the FY 2022-23 in accordance with the principles laid down under section 61, 62 and 64 of the Electricity Act 2003, JERC MYT Regulations, 2021, provisions of National Electricity Policy & National Tariff Policy, JERC (Conduct of Business) regulations 2009 and other relevant regulations.

## Chapter 2: True up of FY 2020-21

- 2.1.1 The Hon'ble Commission in the MYT order dated 20<sup>th</sup> May, 2019 had approved the ARR for FY 2020-21.
- 2.1.2 The Revised ARR Tariff for the FY 2020-21 was approved by the Hon'ble Commission in the Tariff Order dated 19<sup>th</sup> May, 2020.
- 2.1.3 Further, Annual Performance Review of ARR for the FY 2020-21 was undertaken by the Hon'ble Commission in the Tariff Order dated 30<sup>th</sup> March, 2021. JERC MYT Regulations, 2018 requires that the True-up is to be done on the basis of the audited accounts for each year of the Control period.
- 2.1.4 The annual accounts for the FY 2020-21 have been prepared and accordingly, the truing-up for the FY 2020-21 has been prepared. Accordingly, the Hon'ble Commission is requested to kindly consider the same for truing-up of FY 2020-21.

## 2.2 Energy Sales for FY 2020-21

- 2.2.1 The total actual energy sales for FY 2020-21 is 1342.08 MU as against 1449.98 MU approved earlier by the Hon'ble Commission during the review of the FY 2020-21 vide its Tariff Order dated 30<sup>th</sup> March, 2021.
- 2.2.2 The tables below summarize the approved and actual energy sales for EWEDC for the FY 2020-21:

**Table 2-1: Approved and Actual Sales for FY 2020-21 (in MU)**

Sr. No.	Categories	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March 2021	Actual
1	Domestic - Total	640.05	738.37	689.74
2	Commercial - Total	474.63	374.44	331.17
3	Large Industrial Supply	121.59	120.14	109.11
4	Medium Industrial Supply	208.59	98.95	101.65

Sr. No.	Categories	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March 2021	Actual
5	Small Industrial Supply	32.93	16.21	16.26
6	Agriculture	1.54	1.28	1.36
7	Public Lighting	14.59	15.49	12.21
8	Bulk Supply	81.57	81.22	77.18
9	Temporary Supply	4.16	3.87	3.41
<b>Grand Total</b>		<b>1579.65</b>	<b>1449.97</b>	<b>1342.08</b>

2.2.3 The Petitioner would like to humbly submit that the actual sales in FY 2020-21 were substantially lower the projected sales mainly due to COVID 19 which has affected the sales commercial and industrial categories.

## 2.3 Power Purchase Quantum and Cost

2.3.1 EWEDC meets its requirement from allocations from central generating stations like NTPC, NHPC, NPCIL and other generating stations such as BBMB, SJVNL, THDC including bilateral agreement and banking arrangements. The allocation from CGS consists of a fixed share of allocation for a year, and the Govt. of India changes the variable share of allocation from the unallocated quota from time to time. Since, during the peak summer seasons the allocation of power from various sources is inadequate, therefore the EWEDC procures power from short-term sources i.e. power exchange.

2.3.2 The table below shows the summary of actual Power Purchase from various sources for the FY 2020-21 including Transmission Charges, UI charges and purchase from short term sources i.e. power exchange.

**Table 2-2: Power Purchase Quantum and Cost for FY 2020-21**

Sr. No.	Source	Cost Approved in T.O. dated 19th May, 2020 (Rs. Crore)	Quantum Approved in Review Petition T.O. dated 30th March, 2021 (MU)	Cost Approved in Review Petition T.O. dated 30th March, 2021 (Rs. Crore)	Actual Quantum (MU)	Actual Cost (Rs. Crore)
1	NTPC Stations	142.13	356.70	147.89	346.63	134.59
2	NHPC Stations	105.22	285.07	111.35	272.26	99.29
3	NPCIL	62.99	165.39	59.94	149.63	50.79
4	SJVNL	34.93	121.17	28.30	119.62	29.09
5	BBMB	131.67	665.34	148.32	686.61	158.17
6	THDC	75.59	172.86	77.66	175.12	68.41
7	MUNPL	12.76	15.75	14.18	25.16	15.14
8	CREST	7.47	8.10	6.37	7.38	5.70
9	Pvt. Solar	0.95	1.18	1.01		
10	Aravali Power Company Private Limited	33.78	20.70	16.47	15.87	14.61
11	Bilateral/Power Exchange	-12.29	-237.49	-50.29	-216.92	-46.02
12	UI Sale/Purchase	0.00	50.54	17.21	21.97	9.00
13	Non-Solar (SECI)	7.25	0.00	0.00	0.00	0.00
14	Pvt. Solar (Net)	0.00	0.00	0.10	0.00	0.00
15	REC (Solar & Non-Solar)	0.00	0.00	0.00	0.00	0.00
16	Others (PGCIL, Reactive Power, NRLDC)	63.26	0.00	74.19	0.00	71.13
<b>Grand Total</b>		<b>665.71</b>	<b>1598.66</b>	<b>652.70</b>	<b>1603.33</b>	<b>609.90</b>

2.3.3 As against the Commission approved total power purchase cost of Rs. 652.70 Crores for the FY 2020-21, EWEDC has incurred actual power purchase cost of Rs. 609.90 Crores. The petitioner requests the Hon'ble Commission to approve the total power purchase cost of Rs. 609.90 Crores against power purchase for the FY 2020-21.

2.3.4 The Hon'ble Commission had notified amendment to the JERC (Procurement of Renewable Energy) Regulations, 2010 on 22<sup>nd</sup> August, 2016. As per the amendment issued, the Petitioner has to purchase 14.10% of total energy purchase from renewable sources for the FY 2020-21 including 6.10% for Solar and 8.00% for Non-Solar.

2.3.5 Hon'ble Commission vide order dated 31<sup>st</sup> March 2021 has approved the shortfall of 1.70 MU in fulfilling the RPO target for FY 2019-20 during the Truing-Up exercise. Taking into account the backlog of RPO target of FY 2019-20, the RPO obligation for FY 2020-21 is 32.05 MU. EWEDC has been able to meet its RPO requirement for the FY 2020-21 (Solar) EWEDC has purchased energy from solar plants under gross metering and net metering, details of which are as below:

**Table 2-3: Effective Energy Sales (Excluding Hydro) for FY 2020-21**

Sr. No.	Particular	Formula	FY 2020-21
1	Energy Sales within UT (In MU)	a	1342.08
2	Hydro Power Purchase (In MU)	b	1300.40
3	Inter-State Loss (In Percentage)	c	3.95
4	Inter-State Loss (In MU)	$d=b*c$	51.37
5	Intra-State Loss (In Percentage)	e	13.81
6	Intra-State Loss (In MU)	$f=e*(b-d)$	172.49
7	Hydro Power Consumed (In MU)	$g=b-d-f$	1126.80
<b>8</b>	<b>Conventional Power Consumed (In MU)</b>	<b><math>h=a-g</math></b>	<b>215.29</b>

**Table 2-4: RPO Requirement (Solar and Non-Solar) for FY 2020-21**

Sr. No.	Particulars	RPO %	Target	Backlog of FY 2019-20	Actual
			Units (in MU)	Units (in MU)	Units (in MU)
1	Solar	6.10%	13.13		50.72
2	Non-Solar	8.00%	17.22	1.70	0.00
<b>Total</b>		<b>14.10%</b>	<b>30.36</b>	<b>1.70</b>	<b>50.72</b>

**Table 2-5: Sources of Solar Power Procurement against Solar RPO for FY 2020-21**

Particulars	2020-21 (in MU)
Power/procured from Gross Metering	16.22
Power procured from CREST	34.49
<b>Total Solar RPO Met</b>	<b>50.72</b>

**Table 2-6: Sources of Non-Solar Power Procurement against the Non-Solar RPO for FY 2020-21**

Particulars	2020-21 (in MU)
Non- Solar REC purchase	0.00
<b>Total Non-Solar RPO Met</b>	<b>0.00</b>

2.3.6 With regard to fulfilment of Non-Solar Obligation, EWEDC prays the Hon'ble Commission to kindly allow carrying forward the Total backlog of 18.92 MU to FY 2021-22 wherein EWEDC would be able to fulfil its Non-Solar RPO obligation owing to additional procurement of power from SECI's Wind Power source with minimum annual offtake of 151.48 MU from Wind.

## 2.4 Intra-State Transmission and Distribution (T&D) Loss

2.4.1 Considering actual sales of 1342.08 MU as above, the actual T&D loss works out to be 13.81% as against a loss level of 9.30% approved by the Hon'ble Commission for the FY 2020-21 vide Tariff Order dated 30th March, 2021. The computation of T&D loss for the FY 2020-21 is provided in the table below:

**Table 2-7: Energy Balance for FY 2020-21 (MU)**

Sr. No.	Item	FY 2020-21
		Total
<b>1</b>	<b>Net Energy Input Received/Required (Ex bus)</b>	<b>1,613.55</b>
	<b>Total Power Scheduled/ Purchased at Periphery</b>	
	<b>Central Sector Power Stations (HYDRO)</b>	<b>1,300.40</b>
	<b>Central Sector Power Stations (THERMAL/GAS/NUCLEAR)</b>	<b>490.51</b>
	<b>Short Term Purchase/Sale</b>	<b>-216.92</b>
	<i>IEX/PXIL Purchase</i>	<i>44.73</i>
	<i>IEX/PXIL Sale</i>	<i>261.65</i>
	<b>UI</b>	<b>21.95</b>
	<i>UI Purchase</i>	<i>70.07</i>
	<i>UI Sale</i>	<i>48.12</i>
	<b>Total</b>	<b>1,595.94</b>
<b>2</b>	<b>PGCIL Losses - MU</b>	<b>63.75</b>
	<b>PGCIL Losses - %</b>	<b>3.95%</b>
<b>3</b>	<b>Total Power Purchase availability after PGCIL Losses</b>	<b>1,549.80</b>
<b>4</b>	<b>Total Power Purchased within UT</b>	
	<i>Add: Net-Metering/Within State Solar</i>	<i>7.38</i>
	<b>Total</b>	<b>7.38</b>
<b>5</b>	<b>Power Purchase Received/Required at DISCOM Periphery</b>	<b>1,557.18</b>
	<i>Less: Retail Sales to Consumers</i>	<i>1,342.08</i>

Sr. No.	Item	FY 2020-21
		Total
	<i>Distribution Losses – MU</i>	215.09
<b>6</b>	<b>Distribution Losses - %</b>	<b>13.81%</b>

2.4.2 It is submitted that EWEDC was able to reduce the losses from 20.20% in the FY 2011-12 to 13.65% in the FY 2016-17. Further, EWEDC achieved T&D loss level of 9.51% for the FY 2017-18. The steep fall in T&D losses during FY 2017-18 was on account of the following factors:

- i. There has been increase in energy sale through UI/exchange from 36.76 MU in FY 2016-17 to 131.74 MU in FY 2017-18.
- ii. The excess energy sale was due to return of 48 MU towards banked units to J&K during the FY 2017-18 against energy received in the FY 2015-16 & FY 2016-17 and sale of excess power through UI/exchange during different intervals of time.

2.4.3 Further EWEDC time and again has submitted that same should not be considered as benchmark for fixing T&D Loss targets for future years and that the T&D loss levels achieved by EWEDC during upcoming years of the Control Period should be viewed in comparison to the T&D loss trajectory achieved over past 7-8 years to get a realistic and achievable T&D loss trend. Further, EWEDC had achieved T&D loss level of 13.50% and 11.91% for the FY 2018-19 and FY 2019-20 respectively. EWEDC re-iterates that it would be difficult to bring the losses substantially from this level.

2.4.4 The actual T&D loss level for FY 2020-21 is 13.81% as against the approved T&D loss levels of 9.30% approved vide Tariff order dated 30th March 2021. It is submitted that the actual losses in FY 2020-21 has increased due to change in consumption pattern wherein Domestic (LT) sales proportion to total sales has increased considerably to 61.75% in FY 2020-21 from 59.66% for FY 2019-20 and proportion of HT sales has reduced from 18.28% in FY 2019-20 to 14.32% in FY 2020-21. It is submitted that the consumption pattern was



greatly altered due to imposition of lockdown due to COVID-19 pandemic resulting in increase in T&D loss.

- 2.4.5 Accordingly, the Hon'ble Commission is requested to kindly consider the above submissions & approve the actual distribution losses to 13.81% for the FY 2020-21 as any disallowances would have a substantial financial impact on the EWEDC.

## 2.5 Operation and Maintenance Expenses

- 2.5.1 The summary of approved and actual Employee Expenses, R&M Expenses and A&G Expenses as incurred by the EWEDC in the FY 2020-21 is as below:

**Table 2-8: O&M Expenses for FY 2020-21 (in Rs. Crore)**

Sr. No.	O & M Expenses	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March, 2021	Actual
1	Employee Expenses	76.16	79.26	72.70
2	A & G Expenses	4.99	7.30	5.00
3	R & M Expenses	10.81	10.93	16.65
<b>Total O&amp;M Expenses</b>		<b>91.96</b>	<b>97.49</b>	<b>94.35</b>

- 2.5.2 It is submitted that though the total O&M expenses are well within the values approved by the Hon'ble Commission. Accordingly, the Petitioner requests the Hon'ble Commission to approve the O&M expenses on actual basis as the total O&M expenses of Rs. 94.35 Crores is lower than that approved for FY 2020-21.

## 2.6 GFA and Depreciation

- 2.6.1 It is submitted that EWEDC has prepared the Fixed Asset Register for the FY 2020-21 and has considered the GFA accordingly. Further, depreciation for the year has been considered as per the Fixed Asset Register.

2.6.2 The table below presents the approved and actual asset details for the FY 2020-21. The Hon'ble Commission is requested to approve the same:

**Table 2-9: Asset Addition during FY 2020-21 (in Rs. Crore)**

Particulars	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March, 2021	Actual
Asset Capitalization during FY 2020-21	86.08	5.15	18.08

2.6.3 EWEDC has worked out the depreciation for FY 2020-21 in Line with MYT Regulations, 2018. The closing value of Gross Block for FY 2019-20 of Rs. 457.77 Crore as approved by the Hon'ble Commission vide order dated 30th March 2021 has been considered as the opening Gross Block for FY 2020-21. Weighted average rate of Depreciation has been worked out taking into account asset class wise rates of depreciation as specified in Appendix-I of MYT Regulations, 2018. The table below presents the approved and actual depreciation for FY 2020-21:

**Table 2-10: Depreciation during FY 2020-21 (in Rs. Crore)**

Particulars	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March, 2021	Actual
Depreciation for the year	13.21	11.57	11.00

2.6.4 EWEDC humbly requests the Hon'ble Commission to approve the depreciation based on actuals as recorded in the accounts.

## 2.7 Interest on Loan

2.7.1 EWEDC has worked out Interest on Loan considering the closing normative Loan value of FY 2019-20 as approved in tariff order dated 30<sup>th</sup> March 2021 as the opening normative loan value for FY 2020-21. The addition in normative loan has been considered based on 70:30 debt-equity ratio in line with the Regulations notified by the Hon'ble Commission and asset capitalised during the year. Repayment of the loan to the extent of outstanding loan has been considered to be funded through depreciation for the year, similar to the

methodology considered by the Commission in APR for FY 2020-21. An interest rate of 8.75% as on April 1st, 2020 which is the SBI MCLR rate plus 100 basis points has been applied on the average normative debt in order to estimate the normative interest cost for the FY 2020-21. EWEDC would also like to submit that EWEDC was required to pay for Bank Charges of Rs. 1.35 Crore during FY 2020-21. These charges have been taken into account to work out the total Interest on Loan and Finance Charges.

2.7.2 The Hon'ble Commission is requested to approve the interest on normative loan as worked out in the table below:

**Table 2-11: Interest on Normative Loan during FY 2020-21 (in Rs. Crore)**

Particulars	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March, 2021	Actual
Opening Normative Loan	0.00	0.00	0.00
Add: Normative Loan during the year	60.25	3.60	12.66
Less: Normative Repayment	13.21	3.60	11.00
Closing Normative Loan	47.04	0.00	1.66
Average Normative Loan	23.52	0.00	0.83
Rate of Interest (@SBI MCLR + 100 Basis Point)	8.85%	8.75%	8.75%
Interest on Normative Loan	2.08	0.00	0.07
Bank Charges	0.00	0.00	1.35
<b>Interest on Normative Loan including Bank Charges</b>	<b>2.08</b>	<b>0.00</b>	<b>1.42</b>

## 2.8 Interest on Consumer Security Deposit

2.8.1 As per the provision of Tariff Regulations & in accordance with Clause 47(4) of Electricity Act 2003, the distribution licensee is required to pay interest on security deposit collected from the consumers, equivalent to the bank rate or more as may be specified by the Commission. The actual opening balance and addition in consumer security deposit for the FY 2020-21 and claim of interest on security deposit is given in the table below:

**Table 2-12: Interest on Consumer Security Deposit during FY 2020-21 (in Rs. Crore)**

Particulars	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March, 2021	Actual
Opening Consumer Security Deposit	205.85	195.72	195.72
Net Addition During the year	8.00	8.00	(5.62)
Closing Consumer Security Deposit	213.85	203.72	190.10
<b>Interest on Consumer Security Deposit</b>	<b>13.12</b>	<b>9.29</b>	<b>3.78</b>

## 2.9 Interest on Working Capital

2.9.1 As per clause 31 & 52 of JERC MYT Regulations, 2018 the working capital of a licensee shall consist of

- a. Receivable of two months of billing
- b. O&M Expenses of one month
- c. 40% of Repair & maintenance expenses for one month
- d. Less consumer security deposit but excluding Bank Guarantee

2.9.2 The SBI 1 Year MCLR as on 1st April, 2020 plus 200 basis point i.e. 9.75% is considered for computation of interest on working capital. The EWEDC requests the Hon'ble Commission to approve the revised working capital requirement and interest computed as per the regulations. The same is summarized in the table below:

**Table 2-13: Interest on Working Capital during FY 2020-21 (in Rs. Crore)**

Particulars	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March, 2021	Actual
Two months receivables	131.53	138.64	116.90
Add: One month O&M Expenses	7.66	8.12	7.86
Add: 40% of repair & maintenance expenses for one month	0.36	0.36	0.56
Less: Consumer Security Deposit excl. BG	209.85	199.72	190.10
<b>Total Working Capital after deduction of Consumer Security Deposit</b>	<b>-70.30</b>	<b>-52.60</b>	<b>-64.78</b>
SBI MCLR plus 200 Basis Point (%)	10.55%	9.75%	9.75%
<b>Interest on Working Capital</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 2.10 Return on Equity

2.10.1 Regulation 27 of MYT Regulations, 2018 provides the methodology for working out Return on Equity (RoE). EWEDC has considered the value of closing equity during FY 2019-20 at Rs. 131.38 Crore as approved by the Hon'ble Commission vide order dated 30<sup>th</sup> March 2021 as the opening Equity for FY 2020-21. 30% of proposed capitalisation for the FY 2020-21 has been considered as addition to the Opening equity for the year.

2.10.2 Return on Equity worked out is provided in the table as under:

**Table 2-14: Return on Equity during FY 2020-21 (in Rs. Crore)**

Particulars	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March, 2021	Actual
Opening Equity	131.31	131.38	131.38
Addition in Equity	25.82	1.55	5.42
Closing Equity	157.13	132.93	136.80
Average Equity	144.22	132.15	134.09
Average Equity (Wire Business)	129.80	118.94	120.68
Average Equity (Retail Supply Business)	14.42	13.22	13.41
Return on Equity for Wire Business (%)	15.50	15.50	15.50
Return on Equity for Retail Supply Business (%)	16.00	16.00	16.00
Return on Equity for Wire Business	20.12	18.44	18.71
Return on Equity for Retail Supply Business	2.31	2.11	2.15
<b>Return on Equity</b>	<b>22.43</b>	<b>20.55</b>	<b>20.85</b>

## 2.11 Provision for Bad and Doubtful Debt

2.11.1 Regulation 62.1 of MYT Tariff Regulation, 2018 provides as under:

*"62.1 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:"*

2.11.2 In view of the Regulation 62.1 as detailed out in above para, the Hon'ble Commission while truing up the ARR of FY 2019-20 had not considered any bad and doubtful debt during FY 2019-20 as the EWEDC had not written-off any bad debt during the year.

2.11.3 Accordingly, EWEDC is not claiming any expense under Provision for Bad and Doubtful Debt as EWEDC has not written-off any bad debt during FY 2020-21.

## 2.12 Non-Tariff Income

2.12.1 With regard to Non-Tariff Income earned during FY 2020-21, EWEDC would like to submit as under:

- EWEDC has received rebate of Rs. 5.55 Crore towards the Power Purchase during FY 2020-21. Furthermore, due to prevailing Covid-19 pandemic during FY 202-21, EWEDC has received the additional rebate of Rs. 69.61 Crore from various Power Generators against the Power Procurement Bills raised to EWEDC. The same has been booked under "Misc. Receipts" in the Annual Accounts of FY 2020-21. Accordingly, the same has been considered a part of Non-Tariff Income.
- EWEDC has also considered the amount of Rs. 3.53 Crore received on account of recovery of doubtful debt as a part of Non-Tariff Income during FY 2020-21.
- Further, in line with Regulation 34.2 of MYT Regulation, 2018, EWEDC has not considered Delay Payment Surcharge of Rs. 11.28 Crore recovered during FY 2020-21 as a part of Non-Tariff Income.

2.12.2 The table below presents the approved and actual Non-Tariff Income for the FY 2020-21:

**Table 2-15: Non-Tariff Income during FY 2020-21 (in Rs. Crore)**

Particulars	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March, 2021	Actual
Non-Tariff Income	19.33	17.77	78.69

## 2.13 Revenue on Current Tariff

2.13.1 The billed revenue on actual sales and prevailing tariff as approved by the Commission is given in the table below:

**Table 2-16: Revenue from Current Tariff during FY 2020-21 (in Rs. Crore)**

Particulars	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March, 2021	Actual
Domestic - LT	287.60	356.53	279.75
Domestic - HT	12.30	14.15	8.03
<b>Domestic - Total</b>	<b>299.90</b>	<b>370.68</b>	<b>287.78</b>
Commercial - LT	139.10	118.42	105.54
Commercial - HT	166.83	136.10	114.56
<b>Commercial - Total</b>	<b>305.93</b>	<b>254.52</b>	<b>220.10</b>
Large Supply	74.92	74.07	65.89
Medium Supply	113.65	60.70	63.86
Small Power	16.61	8.56	8.53
Agriculture	0.45	0.37	0.39
Public Lighting	8.41	8.84	7.52
Bulk Supply	50.06	49.79	44.59
Others Temporary Supply	3.36	3.13	2.72
<b>Total</b>	<b>873.29</b>	<b>830.66</b>	<b>701.38</b>

## 2.14 FPPCA Billed during the year

2.14.1 EWEDC has additionally billed a total of Rs. 0.65 Crores as FPPCA from the consumers during the FY 2020-21. Total FPPCA billed for the FY 2020-21 is given in the table below:

**Table 2-17: FPPCA billed during FY 2020-21 (in Rs. Crore)**

Particulars	Approved in Review Petition T.O. dated 30th March, 2021	Actual
FPPCA	1.15	0.65

## 2.15 Regulatory Surcharge Billed during the year

2.15.1 EWEDC has additionally billed a total of Rs. 0.02 Crores as Regulatory Surcharge from the consumers during the FY 2020-21. Total Regulatory Surcharge billed for the FY 2020-21 is given in the table below:

**Table 2-18: Regulatory Surcharge billed during FY 2020-21 (in Rs. Crore)**

Particulars	Approved in Review Petition T.O. dated 30th March, 2021	Actual
Regulatory Surcharge	0.00	0.01

## 2.16 Aggregate Revenue Requirement and Surplus for FY 2020-21

2.16.1 The Aggregate Revenue Requirement and surplus for the FY 2020-21 is as given in the table below:

**Table 2-19: Aggregate Revenue Requirement and Surplus during FY 2020-21 (in Rs. Crore)**

Sr. No.	Particulars	Approved in T.O. dated 19th May, 2020	Approved in Review Petition T.O. dated 30th March, 2021	Actual
1	Cost of power purchase	665.72	652.71	609.90
2	Employee costs	76.16	79.26	72.70
3	Administration and General expenses	4.99	7.3	5.00
4	R&M expenses	10.81	10.93	16.65
5	Depreciation	13.21	11.57	11.00
6	Interest and finance charges	2.08	0.00	1.42
7	Interest on working capital	0.00	0.00	0.00
8	Return on NFA /Equity	22.43	20.55	20.85
9	Provision for Bad Debt	0.00	0.00	0.00
10	Interest on Security Deposit	13.12	9.29	3.78
<b>11</b>	<b>Total Revenue Requirement</b>	<b>808.52</b>	<b>791.61</b>	<b>741.30</b>
12	Less: Non-Tariff Income	19.33	17.77	78.69
<b>13</b>	<b>Net Revenue Requirement</b>	<b>789.19</b>	<b>773.84</b>	<b>662.62</b>
14	Revenue from retail sales at Existing Tariff	873.29	830.69	701.38
15	FPPCA billed during the year	0.00	1.15	0.65
16	Regulatory Surcharge billed during the year	0.00	0.00	0.01
<b>17</b>	<b>Revenue Surplus/(Gap) for the Year</b>	<b>84.10</b>	<b>58.00</b>	<b>39.44</b>

2.16.2 Based on the actual ARR and Revenue for the FY 2020-21 as per the accounts, it is observed that there is a revenue surplus of Rs. 39.44 Crores. Therefore, EWEDC requests the Hon'ble Commission to approve the above revenue surplus of Rs. 39.44 Crores for FY 2020-21 as presented above and carry forward the same to the FY 2022-23. Annual Performance Review of ARR for FY 2021-22



## Chapter 3: Annual Performance Review of ARR for FY 2021-22

3.1.1 The Joint Electricity Regulatory Commission had notified the Multi Year Distribution Tariff Regulations, 2018 (MYT Regulations 2018). The Regulation applies to all the distribution licensees in the state of Goa and Union Territories except Delhi. These Regulations are applicable for the Control Period of FY 2019-20 to FY 2021-22.

3.1.2 EWEDC had filed a Business Plan for the period of FY 2019-20 to FY 2021-22 along with requisite details as provided in JERC (Multi-Year Tariff) Regulations, 2018. Subsequently, the Hon'ble Commission had issued an order on Business Plan on 12th November 2018. The Hon'ble Commission in the MYT Order dated 20th May 2019 had approved ARR for the Control Period of FY 2019-20 to FY 2021-22 as per the MYT Regulations, 2018. Hon'ble Commission vide order dated 19th May 2020 had carried out the True-Up for FY 2018-19, Annual Performance Review of FY 2019-20 and re-determined the ARR for FY 2020-21. Further, Hon'ble Commission vide order dated 30th March 2021 had Trued-Up the tariff for FY 2019-20, carried out the Annual Performance review for FY 2020-21 and re-determined the ARR for FY 2021-22.

3.1.3 The summary of ARR approved vide Order dated 20th May 2019 vis-à-vis the submissions made by the Petitioner during APR proceedings vis-à-vis the ARR approved vide Order dated 30th March 2021 is reproduced as under:

**Table 3-1: Aggregate Revenue Requirement and Surplus approved by Hon'ble Commission for FY 2021-22 (in Rs. Crore)**

Sr. No.	Particulars	Approved in T.O. dated 20th May, 2019	Actual Values Claimed by Petitioner	Approved in T.O. dated 30th March, 2021
1	Cost of power purchase	866.97	890.53	715.35
2	Employee costs	80.32	80.32	80.48
3	Administration and general expenses	5.21	6.06	7.69
4	R&M expenses	12.19	11.13	11.06
5	Depreciation	17.37	16.06	12.65
6	Interest and finance charges	8.27	0.69	1.10
7	Interest on working capital	0.00	0.00	0.00

Sr. No.	Particulars	Approved in T.O. dated 20th May, 2019	Actual Values Claimed by Petitioner	Approved in T.O. dated 30th March, 2021
8	Return on NFA /Equity	27.93	21.71	22.01
9	Provision for Bad Debt	0.00	9.50	0.00
10	Interest on Security Deposit	13.69	12.98	9.66
<b>11</b>	<b>Total Revenue Requirement</b>	<b>1031.94</b>	<b>1048.99</b>	<b>860.00</b>
12	Less: Non-Tariff Income	24.97	18.66	17.77
<b>13</b>	<b>Net Revenue Requirement</b>	<b>1006.97</b>	<b>965.34</b>	<b>842.23</b>

3.1.4 Regulation 11 of the MYT Regulations, 2018 states the following:

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

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

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

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

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

*e) Other relevant details, if any."*

3.1.5 The Petitioner is hereby filing annual performance review for the FY 2021-22 as per the MYT framework and request the Hon'ble Commission to consider the revision in parameters based on the provisional actual performance during the

1st half of the year and revised estimates for the 2nd half of the year taking into consideration the approved values for FY 2021-22 by the Hon'ble Commission vide its Tariff Order dated 30th March, 2021.

### 3.2 Energy Sales for FY 2021-22

3.2.1 With regard to the Projection of sales for FY 2021-22, the same has been considered as actual sales for the first half (H1) i.e., for April to September 2021 and the second half consumption has been equated to second half actual sales of FY 2019-20. The Petitioner would humbly like to submit that FY 2020-21 and FY 2021-22 being the years affected from Covid-19 pandemic, due to lockdown etc, the sales were reduced abnormally. hence, FY 2019-20 actual figures have been relied upon assuming the sales will reach the pre-pandemic levels in the second half of FY 2021-22. The approved and estimated sales for full year and actual sales for six months of FY 2021-22 is given in the table below:

**Table 3-2: Energy Sales Projections for FY 2021-22 (in MU)**

Sr. No.	Categories	Approved in T.O. dated 20th May, 2019	Approved in T.O. dated 30th March, 2021	Actual H1- FY 2021-22	Actual H-2 FY 2019-20	Total Estimated for FY 2021-22
1	Domestic - LT	848.06	815.21	321.86	358.58	680.04
2	Domestic - HT			10.55	11.81	22.36
<b>3</b>	<b>Domestic - Total</b>	<b>848.06</b>	<b>815.21</b>	<b>332.42</b>	<b>370.38</b>	<b>702.80</b>
4	Commercial - LT	550.43	494.56	91.34	105.45	196.79
5	Commercial - HT			113.94	103.53	217.47
<b>6</b>	<b>Commercial - Total</b>	<b>550.43</b>	<b>494.56</b>	<b>205.28</b>	<b>208.99</b>	<b>414.26</b>
7	Large Supply	119.85	126.49	48.46	60.35	108.81
8	Medium Supply	138.05	106.38	47.60	51.91	99.51
9	Small Power	20.52	18.43	8.03	8.25	16.28
10	Agriculture	1.55	1.47	0.57	0.64	1.21
11	Public Lighting	17.73	15.37	5.69	8.52	14.21
12	Bulk Supply	87.86	85.88	44.07	34.72	78.79
13	Others Temporary Supply	4.40	4.20	1.77	2.37	4.14
<b>Grand Total</b>		<b>1,788.45</b>	<b>1,667.99</b>	<b>693.88</b>	<b>746.13</b>	<b>1440.02</b>

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- 3.2.2 It is submitted that Chandigarh is land locked Union Territory in which there is no possibility of geographical expansion and very little possibility of increase in energy sales.
- 3.2.3 In Chandigarh there has been growth in consumers using power from their own generation from solar energy. It has also reduced the consumption from the EWEDC.
- 3.2.4 Further, EWEDC has already taken some energy efficiency programme. Energy efficiency brings a variety of benefits: reducing demand for energy imports, eliminating energy waste and lowering our costs on a household and economy-wide level.
- 3.2.5 Accordingly, it is requested that the Hon'ble Commission may kindly revise the estimate of sales for FY 2021-22 to 1440.02 MU as proposed in the table above.

### **3.3 T&D Losses for FY 2021-22**

- 3.3.1 As per the Tariff Order dated 20th May 2019, the T&D loss as approved by the Commission for the FY 2021-22 is 9.20% as against EWEDC's submission of 12.85%. Further, vide order dated 30th March 2021, the Hon'ble Commission has approved the T&D Loss of 9.20% against the revised loss levels of 11.80% as submitted by the Petitioner. While EWEDC is dedicated towards reducing the intra-state T&D losses in the UT of Chandigarh, there are constraints in reducing the T&D loss.
- 3.3.2 In addition to the issue of higher LT sales, another important factor is the absence of interconnection point within the UT boundary which has been also submitted to the Hon'ble Commission in its past submissions.
- 3.3.3 The energy input in EWEDC is currently being metered at 400kV Nalagarh, 220kV Mohali and 220kV Dhoolkot (BBMB) which has resulted in higher T&D losses for EWEDC. The EWEDC has to bear around 3% additional losses of interstate circuit due to not having any interstate point in its boundary. In this

regard it is submitted that construction of a 220/66 kV substation at Hallo Majra is under progress by M/s PGCIL. The said Sub-station is expected to be operational in FY 2022-23 and shall cater to the future load growth of Chandigarh resulting in lower losses due to commissioning of an interconnection point within the UT periphery.

3.3.4 Further, as FY 2021-22 also witnessed lockdown, the sales have been subdued and LT sales being proportionality higher than pre-pandemic levels. Under the above special circumstances it would be very difficult for drastic loss reduction vis-à-vis actual T&D loss for FY 2020-21. In view of the above, it is proposed that the Hon'ble Commission approves revised T&D loss of 13.31% for FY 2021-22 considering 0.50% loss reduction over and above actuals of FY 2020-21.

### 3.4 Energy Requirement for FY 2021-22

3.4.1 For computation of energy requirement, EWEDC has estimated inter-state transmission losses for the FY 2021-22 of 4.03% same as approved by the Hon'ble Commission while carrying out the APR for FY 2021-22.

3.4.2 The revised energy balance for the FY 2021-22 is as given in the table below, the Hon'ble Commission is requested to approve the same:

**Table 3-3: Energy Balance for FY 2021-22**

Sr. No.	Particulars	FY 2021-22
		Estimated
<b>(A)</b>	<b>ENERGY REQUIREMENT</b>	
1	Energy sales to metered category within the State	1,440.02
2	Total sales within the State	1,440.02
3	Distribution Losses (MU)	221.15
4	Distribution Losses (%)	13.31%
5	Energy required at DISCOM Periphery	1,661.17
6	Intra-State Transmission Losses	-
9	<b>Total Energy Requirement at State Periphery</b>	<b>1,661.17</b>
<b>(B)</b>	<b>ENERGY AVAILABILITY</b>	
1	Availability from firm sources outside state	2,123.17
2	Availability from UI Over-draw/ Under-drawl	(69.94)
3	Net Purchase/(Sale) - Open Market	(337.99)

Sr. No.	Particulars	FY 2021-22
		Estimated
5	<b>Total Availability of Energy from outside the state</b>	1,715.24
6	<b>PGCIL Losses - MU</b>	69.43
7	<b>PGCIL Losses - %</b>	4.03%
8	<b>Total Availability of Energy at State Periphery from outside state after Interstate Losses</b>	1653.48
9	Availability from sources inside the state	7.68
10	<b>Total Availability of Energy for the State</b>	<b>1,661.17</b>

### 3.5 Power Purchase Quantum and Cost for FY 2021-22

3.5.1 The Petitioner submits that it procures power from following sources:

- Central Generating Stations (CGS) such as that of NTPC, NHPC and NPCIL
- Other Generating Stations such as that of SJVNL, BBMB, THDC, APCPL and MUNPL
- Other Sources such as bilateral agreement, banking arrangement, power exchange, State Solar.

3.5.2 For the purpose of review for the FY 2021-22 power purchase quantum, as laid out in the Business Plan, EWEDC has considered the power availability for FY 2021-22 from Central Generating Stations same as that it received during FY 2019-20. Further, EWEDC has considered additional procurement of power from SECI's Wind Power source with minimum annual offtake of 151.48 MU from 40 MW RTC Peak Power from Wind fulfilling energy requirements as well as Non-Solar RPO of the state. The projections from this source have been considered on the basis of provisional CUF of 35.98% as provided by SECI, which in turn works out to an yearly generation of 125.73 MU. Shortfall in power from allocations, if any, based on the estimated sales and losses for FY 2021-22 has been considered to procure from short term sources i.e. power exchange, UI & other trading sources.

3.5.3 For the purpose of working out the various components of power procurement cost i.e. Fixed Charges, Variable Charges and Other Charges, EWEDC has followed the following approach:

- Considered actual fixed charges paid in Q1 of FY 2021-22 and extrapolated them to arrive at the revised projections for FY 2021-22 for respective Central Generating Stations.
- Considered the actual per unit variable costs of FY 2021-22 Q1 and has calculated the revised projections for year FY 2021-22.
- Considered actual other charges paid in Q1 of FY 2021-22 and extrapolated them to arrive at the revised projections for FY 2021-22.

3.5.4 The details of the revised Power Purchase Quantum and Cost is as under:

**Table 3-4: Estimated Power Purchase Quantum and Cost for FY 2021-22**

Sr. No.	Source	Units Approved vide Order dated 30 <sup>th</sup> March 2021 (MU)	Cost Approved vide Order dated 30 <sup>th</sup> March 2021 (Rs. Crore)	Revised Estimate FY 2021-22 (MU)	Revised Estimated FY 2021-22 Cost (Rs. Crore)
1	NTPC Stations	346.52	151.68	368.01	149.15
2	NHPC Stations	296.32	116.38	343.34	114.02
3	NPCIL	176.40	67.23	203.95	68.29
4	SJVNL	118.06	28.84	138.42	38.89
5	BBMB	648.67	141.68	711.20	185.23
6	THDC	177.90	81.42	186.40	61.38
7	MUNPL	16.49	14.64	25.16	26.03
8	CREST	8.10	6.37	7.68	5.70
9	Pvt. Solar (Gross)	1.18	1.01	0.00	0.00
10	Pvt. Solar (Net)	0.33	0.10	0.00	0.00
11	Aravali Power Company Private Limited	38.75	23.59	20.96	22.44
12	Bilateral/Power Exchange	0.00	0.00	0.00	0.00
13	Short Term Purchase/ (Sale)	0.00	0.00	(337.99)	(119.31)
14	UI Purchase/ (Sale)	0.00	0.00	(69.94)	(12.47)
15	Non-Solar (SECI)	83.33	24.17	125.73	34.27
16	PTC	36.60	13.21	0.00	0.00
17	REC (Solar & Non-Solar)	0.00	0.00	0.0	0.00
18	Others (PGCIL, Reactive Power, NRLDC)	0.00	75.67	0.00	114.33
<b>Grand Total</b>		<b>1837.00</b>	<b>715.35</b>	<b>1722.92</b>	<b>674.83</b>

3.5.5 The Hon'ble Commission had notified amendment to the JERC (Procurement of Renewable Energy) Regulations, 2010 on 22nd August, 2016. As per the

amendment issued, the Petitioner has to purchase 17.00% of total energy purchase from renewable sources for the FY 2021-22 including 8.00% for Solar and 9.00% for Non-Solar.

3.5.6 EWEDC envisages that the present sources of power shall be enough to meet the RPO obligations. Further, based on the revised sales for FY 2021-22, applicable RPO and the RPO compliance during FY 2021-22 have been computed. Besides the purchase from solar plants under gross metering and net metering, EWEDC has also purchased the energy from Non-Solar sources which include SECI's Wind Power. In this regard, EWEDC submits that the total RPO obligation for FY 2021-22 stands at 69.30 MU (including Solar & Non-Solar). EWEDC further submits that the cumulative Backlog of Non-Solar RPO obligation of 18.92 MU of FY 2020-21 has been carried over and considered in FY 2021-22 in the total Non Solar RPO Obligation of 45.59 MU. EWEDC's Solar RPO obligation for FY 2021-22 is 23.71 MU. Further, EWEDC would humbly like to submit that as was the case in FY 2020-21, it is expected that by the Closing of FY 2021-22, EWEDC would be able to procure sufficient solar power from Gross Metering and Net Metering sources similar to FY 2020-21 levels and the entire Solar RPO obligation of FY 2021-22 would be fulfilled during the respective year itself. In view of the same, no RPO compliance backlog for FY 2021-22 has been projected and any additional cost towards fulfilling the RPO obligation has not been booked during FY 2021-22.

**Table 3-5: Effective Energy Sales (Excluding Hydro) during FY 2021-22**

Sr. No.	Particular	Formula	FY 2021-22
1	Energy Sales within UT (In MU)	a	1440.02
2	Hydro Power Purchase (In MU)	b	1374.74
3	Inter-State Loss (In Percentage)	c	4.03
4	Inter-State Loss (In MU)	$d=b*c$	55.40
5	Intra-State Loss (In Percentage)	e	13.31
6	Intra-State Loss (In MU)	$f=e*(b-d)$	175.64
7	Hydro Power Consumed (In MU)	$g=b-d-f$	1143.70
<b>8</b>	<b>Conventional Power Consumed (In MU)</b>	<b><math>h=a-g</math></b>	<b>296.32</b>





**Table 3-6: RPO Requirement (Solar and Non-Solar) for FY 2021-22**

Particulars	RPO %	Target		Previous Year Backlog of FY 2020-21 as approved by Hon'ble Commission	Total RPO Obligation for the FY 2021-22 (in MU)	RPO Target Met during FY 2021-22 Units (in MU)	Cumulative RPO Balance
		Conventional Power Consumed (in MU)	Units (in MU)				
Solar	8.00%	296.32	23.71		23.71	7.68	0.00
Non-Solar	9.00%	296.32	26.67	18.92	45.59	120.66	-
<b>Total</b>	<b>17.00%</b>		<b>50.38</b>	<b>18.92</b>	<b>69.30</b>	<b>128.34</b>	<b>0.00</b>

**Table 3-7: Sources of Solar Power Procurement against Solar RPO for FY 2021-22**

Particulars	FY 2021-22 (in MU)
Power procured from CREST	7.68
<b>Total Solar RPO Met</b>	<b>7.68</b>

**Table 3-8: Sources of Non-Solar Power Procurement against Non-Solar RPO for FY 2021-22**

Particulars	FY 2021-22 (in MU)
SECI WIND ENERGY	120.66
<b>Total Non-Solar RPO Met</b>	<b>120.66</b>

3.5.7 While the Commission had approved a total power purchase cost of Rs. 715.35 Crores for FY 2021-22 in the Tariff order dated 30<sup>th</sup> March, 2021, the estimated power purchase cost for FY 2021-22 at Rs. 674.83 Crore which is lower than the previous approved power purchase cost due to lower sales projected for FY 2021-22.

3.5.8 In view of above, EWEDC proposes total power purchase units of 1722.92 MU and power purchase cost of Rs. 674.83 Crores for the FY 2021-22.

3.5.9 The Hon'ble Commission may kindly consider the above submissions and approve the power purchase units & cost as proposed.

### 3.6 Operations and Maintenance Expenses

3.6.1 Operation & Maintenance Expenses consists of three elements viz. Employee Expenses, A&G Expenses and R&M Expenses. As per the MYT Regulations, 2018, O&M expenses shall be treated as controllable parameter and shall not be revised except those attributable to directions of the Hon'ble Commission.

3.6.2 With regard to the O&M Expenses, EWEDC has considered the O&M expenses for FY 2021-22 at the levels as approved by the Hon'ble Commission vide order dated 30<sup>th</sup> March 2021. EWEDC prays the Hon'ble Commission to allow the liberty to submit the actual O&M expenses incurred during FY 2021-22 at the time of truing-up of ARR of FY 2021-22. The O&M expenses claimed under different heads for FY 2021-22 along with the respective approved expenses is as under:

**Table 3-9: Approved and Estimated O&M Expenses for FY 2021-22 (in Rs. Crore)**

Particulars	Approved in T.O. dated 30th March, 2021	FY 2021-22 (Estimated)
Employee Expenses	80.48	80.48
A&G Expenses	7.69	7.69
R&M Expenses	11.06	11.06
<b>Total O&amp;M Expenses</b>	<b>99.23</b>	<b>99.23</b>

3.6.3 The Hon'ble Commission is requested to consider and approve total O&M expenses as estimated by EWEDC in the table above.

### 3.7 Capital Expenditure and Capitalization

3.7.1 The Hon'ble Commission had approved a capital expenditure in the Tariff Order dated 30<sup>th</sup> March, 2021 of Rs. 93.30 Crores for the FY 2021-22. EWEDC submits the total estimated expenditure and capitalisation vis-à-vis approved in the table below.

**Table 3-10: Capital Expenditure and Capitalization Projections during FY 2021-22 (in Rs. Crore)**

Particulars	Approved in T.O. dated 30 <sup>th</sup> March, 2021	FY 2021-22 (Estimated)
Capital Expenditure	93.30	11.96
Capitalization	57.38	8.60

3.7.2 It is submitted that due to interrupted lockdowns both in FY 2020-21 and FY 2021-22 and ongoing privatisation proceedings not much of capex could be executed in FY 2021-22 and therefore Hon'ble Commission is requested to consider and approve the total Capital Expenditure & Capitalization for the FY 2020-21 as computed in the table above.

### 3.8 GFA and Depreciation

3.8.1 EWEDC has considered the closing GFA for the FY 2020-21 as worked out in the Truing Up exercise amounting to Rs. 328.08 Crores as opening GFA for the FY 2021-22.

3.8.2 The table below presents the approved and estimated asset details for the FY 2021-22.

3.8.3 EWEDC requests the Hon'ble Commission to approve the projected value of fixed assets as submitted in the table below:

**Table 3-11: Approved and Estimated Additional Capital Expenditure during FY 2021-22 (in Rs. Crore)**

Particulars	Approved in T.O. dated 30 <sup>th</sup> March, 2021	FY 2020-21 (Actual)	FY 2021-22 (Estimated)
Opening GFA	462.92	318.42	328.08
Asset Capitalized	57.38	7.13	8.60
Closing GFA	520.30	325.55	336.68

3.8.4 Depreciation has been worked out on basis of the opening GFA of Rs. 328.08 Crore and proposed additional capital expenditure of Rs. 8.60 Crore during the FY 2021-22. Weighted Average rate of Depreciation for the year has been worked out based on the individual asset class depreciation rate as specified in

Appendix-I of the MYT Regulations 2018. The approved and revised depreciation worked out for FY 2021-22 is as under:

**Table 3-12: Approved and Estimated Depreciation for FY 2021-22 (in Rs. Crore)**

Particulars	Approved in T.O. dated 30th March, 2021	FY 2021-22 (Estimated)
Opening Gross Fixed Assets at the beginning of FY 2021-22	337.89	328.08
Addition of Assets during FY 2021-22	57.38	8.60
Adjustment during the FY 2021-22	-	-
Gross Fixed Assets at the end of FY 2021-22	395.27	336.68
Average Gross Fixed Assets	366.58	332.38
Average Rate of Depreciation	3.45%	3.46%
<b>Depreciation for the Year</b>	<b>12.65</b>	<b>11.49</b>

### 3.9 Interest on Loan

3.9.1 Regulation 28 of MYT Regulation, 2018 provides the methodology for working out Interest on Loan. In line with the underlying regulation, EWEDC has considered the value of opening normative loan same as the closing normative loan of FY 2020-21 as submitted in truing-up section. Further, 70% of proposed capitalisation during FY 2021-22 has been considered as addition to the normative loan.

3.9.2 Repayment of the normative loan during FY 2020-21 has been considered equivalent to the depreciation for the year in line with the MYT Regulations.

3.9.3 The interest at the SBI MCLR rate as on April 1st, 2021 plus 100 basis points i.e. 8.00% has been applied on the average normative loan in order to project the interest on normative loans for FY 2021-22. Further, actual Bank Charges of Rs. 1.35 as incurred during FY 2020-21 has been considered for FY 2021-22. The Hon'ble Commission is requested to approve the interest on normative loan as computed in the table below:

**Table 3-13: Approved and Estimated Interest on Normative Loan for FY 2021-22 (in Rs. Crore)**

Particulars	Approved in T.O. dated 30th March, 2021	FY 2021-22 (Estimated)
Opening Normative Loan	-	1.66
Add: Normative Loan during the year	40.17	6.02
Less: Normative Repayment	12.65	6.02
Closing Normative Loan	27.52	-
Average Normative Loan	13.76	0.83
Rate of Interest	8.00%	8.00%
Interest on Normative Loan	1.10	0.07
Bank Charges	0.00	1.35
<b>Interest on Normative Loan including Bank charges</b>	<b>1.10</b>	<b>1.42</b>

### 3.10 Interest on Working Capital

3.10.1 As per clause 31 & 52 of JERC MYT Regulations, 2018 the working capital of a licensee shall consist of

- Receivable of two months of billing
- O&M Expenses of one month
- 40% of Repair & maintenance expenses for one month
- Less consumer security deposit but excluding Bank Guarantee

3.10.2 The SBI 1 Year MCLR as on 1<sup>st</sup> April, 2021 plus 200 basis point i.e. 9.00% has been considered for working out Interest on Working Capital. The EWEDC requests the Commission to approve the revised working capital requirement and interest computed as per the regulations. The same is summarized in the table below:

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

Particulars	Approved in T.O. dated 30th March, 2021	FY 2021-22 (Estimated)
Two months receivables	141.72	126.89
Add: One month O&M Expenses	8.27	8.27
Add: 40% of repair & maintenance expenses for one month	0.37	0.37
Less: Consumer Security Deposit excl. BG	207.72	193.76

Particulars	Approved in T.O. dated 30th March, 2021	FY 2021-22 (Estimated)
<b>Total Working Capital after deduction of Consumer Security Deposit</b>	<b>(57.35)</b>	<b>(58.23)</b>
Interest Rate (%)	9.75%	8.00%
<b>Interest on Working Capital</b>	<b>0.00</b>	<b>0.00</b>

### 3.11 Interest on Consumer Security Deposit

3.11.1 In accordance with Clause 47(4) of Electricity Act 2003, the distribution licensee is required to pay interest on security deposit collected from the consumers, equivalent to the bank rate as approved by the Hon'ble Commission. EWEDC has estimated the Consumer Security Deposit for FY 2021-22 by considering the opening consumer security deposit as closing for FY 2020-21. Further, to estimate the closing value of FY 2021-22, EWEDC has taken into account the percentage increase in number of consumers from FY 2020-21 to FY 2021-22. Based on the percentage increase observed in number of consumers during FY 2021-22, the opening value of consumer security deposit of FY 2021-22 has been escalated to arrive at the closing value of consumer security deposit during FY 2021-22. Bank Rate for working out the consumer security has been considered as RBI Bank Rate prevailing on 1<sup>st</sup> April 2021. EWEDC requests the Hon'ble Commission to approve the Interest on consumer security deposit worked out for FY 2021-22. The details of interest on security deposit worked out for FY 2021-22 is given in the table as under:

**Table 3-15: Interest on Consumer Security Deposit for FY 2020-21 (in Rs. Crore)**

Particulars	Approved in T.O. dated 30th March, 2021	FY 2021-22 (Estimated)
Opening Consumer Security Deposit	203.72	190.10
Net Addition During the year	8.00	3.66
Closing Consumer Security Deposit	211.72	193.76
Average Deposit	207.72	191.93
Bank Rate	4.65%	4.25%
<b>Interest on Consumer Security Deposit</b>	<b>9.66</b>	<b>8.16</b>

### 3.12 Return on Equity

3.12.1 Regulation 27 of MYT Regulations, 2018 provides the methodology for working out of Return on Equity (RoE). EWEDC has considered the value of closing equity of FY 2020-21 at Rs. 133.52 Crore as submitted in the truing-up exercise. Further, 30% of proposed capitalisation during the FY 2021-22 has been considered as equity addition during FY 2021-22. The revised RoE for FY 2021-22 is provided in the table as under:

**Table 3-16: Approved and Estimated Return on Equity for FY 2021-22 (in Rs. Crore)**

Particulars	Approved in T.O. dated 30th March, 2021	FY 2021-22 (Estimated)
Opening Equity	132.93	136.80
Additions on account of new capitalisation	17.21	2.58
Closing Equity	150.14	139.39
Average Equity	141.53	138.10
Average Equity (Wires Business)	127.38	124.29
Average Equity (Retail Supply Business)	14.15	13.81
Return on Equity for Wires Business (%)	15.50%	15.50%
Return on Equity for Retail Supply Business (%)	16.00%	16.00%
Return on Equity for Wires Business	19.74	19.26
Return on Equity for Retail Supply Business	2.26	2.21
<b>Return on Equity</b>	<b>22.43</b>	<b>21.47</b>

### 3.13 Provision for Bad and Doubtful Debt

3.13.1 With regard to the Provision for Bad and Doubtful debt, EWEDC would humbly like to submit that as laid out in Para 2.11.1 in the Truing Up section above, the Hon'ble Commission in view of the Regulation 62.1 while truing up the ARR of FY 2019-20 had not considered any bad and doubtful debt during FY 2019-20 as the EWEDC had not written-off any bad debt during the year.

3.13.2 Accordingly, EWEDC has not claimed any expense under Provision for Bad and Doubtful Debt as EWEDC has not written-off any bad debt during FY 2020-21. Further, EWEDC in line with the ruling of Commission is also not claiming any expense under Provision for Bad and Doubtful Debt during FY 2021-22



### 3.14 Non-Tariff Income

3.14.1 EWEDC has estimated the Non-Tariff Income for FY 2021-22 same as that approved by Hon'ble Commission of Rs. 17.77 Crore.

### 3.15 Revenue on Current Tariff

3.15.1 The revised estimation of revenue based on the estimated sales and approved tariff for FY 2021-22 is provided in the table below:

**Table 3-17: Approved and Estimated Revenue on Existing Tariff for FY 2021-22 (in Rs. Crore)**

Sr. No.	Category of Consumers	Approved in T.O. dated 30th May, 2020	FY 2020-21 (Estimated)
A	Domestic – LT	392.76	304.78
B	Domestic – HT	15.52	12.08
C	Commercial – LT	149.57	122.13
D	Commercial – HT	166.81	134.97
E	Large Supply	77.25	65.28
F	Medium Supply	64.19	60.70
G	Small Power	9.65	7.88
H	Agriculture	0.43	0.31
I	Public Lighting	8.79	8.54
J	Bulk Supply	52.08	44.68
K	Others Temporary Supply	3.40	0.00
	<b>Total</b>	<b>940.45</b>	<b>761.34</b>

### 3.16 FPPCA Billed during the year

3.16.1 EWEDC would humbly like to submit that FPPCA has not been projected for FY 2021-22 for the purpose of ARR computations.

3.16.2 Further, EWEDC would like to pray the Hon'ble Commission to issue the further directives towards the recovery of FPPCA from Consumers wherein Hon'ble Commission vide Order dated 30<sup>th</sup> March 2021 has ruled that no FPPCA shall be recovered from the consumers from 1st April 2021 onwards till further orders of the Commission.

### 3.17 Regulatory Surcharge Billed during the year

3.17.1 In the Tariff Order dated 20<sup>th</sup> May, 2019, the Hon'ble Commission had discontinued the Regulatory Surcharge from the FY 2019-20 onwards. EWEDC in line with the order of Hon'ble Commission is not billing any Regulatory Surcharge for FY 2021-22.

### 3.18 Estimated Aggregate Revenue Requirement and Surplus for FY 2020-21

3.18.1 Based on the revised ARR and revenue projection, the revenue (gap)/surplus for FY 2021-22 is summarized in the table as under:

**Table 3-18: Approved and Estimated Aggregate Revenue Requirement for the FY 2021-22 (in Rs. Crore)**

Sr. No.	Particulars	Approved in T.O. dated 30th March, 2021	FY 2021-22 (Estimated)
1	Cost of power purchase for full year	715.35	674.83
2	Employee costs	80.48	80.48
3	R&M expenses	11.06	11.06
4	Administration and general expenses	7.69	7.69
5	Depreciation	12.65	11.49
6	Interest and finance charges	1.10	1.42
7	Interest on working capital	0.00	0.00
8	Return on Equity	22.01	21.47
9	Provision for Bad Debt	0.00	0.00
10	Interest on Consumer Security Deposit	9.66	8.16
<b>11</b>	<b>Total Revenue Requirement</b>	<b>860.00</b>	<b>816.60</b>
12	Less: Non-Tariff Income	17.77	17.77
<b>13</b>	<b>Net Revenue Requirement (11-12-13)</b>	<b>842.23</b>	<b>798.83</b>
14	Revenue from retail sales	940.44	761.34
15	FPPCA	0.00	0.00
16	Regulatory Surcharge	0.00	0.00
<b>17</b>	<b>Revenue Surplus/(Gap) for the Year</b>	<b>98.21</b>	<b>(37.48)</b>

3.18.2 The revenue gap determined for the FY 2021-22 amounts to Rs. 37.48 Crores and the Hon'ble Commission is requested to approve the same. This revenue gap has been carried forward to FY 2022-23.

## Chapter 4: Aggregate Revenue Requirement for Control Period FY 2022-23 to FY 2024-25

### 4.1 Background

4.1.1 The Hon'ble Joint Electricity Regulatory Commission (JERC) has notified the Regulations, JERC (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2021 (hereafter referred to as MYT Regulations, 2021) on March 22, 2021 for the determination of tariff for the MYT control period from FY 2022-23 to FY 2024-25 based on certain norms of operation and financial parameters.

4.1.2 The MYT Regulations, 2021 clearly stipulates that the Hon'ble Commission shall determine the tariff under MYT framework with effect from 1st April 2022. The relevant section is quote below:

*"5.1 The Commission shall determine the tariff for matters covered under clauses (a), (b), (c) and (d) of Regulation 3.1, under a Multi-Year Tariff framework with effect from April 1, 2022."*

4.1.3 The MYT Regulations, 2021 has defined control period as follows:

*"18. "Control Period" shall mean the period of three (3) Years from April 1, 2022 to March 31, 2025;"*

4.1.4 Further, Regulation 9.2 of the MYT Regulations, 2021 stipulates as follows:

*"9.2 The Applicant shall develop the forecast of Aggregate Revenue Requirement using the assumptions relating to the behaviour of individual variables that comprise the Aggregate Revenue Requirement during each year of the Control Period, including inter-alia detailed category-wise sales and demand projections, power procurement plan, Capital Investment Plan, trajectories of parameters specified in these Regulations and Business Plan, in accordance with guidelines and formats, as may be specified by the Commission from time to time."*

4.1.5 EWEDC accordingly submits Aggregate Revenue Requirement for the MYT control period from FY 2022-23 to FY 2024-25 based on the projections of individual variables as per the MYT Regulations, 2021 and in terms of sales,

power purchase, Capital investment and other projections submitted in the Business Plan for FY 2022-23 to FY 2024-25.

## 4.2 Principles of Determination of ARR

4.2.1 This chapter summarizes the Aggregate Revenue Requirement (ARR) for the MYT control period FY 2022-23 to FY 2024-25. The projections for the control period have been made based on the parameters specified in the MYT Regulations, norms proposed in Business Plan and also based on actual data for previous years.

4.2.2 The overall performance parameters proposed for the control period is based on the methodologies discussed in subsequent paragraphs.

## 4.3 Number of Consumers & Load for FY 2022-23 to 2024-25

4.3.1 EWEDC has submitted projections with regard to number of consumers on the basis of past actuals and after considering appropriate CAGR giving rationale for such consideration for each category of consumers in its Business Plan petition. The same has been considered and is shown in the following table.

**Table 4-1: Number of Consumer Projected for FY 2022-23 to FY 2024-25**

Particulars	No. of Consumers		
	FY 2022-23	FY 2023-24	FY 2024-25
Domestic (LT + HT)	2,04,724	2,08,011	2,11,350
Non-Domestic (LT+ HT)	28,521	29,772	31,078
Large Supply	95	95	95
Medium Supply	1,443	1,443	1,443
Small Power	1,492	1,508	1,525
Agriculture	122	123	124
Public Lighting	1,580	1,672	1,770
Bulk Supply	531	531	531
Others Temporary Supply	448	448	448
<b>Total</b>	<b>2,38,957</b>	<b>2,43,603</b>	<b>2,48,363</b>

4.3.2 EWEDC submits that connected load for FY 2022-23 to FY 2024-25 as proposed in the Business Plan as summarised in the following table has been considered for the MYT control period FY 2022-23 to FY 2024-25:

**Table 4-2: Projected Connected Load for FY 2022-23 to FY 2024-25**

Particulars	Connected Load (MW)		
	FY 2022-23	FY 2023-24	FY 2024-25
Domestic (LT + HT)	972.55	1,005.23	1,039.02
Non-Domestic (LT+ HT)	534.02	556.55	580.04
Large Supply	67.98	67.98	67.98
Medium Supply	78.76	78.76	78.76
Small Power	25.31	26.15	27.03
Agriculture	0.92	0.95	0.99
Public Lighting	4.93	5.05	5.18
Bulk Supply	41.75	41.78	41.82
Others Temporary Supply	2.14	2.14	2.14
<b>Total</b>	<b>1,728.35</b>	<b>1,784.61</b>	<b>1,842.95</b>

#### 4.4 Sales for FY 2022-23 to FY 2024-25

4.4.1 EWEDC submits that sales for MYT control period FY 2022-23 to FY 2024-25 has been considered same as submitted in the Business Plan Petition and is shown in the following table.

**Table 4-3: Sales (in MUs) Projected for FY 2022-23 to FY 2024-25**

Particulars	Sales (MU)		
	FY 2022-23	FY 2023-24	FY 2024-25
Domestic (LT + HT)	759.21	796.10	834.78
Non-Domestic (LT+ HT)	484.49	491.76	499.13
Large Supply	123.76	125.12	126.49
Medium Supply	106.38	106.38	106.38
Small Power	18.43	18.43	18.43
Agriculture	1.41	1.45	1.49
Public Lighting	14.78	14.78	14.78
Bulk Supply	82.88	84.87	86.91
Others Temporary Supply	4.20	4.20	4.20
<b>Total</b>	<b>1,595.55</b>	<b>1,643.08</b>	<b>1,692.58</b>

4.4.2 The details of Number of Consumers, Connected Load and Sales for MYT control period FY 2022-23 to FY 2024-25 are provided in Format 5 of Tariff Filing

Formats and the Petitioner humbly prays that the same may kindly be approved by the hon'ble Commission.

#### 4.5 Power Purchase Quantum and Cost

4.5.1 It is humbly submitted that as mentioned in the Business Plan, EWEDC does not have any generation capacity of its own, it relies entirely on the allocation of power from the Central Generating Stations like NTPC, NHPC, BBMB, NPCIL, SJVNL, APCPL etc.

4.5.2 EWEDC has submitted a detailed power procurement plan in chapter 6 of its Business Plan Petition for the MYT control period FY 2022-23 to FY 2024-25. As submitted in the Business Plan, the power procurement from various sources during the next Control Period from FY 2022-23 to FY 2024-25 is shown in the following table.

**Table 4-4: Power Procurement from CGS during the Control Period (MU)**

Source	FY 2022-23	FY 2023-24	FY 2024-25
<b>NTPC (HYDRO)</b>			
KOLDAM	52.92	52.92	52.92
SINGRAULI	0.20	0.20	0.20
<b>NHPC</b>			
DHULSATI	42.54	42.54	42.54
PARBATI-III	15.84	15.84	15.84
URI-II	29.12	29.12	29.12
SEWA-II	14.96	14.96	14.96
CHAMERA-III	24.02	24.02	24.02
TANAKPUR	5.80	5.80	5.80
DHAULIGANGA GANGA	30.99	30.99	30.99
CHAMERA-I	102.50	102.50	102.50
CHAMERA-II	32.63	32.63	32.63
URI	20.53	20.53	20.53
SALAL	10.30	10.30	10.30
Kishan-Ganga	14.09	14.09	14.09
<b>THDC</b>			
TEHRI	169.92	169.92	169.92
KOTESHWAR	16.48	16.48	16.48
<b>SJVNL</b>			
RAMPUR	20.43	20.43	20.43
NATHPA	118.00	118.00	118.00
<b>BBMB</b>			
Bhakhra	600.18	600.18	600.18
Dehar	91.50	91.50	91.50
Pong	19.52	19.52	19.52
<b>APCPL THERMAL</b>			
JHAJJAR	20.96	20.96	20.96

Source	FY 2022-23	FY 2023-24	FY 2024-25
<b>NTPC (THERMAL)</b>			
DADRI-II	3.45	3.45	3.45
UNCHAHAAR-I	14.56	14.56	14.56
UNCHAHAAR-II	18.64	18.64	18.64
UNCHAHAAR-III	9.31	9.31	9.31
UNCHAHAAR-IV	29.05	29.05	29.05
KAHELGAON-II	21.62	21.62	21.62
SINGRAULI	7.56	7.56	7.56
RIHAND-III	45.86	45.86	45.86
RIHAND-I	61.10	61.10	61.10
RIHAND-II	53.46	53.46	53.46
Tanda-II	11.49	11.49	11.49
<b>MUNPL</b>			
MEJA-I	25.16	25.16	25.16
<b>NTPC (GAS)</b>			
DADRI G	27.35	27.35	27.35
AURIYA G	7.82	7.82	7.82
ANTA G	3.61	3.61	3.61
<b>NPCIL</b>			
RAPS 5 & 6	95.43	95.43	95.43
RAPS 3 & 4	19.09	19.09	19.09
NAPS	89.43	89.43	89.43

4.5.3 **Power Purchase from SECI (WIND):** In addition to existing sources, EWEDC has one major addition in current year i.e., SECI's (WIND) contracted capacity of 40 MW. EWEDC has started procuring power from this source from May 2021, with annual minimum offtake of 151.48 MU which shall help in fulfilling peak energy requirements as well as meeting Non-Solar RPO of the Licensee. The projections from this source have been considered based on provisional CUF of 35.98% as provided by SECI, which in turn works out to an yearly generation of 125.73 MU..

4.5.4 In terms of above, the annual energy projections from SECI Wind has been considered as per the following table.

**Table 4-5: Power Procurement from SECI (WIND) during the Control Period (MU)**

Source	FY 2022-23	FY 2023-24	FY 2024-25
SECI (WIND)	125.73	125.73	125.73

4.5.5 **Energy Availability from - State Solar:** As projected in the Business Plan, the year wise generation from State Solar has been considered as per Table below:

**Table 4-6: Power Procurement from Intra-State Solar during the Control Period (MU)**

Source	FY 2022-23	FY 2023-24	FY 2024-25
CREST	9.59	11.03	12.46

4.5.6 **Power Purchase Cost:** It is submitted that in the Business Plan petition, EWEDC has projected the cost of power from each source along with underlying assumptions considered for projecting the cost.

4.5.7 In accordance with the projections submitted in the Business Plan, the Petitioner submits the source wise details of yearly power purchase cost projected for the Control Period as follows.

**Table 4-7: Power Procurement during the Control Period (Rs. Cr.)**

Source	FY 2022-23	FY 2023-24	FY 2024-25
<b>NTPC (HYDRO)</b>			
KOLDAM	28.40	29.25	30.13
SINGRAULI	0.10	0.11	0.11
<b>NHPC</b>			
DHULSATI	26.25	27.03	27.84
PARBATI-III	9.40	9.69	9.98
URI-II	15.00	15.45	15.91
SEWA-II	3.90	4.02	4.14
CHAMERA-III	11.27	11.61	11.96
TANAKPUR	1.92	1.98	2.04
DHAULIGANGA GANGA	8.46	8.71	8.98
CHAMERA-I	20.67	21.29	21.93
CHAMERA-II	8.21	8.46	8.71
URI	3.58	3.69	3.80
SALAL	1.48	1.53	1.57
Kishan-Ganga	7.29	7.50	7.73
<b>THDC</b>			
TEHRI	56.75	58.45	60.21
KOTESHWAR	6.47	6.66	6.86
<b>SJVNL</b>			
RAMPUR	10.23	10.53	10.85
NATHPA	29.83	30.72	31.65
<b>BBMB</b>			
Bhakhra	180.63	185.93	191.33
Dehar			
Pong			
<b>APCPL THERMAL</b>			
JHAJJAR	23.11	23.81	24.52
<b>NTPC (THERMAL)</b>			
DADRI-II	2.62	2.69	2.78



Source	FY 2022-23	FY 2023-24	FY 2024-25
UNCHAHAR-I	6.46	6.66	6.86
UNCHAHAR-II	8.77	9.03	9.30
UNCHAHAR-III	4.32	4.45	4.59
UNCHAHAR-IV	14.63	15.07	15.52
KAHELGAON-II	6.59	6.78	6.99
SINGRAULI	2.36	2.43	2.50
RIHAND-III	13.61	14.02	14.44
RIHAND-I	15.30	15.76	16.24
RIHAND-II	10.33	10.64	10.95
Tanda-II	6.95	7.16	7.37
<b>MUNPL</b>			
MEJA-I	26.81	27.61	28.44
<b>NTPC (GAS)</b>			
DADRI G	16.14	16.63	17.13
AURIYA G	9.67	9.96	10.26
ANTA G	7.38	7.60	7.83
<b>NPCIL</b>			
RAPS 5 & 6	36.71	37.81	38.94
RAPS 3 & 4	6.22	6.41	6.60
NAPS	27.40	28.22	29.07
SECI (WIND)	34.27	34.27	34.27
CREST	7.42	8.53	9.63
Short Term Purchase/(Sale)	(81.33)	(64.25)	(46.44)
PGCIL Transmission Charges and Other Charges	104.24	107.37	110.59
<b>Grand Total</b>	<b>749.68</b>	<b>791.25</b>	<b>834.23</b>

#### 4.6 T&D Loss for FY 2022-23 to FY 2024-25

4.6.1 Interstate Transmission Loss: The EWEDC has considered the transmission losses of 4.03% same as approved for FY 2021-22 in Tariff Order dated 30.03.2021.

**Table 4-8: Inter State Transmission Losses (%) for the FY 2022-23 to FY 2024-25**

Particular	FY 2022-23	FY 2023-24	FY 2024-25
Interstate Transmission Loss	4.03%	4.03%	4.03%

4.6.2 **Distribution Loss:** It is submitted that EWEDC has been working hard to reduce its Distribution losses to the targets approved by the Hon`ble Commission in the previous control period. EWEDC has reduced some of its Distribution Loss with the help of NIELIT Chandigarh Centre which has been pioneer in introducing computerization of Electricity & Water Billing in the northern states of Punjab, Haryana, UT Chandigarh. The actual distribution losses for FY 2020-21 is 13.81%.

4.6.3 As submitted in the Business Plan Petition, EWEDC proposes the distribution loss trajectory for the control period as mentioned below.

**Table 4-9: Distribution Loss Reduction (%) Trajectory for the Control Period**

Particular	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
	Actual	Estimated	Projected	Projected	Projected
Distribution Loss	13.81%	13.31%	13.06%	12.81%	12.56%

4.6.4 Hon'ble Commission is humbly requested to approve the same.

## 4.7 Energy Balance

4.7.1 As projected in the Business Plan Petition, the Energy balance for FY 2022-23 to FY 2024-25 is shown in the following table:

**Table 4-10: Energy Balance for FY 2022-23 to FY 2024-25**

Sr. No.	Particulars	Control Period		
		FY 2022-23	FY 2023-24	FY 2024-25
<b>A)</b>	<b>ENERGY REQUIREMENT</b>			
1	Energy sales to metered category within the State	1,595.55	1,643.08	1,692.58
2	Total sales within the State	1,595.55	1,643.08	1,692.58
3	Distribution Losses (MU)	239.74	241.47	243.19
4	Distribution Losses (%)	13.06%	12.81%	12.56%
5	Energy required at DISCOM Periphery	1,835.30	1,884.55	1,935.77
6	Intra-State Transmission Losses	-	-	-
7	<b>Total Energy Requirement at State Periphery</b>	<b>1,835.30</b>	<b>1,884.55</b>	<b>1,935.77</b>
<b>B)</b>	<b>ENERGY AVAILABILITY</b>			
1	Availability from firm sources outside state	2,123.17	2,123.17	2,123.17
2	Availability from UI Over-draw/ Under-drawl	-	-	-
3	Net Purchase/ (Sale) - Open Market	(230.39)	(182.00)	(131.55)
4	<b>Total Availability of Energy from outside the state</b>	<b>1,892.77</b>	<b>1,941.17</b>	<b>1,991.61</b>
5	<b>PGCIL Losses - MUs</b>	<b>76.67</b>	<b>78.67</b>	<b>80.76</b>
6	<b>PGCIL Losses - %</b>	<b>4.03%</b>	<b>4.03%</b>	<b>4.03%</b>
7	<b>Total Availability of Energy at State Periphery from outside state after Inter-state Losses</b>	<b>1825.70</b>	<b>1873.52</b>	<b>1923.31</b>
8	Availability from firm sources inside the state	9.59	11.03	12.46
9	<b>Total Availability of Energy for the State</b>	<b>1,835.30</b>	<b>1,884.55</b>	<b>1,935.77</b>

## 4.8 RPO Obligation during the Control Period

4.8.1 EWEDC envisages to fulfil its RPO obligation during the Control Period through purchase from solar plants under gross metering and net metering, and

additional energy from Non-Solar sources which include SECI's Wind Power. The details with regard to RPO compliance are as under:

**Table 4-11: Effective Energy Sales (Excluding Hydro) for FY 2022-23 to FY 2024-25**

Sr. No.	Particular	Formula	FY 2022-23	FY 2023-24	FY 2024-25
1	Energy Sales within UT (In MU)	a	1595.55	1643.08	1692.58
2	Hydro Power Purchase (In MU)	b	1374.74	1374.74	1374.74
3	Inter-State Loss (In Percentage)	c	4.03	4.03	4.03
4	Inter-State Loss (In MU)	$d=b*c$	55.40	55.40	55.40
5	Intra-State Loss (In Percentage)	e	13.06%	12.81%	12.56%
6	Intra-State Loss (In MU)	$f=e*(b-d)$	172.35	169.05	165.75
7	Hydro Power Consumed (In MU)	$g=b-d-f$	1,146.99	1,150.29	1,153.59
<b>8</b>	<b>Conventional Power Consumed (In MU)</b>	<b><math>h=a-g</math></b>	<b>448.56</b>	<b>492.79</b>	<b>538.99</b>

4.8.2 With regard to the RPO Obligation target, EWEDC has considered 1% increase on Base Year FY 2021-22 levels for Solar and Non-Solar sources.

**Table 4-12: RPO Requirement (Solar and Non-Solar) during the Control Period**

Sr. No.	Particulars	RPO %			Target (in MU)		
		FY 2022-23	FY 2023-24	FY 2024-25	FY 2022-23	FY 2023-24	FY 2024-25
1	Solar	9.00%	10.00%	11.00%	40.37	49.28	59.29
2	Non-Solar	10.00%	11.00%	12.00%	44.86	54.21	64.68
<b>Total</b>		<b>19.00%</b>	<b>21.00%</b>	<b>23.00%</b>	<b>85.23</b>	<b>103.49</b>	<b>123.97</b>

**Table 4-13: Sources of Solar Power Procurement against Solar and Non-Solar RPO during the Control Period**

Particulars	2022-23 (in MU)	2023-24 (in MU)	2024-25 (in MU)
Power/procurement projected CREST for Solar RPO Fulfilment	9.59	11.03	12.46
Power procurement projected from SECI WIND Non-Solar RPO Fulfilment	120.66	120.66	120.66
<b>Total RPO Fulfilment during the Year</b>	<b>130.26</b>	<b>131.69</b>	<b>133.12</b>

4.8.3 In view of the submissions made in Tables above, EWEDC envisages to comfortably achieve the RPO targets during each year of the control period based on actual solar energy procurement from Net and Gross metering sources and non-solar energy procurement from SECI Wind Power.

## 4.9 Operation & Maintenance (O&M Expenses)

4.9.1 Operation & Maintenance expenses comprise of the following heads of expenditure viz.

- Employee Expenses
- Administration & General Expenses
- Repairs & Maintenance Expenses

4.9.2 As per Regulation 52 of JERC MYT regulations, 2021, licensees are required to submit O&M expenses for the control period as a part of MYT tariff petition.

4.9.3 Further, the JERC MYT regulations, 2021 provides the methodology for computing O&M expense. The relevant extract of the Regulation is mentioned as follows:

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

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

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

*Where,*

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

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

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

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

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

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

*EMP<sub>n</sub> – Employee expenses of the Distribution Licensee for the nth Year;*

*A&G<sub>n</sub> – Administrative and General expenses of the Distribution Licensee for the nth Year;*

*R&M<sub>n</sub> – Repair and Maintenance expenses of the Distribution Licensee for the nth Year;*

*GFA<sub>n-1</sub> – Gross Fixed Asset of the Distribution 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, approved cost by the Commission in past and any other factor that the Commission feels appropriate:*

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

4.9.4 In view of relevant Regulations quoted above, EWEDC has estimated the Employee Expenses, A&G Expenses and R&M Expenses for the base Year FY 2021-22 by working out average expenses of FY 2018-19 to FY 2020-21 and escalating (average CPI and WPI Index) such average twice to arrive at the normative expenses for FY 2021-22.

4.9.5 The detail of average expenses is as under:

**Table 4-14: Average O&M Expenses of Previous Three Years (Rs. Crore)**

O&M Expenses		Actuals			3 Year Average
Sr. No.	Particulars	FY 2018-19	FY 2019-20	FY 2020-21	
1	Employee Expenses	74.38	75.63	72.70	74.24
2	R&M	10.51	10.67	16.65	12.61
3	A&G	7.10	6.93	5.00	6.34
<b>Total O&amp;M Expenses</b>		<b>91.99</b>	<b>93.23</b>	<b>94.35</b>	<b>93.19</b>

4.9.6 The details of average CPI and WPI index considered for working out the O&M expenses for base year FY 2021-22 is as under:

**Table 4-15: Average CPI Computations**

CPI Inflation			
FY	Average of (Apr-Mar)	Increase in CPI Index	Average increase in CPI
2017-18	284.42		
2018-19	299.92	5.45%	
2019-20	322.5	7.53%	
2020-21	338.69	5.02%	<b>6.00%</b>

**Table 4-16: Average WPI Computations**

WPI Inflation			
FY	Average of (Apr-Mar)	Increase in CPI Index	Average increase in CPI
2017-18	114.88		
2018-19	119.79	4.28%	
2019-20	121.80	1.68%	
2020-21	123.38	1.29%	<b>2.42%</b>

**4.9.7 Employee Expenses:** It is submitted that while projecting employee cost for the MYT control period FY 2022-23 to FY 2024-25, EWEDC has considered FY 2021-22 as base year. EWEDC has considered the finalized actual values of FY 2020-21 from the Annual Accounts to compute the base employee expenses for base year FY 2021-22. Employee expenses for FY 2022-23 to FY 2024-25 is projected based on the methodology as provided in the Regulations.

4.9.8 The Petitioner has considered average of actual employee expenses for FY 2018-19 to FY 2020-21 as the median year's (FY 2019-20) employee expenses and then have escalated the same twice with CPI value to obtain the employee expenses for the base year i.e., FY 2021-22 and is as shown below.

**Table 4-17: Employee Expenses computation for Base Year (Rs. Crore)**

Sr. No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22 (Base Year)
1	Employee Expenses (Average FY 2019-21)	74.24		
2	CPI Inflation for preceding three years (CPI)		6.00%	6.00%
	<b>Employee Expenses (Rs. Cr.)</b>		78.69	83.41

4.9.9 Further, as per Regulation 52 of JERC MYT Regulation, 2021, Gn factor is a growth factor which will be approved by Hon'ble Commission to meet the

additional manpower requirement proposed MYT tariff filing. EWEDC submits that it has computed Gn factor for MYT control period by considering the proposed employee additional and retirements.

4.9.10 Computation of Employee expenses for the Control Period is as shown in the following table:

**Table 4-18: Employee Expenses projected for FY 2022-23 to FY 2024-25 (Rs. Crore)**

Sr. No.	Particulars	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Employee Expenses	83.41			
2	Gn		6.16%	0.00%	0.00%
3	CPI Inflation for preceding three years (CPI)		6.00%	6.00%	6.00%
<b>Employee Expenses (Rs. Cr.)</b>		<b>83.41</b>	<b>93.86</b>	<b>99.49</b>	<b>105.46</b>

4.9.11 **Administration and General Expenses:** In line with JERC MYT Regulations, 2021, A&G expense have projected as per formula stated in previous para. EWEDC has considered FY 2021-22 as base year. A&G expenses for FY 2022-23 to FY 2024-25 is projected based on the methodology as provided in the Regulations. For FY 2021-22 (base year), A&G expenses are arrived by escalating the average (FY 2019-20) by CPI inflation.

4.9.12 Computation of A&G expenses for base year FY 2021-22 is provided as under:

**Table 4-19: A&G Expenses computed for Base Year (Rs. Crore)**

Sr. No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22 (Base Year)
1	A&G Expenses (Average FY 2019-21)	6.34		
2	CPI Inflation for preceding three years (CPI)		6.00%	6.00%
<b>A&amp;G Expenses (Rs. Cr.)</b>		<b>6.34</b>	<b>6.72</b>	<b>7.13</b>

4.9.13 For projecting the A&G Expenses for the Control Period, Base Year Expenses have been escalated with CPI escalation as shown in the following table.

**Table 4-20: A&G Expenses projected for FY 2022-23 to FY 2024-25 (Rs. Crore)**

Sr. No.	Particulars	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	A&G Expenses	7.13			
2	CPI Inflation for preceding three years (CPI)		6.00%	6.00%	6.00%
<b>Employee Expenses (Rs. Cr.)</b>		<b>7.13</b>	<b>7.55</b>	<b>8.01</b>	<b>8.49</b>

**4.9.14 Repair and Maintenance Expenses:** In line with JERC MYT Regulations, 2021, R&M expense for MYT control period has been worked out.

4.9.15 The Petitioner has also worked out average k-Factor based on Trued up GFA and actual R&M expenses incurred previous Three years:

**Table 4-21: Average K Factor**

Sr. No.	Particulars	FY 2018-19	FY 2019-20	FY 2020-21
1	R&M Expenses	10.51	10.67	16.65
2	Opening GFA	437.38	452.31	457.77
3	K Factor	2.40%	2.36%	3.64%
<b>4</b>	<b>K Factor Approved by the Commission (Average of 3 years)</b>	<b>2.80%</b>		

4.9.16 Computation of R&M expenses for FY 2022-23 to FY 2024-25 is provided as under:

**Table 4-22: R&M Expenses for FY 2022-23 to FY 2024-25 (Rs. Crore)**

Sr. No.	Particulars	FY 2022-23	FY 2023-24	FY 2024-25
1	Opening GFA ( $GFA_{n-1}$ ) of previous year	484.45	517.56	541.42
2	K factor approved (K)	2.80%	2.80%	2.80%
3	WPI Inflation	2.42%	2.42%	2.42%
<b>4</b>	<b>R&amp;M Expenses = <math>(K \times (GFA_{n-1}) \times (1 + WPI_{inflation}))</math></b>	<b>13.89</b>	<b>14.84</b>	<b>15.53</b>

4.9.17 Accordingly, the O&M expenses derived for base year FY 2021-22 are escalated by CPI and WPI index to project the O&M expenses for during the Control Period. The details of the O&M expenses are as under:

**Table 4-23: O&M Expenses projected during the Control Period from FY 2022-23 to FY 2024-25**

Sr. No.	Particulars	FY 2021-22 (Base Year)	MYT Control Period		
			FY 2022-23	FY 2023-24	FY 2024-25
			Projected	Projected	Projected
1	Employee Expenses	83.41	93.86	99.49	105.46
2	A&G Expenses	7.13	7.55	8.01	8.49
3	R & M Expenses	13.65	13.89	14.84	15.53
<b>4</b>	<b>Total O&amp;M Expenses</b>	<b>104.18</b>	<b>115.31</b>	<b>122.34</b>	<b>129.48</b>



## 4.10 Capital Expenditure and Capitalization

4.10.1 The MYT Regulations, 2021 specifies the following provisions for projection of capital expenditure

### *"8.5 Capital Investment Plan*

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

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

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

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

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

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

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

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

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

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

4.10.2 As per above provisions of Capital investment plan, EWEDC under Chapter 7 of the Business Plan Petition has submitted the proposed plan of Capex and Capitalization during the Control Period. It is submitted that EWEDC has considered the same for projection of ARR for the MYT control period. Summary of the Capex and Capitalisation proposed for MYT control period is tabulated as under:

**Table 4-24: Capital Expenditure and Capitalization Projections during FY 2022-23 to FY 2024-25 (in Rs. Crore)**

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Capital Expenditure	40.03	50.54	41.92
Capitalization	33.11	23.86	64.45

## 4.11 Depreciation

4.11.1 For computation of depreciation, the MYT Regulations, 2021 specifies as follows.

*"31 Depreciation*

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

4.11.2 In line with the Regulations quoted above, and as per the MYT formats provided by the Hon`ble Commission, EWEDC has computed depreciation as per the depreciation rate specified in the MYT Regulations 2021.

4.11.3 EWEDC has considered the closing GFA for the FY 2021-22 as worked out in the APR exercise of FY 2021-22 amounting to Rs. 336.68 Crore as opening GFA for the Control Period.

4.11.4 EWEDC requests the Hon`ble Commission to approve the projected value of fixed assets as submitted in the table below:

**Table 4-25: Additional Capital Expenditure Projected during FY 2022-23 to FY 2024-25 (in Rs. Crore)**

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Opening GFA	336.68	368.99	395.19
Asset Capitalized	33.11	23.86	64.45
Closing GFA	369.78	393.64	458.09

4.11.5 EWEDC requests the Hon`ble Commission to approve the depreciation worked out for each year of the control period as under:

**Table 4-26: Depreciation for FY 2022-23 to FY 2024-25 (in Rs. Crore)**

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Opening GFA at the beginning of the Year	336.68	368.99	395.19
Addition of Assets during the Year	33.11	23.86	64.45
Adjustment during the Year	-	-	-
Gross Fixed Assets at the end of the Year	369.78	393.64	458.09
Average Gross Fixed Assets	353.23	381.71	425.87
Average Rate of Depreciation	3.47%	3.48%	3.49%
<b>Depreciation for the Year</b>	<b>12.24</b>	<b>13.27</b>	<b>14.86</b>

## 4.12 Interest on Loan

4.12.1 The MYT Regulations, 2021 specifies the following provisions for projection of Interest on Loan.

*"29 Interest on Loan*

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

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

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

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

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

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

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

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

*Provided further that if the Transmission Licensee or the Distribution Licensee does not have actual loan, then one (1) Year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI for the time being in effect applicable for one (1) Year period, as may be applicable as on 1st April of the relevant Year plus 100 basis points shall be considered as the rate of interest for the purpose of allowing the interest on the normative loan.*

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

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

29.6 *For new loans proposed for each Financial Year of the Control Period, interest rate shall be considered as lower of (i) one (1) Year State Bank of India (SBI) MCLR/any replacement thereof as notified by RBI for the time being in effect applicable for one (1) Year period, as may be applicable as on 1st April of the relevant Year plus 100 basis points, and (ii) weighted average rate of interest proposed by the Distribution Licensee.*

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

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

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

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

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

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

29.11 *Interest shall be allowed on the amount held as security deposit held in cash from Retail Consumers at the Bank Rate as on 1st April of the Financial Year in which the Petition is filed: Provided that at the time of truing-up, the interest on the amount*

*of security deposit for the Year shall be considered on the basis of the actual interest paid by the Licensee during the Year, subject to prudence check by the Commission."*

4.12.2 It is submitted that EWEDC doesn't have any outstanding loan in EWEDC's books, hence normative loan has been calculated in line with above regulations. Rate of Interest for the purpose of interest computation during the Control Period has been considered as one (1) Year State Bank of India (SBI) MCLR rate prevailing as on 1<sup>st</sup> April 2021 plus 100 basis points, which works out to be 8.00%. Accordingly, taking into account the normative debt addition due to asset addition in each year of the Control Period, the Interest on Loan during the Control Period has been worked out. Further, the normative repayment has been considered equivalent to the depreciation projected for the particular year.

4.12.3 The Details of the Interest on Loan worked out for each year of the Control Period is as under:

**Table 4-27: Interest on Normative Loan for FY 2022-23 to FY 2024-25 (in Rs. Crore)**

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Opening Normative Loan	-	10.93	14.37
Add: Normative Loan during the year	23.17	16.70	45.12
Less: Normative Repayment	12.24	13.27	14.86
Closing Normative Loan	10.93	14.37	44.63
Average Normative Loan	5.47	12.65	29.50
Rate of Interest	8.00%	8.00%	8.00%
<b>Interest on Normative Loan</b>	<b>0.44</b>	<b>1.01</b>	<b>2.36</b>

### 4.13 Return on Equity

4.13.1 The MYT Regulations, 2021 specifies the following provisions for projection of Return on Equity.

*"28 Return on Equity*

*28.1 Return on equity shall be computed on the paid-up equity capital determined in accordance with Regulation 27 for the assets put to use for the Transmission Licensee and*

*shall be allowed in accordance with the prevalent CERC Tariff Regulations for transmission system.*

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

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

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

5.13.1. Further, provision of debt-to-equity ratio specified in the MYT regulation 2021 as under: -

*"27 Debt to Equity Ratio*

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

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

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

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

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

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

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



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

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

4.13.2 In line with Regulation 28 of the MYT Regulations, 2021, the opening equity for FY 2022-23 has been considered as per closing normative equity for FY 2021-22 as worked out in the APR exercise in previous Chapter. Further, equity addition during the year has been considered equal to 30% of the capitalisation in line with above specified regulations.

4.13.3 The details of the equity worked out during each year of the Control Period is as under:

**Table 4-28: Return on Equity for FY 2022-23 to FY 2024-25 (in Rs. Crore)**

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Opening Equity	139.39	149.32	156.47
Additions on account of new capitalisation	9.93	7.16	19.34
Closing Equity	149.32	156.47	175.81
Average Equity	144.35	152.90	166.14
Average Equity (Wires Business)	129.92	137.61	149.53
Average Equity (Retail Supply Business)	14.44	15.29	16.61
Return on Equity for Wires Business (%)	15.50%	15.50%	15.50%
Return on Equity for Retail Supply Business (%)	16.00%	16.00%	16.00%
Return on Equity for Wires Business	20.14	21.33	23.18
Return on Equity for Retail Supply Business	2.31	2.45	2.66
<b>Return on Equity</b>	<b>22.45</b>	<b>23.78</b>	<b>25.84</b>

#### 4.14 Interest on Security Deposit

4.14.1 The opening security deposit as on 01.04.2022 is considered equal to the closing balance of deposit for FY 2021-22. Addition of consumer security deposit projected as per new consumer expected to connect during MYT control

period. The interest rate has been considered as 4.25% based on the RBI bank rate applicable on the 1st April 2021.

4.14.2 The details of Interest on Security worked out for each year of the Control Period is as under:

**Table 4-29: Interest on Consumer Security Deposit Projected for FY 2022-23 to FY 2024-25 (in Rs. Crore)**

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Opening Consumer Security Deposit	193.76	197.51	201.35
Net Addition During the year	3.75	3.84	3.93
Closing Consumer Security Deposit	197.51	201.35	205.28
Average Deposit	195.63	199.43	203.32
Bank Rate	4.25%	4.25%	4.25%
<b>Interest on Consumer Security Deposit</b>	<b>8.31</b>	<b>8.48</b>	<b>8.64</b>

#### 4.15 Interest on Working Capital

4.15.1 The MYT Regulations, 2021 specifies the following provisions for projection of Interest on Working Capital.

*"32 Interest on Working Capital*

*32.1 The norms for working capital for Transmission Licensee shall be as specified in Chapter 5 of these Regulations.*

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

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

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

4.15.2 In line with above provisions stated in MYT Regulations, 2021. EWEDC has worked out the working capital requirement. For the purpose of working out the Interest on Working Capital, EWEDC has considered the Interest Rate of 9.00% i.e. MCLR rate of 7.00% prevailing as on 1st April 2021 plus 200 basis point.

4.15.3 The Interest on Working Capital projected for MYT control period is summarised as under:

**Table 4-30: Interest on Working Capital for FY 2022-23 to FY 2024-25 (in Rs. Crore)**

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Two months receivables	139.22	143.22	147.38
Add: One month O&M Expenses	9.61	10.20	10.79
Add: 40% of repair & maintenance expenses for one month	0.46	0.49	0.52
Less: Consumer Security Deposit excl. BG	197.51	201.35	205.28
<b>Total Working Capital after deduction of Consumer Security Deposit</b>	<b>(48.22)</b>	<b>(47.44)</b>	<b>(46.59)</b>
Interest Rate (%)	8.00%	8.00%	8.00%
<b>Interest on Working Capital</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 4.16 Non-Tariff Income

4.16.1 The Regulatory provisions for Non-Tariff Income have been stated below.

### "54 Non-Tariff Income

54.1 The amount of Non-Tariff Income relating to the Distribution Wires Business as approved by the Commission shall be deducted from the Aggregate Revenue Requirement in determining the wheeling charges of Distribution Wires Business of the Distribution Licensee:

Provided that the Distribution Licensee shall submit full details of its forecast of Non-Tariff Income to the Commission along with its application for determination of wheeling charges.

54.2 The Non-Tariff Income shall inter-alia include:

- a) Income from rent of land or buildings;
- b) Income from sale of scrap in excess of 10% of the salvage value;
- c) Income from statutory investments;
- d) Income from interest on contingency reserve investment;
- e) Interest on advances to suppliers/contractors;
- f) Rental from staff quarters;
- g) Rental from contractors;
- h) Income from hire charges from contactors and others;
- i) Income from advertisements, etc.;
- j) Miscellaneous receipts;

k) Excess found on physical verification;

l) Deferred Income from grant, subsidy, etc., as per Annual Accounts;

m) Prior period income, etc.:

*Provided that the interest/dividend earned from investments made out of Return on Equity corresponding to the Distribution Wires Business of the Distribution Licensee shall not be included in Non-Tariff Income."*

4.16.2 Due to unusual circumstances during FY 2020-21 and FY 2021-22 owing to prevailing covid-19, the Non-Tariff Income during each year of the Control Period has been considered at FY 2019-20 levels at Rs. 17.66 Crore.

#### 4.17 Aggregate Revenue Requirement for FY 2022-23 to FY 2024-25

4.17.1 The Net Revenue Requirement worked out for the Control Period based on the expenses discussed in the previous sections is summarised in the table below.

**Table 4-31: Aggregate Revenue Requirement for the FY 2022-23 to FY 2024-25 (in Rs. Crore)**

Sr. No.	Particulars	FY 2022-23	FY 2023-24	FY 2024-25
1	Cost of power purchase for full year	749.68	791.25	834.23
2	Employee costs	93.86	99.49	105.46
3	R&M expenses	13.89	14.84	15.53
4	Administration and General expenses	7.55	8.01	8.49
5	Depreciation	12.24	13.27	14.86
6	Interest and finance charges	0.44	1.01	2.36
7	Interest on working capital	-	-	-
8	Return on Equity	22.45	23.78	25.84
9	Provision for Bad Debt	0.00	0.00	0.00
10	Interest on Consumer Security Deposit	8.31	8.48	8.64
<b>11</b>	<b>Total Revenue Requirement</b>	<b>908.43</b>	<b>960.12</b>	<b>1015.40</b>
12	Less: Non-Tariff Income	17.66	17.66	17.66
<b>13</b>	<b>Net Revenue Requirement (11-12)</b>	<b>890.77</b>	<b>942.46</b>	<b>997.74</b>

#### 4.18 Revenue at Current Tariff for FY 2022-23

4.18.1 The estimated revenue for FY 2022-23 based on the projected sales of FY 2022-23 and approved tariff for FY 2021-22 is provided in the table below:

**Table 4-32: Approved and Estimated Revenue on Existing Tariff for FY 2022-23 (in Rs. Crore)**

Sr. No.	Category of Consumers	FY 2022-23 (Estimated)
A	Domestic – LT	328.74

Sr. No.	Category of Consumers	FY 2022-23 (Estimated)
B	Domestic - HT	13.03
C	Commercial - LT	139.29
D	Commercial - HT	154.09
E	Large Supply	72.01
F	Medium Supply	63.58
G	Small Power	8.84
H	Agriculture	0.37
I	Public Lighting	8.87
J	Bulk Supply	46.49
K	Others Temporary Supply	0.00
	<b>Total</b>	<b>835.29</b>

4.18.2 The revenue gap determined for the FY 2022-23 at the existing Tariff is amounts to Rs. 55.48 Crores and the Hon'ble Commission is requested to approve the same.

**Table 4-33: Revenue Gap at the Existing Tariff for FY 2022-23 (in Rs. Crore)**

Particulars	FY 2022-23
Net Revenue Requirement	890.77
Revenue from Existing Tariff	835.29
Revenue Gap/(Surplus) during the Year at the existing Tariff	55.48

#### **4.19 Net Gap/(Surplus) considering past year Impact**

4.19.1 The provision for calculating the carrying cost on the amount of the revenue gap is mentioned in the following clause of the MYT Regulation, 2021:

12.5

*... (c) Carrying Cost shall be allowed for a Generating Company, Transmission Licensee or Distribution Licensee on the amount of revenue gap for the period from the date on which such gap has become due, i.e., from the end of the Year for which true-up has been done, till the end of*

*the Year in which it is addressed, on the basis of actual rate of loan taken by the Licensee to fund the deficit in revenue:*

*Provided that Carrying Cost on the amount of revenue gap shall be allowed subject to prudence check and submission of documentary evidence for having incurred the carrying cost in the years prior to the year in which the revenue gap is addressed:*

*Provided also that if no loan has been taken to fund revenue deficit, the Commission shall allow Carrying Cost on simple interest basis at one (1) Year State Bank of India (SBI) MCLR /any replacement thereof as notified by RBI for the time being in effect applicable for 1 Year period, as may be, applicable as on 1<sup>st</sup> April of the relevant Year plus 100 basis points;*

*Provided further that in case of revenue surplus, the Commission shall charge the Licensee a Carrying Cost from the date on which such surplus has become due, i.e., from the end of the Year for which true-up has been done, till the end of the Year in which it is addressed on simple interest basis at one (1) Year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI for the time being in effect applicable for 1 Year period, as may be, applicable as on 1<sup>st</sup> April of the relevant Year plus 100 basis points."*

4.19.2 The Net (Gap)/Surplus considering the past year impact including the carrying cost is calculated as follows.

**Table 4-34: Net Gap/Surplus considering previous years impact (in Rs. Cr.)**

Sr. No.	Particulars	FY 2020-21	FY 2021-22	FY 2022-23
1	Opening (Gap)/Surplus for the Year	57.02	103.17	72.44
2	Addition during the Year	39.44	(37.48)	(55.48)
3	Add: Interest on (Gap)/Surplus of Previous Year	4.99	8.25	5.80
4	Add: Interest on (Gap)/Surplus of Current Year	1.73	(1.50)	(2.22)
5	Closing (Gap)/Surplus for the Year	103.17	72.44	20.54

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4.19.3 From the above calculation it is evident that the total cumulative Revenue Surplus for FY 2022-23 is estimated at Rs 20.54 Crore, hence EWEDC has proposed to keep the tariff for the consumer for the ensuing year same as previously approved Tariff.

## Chapter 5: Tariff Proposal for FY 2022-23

5.1.1 As submitted, EWEDC is not proposing any hike in consumer Tariff for FY 2022-23 vis-à-vis existing tariff and therefore proposes to continue the Tariff as approved by Hon'ble Commission for FY 2021-22 vide order dated 30<sup>th</sup> March 2021.

5.1.2 EWEDC prays the Hon'ble Commission to approve the Existing Tariff for FY 2022-23. The summary of the applicable Tariff for FY 2022-23 is as under:

**Table 5-1: Tariff Proposed for FY 2022-23**

Sr. No.	Category	Fixed Charge (Rs./kW/month)	Energy Charge (Rs./kWh)
<b>1.</b>	<b>Domestic Supply</b>		
<b>A</b>	<b>Domestic LT</b>		
1	0-150 Units	10.00	2.50
2	151-400 Units		4.25
3	401 and above units		4.65
<b>B</b>	<b>Domestic HT</b>		4.30
<b>2</b>	<b>Commercial</b>		
<b>A</b>	<b>Commercial LT</b>		
1	0-150 Units -Single Phase	INR. 20/kW/Month for Single Phase	4.50
2	151-400 Units - Single Phase		4.70
3	401 and above units - SP		5.00
1	0-150 Units - Three Phase	INR. 100/kW/Month for Three Phase	4.50
2	151-400 Units -Three Phase		4.70
3	401 and above units - Three Phase		5.00
<b>B</b>	<b>Commercial HT</b>	100.00	4.70
<b>3</b>	<b>Industry</b>		
1	Large Industry	200.00	4.50
2	Medium Industry	200.00	4.20
3	Small Industry	30.00	4.30
<b>4</b>	<b>Agriculture</b>	0.00	2.60
<b>5</b>	<b>Public Lighting</b>		
<b>A</b>	Public Lighting system managed by Municipal Corporation, Panchayat and Street Lights maintained / outsourced to an external agency	100.00	4.80
<b>B</b>	Advertisement/ Neon-sign Boards Advertisement boards, billboards (apart from advertisement boards installed on commercial establishments	100.00	6.40



Sr. No.	Category	Fixed Charge (Rs./kW/month)	Energy Charge (Rs./kWh)
	and charged under commercial tariff)		
<b>6</b>	<b>Bulk Supply</b>	200.00	4.40
<b>7</b>	<b>Temporary Supply</b>	Tariff 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 commercial category for permanent supply.	
<b>8</b>	<b>EV Charging Station</b>	0.00	3.60

## 5.2 Overdraw Penalty – kW Basis

5.2.1 It is submitted that Regulations 7.7 1 (iii) of JERC (Electricity Supply Code) 1<sup>st</sup> Amendments Regulations, 2013 specified as follows:

*"Excess load found shall be removed or regularized by asking consumer to pay additional security deposit, penalty for load found in excess of the sanctioned load at the rate of Rs. 250/kW and any other charges as applicable. Consumer shall not be booked for unauthorized use u/s 126 of Electricity Act. 2003"*

5.2.2 Subsequently, the above regulation was repealed and JER for the State of Goa and UTs (Electricity Supply Code) Regulations, 2018) was notified by Hon'ble Commission dated 26.11.2018 which specifies as follows:

Clause 7.29

*"The billing for excess load shall be made as approved by the Commission"*

5.2.3 Subsequently, Hon'ble Commission approved the modalities of billing in case of excess load in its Tariff Order dated 30.03.2021. The Petitioner would like apprise this Hon'ble Commission that the Tariff Order dated 30.03.2021 approved penalty amount as Rs. 250/kVA only for Large Industrial Power Supply (LS) category consumers on account of drawing more than contracted

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demand, for other categories no charge has been approved and same has been raised before Hon'ble Commission vide letter 9.12.2021.

5.2.4 The Petitioner requests Hon'ble Commission to approve penalty as Rs. per kW for consumers which are being billed on kW basis as per application format defined in JERC (Electricity Supply Code) Regulations, 2018 to avoid any undue benefit being availed by the consumer violating the limit of sanctioned load.

5.2.5 It is submitted that the Petitioner is in process of installing MDI based Energy Meters, the Petitioner further submits that Smart Grid Project Chandigarh City is planned. The Empowered Committee of NSGM chaired by Secretary Power in the 3rd meeting held on 31.07.2018 accorded approval for Smart Grid Project for Chandigarh at a cost of Rs.241.49 Cr. with 30% Grant (72.45 Cr.) from NSGM. Further, Ministry of Home Affairs, GoI vide letter No. U-13034/01/2019-CHD dated 18.03.2020 (F/A) approved (expenditure sanction 70% of total cost) the Smart Grid Project for Whole city Chandigarh. The first installment of Rs. 7.25 Cr. has been received from NSGM.

5.2.6 It is further submitted that all the necessary approvals for the project had been obtained. Further the approval for appointment of M/s EESL as implementing agency on nomination basis for the aforesaid project in consultancy with MoP, GoI is under process, so that the work can be started accordingly.

5.2.7 EWEDC therefore humbly requests to approve the penalty in Rs/kW for consumers being billed on kW basis as to avoid revenue loss on the account of excess load and in order to ensure reliable and safer operations of the Distribution System.

5.2.8 It is further prayed that all other charges including miscellaneous charges as approved in Order dated 30<sup>th</sup> March 2021 be also continued.

## Chapter 6: Open Access Charges for FY 2022-23

### 6.1 Allocation Matrix – Allocation of ARR into Wheeling and Retail Supply of Electricity

6.1.1 The allocation between wheeling and retail supply business for the FY 2022-23 as per the ARR proposed for FY 2022-23 is provided in the table as under:

**Table 6-1: Allocation of Proposed ARR between Wheeling and Retail Supply**

Particulars	ARR Projected for FY 2022-23 (Rs. Crore)	Allocation %		ARR Allocation for FY 2022-23 (Rs. Crore)	
		Wire Business	Retail Supply	Wire Business	Retail Supply
Power Purchase Expense	749.68	0%	100%	0	749.68
Employee Cost	93.86	40%	60%	37.54	56.32
A&G Expenses	7.55	50%	50%	3.78	3.78
R&M Expenses	13.89	90%	10%	12.5	1.39
Depreciation	12.24	90%	10%	11.02	1.22
Interest on Loan	0.44	90%	10%	0.39	0.04
Interest on Working Capital	0	10%	90%	0	0
Interest on Consumer Security Deposit	8.31	10%	90%	0.83	7.48
Return on Equity	22.45	90%	10%	20.2	2.24
Bad and Doubtful Debt	0	0%	100%	0	0
Income Tax	0	90%	10%	0	0
<b>Annual Revenue Requirement</b>	<b>908.43</b>			<b>86.27</b>	<b>822.16</b>
Less: Non-Tariff Income	17.66	10%	90%	1.77	15.89
<b>Net Revenue Requirement</b>	<b>890.77</b>			<b>84.5</b>	<b>806.27</b>

### 6.2 Voltage Wise Wheeling Charges

6.2.1 In order to determine voltage wise wheeling charges under LT and HT/EHT category, EWEDC has adopted the following approach as adopted by the Hon'ble Commission in its Order dated 30<sup>th</sup> March 2021.

- O&M Expenses consisting of Employee, A&G and R&M expenses have been allocated to each voltage level on the basis of number of consumers.

- All the expenses other than the O&M expenses have been allocated to each voltage level on the basis of voltage wise asset allocation.
- The resultant cost at HT/EHT voltage level is divided among LT and HT/EHT voltage levels on the basis of energy sales at respective voltage levels as the HT/EHT network is used by consumers at all voltage levels.
- The loss level of HT/EHT voltage has been considered as 3.95%, same as that approved in the MYT Order.

6.2.2 Based on the above outlined assumptions the Wheeling Charges worked out for FY 2022-23 is submitted as under:

**Table 6-2: Wheeling Charges Proposed for FY 2022-23**

Category	O&M Expenses (Rs. Crore)	Others (Rs. Crore)	Total (Rs. Crore)	Energy Sales (MU)	Wheeling Charges
LT Level	53.65	26.10	79.74	999.76	0.80
HT/EHT Level	0.18	4.58	4.76	595.79	0.08
<b>Total</b>	<b>53.83</b>	<b>30.68</b>	<b>84.50</b>	<b>1595.55</b>	

### 6.3 Additional Surcharge

6.3.1 In line with the provisions of Regulation 4.5(2) and 5.2(1)(b) of JERC (Connectivity and Open Access in Intra-State Transmission and Distribution) Regulations, 2017, EWEDC proposes the Additional Surcharge for FY 2022-23 as under:

**Table 6-3: Additional Surcharge Proposed for FY 2022-23**

Particulars	Amount (Rs. Crore)
Total Power Purchase Cost (Rs. Crore)	749.68
Fixed Cost Component excluding Transmission Charges (Rs. Crore)	218.16
Energy Sales (MU)	1595.55
<b>Additional Surcharge (Rs./kWh)</b>	<b>1.37</b>

### 6.4 Cross Subsidy Surcharge (CSS)

6.4.1 EWEDC has worked out voltage wise cost of supply based Cross Subsidy Surcharge for FY 2022-23. Following assumptions as also considered by the

Hon'ble Commission in its Order dated 30<sup>th</sup> March 2021 have been taken into account to work out the CSS for FY 2022-23:

- Voltage Wise losses at each voltage level have been assumed for LT & HT/EHT voltage categories. The remaining losses have been adjusted in the LT voltage level in order to maintain the Intra-State T&D losses at 13.06% as proposed for FY 2022-23. Voltage Level wise Input Energy has been worked out taking into account these losses and Energy Sales.
- The overall ARR proposed for FY 2022-23 has been divided into variable and fixed ARR with variable ARR comprising of variable power purchase cost and fixed ARR comprising of all the other costs.
- The fixed cost of power purchase has been assigned to each voltage level on the basis of energy input at respective voltage levels.
- The O&M expenses have been allocated to each voltage level on the basis of the number of consumers. The resultant cost allocated to HT/EHT level is then further allocated to LT level on the basis of input energy, as the HT/EHT network is utilized by both HT/EHT and LT network consumers.
- The remaining fixed costs has been allocated on the basis of voltage wise asset allocation assumed earlier and further allocated to respective voltage levels on the basis of input energy.
- The Variable component of the power purchase cost has been allocated on the basis of energy input. The Voltage wise cost of supply (VCoS) has been then determined on the basis of energy sales of respective categories.

6.4.2 Accordingly, based on the above assumptions the VCoS worked out for FY 2022-23 is summarised as under:

**Table 6-4: Voltage Wise Cost of Supply (VCoS)**

Category	Energy Sales (MU)	Fixed Cost (Rs. Crore)	Variable Cost (Rs. Crore.)	Total Cost (Rs. Crore)	VCoS (Rs./kWh)
LT	999.76	359.62	276.03	635.66	6.26
HT & EHT	595.79	114.19	140.92	255.12	4.45

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Total	<b>1595.55</b>	<b>473.82</b>	<b>416.96</b>	890.77	
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6.4.3 Based on the VCoS worked out under Para 6.4.2, the Cross Subsidy Surcharge determined for FY 2022-23 is summarised as under:

**Table 6-5: Proposed Cross Subsidy Surcharge for FY 2022-23**

Category	VCoS (Rs./kWh)	ABR (Rs./kWh)	CSS (Rs./kWh)
LT	6.26	4.91	
HT & EHT	4.45	5.78	1.32

## Chapter 7: Compliance to Directives

7.1.1 EWEDC would humbly like to submit that the Hon'ble Commission vide Order dated 30<sup>th</sup> March 2021 has issued a set of directives to be followed by EWEDC to comply with JERC MYT Regulation, 2018.

7.1.2 In this regard the Hon'ble Commission also directed EWEDC to compulsorily submit the detailed action plan for compliance of all the directives within 1 month of the issuance of the order dated 30<sup>th</sup> March 2021. Further the Hon'ble Commission directed EWEDC to submit quarterly progress report as per the detailed action plan for all the directives issued in the order dated 30<sup>th</sup> March 2021 within 10 days of the end of each quarter of the calendar year.

7.1.3 In view of the same the Petitioner vide Letter dated 08.11.2021 has submitted the status report on compliance to directives issued by Hon'ble Commission. The issue wise status report with regard to compliance to the directives issues is summarised as under:

### **7.1.3.1 Directive 9.1.2 - Metering/ Replacement of Non-Functional or Defective/ 11kv Meters**

The Smart Grid Project is under execution under the NSGM wherein the consumer meters under OP Sub Divn No. 5 along with Feeder and DT meter shall be replaced with the Smart Meter and approximately 12293 meters (up to 30.09.2021) have already been replaced in the area under S/Divn. No.5 with smart meters.

Further, Smart Grid project for Pan City is also sanctioned by MoP, GoI for the left out meters (not covered under Smart Grid project for OP Sub-division No.5) for which the scope of work is under revision and the revised sanction for the project is also awaited from NSGM.

**Action Plan:** The replacement of existing electronic/ defective meters with smart meters under the pilot project in Sub Division No.5 is expected to be completed by the Financial Year 2021-22 and remaining Non-Functional Or Defective/ 11KV meters shall be replaced under Pan city project.

#### **7.1.3.2 Directive 9.1.3 - Energy Audit**

The Energy Audit report for 2nd quarter of FY 2021-22, wherein the audit meters are installed under OP S/Divn No.5 is enclosed. The Smart Grid Project is started under the NSGM wherein all the meters along with Feeder and DT meter shall be replaced with the Smart Meter and approximately 12293 meters (up to 30.09.2021) have already been replaced with smart meters and SCADA Centre is also set up for online operation and monitoring of various activities. Also, the smart meter project for whole city is in pipeline wherein all the feeder and DT meter shall be replaced with smart meters so as to enable the energy audit report.

**Action Plan:** After the replacement of existing electronic/ defective meters with smart meters under the Smart Grid Project the Energy Audit of Electricity Wing of Engineering Department, UT, Chandigarh (EWEDC) shall be prepared.

#### **7.1.3.3 Directive 9.1.4 - Demand Side Management and Energy Conservation**

The UJALA scheme for distribution of LED bulb, LED tube light & energy efficient fan has been launched through M/S EESL in Chandigarh on 06<sup>th</sup> March 2017. So far during FY 2020-21, 17970 LED bulb, 392 LED tube light & 711 Energy Efficient Fan have been distributed under UJALA scheme and up to FY 2020-21 5,97,517 LED bulb, 58547 LED tube light & 16916 energy efficient fans have been distributed under UJALA scheme.

Further, 2433 LED bulbs, 66 LED tube light and 70 energy efficient fans have been distributed through this scheme during 2nd quarter of FY 2021-22 and 5098 LED bulb, 92 LED tube light and 208 energy efficient fans up to 2nd quarter FY 2021-22 have been distributed through this scheme. It is estimated



that this is leading to energy savings of more than 75932 MWh of energy with monetary savings of over 29 Crore.

Moreover, a tri-party agreement was signed on 25<sup>th</sup> Sep 2020 between Bureau of Energy efficiency, Electrical Inspectorate, Administration of UT, Chandigarh (SDA) and Electricity Department Chandigarh with the aim of providing essential support to DISCOM's for implementation of DSM measures under capacity building programme of DISCOM's. This programme involves various activities including establishment of DSM cell, manpower/consultancy support, capacity building of officials of DISCOMs and implementation of DSM action plan by the DISCOMs.

Under capacity building programme M/s BEE has appointed M/s PWC as the consultant in the matter. After conducting load survey and load research, M/s PWC has submitted a DSM action plan. Now M/s PWC has been asked to submit a detailed proposal for replacement of conventional fans with energy efficient ceiling fans for consumers of domestic and commercial category so that DSM measure and energy conservation be implemented accordingly.

#### **7.1.3.4 Directive 9.1.6 - Segregation of T&D Losses and Loss Reduction Trajectory**

Smart Grid project is under progress wherein all the meters including the Feeder/DT meters shall be replaced with smart meters which will enable for segregation of T&D losses and its reduction trajectory. It is further mentioned that the T&D loss of EWEDC are already reducing in last few years as per Tariff Order.

#### **7.1.3.5 Directive 9.1.7 - Assets Created from Consumer Contribution**

All the assets created from the consumer contribution are under compilation, however, the process is taking time and due to Pandemic the work could not be completed and shall take some more time. The Petitioner humbly prays to allow it the liberty to submit the same in the next tariff proceedings.

### **7.1.3.6 Directive 9.1.8 - Creation of SLDC**

Ministry of Power, Govt. of India had directed to privatize all the DISCOM's operational in UTs in India and the privatization work is under progress in UT Chandigarh also. Further, MoP vide its letter dated 08<sup>th</sup> October 2020 had advised that the STU and SLDC shall remain with UT Administration. The process of creation of SLDC along with organizational structure has been prepared and submitted to higher authorities for approval from the competent authority, which is under consideration and same be implemented accordingly. Meantime, access of BBMB web based SLDC monitoring system has been made through user ID and password wherein all the incoming Nodal Points can be easily monitor by Power Controller (PC) office of U.T. Chandigarh and data of respective CGS can also be made available in prescribed format as desired by the PC U.T. Chandigarh.

### **7.1.3.7 Directive 9.1.9 - Operational Safety and Policy for Accidents and Compensation**

The matter for training of employees of Electricity Wing of Engineering Department, UT, Chandigarh (EWEDC) is under discussion with the PSPCL Training Institute so that the training schedule may be planned and finalized. The compliance will be submitted accordingly. However, it is pertinent to mention that as per guidelines of MOP, the EWEDC is being privatized and thus the final approval regarding budgetary allocation for conducting training of the employees of EWEDC shall be accorded by the competent authority of Chandigarh Administration in view of decision of Privatization.

### **7.1.3.8 Directive 9.1.10 - Non-Achievement of Capitalization Target**

It is submitted that Capitalization of Rs. 18.08 Crore for FY 2020-21 has been achieved. Further, so far Capitalization of Rs. 0.7008 Crore for 1<sup>st</sup> quarter of FY 2021-22 has been achieved.

It is further submitted that due to COVID-19 lockdown was imposed by the Govt. of India which caused halting of various major works and resulted in non-achievement of capitalization for the financial year 2020-21 and 1st quarter of FY 2021-22. However, efforts are now being made to complete all

the project in time and achieve the Capitalization Target during the current financial year.

#### **7.1.3.9 Directive 9.1.11 - Monthly Billing for Domestic and Commercial/Non-Residential Category Consumers**

At present, more than 85% consumers (Domestic & Commercial) are billed on Bi-Monthly basis. The conversion of meter reading from Bi-Monthly to Monthly basis is slow due to acute shortage of staff. Further, the software is also required to be amended for Monthly billing.

**Action Plan:** The work for installation of smart meters under the NSGM is in progress, which will help for Monthly billing of all category of consumers including Domestic and Commercial category.

#### **7.1.3.10 Directive 9.1.12 - Determination of Category Wise/ Voltage Wise Cost of Supply**

The RFP for category wise cost of supply to start collecting category wise and voltage wise data on losses, connected load, assets allocation was under process. Meanwhile, the Smart Grid project under NSGM started wherein all the existing meters were to be replaced with smart meters which would help in collection of category wise and voltage wise accurate data for determination of cost of supply. Further, the work of appointment of consultant for working out category wise cost of supply to start collecting category wise and voltage wise data on losses, connected load, assets allocation is again initiated and case has been forwarded to higher authorities for accord of principal approval from competent authority and the study/report for the same shall be submitted along with the next tariff petition.

#### **7.1.3.11 Directive 9.1.13 - kVAh based Tariff**

The Smart Grid project in S/Divn. No.5 is under execution, wherein all the existing electronic meters under S/Divn. No.5 are being replaced with smart meters. So far 12293 smart meters (up to 30<sup>th</sup> Sep 2021) have already been installed. The SCADA centre has also been installed and various software are under testing.

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Further, Smart Grid project for Pan City is also sanctioned by MoP, GoI for the left out meters (not covered under Smart Grid project for OP Sub-division No.5) for which the scope of work is under revision and the revised sanction for the project is also awaited from Ministry of Power.

Accordingly, after installation of smart meters the kVAh based tariff will be proposed to Hon'ble Commission.

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7798/2022/Legal Section  
Form F2

<b>Annual Revenue Requirement</b>						
<b>As Per the MYT Regulations, 2021</b>						
<b>Distribution Business (₹ crore)</b>						
Sr. No.	Particulars	FY 2020-21	FY 2021-22	Control Period		
		Actual	Estimated	Projection		
				FY 2022-23	FY 2023-24	FY 2024-25
<b>A</b>	<b>Receipts</b>					
1	Revenue from Sale of Power	701.38	761.34	835.29	859.30	884.28
2	FPPCA Charges	0.65	-	-	-	-
3	Regulatory Surcharge	0.01	-	-	-	-
	<b>Total Receipts</b>	<b>702.04</b>	<b>761.34</b>	<b>835.29</b>	<b>859.30</b>	<b>884.28</b>
<b>B</b>	<b>Expenditure</b>					
1	Cost of Power Purchase from other Generating Stations	609.90	674.83	749.68	791.25	834.23
5	O&M Expenses (Gross)	94.35	99.23	115.31	122.34	129.48
	a) R&M Expenses	16.65	11.06	13.89	14.84	15.53
	b) Employee Cost	72.70	80.48	93.86	99.49	105.46
	c) A&G Expenses	5.00	7.69	7.55	8.01	8.49
6	Depreciation	11.00	11.49	12.24	13.27	14.86
7	Interest and Finance Charges	1.42	1.42	0.44	1.01	2.36
8	Interest on Working Capital	-	-	-	-	-
9	Prior Period Expenses					
	Interest on Consumer Security Deposit	3.78	8.16	8.31	8.48	8.64
10	<b>Extraordinary Items</b>					
11	Bad and Doubtful Debts	-	-	-	-	-
12	<b>Other Debts and Write-offs</b>					
13	<b>Statutory Levies and Taxes, if any</b>					
14	Less: Expenses Capitalised					
	a) Interest Charges Capitalized	-	-	-	-	-
	b) R&M Expenses Capitalized	-	-	-	-	-
	c) A&G Expenses Capitalized	-	-	-	-	-
	d) Employee Cost Capitalized	-	-	-	-	-
	<b>Sub Total (a+b+c+d)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Sub Total Expenditure (1 to 14-15)</b>	<b>720.44</b>	<b>795.12</b>	<b>885.99</b>	<b>936.34</b>	<b>989.57</b>
<b>C</b>	<b>Return on Equity</b>	20.85	21.47	22.45	23.78	25.84
<b>D</b>	Less: Non Tariff and other Income	78.69	17.77	17.66	17.66	17.66

7798/2022/Legal Section  
Form F2

<b>Annual Revenue Requirement</b>						
<b>As Per the MYT Regulations, 2021</b>						
<b>Distribution Business (₹ crore)</b>						
Sr. No.	Particulars	FY 2020-21	FY 2021-22	Control Period		
		Actual	Estimated	Projection		
				FY 2022-23	FY 2023-24	FY 2024-25
H	Annual Revenue Requirement (B+C-D-E)	662.61	798.83	890.77	942.46	997.74
I	Surplus(+) / Shortfall (-) (A-F) - Before Tariff Revision	39.44	(37.48)	(55.48)	(83.16)	(113.46)

## 7798/2022/Legal Section

Form F3

## Summary of Power Purchase from Own Stations and Other Sources for FY 2019-20

S. No	Source	Plant Capacity	Licensee's Firm Share	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
<b>A</b>	<b>Central Sector Power Stations (HYDRO)</b>	<b>11,010</b>	<b>243.11</b>	<b>1,432.47</b>	<b>3.98%</b>	<b>1,375.48</b>	<b>317.03</b>	<b>-</b>	<b>317.03</b>	<b>269.26</b>	<b>17.53</b>		<b>603.82</b>	<b>421.52</b>
<b>I</b>	<b>NTPC (HYDRO)</b>	<b>808</b>	<b>10.73</b>	<b>53.12</b>	<b>3.98%</b>	<b>51.01</b>	<b>13.87</b>	<b>239.31</b>	<b>13.87</b>	<b>12.71</b>	<b>-</b>		<b>26.58</b>	<b>500.46</b>
1	KOLDAM	800	10.64	52.92	3.98%	50.82	13.77	238.33	13.77	12.61	-		26.38	498.46
	SINGRAULI HYDRO	8	0.09	0.20	3.98%	0.19	0.11	504.00	0.11	0.10	-		0.20	1,038.69
<b>II</b>	<b>NHPC</b>	<b>4,215</b>	<b>69.97</b>	<b>343.34</b>	<b>3.98%</b>	<b>329.68</b>	<b>56.92</b>	<b>150.51</b>	<b>56.92</b>	<b>51.68</b>	<b>0.04</b>		<b>108.64</b>	<b>316.42</b>
3	DHULSATI	390	1.83	42.54	3.98%	40.85	12.41	263.85	12.41	11.22	0.00		23.64	555.59
4	PARBATI-III	520	9.15	15.84	3.98%	15.21	2.59	153.90	2.59	2.44	0.01		5.03	317.56
5	URI-II	240	5.46	29.12	3.98%	27.96	6.59	180.01	6.59	5.24	0.00		11.83	406.27
6	SEWA-II	120	1.00	14.96	3.98%	14.37	4.02	241.13	4.02	3.61	0.00		7.62	509.60
7	CHAMERA-III	231	4.07	24.02	3.98%	23.06	5.02	197.00	5.02	4.73	0.00		9.75	406.11
8	TANAKPUR	94	1.20	5.80	3.98%	5.57	1.01	159.42	1.01	0.93	0.00		1.94	334.36
9	DHAULIGANGA GANGA	280	5.94	30.99	3.98%	29.76	3.99	121.32	3.99	3.76	0.00		7.76	250.33
10	CHAMERA-I	540	21.06	102.50	3.98%	98.43	12.41	114.10	12.41	11.70	0.01		24.12	235.26
11	CHAMERA-II	300	2.01	32.63	3.98%	31.33	3.48	100.50	3.48	3.28	0.00		6.76	207.25
12	URI	480	8.54	20.53	3.98%	19.71	1.79	82.20	1.79	1.69	0.00		3.48	169.49
13	SALAL	690	7.18	10.30	3.98%	9.89	0.67	61.60	0.67	0.63	0.00		1.31	127.05
14	Kishan Ganqa	330	2.54	14.09	3.98%	13.53	2.94	173.92	2.94	2.45	0.00		5.40	383.01
<b>III</b>	<b>THDC</b>	<b>1,400</b>	<b>47.44</b>	<b>186.40</b>	<b>3.98%</b>	<b>178.98</b>	<b>41.59</b>	<b>225.73</b>	<b>41.59</b>	<b>42.08</b>	<b>0.03</b>		<b>83.70</b>	<b>449.04</b>
15	TEHRI	1,000	46.00	169.92	3.98%	163.16	37.55	225.52	37.55	38.32	0.03		75.90	446.66
16	KOTESHWAR	400	1.44	16.48	3.98%	15.82	4.05	227.93	4.05	3.76	0.00		7.80	473.57
<b>IV</b>	<b>SJVNL</b>	<b>1,912</b>	<b>16.80</b>	<b>138.42</b>	<b>3.98%</b>	<b>132.91</b>	<b>18.89</b>	<b>129.02</b>	<b>18.89</b>	<b>17.86</b>	<b>0.01</b>		<b>36.76</b>	<b>265.57</b>
17	RAMPUR	412	-	20.43	3.98%	19.61	4.64	190.01	4.64	3.88	0.00		8.53	417.45
18	NATHPA	1,500	16.80	118.00	3.98%	113.30	14.25	118.46	14.25	13.98	0.01		28.23	239.29
<b>V</b>	<b>BBMB</b>	<b>2,675</b>	<b>98.16</b>	<b>711.20</b>	<b>3.98%</b>	<b>682.90</b>	<b>185.76</b>	<b>203.79</b>	<b>185.76</b>	<b>144.94</b>	<b>17.45</b>		<b>348.14</b>	<b>489.51</b>
19	Bhakhra	1,325	48.63	600.18	3.98%	576.30	185.76	203.79	185.76	144.94	17.45		348.14	580.06
20	Dehar	990	36.33	91.50	3.98%	87.86	-	-	-	-	-		-	-
21	Pona	360	13.20	19.52	3.98%	18.74	-	-	-	-	-		-	-



## 7798/2022/Legal Section

Form F3

## Summary of Power Purchase from Own Stations and Other Sources for FY 2019-20

S. No	Source	Plant Capacity	Licensee's Firm Share	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore
<b>B</b>	<b>Central Sector Power Stations</b>	<b>15,742</b>	<b>172.26</b>	<b>548.54</b>	<b>3.98%</b>	<b>526.71</b>	<b>153.27</b>	<b>271.85</b>	<b>153.27</b>	<b>149.12</b>	<b>0.17</b>		<b>302.56</b>	<b>551.58</b>
<b>VI</b>	<b>APCPL THERMAL</b>	<b>1,500</b>	<b>2.25</b>	<b>20.96</b>	<b>3.98%</b>	<b>20.13</b>	<b>7.44</b>	<b>374.46</b>	<b>7.44</b>	<b>7.85</b>	<b>0.01</b>		<b>15.30</b>	<b>729.82</b>
22	JHAJJAR	1,500	2.25	20.96	3.98%	20.13	7.44	374.46	7.44	7.85	0.01		15.30	729.82
<b>VII</b>	<b>NTPC (THERMAL)</b>	<b>9,690</b>	<b>143.94</b>	<b>276.11</b>	<b>3.98%</b>	<b>265.12</b>	<b>56.53</b>	<b>198.25</b>	<b>56.53</b>	<b>54.74</b>	<b>-</b>		<b>111.27</b>	<b>403.00</b>
23	DADRI-II	980	-	3.45	3.98%	3.31	1.13	376.53	1.13	1.30	-		2.43	702.53
24	UNCHAHAAR-I	420	7.10	14.56	3.98%	13.98	4.93	339.73	4.93	4.95	-		9.88	678.32
25	UNCHAHAAR-II	420	7.85	18.64	3.98%	17.89	6.38	344.06	6.38	6.41	-		12.79	686.33
26	UNCHAHAAR-III	210	3.47	9.31	3.98%	8.94	3.16	341.16	3.16	3.18	-		6.33	680.08
27	UNCHAHAAR-IV	500	4.19	29.05	3.98%	27.89	9.29	321.92	9.29	9.35	-		18.64	641.73
28	KAHELGAON-II	1,500	20.40	21.62	3.98%	20.76	4.36	204.22	4.36	4.42	-		8.78	406.10
29	SINGRAULI	2,000	63.60	7.56	3.98%	7.26	1.18	127.69	1.18	0.97	-		2.14	283.22
30	RIHAND-III	1,000	16.75	45.86	3.98%	44.03	6.44	128.79	6.44	5.91	-		12.34	269.13
31	RIHAND-I	1,000	10.00	61.10	3.98%	58.67	8.78	134.84	8.78	8.24	-		17.02	278.61
32	RIHAND-II	1,000	8.00	53.46	3.98%	51.33	7.67	135.66	7.67	7.25	-		14.92	279.08
33	Tanda-II	660	2.59	11.49	3.98%	11.04	3.22	241.32	3.22	2.77	-		6.00	521.75
<b>VIII</b>	<b>MUNPL</b>	<b>1,320</b>	<b>3.04</b>	<b>8.73</b>	<b>3.98%</b>	<b>8.38</b>	<b>6.79</b>	<b>302.61</b>	<b>6.79</b>	<b>2.64</b>	<b>0.00</b>		<b>9.43</b>	<b>1,080.37</b>
34	MEJA-I	1,320	3.04	8.73	3.98%	8.38	6.79	302.61	6.79	2.64	0.00		9.43	1,080.37
<b>IX</b>	<b>NTPC (GAS)</b>	<b>1,912</b>	<b>15.02</b>	<b>38.79</b>	<b>3.98%</b>	<b>37.24</b>	<b>10.15</b>	<b>346.71</b>	<b>10.15</b>	<b>13.45</b>	<b>-</b>		<b>23.60</b>	<b>608.42</b>
35	DADRI G	830	5.06	27.35	3.98%	26.26	7.57	331.70	7.57	9.07	-		16.64	608.38
36	AURIYA G	663	4.97	7.82	3.98%	7.51	1.79	346.93	1.79	2.71	-		4.51	576.03
37	ANTA G	419	4.99	3.61	3.98%	3.47	0.79	459.81	0.79	1.66	-		2.45	678.88
<b>X</b>	<b>NPCIL</b>	<b>1,320</b>	<b>8.01</b>	<b>203.95</b>	<b>3.98%</b>	<b>195.84</b>	<b>72.36</b>	<b>345.40</b>	<b>72.36</b>	<b>70.45</b>	<b>0.16</b>		<b>142.96</b>	<b>700.96</b>
38	RAPS 5 & 6	440	2.99	95.43	3.98%	91.64	37.76	392.58	37.76	37.46	0.14		75.36	789.72
39	RAPS 3 & 4	440	-	19.09	3.98%	18.33	6.40	335.65	6.40	6.41	0.02		12.83	672.18
40	NAPS	440	5.02	89.43	3.98%	85.87	28.19	297.14	28.19	26.57	-		54.76	612.38

## 7798/2022/Legal Section

Form F3

## Summary of Power Purchase from Own Stations and Other Sources for FY 2019-20

S. No	Source	Plant Capacity	Licensee's Firm Share	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
C	RPO Obligation	87	21.42	8.44	3.98%	8.11	42.79	-	42.79	6.48	-	-	49.27	5,835.41
XI	SECI (WIND)	40	14.39	-	3.98%	-	34.27	-	34.27	-	-	-	34.27	-
41	Tranche-VI	40	14.39	-	3.98%	-	34.27	-	34.27	-	-	-	34.27	-
XII	Intra-Solar	47	7.02	8.44	3.98%	8.11	8.53	-	8.53	6.48	-	-	15.00	1,777.01
42	Crest, Pvt.solar & Net Solar	47	7.02	8.44	3.98%	8.11	8.53	767.17	8.53	6.48	-	-	15.00	1,777.01
XIII	Solar Short Term GTAM/GDAM/REC	-	-	-	3.98%	-	-	-	-	-	1.14	-	1.14	-
XIV	Non-Solar Short Term GTAM/GDAM/REC	-	-	-	3.98%	-	-	-	-	-	-	-	-	-
D	<b>SUB TOTAL</b>	<b>26,839</b>	<b>436.78</b>	<b>1,989.45</b>	<b>3.98%</b>	<b>1,910.30</b>	<b>513.09</b>	<b>-</b>	<b>513.09</b>	<b>424.86</b>	<b>18.84</b>	<b>-</b>	<b>956.79</b>	<b>480.93</b>
E	Short Tem Purchase/Sale	-	-	(147.64)	3.98%	(141.77)	(64.25)	-	(64.25)	-	-	-	(64.25)	435.14
	Short- Term Power Sale	-	-	212.95	3.98%	204.48	(64.25)	-	(64.25)	-	-	-	(64.25)	(301.70)
	Short- Term Power Purchase	-	-	65.31	3.98%	62.71	-	-	-	-	-	-	-	-
F	UI	-	-	40.19	3.98%	38.59	-	-	-	-	0.10	-	0.10	2.49
	UI Sales	-	-	51.69	3.98%	49.63	-	-	-	-	-	-	-	-
	UI Purchase	-	-	91.88	3.98%	88.23	-	-	-	-	-	-	-	-
G	Reactive Energy Charges	-	-	-	3.98%	-	-	-	-	-	0.27	-	0.27	-
H	OTHER CHARGES	-	-	-	3.98%	-	-	-	-	-	-	-	-	-
	PGCIL Charges and NRLDC Charges	-	-	-	3.98%	-	-	-	-	-	-	-	-	-
I	<b>Total</b>	<b>26,839</b>	<b>436.78</b>	<b>1,933.69</b>	<b>3.98%</b>	<b>1,856.76</b>	<b>448.85</b>	<b>-</b>	<b>448.85</b>	<b>424.86</b>	<b>19.21</b>	<b>-</b>	<b>892.91</b>	<b>461.77</b>

## 7798/2022/Legal Section

Form F3

## Summary of Power Purchase from Own Stations and Other Sources for FY 2020-21

S. No	Source	Plant Capacity	Licensee's Firm Share	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore
<b>A</b>	<b>Central Sector Power Stations (HYDRO)</b>	<b>11,010</b>	<b>243.11</b>	<b>1,300.40</b>	<b>3.95%</b>	<b>1,249.02</b>	<b>105.01</b>	<b>-</b>	<b>105.01</b>	<b>248.25</b>	<b>7.62</b>	<b>17.24</b>	<b>378.12</b>	<b>290.78</b>
<b>I</b>	<b>NTPC (HYDRO)</b>	<b>808</b>	<b>10.73</b>	<b>46.79</b>	<b>3.95%</b>	<b>44.94</b>	<b>11.77</b>	<b>239.31</b>	<b>11.77</b>	<b>11.35</b>	<b>0.05</b>	<b>-</b>	<b>23.16</b>	<b>495.09</b>
1	KOLDAM	800	10.64	46.56	3.95%	44.72	11.77	238.33	11.77	11.23	0.05	-	23.05	495.05
	SINGRAULI HYDRO	8	0.09	0.23	3.95%	0.22	0.00	504.00	0.00	0.11	-	-	0.12	504.00
<b>II</b>	<b>NHPC</b>	<b>4,215</b>	<b>69.97</b>	<b>272.26</b>	<b>3.95%</b>	<b>261.50</b>	<b>43.28</b>	<b>150.51</b>	<b>43.28</b>	<b>41.75</b>	<b>(2.98)</b>	<b>17.24</b>	<b>99.29</b>	<b>364.69</b>
3	DHULSATI	390	1.83	40.11	3.95%	38.53	9.32	263.85	9.32	10.11	(0.02)	5.55	19.41	483.81
4	PARBATI-III	520	9.15	12.72	3.95%	12.22	5.15	153.90	5.15	1.96	0.00	0.01	7.12	559.37
5	URI-II	240	5.46	19.41	3.95%	18.64	4.08	180.01	4.08	3.64	(0.10)	(0.64)	7.62	392.59
6	SEWA-II	120	1.00	8.11	3.95%	7.79	1.64	241.13	1.64	2.15	0.00	7.24	3.79	466.96
7	CHAMERA-III	231	4.07	19.78	3.95%	19.00	4.17	197.00	4.17	3.90	0.00	(0.60)	8.07	407.94
8	TANAKPUR	94	1.20	4.45	3.95%	4.27	1.01	159.42	1.01	0.73	0.00	(0.01)	1.74	390.87
9	DHAULIGANGA GANGA	280	5.94	24.65	3.95%	23.68	3.10	121.32	3.10	3.00	(0.01)	1.12	6.08	246.68
10	CHAMERA-I	540	21.06	87.19	3.95%	83.74	7.92	114.10	7.92	9.95	(0.01)	0.72	17.86	204.80
11	CHAMERA-II	300	2.01	14.35	3.95%	13.79	1.98	100.50	1.98	1.44	0.00	0.25	3.42	238.53
12	URI	480	8.54	17.81	3.95%	17.11	1.61	82.20	1.61	1.46	0.00	1.46	3.07	172.54
13	SALAL	690	7.18	9.25	3.95%	8.89	0.75	61.60	0.75	0.57	0.00	1.76	1.32	142.25
14	Kishan Ganqa	330	2.54	14.42	3.95%	13.85	2.57	173.92	2.57	2.84	(0.01)	0.40	5.40	374.57
<b>III</b>	<b>THDC</b>	<b>1,400</b>	<b>47.44</b>	<b>175.12</b>	<b>3.95%</b>	<b>168.20</b>	<b>35.77</b>	<b>225.73</b>	<b>35.77</b>	<b>35.01</b>	<b>(2.37)</b>	<b>-</b>	<b>68.41</b>	<b>390.62</b>
15	TEHRI	1,000	46.00	161.75	3.95%	155.36	32.55	225.52	32.55	32.03	(2.10)	-	62.48	386.26
16	KOTESHWAR	400	1.44	13.37	3.95%	12.84	3.22	227.93	3.22	2.98	(0.31)	-	5.89	440.41
<b>IV</b>	<b>SJVNL</b>	<b>1,912</b>	<b>16.80</b>	<b>119.62</b>	<b>3.95%</b>	<b>114.89</b>	<b>14.20</b>	<b>129.02</b>	<b>14.20</b>	<b>15.60</b>	<b>(0.71)</b>	<b>-</b>	<b>29.09</b>	<b>243.21</b>
17	RAMPUR	412	-	16.70	3.95%	16.04	3.38	190.01	3.38	3.52	0.06	-	6.96	416.74
18	NATHPA	1,500	16.80	102.92	3.95%	98.85	10.82	118.46	10.82	12.09	(0.77)	-	22.13	215.07
<b>V</b>	<b>BBMB</b>	<b>2,675</b>	<b>98.16</b>	<b>686.61</b>	<b>3.95%</b>	<b>659.48</b>	<b>-</b>	<b>203.79</b>	<b>-</b>	<b>144.54</b>	<b>13.63</b>	<b>-</b>	<b>158.17</b>	<b>230.36</b>
19	Bhakhra	1,325	48.63	580.76	3.95%	557.81	-	203.79	-	144.54	13.63	-	158.17	272.35
20	Dehar	990	36.33	81.08	3.95%	77.87	-	-	-	-	-	-	-	-
21	Pona	360	13.20	24.78	3.95%	23.80	-	-	-	-	-	-	-	-

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## Summary of Power Purchase from Own Stations and Other Sources for FY 2020-21

S. No	Source	Plant Capacity	Licensee's Firm Share	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
<b>B</b>	<b>Central Sector Power Stations</b>	<b>15,742</b>	<b>172.26</b>	<b>490.51</b>	<b>3.95%</b>	<b>471.13</b>	<b>69.26</b>	<b>271.85</b>	<b>69.26</b>	<b>120.01</b>	<b>2.39</b>	<b>0.31</b>	<b>191.96</b>	<b>391.35</b>
<b>VI</b>	<b>APCPL THERMAL</b>	<b>1,500</b>	<b>2.25</b>	<b>15.87</b>	<b>3.95%</b>	<b>15.24</b>	<b>9.71</b>	<b>374.46</b>	<b>9.71</b>	<b>5.13</b>	<b>(0.23)</b>		<b>14.61</b>	<b>920.27</b>
22	JHAJJAR	1,500	2.25	15.87	3.95%	15.24	9.71	374.46	9.71	5.13	(0.23)		14.61	920.27
<b>VII</b>	<b>NTPC (THERMAL)</b>	<b>9,690</b>	<b>143.94</b>	<b>263.15</b>	<b>3.95%</b>	<b>252.75</b>	<b>33.79</b>	<b>198.25</b>	<b>33.79</b>	<b>48.87</b>	<b>0.52</b>		<b>83.19</b>	<b>316.13</b>
23	DADRI-II	980	-	2.62	3.95%	2.52	0.87	376.53	0.87	0.85	0.37		2.09	797.86
24	UNCHAHAHAR-I	420	7.10	8.92	3.95%	8.57	1.57	339.73	1.57	2.69	0.63		4.89	548.24
25	UNCHAHAHAR-II	420	7.85	12.92	3.95%	12.41	2.30	344.06	2.30	3.93	0.48		6.71	519.18
26	UNCHAHAHAR-III	210	3.47	7.05	3.95%	6.78	1.11	341.16	1.11	2.14	0.47		3.72	527.61
27	UNCHAHAHAR-IV	500	4.19	22.20	3.95%	21.33	5.09	321.92	5.09	6.50	0.86		12.45	560.58
28	KAHELGAON-II	1,500	20.40	16.93	3.95%	16.26	1.89	204.22	1.89	3.58	0.07		5.54	327.51
29	SINGRAULI	2,000	63.60	9.30	3.95%	8.93	0.68	127.69	0.68	1.32	0.05		2.05	220.84
30	RIHAND-III	1,000	16.75	43.29	3.95%	41.58	6.47	128.79	6.47	5.85	0.06		12.38	286.07
31	RIHAND-I	1,000	10.00	58.70	3.95%	56.38	6.07	134.84	6.07	8.29	(0.29)		14.07	239.70
32	RIHAND-II	1,000	8.00	60.23	3.95%	57.85	4.36	135.66	4.36	8.41	(0.17)		12.60	209.24
33	Tanda-II	660	2.59	20.99	3.95%	20.16	3.37	241.32	3.37	5.31	1.15		9.84	468.73
<b>VIII</b>	<b>MUNPL</b>	<b>1,320</b>	<b>3.04</b>	<b>25.16</b>	<b>3.95%</b>	<b>24.17</b>	<b>8.93</b>	<b>302.61</b>	<b>8.93</b>	<b>6.49</b>	<b>(0.28)</b>		<b>15.14</b>	<b>601.88</b>
34	MEJA-I	1,320	3.04	25.16	3.95%	24.17	8.93	302.61	8.93	6.49	(0.28)		15.14	601.88
<b>IX</b>	<b>NTPC (GAS)</b>	<b>1,912</b>	<b>15.02</b>	<b>36.70</b>	<b>3.95%</b>	<b>35.25</b>	<b>16.82</b>	<b>346.71</b>	<b>16.82</b>	<b>9.65</b>	<b>1.76</b>		<b>28.24</b>	<b>769.41</b>
35	DADRI G	830	5.06	23.51	3.95%	22.58	6.14	331.70	6.14	6.20	0.42		12.76	542.70
36	AURIYA G	663	4.97	7.74	3.95%	7.44	5.70	346.93	5.70	2.03	1.29		9.02	1,165.09
37	ANTA G	419	4.99	5.45	3.95%	5.23	4.99	459.81	4.99	1.42	0.05		6.46	1,185.57
<b>X</b>	<b>NPCIL</b>	<b>1,320</b>	<b>8.01</b>	<b>149.63</b>	<b>3.95%</b>	<b>143.72</b>	<b>-</b>	<b>345.40</b>	<b>-</b>	<b>49.86</b>	<b>0.62</b>	<b>0.31</b>	<b>50.79</b>	<b>339.42</b>
38	RAPS 5 & 6	440	2.99	67.43	3.95%	64.77	-	392.58	-	25.14	0.38		25.52	378.51
39	RAPS 3 & 4	440	-	15.38	3.95%	14.77	-	335.65	-	4.86	0.20		5.06	329.04
40	NAPS	440	5.02	66.82	3.95%	64.18	-	297.14	-	19.85	0.04		19.89	297.74

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## Summary of Power Purchase from Own Stations and Other Sources for FY 2020-21

S. No	Source	Plant Capacity	Licensee's Firm Share	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
C	RPO Obligation	87	21.42	7.38	3.95%	7.09	-	-	-	5.70	-	-	5.70	773.12
XI	SECI (WIND)	40	14.39	-	3.95%	-	-	-	-	-	-	-	-	-
41	Tranche-VI	40	14.39	-	3.95%	-	-	-	-	-	-	-	-	-
XII	Intra-Solar	47	7.02	7.38	3.95%	7.09	-	-	-	5.70	-	-	5.70	773.12
42	Crest, Pvt.solar & Net Solar	47	7.02	7.38	3.95%	7.09	-	767.17	-	5.70	-	-	5.70	773.12
XIII	Solar Short Term GTAM/GDAM/REC	-	-	-	3.95%	-	-	-	-	-	-	-	-	-
XIV	Non-Solar Short Term GTAM/GDAM/REC	-	-	-	3.95%	-	-	-	-	-	-	-	-	-
D	<b>SUB TOTAL</b>	<b>26,839</b>	<b>436.78</b>	<b>1,798.29</b>	<b>3.95%</b>	<b>1,727.24</b>	<b>174.27</b>	<b>-</b>	<b>174.27</b>	<b>373.96</b>	<b>10.01</b>	<b>17.55</b>	<b>575.79</b>	<b>320.19</b>
E	<b>Short Tem Purchase/Sale</b>	<b>-</b>	<b>-</b>	<b>(216.92)</b>	<b>3.95%</b>	<b>(208.35)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	Short- Term Power Sale	-	-	261.65	3.95%	251.31	-	-	-	-	-	-	61.46	234.90
	Short- Term Power Purchase	-	-	44.73	3.95%	42.96	-	-	-	-	-	-	15.44	345.21
F	<b>UI</b>	<b>-</b>	<b>-</b>	<b>21.97</b>	<b>3.95%</b>	<b>21.10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	UI Sales	-	-	48.10	3.95%	46.20	-	-	-	-	-	-	11.93	248.01
	UI Purchase	-	-	70.07	3.95%	67.30	-	-	-	-	-	-	20.93	298.70
G	<b>Reactive Energy Charges</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3.95%</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
H	<b>OTHER CHARGES</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3.95%</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>71.13</b>	<b>-</b>
	PGCIL Charges and NRLDC Charges	-	-	-	3.95%	-	68.84	-	68.84	-	-	-	67.11	41.85
	NRLDC	-	-	-	-	-	-	-	-	-	-	-	0.13	-
	UI.NRPC Fund	-	-	-	-	-	-	-	-	-	-	-	0.08	-
	PSPCL/PSTCL Reactive Charges	-	-	-	-	-	-	-	-	-	-	-	0.04	-
	LC/JERC	-	-	-	-	-	-	-	-	-	-	-	3.13	-
	UPPPTCL Transmission Charges	-	-	-	-	-	-	-	-	-	-	-	0.64	-
	POSCO	-	-	-	-	-	-	-	-	-	-	-	-	-
I	<b>Total</b>	<b>26,839</b>	<b>436.78</b>	<b>1,603.33</b>	<b>3.95%</b>	<b>1,539.99</b>	<b>174.27</b>	<b>-</b>	<b>174.27</b>	<b>373.96</b>	<b>10.01</b>	<b>17.55</b>	<b>609.90</b>	<b>380.39</b>

## 7798/2022/Legal Section

Form F3

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

S. No	Source	Plant Capacity	Licensee's Firm Share	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
<b>A</b>	<b>Central Sector Power Stations (HYDRO)</b>	<b>11,010</b>	<b>243.11</b>	<b>1,432.47</b>	<b>-</b>	<b>1,374.74</b>	<b>118.13</b>	<b>-</b>	<b>118.13</b>	<b>298.83</b>	<b>10.22</b>		<b>427.18</b>	<b>298.22</b>
<b>I</b>	<b>NTPC (HYDRO)</b>	<b>808</b>	<b>10.73</b>	<b>53.12</b>	<b>-</b>	<b>50.98</b>	<b>14.59</b>	<b>-</b>	<b>14.59</b>	<b>13.08</b>	<b>-</b>		<b>27.67</b>	<b>520.87</b>
1	KOLDAM	800	10.64	52.92	4.03%	50.79	14.59	245.20	14.59	12.98	-		27.57	520.94
	SINGRAULI HYDRO	8	0.09	0.20	4.03%	0.19	-	504.00	-	0.10	-		0.10	504.00
<b>II</b>	<b>NHPC</b>	<b>4,215</b>	<b>69.97</b>	<b>343.34</b>	<b>4.03%</b>	<b>329.50</b>	<b>60.31</b>	<b>-</b>	<b>60.31</b>	<b>53.65</b>	<b>0.05</b>		<b>114.02</b>	<b>332.08</b>
3	DHULSATI	390	1.83	42.54	4.03%	40.83	13.78	274.90	13.78	11.69	0.01		25.48	598.98
4	PARBATI-III	520	9.15	15.84	4.03%	15.20	6.69	153.90	6.69	2.44	0.01		9.13	576.34
5	URI-II	240	5.46	29.12	4.03%	27.95	8.35	213.20	8.35	6.21	0.00		14.56	499.93
6	SEWA-II	120	1.00	14.96	4.03%	14.36	-	252.96	-	3.78	0.00		3.79	253.09
7	CHAMERA-III	231	4.07	24.02	4.03%	23.05	6.21	197.00	6.21	4.73	0.00		10.94	455.57
8	TANAKPUR	94	1.20	5.80	4.03%	5.57	0.91	164.80	0.91	0.96	0.00		1.86	321.19
9	DHAULIGANGA GANGA	280	5.94	30.99	4.03%	29.74	4.45	121.50	4.45	3.77	0.00		8.21	265.07
10	CHAMERA-I	540	21.06	102.50	4.03%	98.37	8.36	114.10	8.36	11.70	0.01		20.07	195.79
11	CHAMERA-II	300	2.01	32.63	4.03%	31.32	4.69	100.50	4.69	3.28	0.01		7.98	244.41
12	URI	480	8.54	20.53	4.03%	19.70	1.79	82.20	1.79	1.69	0.00		3.48	169.44
13	SALAL	690	7.18	10.30	4.03%	9.89	0.80	61.60	0.80	0.63	0.00		1.44	139.63
14	Kishan Ganqa	330	2.54	14.09	4.03%	13.52	4.30	196.90	4.30	2.77	0.00		7.07	502.13
<b>III</b>	<b>THDC</b>	<b>1,400</b>	<b>47.44</b>	<b>186.40</b>	<b>4.03%</b>	<b>178.89</b>	<b>22.15</b>	<b>-</b>	<b>22.15</b>	<b>39.21</b>	<b>0.01</b>		<b>61.38</b>	<b>329.28</b>
15	TEHRI	1,000	46.00	169.92	4.03%	163.07	19.69	208.30	19.69	35.39	0.01		55.10	324.26
16	KOTESHWAR	400	1.44	16.48	4.03%	15.81	2.46	231.40	2.46	3.81	0.00		6.28	381.00
<b>IV</b>	<b>SJVNL</b>	<b>1,912</b>	<b>16.80</b>	<b>138.42</b>	<b>4.03%</b>	<b>132.84</b>	<b>21.07</b>	<b>-</b>	<b>21.07</b>	<b>17.80</b>	<b>0.01</b>		<b>38.89</b>	<b>280.96</b>
17	RAMPUR	412	-	20.43	4.03%	19.60	5.55	214.29	5.55	4.38	0.00		9.93	486.17
18	NATHPA	1,500	16.80	118.00	4.03%	113.24	15.52	113.80	15.52	13.43	0.01		28.96	245.44
<b>V</b>	<b>BBMB</b>	<b>2,675</b>	<b>98.16</b>	<b>711.20</b>	<b>4.03%</b>	<b>682.54</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>175.09</b>	<b>10.14</b>		<b>185.23</b>	<b>260.45</b>
19	Bhakhra	1,325	48.63	600.18	4.03%	575.99	-	246.19	-	175.09	10.14		185.23	308.63
20	Dehar	990	36.33	91.50	4.03%	87.81	-	-	-	-	-		-	-
21	Pona	360	13.20	19.52	4.03%	18.73	-	-	-	-	-		-	-

## 7798/2022/Legal Section

Form F3

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

S. No	Source	Plant Capacity	Licensee's Firm Share	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore
<b>B</b>	<b>Central Sector Power Stations</b>	<b>15,742</b>	<b>172.26</b>	<b>564.97</b>	<b>4.03%</b>	<b>542.20</b>	<b>93.68</b>	<b>-</b>	<b>93.68</b>	<b>144.47</b>	<b>0.10</b>		<b>238.25</b>	<b>421.70</b>
<b>VI</b>	<b>APCPL THERMAL</b>	<b>1,500</b>	<b>2.25</b>	<b>20.96</b>	<b>4.03%</b>	<b>20.12</b>	<b>15.42</b>	<b>-</b>	<b>15.42</b>	<b>7.02</b>	<b>0.00</b>		<b>22.44</b>	<b>1,070.53</b>
22	JHAJJAR	1,500	2.25	20.96	4.03%	20.12	15.42	334.72	15.42	7.02	0.00		22.44	1,070.53
<b>VII</b>	<b>NTPC (THERMAL)</b>	<b>9,690</b>	<b>143.94</b>	<b>276.11</b>	<b>4.03%</b>	<b>264.98</b>	<b>35.97</b>	<b>-</b>	<b>35.97</b>	<b>53.29</b>	<b>-</b>		<b>89.26</b>	<b>323.26</b>
23	DADRI-II	980	-	3.45	4.03%	3.31	1.48	307.28	1.48	1.06	-		2.54	735.71
24	UNCHAHAHAR-I	420	7.10	14.56	4.03%	13.97	1.63	319.15	1.63	4.65	-		6.27	430.99
25	UNCHAHAHAR-II	420	7.85	18.64	4.03%	17.88	2.50	322.62	2.50	6.01	-		8.51	456.69
26	UNCHAHAHAR-III	210	3.47	9.31	4.03%	8.94	1.22	319.46	1.22	2.97	-		4.20	450.84
27	UNCHAHAHAR-IV	500	4.19	29.05	4.03%	27.88	5.44	301.45	5.44	8.76	-		14.20	488.87
28	KAHELGAON-II	1,500	20.40	21.62	4.03%	20.75	2.28	190.29	2.28	4.11	-		6.39	295.78
29	SINGRAULI	2,000	63.60	7.56	4.03%	7.26	1.18	146.61	1.18	1.11	-		2.29	302.73
30	RIHAND-III	1,000	16.75	45.86	4.03%	44.01	7.15	132.29	7.15	6.07	-		13.22	288.19
31	RIHAND-I	1,000	10.00	61.10	4.03%	58.64	6.58	135.51	6.58	8.28	-		14.86	243.18
32	RIHAND-II	1,000	8.00	53.46	4.03%	51.30	2.80	135.19	2.80	7.23	-		10.02	187.52
33	Tanda-II	660	2.59	11.49	4.03%	11.03	3.71	264.33	3.71	3.04	-		6.75	586.96
<b>VIII</b>	<b>MUNPL</b>	<b>1,320</b>	<b>3.04</b>	<b>25.16</b>	<b>4.03%</b>	<b>24.15</b>	<b>19.62</b>	<b>-</b>	<b>19.62</b>	<b>6.40</b>	<b>0.01</b>		<b>26.03</b>	<b>1,034.52</b>
34	MEJA-I	1,320	3.04	25.16	4.03%	24.15	19.62	254.29	19.62	6.40	0.01		26.03	1,034.52
<b>IX</b>	<b>NTPC (GAS)</b>	<b>1,912</b>	<b>15.02</b>	<b>38.79</b>	<b>4.03%</b>	<b>37.22</b>	<b>22.66</b>	<b>-</b>	<b>22.66</b>	<b>9.57</b>	<b>-</b>		<b>32.23</b>	<b>830.94</b>
35	DADRI G	830	5.06	27.35	4.03%	26.25	8.54	260.79	8.54	7.13	-		15.67	573.08
36	AURIYA G	663	4.97	7.82	4.03%	7.51	7.70	215.94	7.70	1.69	-		9.39	1,199.90
37	ANTA G	419	4.99	3.61	4.03%	3.47	6.42	206.50	6.42	0.75	-		7.17	1,983.69
<b>X</b>	<b>NPCIL</b>	<b>1,320</b>	<b>8.01</b>	<b>203.95</b>	<b>4.03%</b>	<b>195.73</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>68.20</b>	<b>0.09</b>		<b>68.29</b>	<b>334.84</b>
38	RAPS 5 & 6	440	2.99	95.43	4.03%	91.59	-	372.98	-	35.59	0.05		35.64	373.50
39	RAPS 3 & 4	440	-	19.09	4.03%	18.32	-	316.13	-	6.04	0.01		6.04	316.44
40	NAPS	440	5.02	89.43	4.03%	85.82	-	297.14	-	26.57	0.03		26.61	297.52

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

S. No	Source	Plant Capacity	Licensee's Firm Share	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
C	RPO Obligation	87	21.42	133.11	-	128.34	-	-	-	39.97	-	-	39.97	300.28
XI	SECI (WIND)	40	14.39	125.73	4.03%	120.66	-	-	-	34.27	-	-	34.27	272.53
41	Tranche-VI	40	14.39	125.73	4.03%	120.66	-	272.53	-	34.27	-	-	34.27	272.53
XII	Intra-Solar	47	7.02	7.38	-	7.68	-	-	-	5.70	-	-	5.70	773.12
42	Crest, Pvt.solar & Net Solar	47	7.02	7.38	4.11%	7.68	-	773.12	-	5.70	-	-	5.70	773.12
XIII	Solar Short Term GTAM/GDAM/REC	-	-	-	-	-	-	-	-	-	-	-	-	-
XIV	Non-Solar Short Term GTAM/GDAM/REC	-	-	-	-	-	-	-	-	-	-	-	-	-
D	<b>SUB TOTAL</b>	<b>26,839</b>	<b>436.78</b>	<b>2,130.55</b>	<b>-</b>	<b>2,045.29</b>	<b>211.81</b>	<b>-</b>	<b>211.81</b>	<b>483.27</b>	<b>10.32</b>	<b>-</b>	<b>705.40</b>	<b>331.09</b>
E	Short Tem Purchase/Sale	-	-	-	-	(337.99)	-	-	-	(119.31)	-	-	(119.31)	-
	Short- Term Power Sale	-	-	-	-	(337.99)	-	-	-	(119.31)	-	-	(119.31)	-
	Short- Term Power Purchase	-	-	-	-	-	-	-	-	-	-	-	-	-
F	UI	-	-	-	-	(69.94)	-	-	-	(12.47)	-	-	(12.47)	-
	UI Sales	-	-	-	-	92.64	-	-	-	(28.62)	-	-	28.62	-
	UI Purchase	-	-	-	-	40.19	-	-	-	16.15	-	-	16.15	-
G	Reactive Energy Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
H	OTHER CHARGES	-	-	-	-	-	-	-	-	-	-	-	-	-
	PGCIL Charges and NRLDC Charges	-	-	-	-	-	101.21	-	101.21	-	-	-	101.21	47.50
I	<b>Total</b>	<b>26,839</b>	<b>436.78</b>	<b>2,130.55</b>	<b>-</b>	<b>1,637.35</b>	<b>313.02</b>	<b>-</b>	<b>313.02</b>	<b>351.49</b>	<b>10.32</b>	<b>-</b>	<b>674.83</b>	<b>316.74</b>



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Form F3

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

S. No	Source	Plant Capacity	License e's Firm	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplement ary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paaise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore
<b>A</b>	<b>Central Sector Power Stations (HYDRO)</b>	<b>11,010</b>	<b>243.11</b>	<b>1,432.47</b>	<b>-</b>	<b>1,374.74</b>	<b>121.68</b>	<b>-</b>	<b>121.68</b>	<b>307.80</b>	<b>10.22</b>		<b>439.69</b>	<b>306.95</b>
<b>I</b>	<b>NTPC (HYDRO)</b>	<b>808</b>	<b>10.73</b>	<b>53.12</b>	<b>-</b>	<b>50.98</b>	<b>15.03</b>	<b>253.54</b>	<b>15.03</b>	<b>13.47</b>	<b>-</b>		<b>28.50</b>	<b>536.50</b>
1	KOLDAM	800	10.64	52.92	4.03%	50.79	15.03	252.56	15.03	13.37	-		28.40	536.56
	SINGRAULI HYDRO	8	0.09	0.20	4.03%	0.19	-	519.12	-	0.10	-		0.10	519.12
<b>II</b>	<b>NHPC</b>	<b>4,215</b>	<b>69.97</b>	<b>343.34</b>	<b>4.03%</b>	<b>329.50</b>	<b>62.12</b>	<b>160.95</b>	<b>62.12</b>	<b>55.26</b>	<b>0.05</b>		<b>117.43</b>	<b>342.04</b>
3	DHULSATI	390	1.83	42.54	4.03%	40.83	14.20	283.15	14.20	12.05	0.01		26.25	616.95
4	PARBATI-III	520	9.15	15.84	4.03%	15.20	6.89	158.52	6.89	2.51	0.01		9.40	593.62
5	URI-II	240	5.46	29.12	4.03%	27.95	8.60	219.60	8.60	6.40	0.00		15.00	514.93
6	SEWA-II	120	1.00	14.96	4.03%	14.36	-	260.55	-	3.90	0.00		3.90	260.68
7	CHAMERA-III	231	4.07	24.02	4.03%	23.05	6.39	202.91	6.39	4.87	0.00		11.27	469.23
8	TANAKPUR	94	1.20	5.80	4.03%	5.57	0.93	169.74	0.93	0.99	0.00		1.92	330.82
9	DHAULIGANGA GANGA	280	5.94	30.99	4.03%	29.74	4.58	125.14	4.58	3.88	0.00		8.46	273.02
10	CHAMERA-I	540	21.06	102.50	4.03%	98.37	8.61	117.52	8.61	12.05	0.01		20.67	201.66
11	CHAMERA-II	300	2.01	32.63	4.03%	31.32	4.83	103.52	4.83	3.38	0.01		8.21	251.74
12	URI	480	8.54	20.53	4.03%	19.70	1.84	84.67	1.84	1.74	0.00		3.58	174.52
13	SALAL	690	7.18	10.30	4.03%	9.89	0.83	63.45	0.83	0.65	0.00		1.48	143.81
14	Kishan Ganga	330	2.54	14.09	4.03%	13.52	4.43	202.81	4.43	2.86	0.00		7.29	517.19
<b>III</b>	<b>THDC</b>	<b>1,400</b>	<b>47.44</b>	<b>186.40</b>	<b>4.03%</b>	<b>178.89</b>	<b>22.82</b>	<b>216.65</b>	<b>22.82</b>	<b>40.38</b>	<b>0.01</b>		<b>63.22</b>	<b>339.15</b>
15	TEHRI	1,000	46.00	169.92	4.03%	163.07	20.28	214.55	20.28	36.46	0.01		56.75	333.99
16	KOTESHWAR	400	1.44	16.48	4.03%	15.81	2.54	238.34	2.54	3.93	0.00		6.47	392.43
<b>IV</b>	<b>SJVNL</b>	<b>1,912</b>	<b>16.80</b>	<b>138.42</b>	<b>4.03%</b>	<b>132.84</b>	<b>21.71</b>	<b>132.49</b>	<b>21.71</b>	<b>18.34</b>	<b>0.01</b>		<b>40.06</b>	<b>289.39</b>
17	RAMPUR	412	-	20.43	4.03%	19.60	5.72	220.72	5.72	4.51	0.00		10.23	500.75
18	NATHPA	1,500	16.80	118.00	4.03%	113.24	15.99	117.21	15.99	13.83	0.01		29.83	252.80
<b>V</b>	<b>BBMB</b>	<b>2,675</b>	<b>98.16</b>	<b>711.20</b>	<b>4.03%</b>	<b>682.54</b>	<b>-</b>	<b>253.58</b>	<b>-</b>	<b>180.35</b>	<b>10.14</b>		<b>190.49</b>	<b>267.84</b>
19	Bhakhra	1,325	48.63	600.18	4.03%	575.99	-	253.58	-	180.35	10.14		190.49	317.38
20	Dehar	990	36.33	91.50	4.03%	87.81	-	-	-	-	-		-	-
21	Pona	360	13.20	19.52	4.03%	18.73	-	-	-	-	-		-	-

## 7798/2022/Legal Section

Form F3

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

S. No	Source	Plant Capacity	License e's Firm	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplement ary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore
<b>B</b>	<b>Central Sector Power Stations</b>	<b>15,742</b>	<b>172.26</b>	<b>564.97</b>	<b>4.03%</b>	<b>542.20</b>	<b>96.49</b>	<b>263.39</b>	<b>96.49</b>	<b>148.81</b>	<b>0.10</b>		<b>245.39</b>	<b>434.35</b>
<b>VI</b>	<b>APCPL THERMAL</b>	<b>1,500</b>	<b>2.25</b>	<b>20.96</b>	<b>4.03%</b>	<b>20.12</b>	<b>15.88</b>	<b>344.76</b>	<b>15.88</b>	<b>7.23</b>	<b>0.00</b>		<b>23.11</b>	<b>1,102.64</b>
22	JHAJJAR	1,500	2.25	20.96	4.03%	20.12	15.88	344.76	15.88	7.23	0.00		23.11	1,102.64
<b>VII</b>	<b>NTPC (THERMAL)</b>	<b>9,690</b>	<b>143.94</b>	<b>276.11</b>	<b>4.03%</b>	<b>264.98</b>	<b>37.05</b>	<b>198.78</b>	<b>37.05</b>	<b>54.89</b>	<b>-</b>		<b>91.93</b>	<b>332.96</b>
23	DADRI-II	980	-	3.45	4.03%	3.31	1.52	316.50	1.52	1.09	-		2.62	757.79
24	UNCHAHAHAR-I	420	7.10	14.56	4.03%	13.97	1.68	328.73	1.68	4.79	-		6.46	443.92
25	UNCHAHAHAR-II	420	7.85	18.64	4.03%	17.88	2.57	332.30	2.57	6.19	-		8.77	470.39
26	UNCHAHAHAR-III	210	3.47	9.31	4.03%	8.94	1.26	329.05	1.26	3.06	-		4.32	464.37
27	UNCHAHAHAR-IV	500	4.19	29.05	4.03%	27.88	5.61	310.50	5.61	9.02	-		14.63	503.53
28	KAHELGAON-II	1,500	20.40	21.62	4.03%	20.75	2.35	196.00	2.35	4.24	-		6.59	304.65
29	SINGRAULI	2,000	63.60	7.56	4.03%	7.26	1.22	151.00	1.22	1.14	-		2.36	311.82
30	RIHAND-III	1,000	16.75	45.86	4.03%	44.01	7.36	136.26	7.36	6.25	-		13.61	296.84
31	RIHAND-I	1,000	10.00	61.10	4.03%	58.64	6.78	139.58	6.78	8.53	-		15.30	250.47
32	RIHAND-II	1,000	8.00	53.46	4.03%	51.30	2.88	139.25	2.88	7.44	-		10.33	193.15
33	Tanda-II	660	2.59	11.49	4.03%	11.03	3.82	272.26	3.82	3.13	-		6.95	604.57
<b>VIII</b>	<b>MUNPL</b>	<b>1,320</b>	<b>3.04</b>	<b>25.16</b>	<b>4.03%</b>	<b>24.15</b>	<b>20.21</b>	<b>261.92</b>	<b>20.21</b>	<b>6.59</b>	<b>0.01</b>		<b>26.81</b>	<b>1,065.55</b>
34	MEJA-I	1,320	3.04	25.16	4.03%	24.15	20.21	261.92	20.21	6.59	0.01		26.81	1,065.55
<b>IX</b>	<b>NTPC (GAS)</b>	<b>1,912</b>	<b>15.02</b>	<b>38.79</b>	<b>4.03%</b>	<b>37.22</b>	<b>23.34</b>	<b>254.09</b>	<b>23.34</b>	<b>9.86</b>	<b>-</b>		<b>33.20</b>	<b>855.86</b>
35	DADRI G	830	5.06	27.35	4.03%	26.25	8.80	268.62	8.80	7.35	-		16.14	590.27
36	AURIYA G	663	4.97	7.82	4.03%	7.51	7.93	222.42	7.93	1.74	-		9.67	1,235.90
37	ANTA G	419	4.99	3.61	4.03%	3.47	6.61	212.69	6.61	0.77	-		7.38	2,043.20
<b>X</b>	<b>NPCIL</b>	<b>1,320</b>	<b>8.01</b>	<b>203.95</b>	<b>4.03%</b>	<b>195.73</b>	<b>-</b>	<b>344.44</b>	<b>-</b>	<b>70.25</b>	<b>0.09</b>		<b>70.34</b>	<b>344.88</b>
38	RAPS 5 & 6	440	2.99	95.43	4.03%	91.59	-	384.17	-	36.66	0.05		36.71	384.69
39	RAPS 3 & 4	440	-	19.09	4.03%	18.32	-	325.61	-	6.22	0.01		6.22	325.92
40	NAPS	440	5.02	89.43	4.03%	85.82	-	306.05	-	27.37	0.03		27.40	306.44

## 7798/2022/Legal Section

Form F3

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

S. No	Source	Plant Capacity	Licensee's Firm	Energy Sent out (Scheduled)	External Losses (%)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paaise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	paaise/unit
C	RPO Obligation	87	21.42	133.11	-	130.26	-	1,045.66	-	41.68	-	-	41.68	313.15
XI	SECI (WIND)	40	14.39	125.73	4.03%	120.66	-	272.53	-	34.27	-	-	34.27	272.53
41	Tranche-VI	40	14.39	125.73	4.03%	120.66	-	272.53	-	34.27	-	-	34.27	272.53
XII	Intra-Solar	47	7.02	7.38	-	9.59	-	773.12	-	7.42	-	-	7.42	1,005.24
42	Crest, Pvt.solar & Net Solar	47	7.02	7.38	24.89%	9.59	-	773.12	-	7.42	-	-	7.42	1,005.24
XIII	Solar Short Term GTAM/GDAM/REC	-	-	-	-	-	-	4.64	-	-	-	-	-	-
XIV	Non-Solar Short Term GTAM/GDAM/REC	-	-	-	-	-	-	-	-	-	-	-	-	-
D	<b>SUB TOTAL</b>	<b>26,839</b>	<b>436.78</b>	<b>2,130.55</b>	<b>-</b>	<b>2,047.20</b>	<b>218.16</b>	<b>3,471.50</b>	<b>218.16</b>	<b>498.29</b>	<b>10.32</b>	<b>-</b>	<b>726.77</b>	<b>341.12</b>
E	Short Tem Purchase/Sale	-	-	-	-	(230.39)	-	-	-	(81.33)	-	-	(81.33)	-
	Short- Term Power Sale	-	-	-	-	(230.39)	-	3.53	-	(81.33)	-	-	(81.33)	-
	Short- Term Power Purchase	-	-	-	-	-	-	3.45	-	-	-	-	-	-
F	UI	-	-	-	-	-	-	-	-	-	-	-	-	-
	UI Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
	UI Purchase	-	-	-	-	-	-	-	-	-	-	-	-	-
G	Reactive Energy Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
H	OTHER CHARGES	-	-	-	-	-	-	-	-	-	-	-	-	-
	PGCIL Charges and NRLDC Charges	-	-	-	-	-	104.24	-	104.24	-	-	-	104.24	48.93
I	<b>Total</b>	<b>26,839</b>	<b>436.78</b>	<b>2,130.55</b>	<b>-</b>	<b>1,816.80</b>	<b>322.41</b>	<b>-</b>	<b>322.41</b>	<b>416.96</b>	<b>10.32</b>	<b>-</b>	<b>749.68</b>	<b>351.87</b>

## 7798/2022/Legal Section

Form F3

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

S. No	Source	Plant Capacity	License e's Firm	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplement ary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	paise/unit
<b>A</b>	<b>Central Sector Power Stations (HYDRO)</b>	<b>11,010</b>	<b>243.11</b>	<b>1,432.47</b>	<b>-</b>	<b>1,374.74</b>	<b>125.33</b>	<b>-</b>	<b>125.33</b>	<b>317.03</b>	<b>10.22</b>		<b>452.58</b>	<b>315.94</b>
<b>I</b>	<b>NTPC (HYDRO)</b>	<b>808</b>	<b>10.73</b>	<b>53.12</b>	<b>-</b>	<b>50.98</b>	<b>15.48</b>	<b>261.15</b>	<b>15.48</b>	<b>13.87</b>	<b>-</b>		<b>29.35</b>	<b>552.59</b>
1	KOLDAM	800	10.64	52.92	4.03%	50.79	15.48	260.13	15.48	13.77	-		29.25	552.66
	SINGRAULI HYDRO	8	0.09	0.20	4.03%	0.19	-	534.69	-	0.11	-		0.11	534.69
<b>II</b>	<b>NHPC</b>	<b>4,215</b>	<b>69.97</b>	<b>343.34</b>	<b>4.03%</b>	<b>329.50</b>	<b>63.99</b>	<b>165.78</b>	<b>63.99</b>	<b>56.92</b>	<b>0.05</b>		<b>120.96</b>	<b>352.30</b>
3	DHULSATI	390	1.83	42.54	4.03%	40.83	14.62	291.64	14.62	12.41	0.01		27.03	635.45
4	PARBATI-III	520	9.15	15.84	4.03%	15.20	7.09	163.27	7.09	2.59	0.01		9.69	611.41
5	URI-II	240	5.46	29.12	4.03%	27.95	8.86	226.18	8.86	6.59	0.00		15.45	530.37
6	SEWA-II	120	1.00	14.96	4.03%	14.36	-	268.37	-	4.02	0.00		4.02	268.50
7	CHAMERA-III	231	4.07	24.02	4.03%	23.05	6.58	209.00	6.58	5.02	0.00		11.61	483.31
8	TANAKPUR	94	1.20	5.80	4.03%	5.57	0.96	174.84	0.96	1.01	0.00		1.98	340.74
9	DHAULIGANGA GANGA	280	5.94	30.99	4.03%	29.74	4.72	128.90	4.72	3.99	0.00		8.71	281.21
10	CHAMERA-I	540	21.06	102.50	4.03%	98.37	8.87	121.05	8.87	12.41	0.01		21.29	207.71
11	CHAMERA-II	300	2.01	32.63	4.03%	31.32	4.98	106.62	4.98	3.48	0.01		8.46	259.29
12	URI	480	8.54	20.53	4.03%	19.70	1.90	87.21	1.90	1.79	0.00		3.69	179.75
13	SALAL	690	7.18	10.30	4.03%	9.89	0.85	65.35	0.85	0.67	0.00		1.53	148.12
14	Kishan Ganga	330	2.54	14.09	4.03%	13.52	4.56	208.89	4.56	2.94	0.00		7.50	532.70
<b>III</b>	<b>THDC</b>	<b>1,400</b>	<b>47.44</b>	<b>186.40</b>	<b>4.03%</b>	<b>178.89</b>	<b>23.50</b>	<b>223.15</b>	<b>23.50</b>	<b>41.59</b>	<b>0.01</b>		<b>65.11</b>	<b>349.32</b>
15	TEHRI	1,000	46.00	169.92	4.03%	163.07	20.89	220.99	20.89	37.55	0.01		58.45	344.00
16	KOTESHWAR	400	1.44	16.48	4.03%	15.81	2.61	245.49	2.61	4.05	0.00		6.66	404.20
<b>IV</b>	<b>SJVNL</b>	<b>1,912</b>	<b>16.80</b>	<b>138.42</b>	<b>4.03%</b>	<b>132.84</b>	<b>22.36</b>	<b>136.46</b>	<b>22.36</b>	<b>18.89</b>	<b>0.01</b>		<b>41.26</b>	<b>298.07</b>
17	RAMPUR	412	-	20.43	4.03%	19.60	5.89	227.35	5.89	4.64	0.00		10.53	515.77
18	NATHPA	1,500	16.80	118.00	4.03%	113.24	16.47	120.73	16.47	14.25	0.01		30.72	260.38
<b>V</b>	<b>BBMB</b>	<b>2,675</b>	<b>98.16</b>	<b>711.20</b>	<b>4.03%</b>	<b>682.54</b>	<b>-</b>	<b>261.19</b>	<b>-</b>	<b>185.76</b>	<b>10.14</b>		<b>195.90</b>	<b>275.45</b>
19	Bhakhra	1,325	48.63	600.18	4.03%	575.99	-	261.19	-	185.76	10.14		195.90	326.40
20	Dehar	990	36.33	91.50	4.03%	87.81	-	-	-	-	-		-	-
21	Pona	360	13.20	19.52	4.03%	18.73	-	-	-	-	-		-	-

## 7798/2022/Legal Section

Form F3

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

S. No	Source	Plant Capacity	License e's Firm	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplement ary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paaise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore
<b>B</b>	<b>Central Sector Power Stations</b>	<b>15,742</b>	<b>172.26</b>	<b>564.97</b>	<b>4.03%</b>	<b>542.20</b>	<b>99.38</b>	<b>271.29</b>	<b>99.38</b>	<b>153.27</b>	<b>0.10</b>		<b>252.75</b>	<b>447.37</b>
<b>VI</b>	<b>APCPL THERMAL</b>	<b>1,500</b>	<b>2.25</b>	<b>20.96</b>	<b>4.03%</b>	<b>20.12</b>	<b>16.36</b>	<b>355.10</b>	<b>16.36</b>	<b>7.44</b>	<b>0.00</b>		<b>23.81</b>	<b>1,135.72</b>
22	JHAJJAR	1,500	2.25	20.96	4.03%	20.12	16.36	355.10	16.36	7.44	0.00		23.81	1,135.72
<b>VII</b>	<b>NTPC (THERMAL)</b>	<b>9,690</b>	<b>143.94</b>	<b>276.11</b>	<b>4.03%</b>	<b>264.98</b>	<b>38.16</b>	<b>204.75</b>	<b>38.16</b>	<b>56.53</b>	<b>-</b>		<b>94.69</b>	<b>342.95</b>
23	DADRI-II	980	-	3.45	4.03%	3.31	1.57	326.00	1.57	1.13	-		2.69	780.52
24	UNCHAHAHAR-I	420	7.10	14.56	4.03%	13.97	1.73	338.59	1.73	4.93	-		6.66	457.24
25	UNCHAHAHAR-II	420	7.85	18.64	4.03%	17.88	2.65	342.27	2.65	6.38	-		9.03	484.50
26	UNCHAHAHAR-III	210	3.47	9.31	4.03%	8.94	1.30	338.92	1.30	3.16	-		4.45	478.30
27	UNCHAHAHAR-IV	500	4.19	29.05	4.03%	27.88	5.78	319.81	5.78	9.29	-		15.07	518.64
28	KAHELGAON-II	1,500	20.40	21.62	4.03%	20.75	2.42	201.88	2.42	4.36	-		6.78	313.79
29	SINGRAULI	2,000	63.60	7.56	4.03%	7.26	1.25	155.53	1.25	1.18	-		2.43	321.17
30	RIHAND-III	1,000	16.75	45.86	4.03%	44.01	7.59	140.35	7.59	6.44	-		14.02	305.74
31	RIHAND-I	1,000	10.00	61.10	4.03%	58.64	6.98	143.77	6.98	8.78	-		15.76	257.99
32	RIHAND-II	1,000	8.00	53.46	4.03%	51.30	2.97	143.42	2.97	7.67	-		10.64	198.94
33	Tanda-II	660	2.59	11.49	4.03%	11.03	3.93	280.43	3.93	3.22	-		7.16	622.71
<b>VIII</b>	<b>MUNPL</b>	<b>1,320</b>	<b>3.04</b>	<b>25.16</b>	<b>4.03%</b>	<b>24.15</b>	<b>20.82</b>	<b>269.78</b>	<b>20.82</b>	<b>6.79</b>	<b>0.01</b>		<b>27.61</b>	<b>1,097.50</b>
34	MEJA-I	1,320	3.04	25.16	4.03%	24.15	20.82	269.78	20.82	6.79	0.01		27.61	1,097.50
<b>IX</b>	<b>NTPC (GAS)</b>	<b>1,912</b>	<b>15.02</b>	<b>38.79</b>	<b>4.03%</b>	<b>37.22</b>	<b>24.04</b>	<b>261.71</b>	<b>24.04</b>	<b>10.15</b>	<b>-</b>		<b>34.19</b>	<b>881.54</b>
35	DADRI G	830	5.06	27.35	4.03%	26.25	9.06	276.68	9.06	7.57	-		16.63	607.98
36	AURIYA G	663	4.97	7.82	4.03%	7.51	8.17	229.10	8.17	1.79	-		9.96	1,272.98
37	ANTA G	419	4.99	3.61	4.03%	3.47	6.81	219.08	6.81	0.79	-		7.60	2,104.49
<b>X</b>	<b>NPCIL</b>	<b>1,320</b>	<b>8.01</b>	<b>203.95</b>	<b>4.03%</b>	<b>195.73</b>	<b>-</b>	<b>354.77</b>	<b>-</b>	<b>72.36</b>	<b>0.09</b>		<b>72.45</b>	<b>355.21</b>
38	RAPS 5 & 6	440	2.99	95.43	4.03%	91.59	-	395.69	-	37.76	0.05		37.81	396.21
39	RAPS 3 & 4	440	-	19.09	4.03%	18.32	-	335.38	-	6.40	0.01		6.41	335.69
40	NAPS	440	5.02	89.43	4.03%	85.82	-	315.24	-	28.19	0.03		28.22	315.62

## 7798/2022/Legal Section

Form F3

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

S. No	Source	Plant Capacity	License e's Firm	Energy Sent out (Scheduled)	External Losses( %)	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplement ary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	paaise/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore
C	RPO Obligation	87	21.42	133.11	-	131.69	-	1,045.66	-	42.79	-	-	42.79	321.48
XI	SECI (WIND)	40	14.39	125.73	4.03%	120.66	-	272.53	-	34.27	-	-	34.27	272.53
41	Tranche-VI	40	14.39	125.73	4.03%	120.66	-	272.53	-	34.27	-	-	34.27	272.53
XII	Intra-Solar	47	7.02	7.38	-	11.03	-	773.12	-	8.53	-	-	8.53	1,155.49
42	Crest, Pvt.solar & Net Solar	47	7.02	7.38	14.95%	11.03	-	773.12	-	8.53	-	-	8.53	1,155.49
XIII	Solar Short Term GTAM/GDAM/REC	-	-	-	-	-	-	4.64	-	-	-	-	-	-
XIV	Non-Solar Short Term GTAM/GDAM/REC	-	-	-	-	-	-	-	-	-	-	-	-	-
D	<b>SUB TOTAL</b>	<b>26,839</b>	<b>436.78</b>	<b>2,130.55</b>	<b>-</b>	<b>2,048.63</b>	<b>224.71</b>	<b>3,544.14</b>	<b>224.71</b>	<b>513.09</b>	<b>10.32</b>	<b>-</b>	<b>748.12</b>	<b>351.14</b>
E	<b>Short Tem Purchase/Sale</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(182.00)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(64.25)</b>	<b>-</b>	<b>-</b>	<b>(64.25)</b>	<b>-</b>
	Short- Term Power Sale	-	-	-	-	(182.00)	-	3.53	-	(64.25)	-	-	(64.25)	-
	Short- Term Power Purchase	-	-	-	-	-	-	3.45	-	-	-	-	-	-
F	<b>UI</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	UI Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
	UI Purchase	-	-	-	-	-	-	-	-	-	-	-	-	-
G	<b>Reactive Energy Charges</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
H	<b>OTHER CHARGES</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	PGCIL Charges and NRLDC Charges	-	-	-	-	-	107.37	-	107.37	-	-	-	107.37	50.40
I	<b>Total</b>	<b>26,839</b>	<b>436.78</b>	<b>2,130.55</b>	<b>-</b>	<b>1,866.63</b>	<b>332.08</b>	<b>-</b>	<b>332.08</b>	<b>448.85</b>	<b>10.32</b>	<b>-</b>	<b>791.25</b>	<b>371.38</b>

## 7798/2022/Legal Section

Form F3

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

S. No	Source	Plant Capacity	License e's	Energy Sent out (Scheduled)	External Losses	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	₹/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹/unit
<b>A</b>	<b>Central Sector Power Stations (HYDRO)</b>	<b>11,010</b>	<b>243.11</b>	<b>1,432.47</b>	<b>-</b>	<b>1,374.74</b>	<b>129.09</b>	<b>-</b>	<b>129.09</b>	<b>326.54</b>	<b>10.22</b>		<b>465.85</b>	<b>325.21</b>
<b>I</b>	<b>NTPC (HYDRO)</b>	<b>808</b>	<b>10.73</b>	<b>53.12</b>	<b>-</b>	<b>50.98</b>	<b>15.95</b>	<b>268.98</b>	<b>15.95</b>	<b>14.29</b>	<b>-</b>		<b>30.23</b>	<b>569.17</b>
1	KOLDAM	800	10.64	52.92	4.03%	50.79	15.95	267.94	15.95	14.18	-		30.13	569.24
	SINGRAULI HYDRO	8	0.09	0.20	4.03%	0.19	-	550.73	-	0.11	-		0.11	550.73
<b>II</b>	<b>NHPC</b>	<b>4,215</b>	<b>69.97</b>	<b>343.34</b>	<b>4.03%</b>	<b>329.50</b>	<b>65.90</b>	<b>170.76</b>	<b>65.90</b>	<b>58.63</b>	<b>0.05</b>		<b>124.58</b>	<b>362.86</b>
3	DHULSATI	390	1.83	42.54	4.03%	40.83	15.06	300.39	15.06	12.78	0.01		27.84	654.51
4	PARBATI-III	520	9.15	15.84	4.03%	15.20	7.31	168.17	7.31	2.66	0.01		9.98	629.74
5	URI-II	240	5.46	29.12	4.03%	27.95	9.12	232.97	9.12	6.78	0.00		15.91	546.28
6	SEWA-II	120	1.00	14.96	4.03%	14.36	-	276.42	-	4.14	0.00		4.14	276.55
7	CHAMERA-III	231	4.07	24.02	4.03%	23.05	6.78	215.27	6.78	5.17	0.00		11.96	497.80
8	TANAKPUR	94	1.20	5.80	4.03%	5.57	0.99	180.08	0.99	1.05	0.00		2.04	350.96
9	DHAULIGANGA GANGA	280	5.94	30.99	4.03%	29.74	4.86	132.77	4.86	4.11	0.00		8.98	289.64
10	CHAMERA-I	540	21.06	102.50	4.03%	98.37	9.14	124.68	9.14	12.78	0.01		21.93	213.93
11	CHAMERA-II	300	2.01	32.63	4.03%	31.32	5.13	109.82	5.13	3.58	0.01		8.71	267.06
12	URI	480	8.54	20.53	4.03%	19.70	1.95	89.82	1.95	1.84	0.00		3.80	185.14
13	SALAL	690	7.18	10.30	4.03%	9.89	0.88	67.31	0.88	0.69	0.00		1.57	152.56
14	Kishan Ganqa	330	2.54	14.09	4.03%	13.52	4.69	215.16	4.69	3.03	0.00		7.73	548.67
<b>III</b>	<b>THDC</b>	<b>1,400</b>	<b>47.44</b>	<b>186.40</b>	<b>4.03%</b>	<b>178.89</b>	<b>24.21</b>	<b>229.85</b>	<b>24.21</b>	<b>42.84</b>	<b>0.01</b>		<b>67.07</b>	<b>359.80</b>
15	TEHRI	1,000	46.00	169.92	4.03%	163.07	21.52	227.62	21.52	38.68	0.01		60.21	354.32
16	KOTESHWAR	400	1.44	16.48	4.03%	15.81	2.69	252.86	2.69	4.17	0.00		6.86	416.33
<b>IV</b>	<b>SJVNL</b>	<b>1,912</b>	<b>16.80</b>	<b>138.42</b>	<b>4.03%</b>	<b>132.84</b>	<b>23.03</b>	<b>140.56</b>	<b>23.03</b>	<b>19.46</b>	<b>0.01</b>		<b>42.50</b>	<b>307.00</b>
17	RAMPUR	412	-	20.43	4.03%	19.60	6.07	234.17	6.07	4.78	0.00		10.85	531.24
18	NATHPA	1,500	16.80	118.00	4.03%	113.24	16.96	124.35	16.96	14.67	0.01		31.65	268.19
<b>V</b>	<b>BBMB</b>	<b>2,675</b>	<b>98.16</b>	<b>711.20</b>	<b>4.03%</b>	<b>682.54</b>	<b>-</b>	<b>269.02</b>	<b>-</b>	<b>191.33</b>	<b>10.14</b>		<b>201.47</b>	<b>283.28</b>
19	Bhakhra	1,325	48.63	600.18	4.03%	575.99	-	269.02	-	191.33	10.14		201.47	335.68
20	Dehar	990	36.33	91.50	4.03%	87.81	-	-	-	-	-		-	-
21	Pong	360	13.20	19.52	4.03%	18.73	-	-	-	-	-		-	-

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Form F3

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

S. No	Source	Plant Capacity	License e's	Energy Sent out (Scheduled)	External Losses	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	₹/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹/unit
<b>B</b>	<b>Central Sector Power Stations</b>	<b>15,742</b>	<b>172.26</b>	<b>564.97</b>	<b>4.03%</b>	<b>542.20</b>	<b>102.36</b>	<b>279.43</b>	<b>102.36</b>	<b>157.87</b>	<b>0.10</b>		<b>260.33</b>	<b>460.79</b>
<b>VI</b>	<b>APCPL THERMAL</b>	<b>1,500</b>	<b>2.25</b>	<b>20.96</b>	<b>4.03%</b>	<b>20.12</b>	<b>16.85</b>	<b>365.76</b>	<b>16.85</b>	<b>7.67</b>	<b>0.00</b>		<b>24.52</b>	<b>1,169.78</b>
22	JHAJJAR	1,500	2.25	20.96	4.03%	20.12	16.85	365.76	16.85	7.67	0.00		24.52	1,169.78
<b>VII</b>	<b>NTPC (THERMAL)</b>	<b>9,690</b>	<b>143.94</b>	<b>276.11</b>	<b>4.03%</b>	<b>264.98</b>	<b>39.30</b>	<b>210.89</b>	<b>39.30</b>	<b>58.23</b>	<b>-</b>		<b>97.53</b>	<b>353.24</b>
23	DADRI-II	980	-	3.45	4.03%	3.31	1.62	335.78	1.62	1.16	-		2.78	803.93
24	UNCHAHAR-I	420	7.10	14.56	4.03%	13.97	1.78	348.75	1.78	5.08	-		6.86	470.95
25	UNCHAHAR-II	420	7.85	18.64	4.03%	17.88	2.73	352.54	2.73	6.57	-		9.30	499.04
26	UNCHAHAR-III	210	3.47	9.31	4.03%	8.94	1.34	349.09	1.34	3.25	-		4.59	492.65
27	UNCHAHAR-IV	500	4.19	29.05	4.03%	27.88	5.95	329.40	5.95	9.57	-		15.52	534.20
28	KAHELGAON-II	1,500	20.40	21.62	4.03%	20.75	2.49	207.94	2.49	4.50	-		6.99	323.21
29	SINGRAULI	2,000	63.60	7.56	4.03%	7.26	1.29	160.20	1.29	1.21	-		2.50	330.81
30	RIHAND-III	1,000	16.75	45.86	4.03%	44.01	7.81	144.56	7.81	6.63	-		14.44	314.92
31	RIHAND-I	1,000	10.00	61.10	4.03%	58.64	7.19	148.08	7.19	9.05	-		16.24	265.73
32	RIHAND-II	1,000	8.00	53.46	4.03%	51.30	3.06	147.73	3.06	7.90	-		10.95	204.91
33	Tanda-II	660	2.59	11.49	4.03%	11.03	4.05	288.84	4.05	3.32	-		7.37	641.39
<b>VIII</b>	<b>MUNPL</b>	<b>1,320</b>	<b>3.04</b>	<b>25.16</b>	<b>4.03%</b>	<b>24.15</b>	<b>21.44</b>	<b>277.87</b>	<b>21.44</b>	<b>6.99</b>	<b>0.01</b>		<b>28.44</b>	<b>1,130.42</b>
34	MEJA-I	1,320	3.04	25.16	4.03%	24.15	21.44	277.87	21.44	6.99	0.01		28.44	1,130.42
<b>IX</b>	<b>NTPC (GAS)</b>	<b>1,912</b>	<b>15.02</b>	<b>38.79</b>	<b>4.03%</b>	<b>37.22</b>	<b>24.76</b>	<b>269.56</b>	<b>24.76</b>	<b>10.46</b>	<b>-</b>		<b>35.22</b>	<b>907.99</b>
35	DADRI G	830	5.06	27.35	4.03%	26.25	9.33	284.98	9.33	7.79	-		17.13	626.22
36	AURIYA G	663	4.97	7.82	4.03%	7.51	8.41	235.97	8.41	1.85	-		10.26	1,311.17
37	ANTA G	419	4.99	3.61	4.03%	3.47	7.02	225.65	7.02	0.82	-		7.83	2,167.63
<b>X</b>	<b>NPCL</b>	<b>1,320</b>	<b>8.01</b>	<b>203.95</b>	<b>4.03%</b>	<b>195.73</b>	<b>-</b>	<b>365.41</b>	<b>-</b>	<b>74.53</b>	<b>0.09</b>		<b>74.62</b>	<b>365.85</b>
38	RAPS 5 & 6	440	2.99	95.43	4.03%	91.59	-	407.57	-	38.89	0.05		38.94	408.08
39	RAPS 3 & 4	440	-	19.09	4.03%	18.32	-	345.44	-	6.60	0.01		6.60	345.75
40	NAPS	440	5.02	89.43	4.03%	85.82	-	324.69	-	29.04	0.03		29.07	325.08



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Form F3

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

S. No	Source	Plant Capacity	License e's	Energy Sent out (Scheduled)	External Losses	Energy Received by the Licensee	Annual Fixed Cost (AFC)	Variable Charges	Fixed Cost (FC)	Variable Cost (VC)	Other Charges	Supplementary Charges	Total Cost	Per Unit Cost
		MW	MW	MU	%	MU	₹ crore	₹/unit	₹ crore	₹ crore	₹ crore	₹ crore	₹ crore	₹/unit
C	RPO Obligation	87	21.42	133.11	-	133.12	-	1,045.66	-	43.90	-	-	43.90	329.81
XI	SECI (WIND)	40	14.39	125.73	4.03%	120.66	-	272.53	-	34.27	-	-	34.27	272.53
41	Tranche-VI	40	14.39	125.73	4.03%	120.66	-	272.53	-	34.27	-	-	34.27	272.53
XII	Intra-Solar	47	7.02	7.38	-	12.46	-	773.12	-	9.63	-	-	9.63	1,305.75
42	Crest, Pvt.solar & Net Solar	47	7.02	7.38	13.00%	12.46	-	773.12	-	9.63	-	-	9.63	1,305.75
XIII	Solar Short Term GTAM/GDAM/REC	-	-	-	-	-	-	4.64	-	-	-	-	-	-
XIV	Non-Solar Short Term GTAM/GDAM/REC	-	-	-	-	-	-	-	-	-	-	-	-	-
D	SUB TOTAL	26,839	436.78	2,130.55	-	2,050.07	231.45	3,618.95	231.45	528.31	10.32	-	770.08	361.45
E	Short Tem Purchase/Sale	-	-	-	-	(131.55)	-	-	-	(46.44)	-	-	(46.44)	-
	Short- Term Power Sale	-	-	-	-	(131.55)	-	3.53	-	(46.44)	-	-	(46.44)	-
	Short- Term Power Purchase	-	-	-	-	-	-	3.45	-	-	-	-	-	-
F	UI	-	-	-	-	-	-	-	-	-	-	-	-	-
	UI Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
	UI Purchase	-	-	-	-	-	-	-	-	-	-	-	-	-
G	Reactive Energy Charges	-	-	-	-	-	-	-	-	-	-	-	-	-
H	OTHER CHARGES	-	-	-	-	-	-	-	-	-	-	-	-	-
	PGCIL Charges and NRLDC Charges	-	-	-	-	-	110.59	-	110.59	-	-	-	110.59	51.91
I	Total	26,839	436.78	2,130.55	-	1,918.51	342.04	-	342.04	481.87	10.32	-	834.23	391.56

Sales, Consumers & Connected Load

A) Sales

S.No.	Category	Sales (MU)							
		Previous Year				Current Year	Control Period		
		Actual	Actual	Actual	Actual	Estimated	Projection		
		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Domestic (LT + HT)	731.94	704.67	759.21	689.74	702.80	759.21	796.10	834.78
2	Non-Domestic (LT+ HT)	494.02	472.98	484.49	331.17	414.26	484.49	491.76	499.13
3	Large Supply	119.85	125.15	123.76	109.11	108.81	123.76	125.12	126.49
4	Medium Supply	119.33	116.40	106.38	101.65	99.51	106.38	106.38	106.38
5	Small Power	19.50	18.87	18.43	16.26	16.28	18.43	18.43	18.43
6	Agriculture	1.43	1.36	1.41	1.36	1.21	1.41	1.45	1.49
7	Public Lighting	17.73	15.09	14.78	12.21	14.21	14.78	14.78	14.78
8	Bulk Supply	80.60	77.31	82.88	77.18	78.79	82.88	84.87	86.91
9	Others Temporary Supply	4.40	3.93	4.20	3.41	4.14	4.20	4.20	4.20
	<b>Grand Total</b>	<b>1,588.80</b>	<b>1,535.77</b>	<b>1,595.55</b>	<b>1,342.08</b>	<b>1,440.02</b>	<b>1,595.55</b>	<b>1,643.08</b>	<b>1,692.58</b>

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Form F5Sales, Consumers & Connected Load

## B) Number of Consumers

S.No.	Category	No. of Consumers (No.s)							
		Previous Year				Current Year	Control Period		
		Actual	Actual	Actual	Actual	Estimated	Projection		
		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Domestic (LT + HT)	2,12,499	1,94,558	1,97,594	1,98,306	2,01,490	2,04,724	2,08,011	2,11,350
2	Non-Domestic (LT+ HT)	25,942	24,603	25,775	26,175	27,323	28,521	29,772	31,078
3	Large Supply	97	127	98	95	95	95	95	95
4	Medium Supply	1,305	1,394	1,270	1,443	1,443	1,443	1,443	1,443
5	Small Power	1,281	1,418	1,311	1,460	1,476	1,492	1,508	1,525
6	Agriculture	124	122	122	120	121	122	123	124
7	Public Lighting	1,168	1,217	1,308	1,411	1,493	1,580	1,672	1,770
8	Bulk Supply	637	587	560	531	531	531	531	531
9	Others Temporary Supply	386	357	413	448	448	448	448	448
	<b>Grand Total</b>	<b>2,43,439</b>	<b>2,24,383</b>	<b>2,28,451</b>	<b>2,29,989</b>	<b>2,34,420</b>	<b>2,38,957</b>	<b>2,43,603</b>	<b>2,48,363</b>

Sales, Consumers & Connected Load

C) Connected Load

S.No.	Category	Connected Load (MW)							
		Previous Year				Current Year	Control Period		
		Actual	Actual	Actual	Actual	Estimated	Projection		
		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Domestic (LT + HT)	909.07	896.69	903.47	910.33	940.92	972.55	1,005.23	1,039.02
2	Non-Domestic (LT+ HT)	446.01	454.58	453.29	491.66	512.40	534.02	556.55	580.04
3	Large Supply	69.43	69.23	68.64	67.98	67.98	67.98	67.98	67.98
4	Medium Supply	72.36	76.55	69.57	78.76	78.76	78.76	78.76	78.76
5	Small Power	19.72	22.32	21.37	23.70	24.49	25.31	26.15	27.03
6	Agriculture	0.84	0.83	0.83	0.85	0.88	0.92	0.95	0.99
7	Public Lighting	6.76	4.91	4.58	4.70	4.81	4.93	5.05	5.18
8	Bulk Supply	42.25	42.05	41.65	41.67	41.71	41.75	41.78	41.82
9	Others Temporary Supply	2.19	32.53	2.59	2.14	2.14	2.14	2.14	2.14
	<b>Grand Total</b>	<b>1568.63</b>	<b>1599.69</b>	<b>1566.00</b>	<b>1621.78</b>	<b>1674.10</b>	<b>1728.35</b>	<b>1784.61</b>	<b>1842.94820</b>

**Energy Balance ( Availability Vs Requirement)**

Sr. No.	Particulars	FY 2020-21	FY 2021-22	Control Period		
		Actuals	Estimated	FY 2022-23	FY 2023-24	FY 2024-25
<b>A)</b>	<b>ENERGY REQUIREMENT</b>					
1	Energy sales to metered category within the State	1,342.08	1,440.02	1,595.55	1,643.08	1,692.58
2	Total sales within the State	<b>1,342.08</b>	<b>1,440.02</b>	<b>1,595.55</b>	<b>1,643.08</b>	<b>1,692.58</b>
3	Distribution Losses (MU)	<b>215.09</b>	<b>221.15</b>	<b>239.74</b>	<b>241.47</b>	<b>243.19</b>
4	Distribution Losses (%)	<b>13.81%</b>	<b>13.31%</b>	<b>13.06%</b>	<b>12.81%</b>	<b>12.56%</b>
5	Energy required at Discom Periphery	<b>1,557.18</b>	<b>1,661.17</b>	<b>1,835.30</b>	<b>1,884.55</b>	<b>1,935.77</b>
6	Intra-State Transmission Losses	-	-	-	-	-
9	<b>Total Energy Requirement at DISCOM Periphery</b>	<b>1,557.18</b>	<b>1,661.17</b>	<b>1,835.30</b>	<b>1,884.55</b>	<b>1,935.77</b>
<b>B)</b>	<b>ENERGY AVAILABILITY</b>					
1	Availability from firm sources outside state	1,790.91	2,123.17	2,123.17	2,123.17	2,123.17
2	Availability from UI Over-drawal/ Under-drawal	21.95	(69.94)	-	-	-
3	Net Purchase from open market	(216.92)	(337.99)	(230.39)	(182.00)	(131.55)
5	<b>Total Availability of Energy from outside the state</b>	1,595.94	1,715.24	1,892.77	1,941.17	1,991.61
6	<b>PGCIL Losses - MUs</b>	63.75	69.43	76.67	78.67	80.76
7	<b>PGCIL Losses - %</b>	3.95%	4.03%	4.03%	4.03%	4.03%
8	<b>Total Availability of Energy at State Periphery from outside state after Interstate Losses</b>	1549.80	1653.48	1825.70	1873.52	1923.31
9	Availability from firm sources inside the state	7.38	7.68	9.59	11.03	12.46
10	<b>Total Availability of Energy for the State</b>	<b>1,557.18</b>	<b>1,661.17</b>	<b>1,835.30</b>	<b>1,884.55</b>	<b>1,935.77</b>
11	<b>Surplus / (Deficit)</b>	0.00	-	-	-	-

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Form F7

All Figures are in Rs  
CrYear-wise Capital Expenditure (FY 2021-22)

Project Details	
Name of scheme	FY 2021-22 Estimated
<b>Capex during FY 2021-22</b>	
<b>11 kV Existing</b>	
System Augmentation & Strengthening	
GSC SUB DIVN. NO.1	0.14
GSC, ELECTY. SUB DIVN. NO.2	0.14
GSC SUB DIVN. NO.4	0.15
GSC OP 9	0.05
GSC OP 10	0.05
AUG OF 100 KVA P/M T/F TO 315 KVA P/M S/STN TO RELEASE THE ELECTY CONNECTION TO NEWLY CONSTRUCTED GOVT. M. HIGH SCHOOL SEC-12 CHD ( IBM NO W1/2019/17844)	0.00
TENDER NO. OP1/35/2019-20 FOR STRENGTHENING THE INDOOR SUBSTATION SECTOR 16B, 16D AND 5B BY REPLACING THE EXISTING LTOCB WITH LT ACBs CHANDIGARH	0.09
TENDER NO. OP1/16/19-20 FOR STRENGTHENING THE INDOOR SUBSTATION SECTOR 22A, 22D, 23C,24C, CHD	0.09
Tender No. OP-1/12/2020-21 for shifting & Conversion of various 11 KV O/H Feeders passing adjoining / near the Commercial belt of Sector-7, 9 11 & 26 Madhya Marg, Chandigarh in to 11 KV U/G XLPE Cable of size 300 sq. mm including the augmentation of existing 200/300 KVA P/M T/F's with 630 KVA CSS remove the probability of calamity, breakdowns and to strengthen the LD System under the jurisdiction of Electy. OP S/Divn. No. 2, Chandigarh	2.93
CONVERSION OF EXISTING OVERHEAD HT/LT LINES INTO UNDERGROUND SYSTEM AND REPLACEMENT/AUGMENTATION OF EQUIPMENTS OF 11KV I/D SUBSTATION, INCLUDING STREET LIGHT SYSTEM IN SECTOR 8, CHANDIGARH UNDER ELECTY OP SUB DIVN NO. 2 CHANDIGARH (TRNFER TO ELECTRICAL DEPT)	1.58
Road cut for the work of CONVERSION OF EXISTING OVERHEAD HT/LT LINES INTO UNDERGROUND SYSTEM AND REPLACEMENT/AUGMENTATION OF EQUIPMENTS OF 11KV I/D SUBSTATION, INCLUDING STREET LIGHT SYSTEM IN SECTOR 8, CHANDIGARH UNDER ELECTY OP SUB DIVN NO. 2 CHANDIGARH (TRNFER TO ELECTRICAL DEPT)	2.61
PURCHASE OF 2 VIKT 100 AGVR EXIDE LED ACID DRY CELLS THROUGH GEM AS PER SPECIFICATION THE LED IN THE ESTIMATE FOR 220 VOLT 100AH D.C BATTERY BANK AT 66 KV GRID SUB STATION SEC 18A CHANDIGARH.	0.02
GSC OP SUB DIVN.NO.5	0.03
GSC OP SUB DIVN.NO.8	0.06
ISC OP SUB DIVN.NO.5	-
Appointment of Project Management agency for Twerky Execution including Supply Erection commission project Management. Design, engineering, inspection for Smart Grid Project under Electricity S/Divn NO. 5 Chandigarh. (IBM No. G1/2016/15114).	0.09
Supply, fabrication and installation of One No. Boom type Sky lift suitable for safe working height of 10Mtrs, and outreach of 4. Mtrs, with safe working load of 250 Kgs. Complete as per detail specification for the Mtc. Of power system and the street light under Electy S/Divn No.5 I/A Phase I Chandigarh	0.05
Supply, fabrication and installation of One No. Boom type Sky lift suitable for safe working height of 10Mtrs, and outreach of 4. Mtrs, with safe working load of 250 Kgs. Complete as per detail specification for the Mtc. Of power system and the street light under Electy S/Divn No.8 I/A Phase I Chandigarh	0.05
RCE estimate for replacement of full wave controlled battery charger with Battery Bank of DC DB at 66 KV and S/Stn Manimajra ElectyOP Sub Division No. 8 MM Chd	0.02
RCE estimate for replacement of existing 220V battery Bank at 66KV Grid Sub Station IT Park, MM UT Chandigarh (IBM NO. W1/18/16583)	0.02
Providing additional 2x315 KVA P/M T/F near railway line Gali No.5 and near Gali No.1 P.W.T. M.M. for deloading existing 2x300 KVA T/F near Gudduwala and near Pal Chakki, PWT M.M. under Electy/ OP Sub Division No.8 Manimajra Chd.	0.24
Providing additional 2 x315KVA P/M T/F near House No. 274 sector 55 and near Mandir village Palsora,Chandigarh for improvement of LD system near Elecyp Op S/Divn. No. 9,Chandigarh.	0.12
RCE for Purchase of Spare 315KVA DT (3Nos.) T/F and 1000KVA DT (1No.) T/F under Electy. (OP) S/Divn. No. 10, Chd.	0.00
Purchase of Maruti Suzuki Dzire VXi complete make official car/vehicle for the use in o/o E.E. Electy OP Divn. no. 4 UT Sector-34 C, Chandigarh against condemned vehicle i.e. Maruti Gypsy CH01-GI-0522	0.00
Providing individual electricity connections to the residents of outside Lal Dora of Adharsh colony, Sector 54, Chandigarh.	0.23

## 7798/2022/Legal Section

Form F7

All Figures are in Rs  
CrYear-wise Capital Expenditure (FY 2021-22)

Project Details	
Name of scheme	FY 2021-22 Estimated
RCE for replacement of existing LT (Jungli) fuse unit with LT ACB of 300/315 KVA P/M T/F under the jurisdiction of Electy. 'OP' S/Divn. No.6, U.T., Chandigarh. (IBM No. W1/16/15083)	0.34
Providing 11 KV U/G independent feeder from 66 KV grid sub station Sector 34 to 11 KV I/D S/Stn., Sector 35-B, Chandigarh and further extending the same upto parts of Sector 35 A & B along with installation of 2 nos. 315 KVA P/M T/Fs for overall improvement of LD system under the jurisdiction of Eelcty. OP Sub divn. No.7, Sector 35, Chandigarh.	0.34
RCE for providing 11 KV independent underground feeder from 66 KV G/S/Stn., Sector 34 to 11 KV indoor S/Stn. Sector 34 A, Chandigarh. W1/2019/17807	0.19
RCE for providing 11KV independent U/G feeder from 66KV G/S/Stn, Sec-34 to 11KV I/D S/Stn, Sec-33A, Chd	0.03
Annual Estimate for providing 300 Nos. GSC under Electy. 'OP' S/Divn No. 3 for the year	0.17
Annual Est. for the release of 465 Nos. Electricity Connection under Electy. 'OP' S/Divn No. 6 for the year 2021-22	0.13
Annual Est. for the release of 230 Nos. Electricity Connection under Electy. 'OP' S/Divn No. 7 for the year 2021-22	0.13
Replacement of existing 11 KV O/H line of U/G bajwara, O/H Bajwara feeder & southern-II feeder with 11 KV 3x300mm2 U/G cable in Sec.28, Chd. and augmentation of existing 11 KV 3x185mm 2 XLPE U/G cable with 11 KV 3x300 mm2 XLPE cable of 11 KV BBMB feeder from 66 KV BBMB I/A Ph-1 upto I/D sub station Sec.28-B,Chd. for improvement of LD system under Electy OP S/Divn. No.3, Chandigarh	0.32
RCE for providing 11 KV independent underground feeder to 11 KV I/D S/Stn, Sec-19A & 19C, Chd from 66KV G/S/Stn, Sec-34 for improvement of LD System under Electy. 'OP' S/Divn No.3, Chd (IBM Scheme No. W1/2020/19017)	0.27
RCE for replacement and augmentation of existing 11KV U/G 3x150mm2 XLPE cable of 11 KV 21C feeder from 33 KV G/S/Stn, Sec-34 with underground 3x300mm2 XLPE cable for improvement of LD System under Electy. 'OP' S/Divn No. 3, Chd.	0.13
RCE for providing 100 KVA T/F to release Electricity Connection of Govt. Tubewell near #3062, Sec-20D, Chd	0.00
<b>11 kV New Infrastructure</b>	
<b>System Augmentation &amp; Strengthening</b>	
RCE for providing 3 x 315 KVA P/M T/F near Gate No.-1, Gate No.-2 and near Girls Hostel N0.-3, P.U., Sec-14 for deloading the existing LD system Under Electy 'OP' S/Divn.-4, Sec-15, Chandigarh. ( A & A No. 8675 Dated30.05.2019 )	0.12
Replacement of old obsolete damaged and outdated LT panela installed in 11 KVI/D,S/stn,Sector 41-A,Chandigarh under Jurisdiction of Eley. Op S/divn. No. 9,Chandigarh. W1/2015/13744	0.05
REC for Augmentation/upgradations of existing LD System along with shifting of LT over head lines to maintain safe clearance from residential area in Maloya colony, under Electy. 'OP' S/Divn. No.10 Sector-40B, Chandigarh.	0.10
Detailed estimate for providing 4X315 KVA P/M T/F in Dadu Majra Colony, Chandigarh for deloading the existing P/M T/F and improvement of LD system under Electy 'OP' S/Divn. No. 10, Sec-40B, Chandigarh	0.05
Rough cost estimate for providing 315 KVA P/M T/Fs to de-load the existing Pole Mounted transformers of village Attawa for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh	0.05
RCE for replacement of existing LT (jungle) fuse unit with LT ACB as well as LT Shunt Capacitor on 300/315 KVA T/F under Electy. 'OP' Divn. No.4 Chandigarh.	0.05
Rough Cost Estimates for providing 6x315 KVA P/M T/F at various sites in Sector-44, for improvement of LD system Chd. under Electy. 'Op' S/Divn. No.9, Sec-43, Chd.	0.10
<b>33 kV New Infrastructure</b>	
<b>System Augmentation &amp; Strengthening</b>	
Providing 02 No.66 KV circuits from 220 KV grid sub station, Hallomajra, Chandigarh to be terminated at existing 66 KV tower No.07 located near railway crossing bridge, Indl. Area, Phase-II for feeding 66 KV grid sub-station, I/A phase-I and 66 KV grid sub-station, I/A, Phase-II, UT.,Chandigarh.	0.64
<b>Total</b>	<b>11.96</b>

## 7798/2022/Legal Section

Form F7

All Figures are  
in Rs Cr**Year-wise Capital Expenditure (FY 2022-23)**

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
<b>33 kV and Above Spill Over</b>	
System Augmentation & Strengthening	<b>6.73</b>
Providing 02 No.66 KV circuits from 220 KV grid sub station, Hallomajra, Chandigarh to be terminated at existing 66 KV tower No.07 located near railway crossing bridge, Indl. Area, Phase-II for feeding 66 KV grid sub-station, I/A phase-I and 66 KV grid sub-station, I/A, Phase-II, UT.,Chandigarh.	0.81
Providing 2x20 MVA , 66/11 KV Grid S/Stn. At Raipur Kalan, UT, Chd.	0.20
Up-gradation of Transformation capacity at 66/11 KV S/Stn. By replacing existing 2x12.5 MVA with 2x20 MVA T/F, 66/11 KV T/F and shifting and re-installation of 2x12.5 MVA T/F at existing 66/11 KV S/stn. At Civil Sectt. Sec- 1 & Sec- 12, Chd.	0.50
Providing double circuit 66KV U/G transmission line by laying single core 1000 sq mm XLPE cable from existing 66KV tower near govt School (new) sector 12 to 66KV grid sub station, sarangpur new, chd along with construction of 2 no. line associated bay at 66/11 kv GSS Sarangpur	5.22
<b>33 kV and Above New Works</b>	
System Augmentation & Strengthening	<b>4.12</b>
RCE for replacemaent of full wave controlled battery chager along with battery bank and DC.DB at 66 KV Grid S/Stn Manimajra under Elec. OP S/Divn. Manimajra CHD.No.8	0.12
Replacement /augmentation of 3 no. damaged 66/11KV, 10/12.5 KVA Power Transformer with 20 MVA Power Transformer at 66KV G/S/Stn. Sec-1, BBMB & I/A-Ph-II, Chd.	2.00
Conversion of 66KV Single circuit to D/C T/L and U/G cable from 220 KVA GSS Kishangarh to 66KV S/Stn. Sec-12 UT Chd to D/C T/L.	2.00
<b>11 kV Existing Spill Over</b>	
System Augmentation & Strengthening	<b>14.76</b>
RCE FOR AUGMENTATION OF 4*200 KVA TO 4*315 KVA T/F NEAR OM SHANTI MILK COLONY DHANAS NEAR H.NO 190 AND DOUBLE STOREY HOUSE DHANAS, CHANDIGARH FOR IMPROVEMENT OF LD SYSTEM (IBM NO. W1/2019/18098)	0.17
Tender No. OP-1/12/2020-21 for shifting & Conversion of various 11 KV O/H Feeders passing adjoining / near the Commercial belt of Sector-7, 9 11 & 26 Madhya Marg, Chd in to 11 KV U/G XLPE Cable of size 300 sq. mm including the augmentation of existing 200/300 KVA P/M T/F's with 630 KVA CSS remove the probability of calamity, breakdowns and to strengthen the LD System under the jurisdiction of Electy. OP S/Divn. No. 2, Chandigarh	3.25
Appointment of Project Management agency for Twerky Execution including Supply Erection commission project Management. Design, engineering, inspection for Smart Grid Project under Electricity S/Divn NO. 5 Chandigarh. (IBM No. G1/2016/15114).	3.83
Estimate for arranging spare T/F of 315 KVA distribution T/Fs (3Nos) and 1000 KVA T/F (1No) for replacement against damaged T/F for restoration of supply on emergent basis, under Electy OP S/Divn No 8 MM Chd (IBM No. W1/17/15247).	0.11
RCE for providing additional 3 No. 315 KVA P/M T/F and replacement of existing old/outlived/burnt ACSR with ACSR 103mm2 in Sector 29 for improvement of LD system under Electy. OP S/Divn. No. 5, U.T., Chandigarh for the year 2020-21. (IBM No. W1/2020/18981)	0.27
Providing additional 2x315 KVA P/M T/F and replacement of existing old/outlived/burnt ACSR with ACSR 103mm2 in Village Hallomajra for improvement of LD system under Electy. 'OP' S/Divn. No.5, Indl. Area, Ph-I UT Chandigarh. Tender No. OP2/13/2019-20	0.05



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Form F7

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Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
Providing additional 315 KVA P/M T/F and replacement of existing old/outlived/burnt ACSR with ACSR 103mm2 in Village Behlana for improvement of LD system under Electy. 'OP' S/Divn. No.5, In dl. Area, Ph-I UT Chandigarh. Tender No. OP2/12/2019-20	0.04
Providing additional 4x315 KVA P/M T/Fs and augmentation of existing 4 Nos. 200 KVA P/M T/F with 315 KVA P/M T/F at various locations for the improvement of LD system in Ram Darbar Ph-I & Ph-II under the jurisdiction of Elect. 'OP' S/Divn. No. 5, UT Chandigarh. (IBM No. W1/2020/19110)	0.47
Providing additional 3x315 KVA P/M T/F at various sites alongwith replacement and augmentation of existing, old and outlived conductor of LT lines in village Raipur Khurd for improvement of LD system under the jurisdiction of Electy. 'OP' S/Divn. No. 5, UT Chandigarh. (IBM No. W1/2020/19238)	0.34
Providing 4x315 KVA P/M T/F at various sites along with replacement and Augmentation of existing old and outlived conductor of LT lines in village Daria for improvement of LD System Chd. under Electy. 'OP'S/Divn. No.5, UT, Chandigarh.	0.49
Rough Cost Estimate for providing additional 3x315KVA P/M T/F near H.No. 704, Sector 47-A near H.No. 1810 Sector 47-B near H.No. 2944-45 Sector 47 C for improvement of LD system under Electy. 'OP' S/Divn. No.5 UT Chandigarh. (IBM No. W1/2020/18637)	0.25
Replacement of existing old/outlived/burnt ACSR with ACSR 103mm2 in Ram Darbar, Phase-I & II for improvement of LD System under electricity 'op' S/ Divn. No-5, In dl. Area, Ph-I, U.T. Chandigarh (IBM No. W1/2020/19162)	0.25
DRG-27 - RCE for replacement of old and outlived Main and Sub main Service Wire in Sector 29 B, Chandigarh for improvement of LD system under Electy. OP Sub Division No. 5, UT Chandigarh.	0.52
RCE for replacement of existing LT (jungli) Fuse unit with LT ACB's of 300/315 KVA P/M T/F under the jurisdiction of Electy. 'OP' S/Divn. No.3, Sector 18, Chandigarh. (IBM No. W1/2016/14865)	0.25
Replacement of existing old and defective 11 KV/LT OCBs of 11 KV I/D Sub Station, Sector 35 B, 35 C and 35 D under sub division No.7, Chandigarh. W1/2019/17745	0.28
Providing 11 KV U/G independent feeder from 66 KV grid sub station Sector 34 to 11 KV I/D S/Stn., Sector 35-B, Chandigarh and further extending the same upto parts of Sector 35 A & B along with installation of 2 nos. 315 KVA P/M T/Fs for overall improvement of LD system under the jurisdiction of Eelcty. OP Sub divn. No.7, Sector 35, Chandigarh.	0.26
Up gradation of 11 KV indoor S/Stn by replacement and augmentation of existing old outlived and defective 11 KV and LT OCBs and T/Fs in indoor S/Stn. in Sector 27 B, 27-C and 27-D under Electy OP S/Divn. No.3, Chandigarh. W1/2019/17749	0.20
RCE for providing 11 KV independent underground feeder from 66 KV G/S/Stn., Sector 34 to 11 KV indoor S/Stn. Sector 34 A, Chandigarh. W1/2019/17807	0.26
RCE for replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs of 11KV & LT OCBs of 11KV I/D S/Stn. Sec.21C & 21A under Electy. OP S/Divn.No.3, Sec.18A, Chandigarh.	0.20
RCE for up gradation of 11KV I/D S/Stn. by replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs and transformers in I/D S/Stn. Sec.19A, 19B, 19C & 19D under Electy. OP S/Divn.No.3, Sec.18A, Chandigarh.	0.40
RCE for providing 11KV independent U/G feeder from 66KV G/S/Stn, Sec-34 to 11KV I/D S/Stn, Sec-33A, Chd	0.23
Replacement of existing 11 KV O/H line of U/G bajwara, O/H Bajwara feeder & southern-II feeder with 11 KV 3x300mm2 U/G cable in Sec.28, Chd. and augmentation of existing 11 KV 3x185mm 2 XLPE U/G cable with 11 KV 3x300 mm2 XLPE cable of 11 KV BBMB feeder from 66 KV BBMB I/A Ph-1 upto I/D sub station Sec.28-B,Chd. for improvement of LD system under Electy OP S/Divn. No.3, Chandigarh	0.70
RCE for providing 11 KV independent underground feeder to 11 KV I/D S/Stn, Sec-19A & 19C, Chd from 66KV G/S/Stn, Sec-34 for improvement of LD System under Electy. 'OP' S/Divn No.3, Chd (IBM Scheme No. W1/2020/19017)	1.44
RCE for replacement and augmentation of existing 11KV U/G 3x150mm2 XLPE cable of 11 KV 21C feeder from 33 KV G/S/Stn, Sec-34 with underground 3x300mm2 XLPE cable for improvement of LD System under Electy. 'OP' S/Divn No. 3, Chd.	0.36
Providing individual electricity connections to the residents of outside Lal Dora of Adharsh colony, Sector 54, Chandigarh.	0.13

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Form F7

All Figures are  
in Rs Cr**Year-wise Capital Expenditure (FY 2022-23)**

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
<b>11 kV Existing New Works</b>	
System Augmentation & Strengthening	<b>5.15</b>
GSC SUB DIVN. NO.1	0.32
GSC, ELECTY. SUB DIVN. NO.2	0.35
GSC SUB DIVN. NO.4	0.42
GSC OP 9	0.35
GSC OP 10	0.35
GSC Sub Divn No. 5	0.12
GSC Sub Divn No. 8	0.08
Providing industrial service connections under electy ,op sub division no 5 chandigarh for the year 2022-2023, 2023-24 & 2024-25.	0.12
Providing gernal service connections under electy ,op sub division no 5 chandigarh for the year 2022-2023, 2023-24 & 2024-25.	0.22
Providing for de-loading the existing 1x300KVA T/F and 1x200KVA T/F near Police Post Mouli Complex, Manimajra by providing 315 KVA addl. T/F near T/Well No.2 in Mouli Complex and providing additional 315KVA T/F near H. No. 3024, Mouli Complex for de-loading the existing 300KVA T/F near H. No. 3240, Mouli Complex, M.Majra under Electy OP S/Divn. No.-8, M.Majra, U.T. Chandigarh.	0.15
Providing 2X315 KVA T/Fs in front of H.No. 943 & 1492 Vikas Nagar for de-loading the existing 500KVA & 315KVA P/M T/Fs. in front of H.No. 348& 385 in Vikas Nagar, under jurisdiction of Electy. OP S/Divn. No.-8, M.Majra, U.T. Chandigarh. (IBM Scheme No. W1/2021/19402).	0.22
Rough cost estimate for replacement of existing old outlived 80Sqmm ACSR Conductor with 103Sqmm ACSR Conductor & Main and Sub-Main Service wires/Cables in Vikas Nagar, Under Electy. 'OP' S/Divn. No.8, Manimajra, U.T Chd.	0.63
Rough cost estimate for replacement of existing LT(Jungli) Fuse Unit with LT ACB of 300/315 KVA P/M T/F alongwith LT shunt capacitor under the jurisdiction of Electy OP S/Divn. No.-8, Manimajra, U.T. Chandigarh.(DRG No. 618)	0.61
ough Cost estimate for 11KV O/H line of New Town feeder part of village Kishangarh and Bhagwanpura with U/G 11XLPE 3CX300SQmm Cable for improvement of LT/HT System,Under Electy. OP S/Divn. No.8, UT Chd. (DRG- 683)	0.46
RCE for augmentation of existing 11KV XLPE 3x185mm2/150mm2 cable with 11KV XLPE 3x300mm2 cable of 11KV IT Park feeder emanating from 66KV G/S/Stn. IT Park, Manimajra, Chd. (DRG-590) (IBM SCHEME No. W1/18/16430)	0.02
RCE for augmentation for existing 11KV 3x185mm2 cable with 11KV XLPE 3x300 mm2 cable of 11 KV Mouli complex feeder and 11KV Mouli feeder emantaing from 66KV G/S/Stn. manimajra under jurisdiction of lecty Op S/Divn. no.-8, UT, CHd. (DRG-589) (IBM Scheme No.- W1/18/16404)	0.05
RCE for prov. additional 11KV U/G Cable with 3CX300mm2 11KV XLPE Cable for the village Kishangarh and Bhagwanpura form 66KV Grid S/Stn. IT Park, under jurisdiction of Electy OP S/Divn. No.-8, M.Majra, U.T. Chandigarh.	0.26
RCE for conversion of a part of Rural feeder into underground feeder for Ayush Hospital and Educational Institution, Manimajra.	0.12
for augmentation of existing 11KV 3x185mm.sq.XLPE cable of Rural Feeder with 11KV XLPE 3x300mm.sq.cable from 66KV Manimajra to near Masjid and replacement of existing 11 KV O/H line conductor of Rural Feeder with new 103mm2 conductor from Masjid to Govt T/well near Railway Line P.W.T. for improvement of LD/HT system under Electy.OP. S/Divn.No.8, M.Majra, Chandigarh.	0.30
<b>11 kV Below New Spill Over</b>	
New Infrastructure	<b>1.44</b>
Replacement of old obsolete damaged and outdated LT panela installed in 11 KVI/D,S/stn,Sector 41-A,Chandigarh under Jurisdiction of Elec. Op S/divn. No. 9,Chandigarh. W1/2015/13744	0.06
REC for Augmentation/upgradations of existing LD System along with shifting of LT over head lines to maintain safe clearance from residential area in Maloya colony, under Electy. 'OP' S/Divn. No.10 Sector-40B, Chandigarh.	0.50

## 7798/2022/Legal Section

Form F7

All Figures are  
in Rs Cr**Year-wise Capital Expenditure (FY 2022-23)**

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
Detailed estimate for providing 4X315 KVA P/M T/F in Dadu Majra Colony, Chandigarh for deloading the existing P/M T/F and improvement of LD system under Electy 'OP' S/Divn. No. 10, Sec-40B, Chandigarh	0.20
Rough cost estimate for providing 315 KVA P/M T/Fs to de-load the existing Pole Mounted transformers of village Attawa for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh	0.03
RCE for replacement of existing LT (jungle) fuse unit with LT ACB as well as LT Shunt Capacitor on 300/315 KVA T/F under Electy. 'OP' Divn. No.4 Chandigarh.	0.35
Rough Cost Estimates for providing 6x315 KVA P/M T/F at various sites in Sector-44, for improvement of LD system Chd. under Electy. 'Op' S/Divn. No.9, Sec-43, Chd.	0.30
<b>11 kV Below New New Works</b>	<b>7.83</b>
<b>New Infrastructure</b>	
Supply, delivering testing and commissioning of full wave battery charger alongwith battery bank at DC DB at 66 KV G/S/Stn. Sector 52, Chandigarh (A & A No. 14917 dated 18.08.17)	0.08
Estimate for Supply, Delivery, Testing, Installation and Commissioning of 220V, 100AH VRLA Battery along with 220 V, 50A Full Wave FCBC to replace the existing Battery Bank and Battery Charger installed at 66 KV Grid Substation, Sec 39, Chandigarh	0.06
Rough cost estimate for Strengthening of Distribution system by augmentation of ACSR conductor 20/30/52 sq.mm with 103 sq.mm and providing LT intermediate poles between the long LT spans and providing new LT lines in Sec 22, Chandigarh, under the jurisdiction of Electy. 'OP' Sub/Divn. no.1, Sec. 23D, Chandigarh.	0.25
Rough Cost Estimate for Augmentation/Replacement of burnt/over heated and out lived L.T OCB / ACBs with L.T ACBs cubical panel and 11KV OCB with VCB at 11KV I/D S/Stn in Sec 7A, 7B & 7C Chandigarh, for modernization of Sub Station	0.75
Estimate for providing 11 kV independent underground feeder from forthcoming 66 kV Sector-34 to I/D S/Stn. Sector 23-D Chandigarh and thereafter 11 kV link between I/D S/Stn. Sec-23-D and I/D S/Stn. Sec 24-C so as to provide uninterrupted power supply to Judges houses of Sector 24 and to the residence of Sector 23, Chandigarh ( A & A No. 12983 dt. 26.07.19	0.50
Providing LT ACB as well as LT Shunt Capacitor on 315/300 KVA P/M T/F under the jurisdiction of Electy. 'OP' S/Divn. No. 4, Chandigarh ( A & A No. 14140 dt. 16.08.19)	0.30
Strengthening of distribution system by providing 5 no. 315 KVA P/M T/F for uninterrupted power supply to the residents of the rehabilitation colony Sector 25 Chandigarh ( A & A no. 14426 dt. 13.08.18)	0.75
RCE for replacement & augmentation of 11 KV U/G Pilca 3x95/120 sq. mm Governor house feeder cable and its concerned 2x120 sq. mm Pilca link cables with 3x300 sq. mm XLPE cable under Electy OP S/Divn. No. 2, UT, Chandigarh. (A&A No. 14900 dated 29.08.19)	0.70
RCE for providing 3x300 sq. mm XLPE cable from 66 KV G/S/Stn. new Sarangpur to Rural feeder for deloading & 66 KV G/S/Stn. Sector - 12, Chandigarh. (A&A No. 9544 dated 12.06.2019)	0.05
RCE for replacement & rerouting of 11 KV O/H 15D feeder with 3x 300mm2 XLPE U/G cable for improvement of LD system under the jurisdiction of Sub Divn.- 4, Sec-15, Chandigarh. ( IBM No. 2020/18618)	0.20
Rough Cost Estimates for providing new 4x315 KVA P/M T/F near House no. 301 house no 351, near Gugga Marri mandir, and backside Dhobi ghat of sector 32, Chd for deloading of Existing Transformers and augmentation of HT ACSR conductor for improvement of LD system under Electricity 'OP' S/Divn. No 6 , Sec.20C, Chd	0.30
RCE for providing DG set in 66KV GSS Sector 32 under the jurisdiction of under Electy op S/Divn no 6 chd	0.10
RCE for replacement and augmentation of existing LT overhead burnt/ overheated ACSR conductor (30/80 mm2 to 153mm2 LT ACSR conductor Sector 37-C alongwith augmentation and replacement of main and sub main of Sector 37-C Chandigarh under Electricity OP Sub Divn.No.7, Chandigarh.	0.10
RCE for providing 4x315 KVA T/F for deloading the existing T/F and replacement and augmentation of old and outlived service cable and ACSR 8/6 No to ACSR 103 mm2 in Sector 30 under the jurisdiction of under Electy op S/Divn no 6 chd	0.20
RCE for replacement of condemned Tata Truckno CH01-G-6131` with new vehicle under Electy Op S/Divn no 6 chd	0.07
RCE for replacement of condemned Boom Leader CH01-G-1754` with new vehicle under Electy Op S/Divn no 6 chd	0.07
RCE for providing new 1x315 KVA P/M T/F near House no. 1299, Sec-19-B and augmentation of 100 KVA P/M T/F & 200KVA P/M T/F with new 315 KVA P/M T/F near Dispensary, Sector-28-B, and mtc Booth of Electy Colony, Sector-28-B respectively for deloading existing 11 KV I/D S/Stn. sec.19/B & 28-B Chd. under Electy. 'OP'S/Divn. No.3,Sec.18,Chd.	0.30

## 7798/2022/Legal Section

Form F7

All Figures are  
in Rs CrYear-wise Capital Expenditure (FY 2022-23)

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
RCE for providing 3x315 KVA P/M T/F at sector 49 for deloading of Existing Transformers under Electricity 'OP' S/Divn. No 6 , Sec.20C, Chd	0.20
Providing GSC under Electy OP S/Divn no.3,6 & 7 for the year 2022-23 to 2024-25	0.30
Rough cost estimate for replacement of burnt/outlived / damaged ACSR of LT lines with 103mm <sup>2</sup> conductor and mains and sub-mains of village Maloya and Dadumajra for Improvement of voltage condition under Electy. 'OP' S/Divn. No.10 Sector-40B, Chandigarh.	0.20
Providing 11 KV additional feeder to Sector 43 from 66KV Grid S/Stn Sec- 52 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh	0.15
RCE for prov. Addl. 315 KVA P/M T/F for Electric Supply to newly constructed SCOs in Sector 39-D Chandigarh and deloading the existing T/F.	0.06
RCE for augmentation of 100 KVA T/F and 200 KVA T/F on plinth with 315 KVA T/F on plinth near # 6201 & 6464, Sec-56 respectively and also providing 3X315 KVA P/M T/F back side of Gurudawara Shaib Sec/56, # 6701 & 5860 Sec/56, Chandigarh for improvement of LD System Sec/56, UT Chandigarh.	0.10
Rough cost estimate for providing 4x315 KVA P/M T/F near Mathru Market, community center, PNB Bank, Kajuroowala to deload the existing pole mounted transformers for improvement of LD system in village Maloya, Chandigarh under the jurisdiction of the Electy. 'OP' S/Divno. 10, Sector-40B Chandigarh.	0.20
Rough cost estimate for providing independent 11 KV feeder for Sector-40B, I/D S/Stn from 66 KV G/S/Stn Sector-56, Chandigarh under S/Divn. No. 10, Chandigarh.(No.12728-29 dated 29.10.20) W1/2020/19173	0.20
Rough cost estimate for providing additional 4x315 KVA P/M T/F's near #1002, #1124 Sector-40B and #2451, #2534 Sector-40C, Chandigarh for improvement L.D. system under Electy. 'OP' S/Divn No.10, Sector-40B, Chandigarh.	0.20
Rough cost estimate of 100 KVA T/f on the plinth with 315 KVA on the plinth of near Govt. High School for release of Electy connection of sport infrastructure and improve the LD system sec-56, Chandigarh.	0.06
Rough cost estimate for providing individual electricity connections to the residents outside Lal Dora of Milk Colony, Maloya and Shahpur Colony under Electy OP Sub Division No. 10, Chandigarh	0.20
R.C.E. for augmentation of existing 02 No 200 KVA P/M T/F with 630 KVA CSS near Sunrise Hotel & Govt. School and replacement of old, worn out ACSR conductor and LT cables in Village Kaiheri for improvement of LD system under Electy 'op' S/ Divn no.-9, Chandigarh.	0.10
Rough Cost Estimate for Replacement of old outlived ACSR conductor with 103Sq.mm alongwith replacement of Service Cables in village Burail under Electy OP Sub Divbn. No.9, Sec-43, Chandigarh.	0.20
Rough cost Estimate for Replacement and augmentation of existing 3x185mm <sup>2</sup> cable of 11KV U/G Burail feeder from 66KV G/S/Stn. Sector 32 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh	0.20
Rough cost estimate for providing 6 x 315 KVA P/M T/Fs to de-load the existing Pole Mounted transformers of villages Buterla and Badheri for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh	0.20
Rough cost Estimate for Replacement and augmentation of existing 3x185mm <sup>2</sup> XLPE cable of 11KV Sector-51 old feeder from 66KV G/S/Stn. Sector 52 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh.	0.08
Rough cost Estimate for Replacement and augmentation of existing 3x150mm <sup>2</sup> XLPE cable of 11KV Progressive feeder from 66KV G/S/Stn. Sector 47 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh.	0.20
Rough Cost Estimate for providing 11kv underground independent feeder de-load the existing 11kv feeder for Sector-51 for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh.	0.20
<b>Total</b>	<b>40.03</b>
<b>DEPOSIT WORKS</b>	
<b>GRAND TOTAL</b>	<b>40.03</b>

## 7798/2022/Legal Section

Form F7

All Figures are  
in Rs Cr**Year-wise Capital Expenditure (FY 2023-24)**

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
<b>33 kV and Above Spill Over</b>	<b>6.73</b>
Providing 02 No.66 KV circuits from 220 KV grid sub station, Hallomajra, Chandigarh to be terminated at existing 66 KV tower No.07 located near railway crossing bridge, Indl. Area, Phase-II for feeding 66 KV grid sub-station, I/A phase-I and 66 KV grid sub-station, I/A, Phase-II, UT.,Chandigarh.	0.81
Providing 2x20 MVA , 66/11 KV Grid S/Stn. At Raipur Kalan, UT, Chd.	0.20
Up-gradation of Transformation capacity at 66/11 KV S/Stn. By replacing existing 2x12.5 MVA with 2x20 MVA T/F, 66/11 KV T/F and shifting and re-installation of 2x12.5 MVA T/F at existing 66/11 KV S/stn. At Civil Sectt. Sec- 1 & Sec- 12, Chd.	0.50
Providing double circuit 66KV U/G transmission line by laying single core 1000 sq mm XLPE cable from existing 66KV tower near govt School (new) sector 12 to 66KV grid sub station, sarangpur new, chd along with construction of 2 no. line associated bay at 66/11 kv GSS Sarangpur	5.22
<b>33 kV and Above New Works</b>	
<b>System Augmentation &amp; Strengthening</b>	<b>15.18</b>
Rough cost estimate for Supply, Installation, Testing, & Commissioning of CCTV cameras at Sub-Divisional office, Complaint centre & 66KV Grid S/Stn., under Electy. 'OP' S/Divn.No.8, Manimajra, UT, Chandigarh.	0.02
RCEfor replacement of damaged/ defective 496 KVAR(IS:13925/2012) capacity capacitor cell at 66KV Grid Sub Station Manimajra installed on Power Transformer (T-1) and Power Transformer (T-2) at 66KV Grid Sub Station Manimajra,Chandigarh.	0.16
Replacement /augmentation of 3 no. damaged 66/11KV, 10/12.5 KVA Power Transformer with 20 MVA Power Transformer at 66KV G/S/Stn. Sec-1, BBMB & I/A-Ph-II, Chd.	2.00
Providing 66KV transmission line to upcoming 66KV G/S/Stn. Alongwith associated 66KV line bays at Raipur Kalan, UT, Chd.	8.00
Providing 2x20 MVA , 66/11 KV Grid S/Stn. At Raipur Kalan, UT, Chd.	0.00
Conversion of 66KV Single circuit to D/C T/L and U/G cable from 220 KVA GSS Kishangarh to 66KV S/Stn. Sec-12 UT Chd to D/C T/L.	5.00
<b>11 kV Existing Spill Over</b>	
<b>System Augmentation &amp; Strengthening</b>	<b>3.52</b>
Rough Cost Estimate for providing additional 3x315KVA P/M T/F near H.No. 704, Sector 47-A near H.No. 1810 Sector 47-B near H.No. 2944-45 Sector 47 C for improvement of LD system under Electy. 'OP' S/Divn. No.5 UT Chandigarh. (IBM No. W1/2020/18637)	0.09
DRG-733 DNIT for providing 100 KVA P/M T/F to release SOP connection to newly build T/well at Village Raipur Khurd (near STP Gate) under the Electy. 'OP' S/Divn. No.5, I/A, U.T., Chandigarh. (W1/18/17003)	0.02
Replacement of existing old and defective 11 KV/LT OCBs of 11 KV I/D Sub Station, Sector 35 B, 35 C and 35 D under sub division No.7, Chandigarh. W1/2019/17745	0.71
Up gradation of 11 KV indoor S/Stn by replacement and augmentation of existing old outlived and defective 11 KV and LT OCBs and T/Fs in indoor S/Stn. in Sector 27 B, 27-C and 27-D under Electy OP S/Divn. No.3, Chandigarh. W1/2019/17749	1.00
RCE for replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs of 11KV & LT OCBs of 11KV I/D S/Stn. Sec.21C & 21A under Electy. OP S/Divn.No.3, Sec.18A, Chandigarh.	0.60
RCE for up gradation of 11KV I/D S/Stn. by replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs and transformers in I/D S/Stn. Sec.19A, 19B, 19C & 19D under Electy. OP S/Divn.No.3, Sec.18A, Chandigarh.	0.80
Replacement of existing 11 KV O/H line of U/G bajwara, O/H Bajwara feeder & southern-II feeder with 11 KV 3x300mm <sup>2</sup> U/G cable in Sec.28, Chd. and augmentation of existing 11 KV 3x185mm <sup>2</sup> XLPE U/G cable with 11 KV 3x300 mm <sup>2</sup> XLPE cable of 11 KV BBMB feeder from 66 KV BBMB I/A Ph-1 upto I/D sub station Sec.28-B,Chd. for improvement of LD system under Electy OP S/Divn. No.3, Chandigarh	0.30
<b>11 kV Existing New Works</b>	<b>6.67</b>

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Form F7

All Figures are  
in Rs CrYear-wise Capital Expenditure (FY 2023-24)

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
System Augmentation & Strengthening	
GSC SUB DIVN. NO.1	0.36
GSC, ELECTY. SUB DIVN. NO.2	0.36
GSC SUB DIVN. NO.4	0.36
GSC OP 9	0.36
GSC OP 10	0.36
GSC Sub Divn No. 5	0.13
GSC Sub Divn No. 8	0.08
RCE for providing independent 11kv U/G feeder for village daria from 66kv grid sub station IT park kishangarh Chandigarh for improvement of reliability of power supply in the area under electy ,op sub division no 5 chandigarh.	0.48
RCE for providing new 11kv U/G feeder for strengthening 11kv supply system in sector-48 chandigarh under jurisdiction of Electy OP S/Division . No 5 UT Chandigarh.	0.17
Providing industrial service connections under electy ,op sub division no 5 chandigarh for the year 2022-2023, 2023-24 & 2024-25.	0.10
Providing gernal service connections under electy ,op sub division no 5 chandigarh for the year 2022-2023, 2023-24 & 2024-25.	0.18
RCE for replacement of 11 kv U/G XLPE cable 3x185 mm2 of Ram darbar1 feeder with 11kv U/G 3x300mm2 XLPE cable from 66 kv grid sub station ind area ph 1chd. for improvement of power supply in the area under electy ,op sub division no 5 chandigarh	0.12
RCE for replacement of 11 kv U/G XLPE cable 3x185 mm2 of Ram darbar2 feeder with 11kv U/G 3x300mm2 XLPE cable from 66 kv grid sub station Ind area ph 1chd. for improvement of power supply in the area under electy ,op sub division no 5 chandigarh	0.15
RCE for prov. 2X315KVA P/M T/F near H.No. 5395 & H.No. 5371 MHC manimajara for delaoding the existing 2x200 P/M T/F near # 5313 and #5408 and augmentation existing LT 3.5cx185 mm2cable with LT 3.5x400 mm2 cable in MHC manimajra to improve the LD system under the jurisdiction of Electy Op S/Divn. no.-8,UT, Chd. (DRG-582)	0.36
Rough Cost estimate for augmentation of existing 5x200 KVA P/M T/F with 5x315 KVA P/M T/F and deloading the existing 300/200 KVAP/M T/Fs by providing 5X200 KVA T/Fs t at avrious sites of MHC,shastri and MHC feeder for the improvement of HT/LT System jurisdiction of Electy. OP S/Divn. No.8,Manimajra, UT Chd.(DRG-662)	0.34
RCE for shiftingn of 11 KV O/H Shastri feeder & 100 KVA P/M S/Stn. due to construction of new proposed Govt.Collage at pocket no.9, Manimajra, under Electy.OP S/Divn. (DRG-660)No.8,Manimajra,Chd.	0.12
CE for the replacement & Aug.of existing old outlived & defective 11 KV & LT OCB,s of 11 KV I/D S/Stns. under Electy.OP S/Divn. No.8, UT Chd.(DRG-631)	1.36
Rough Cost estimate for Electrification of outside Lal Dora for release of individual connection of Shastri Nagar under the jurisdiction of Electricity OP Sub Division No.8, UT, Chandigarh. (DRG-644)	0.44
RCE for replacement of 15 year with new SML Prestige 3335mm old Swaraj Mazda CH01G1-1072 dual cabin BSIV (6+1)seats vechicle under Electy. OP S/Divn.No. 8 manimajra CHD.	0.16
Rough cost estimate for augmentation of existing 11KV O/H line 80Sqmm ACSR Conductor with 103Sqmm ACSR Conductor & 3CX300Sqmm XLPE Cable, 100KVA P/M T/Fs. for the implementation of MPLADS – Green Belt at Raipur Kalan and setting up retail outlets (Petrol pump) for Govt. Departments/Corporation/Govt. Bodies in reserved Pocket of Indl. Area Ph.-III, Raipur Kalan, under the jurisdiction of Electy OP S/Divn. No.-8, ManiMajra, U.T. Chandigarh. (DRG-680)	0.16
Rough cost estimate for Replacement/augmentation of existing 80Sqmm ACSR O/H lines with 103 mm2 ACSR conductor and 3CX300 Sqmm 11KV XLPE U/G cable of Mauli & Mauli Complex feeder, under the jurisdiction of Electy OP S/Divn. No.-8, Manimajra, U.T. Chandigarh.	0.15
Rough Cost estimate for providing additional 3x315 KVA P/M T/F near H.No.-316, Bhagwanpura, Near Shop No.-599 and Near Shri Harinath Mandir village Kishangarh for deloding the existing 300KVA T/F near Govt. School, Near 300KVA T/F Maru wala and 200KVA T/F welding walaUnder Electy. OP S/Divn. No.8, UT Chd.	0.31

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Form F7

All Figures are  
in Rs CrYear-wise Capital Expenditure (FY 2023-24)

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
RCE for providing 315 KVA P/M T/F under the line opposite near H.No. 1768 Indra Colony in place of completely damage/outlived 200 KVA P/M T/F opposite near H.No. 1768 Indra Colony, Manimajra, under Electy. 'OP' S/Divn. No.8, Manimajra, U.T., Chandigarh.	0.07
<b>11 kV Below New Spill Over</b>	
<b>0.10</b>	
New Infrastructure	
Rough Cost Estimates for providing 6x315 KVA P/M T/F at various sites in Sector-44, for improvement of LD system Chd. under Electy. 'Op' S/Divn. No.9, Sec-43, Chd.	0.10
<b>11 kV Below New New Works</b>	
<b>25.06</b>	
New Infrastructure	
RCE for Strengthen the Distribution System after Replacement & Augmentation of 11KV U/G Pilca 3x185/120/70sq.mm link or feeder cable with 3x300sq.mm XLPE cable in Sector-9 & 10 under Electy. OP S/Divn. No.2, UT, Chandigarh. (No.11013-14 dated 7.6.16) W1/2016/14189	0.30
Rough Cost Estimate for Augmentation/Replacement of burnt/over heated and out lived L.T OCB / ACBs with L.T ACBs cubical panel and 11KV OCB with VCB at 11KV I/D S/Stn in Sec 7A, 7B & 7C Chandigarh, for modernization of Sub Station	0.75
Estimate for providing 11 kV independent underground feeder from forthcoming 66 kV Sector-34 to I/D S/Stn. Sector 23-D Chandigarh and thereafter 11 kV link between I/D S/Stn. Sec-23-D and I/D S/Stn. Sec 24-C so as to provide uninterrupted power supply to Judges houses of Sector 24 and to the residence of Sector 23, Chandigarh ( A & A No. 12983 dt. 26.07.19	0.50
Strengthening of distribution system by providing 5 no. 315 KVA P/M T/F for uninterrupted power supply to the residents of the rehabilitation colony Sector 25 Chandigarh ( A & A no. 14426 dt. 13.08.18)	0.80
Rough cost estimate for replacement of 11KV O/H bare conductor with 11KV 3 X 300sq. mm XLPE cable/ Aerial Bunched Cable along with improvement and augmentation of LD System in village Kaimbwala, under Electy. 'OP' S/Divn. No. 2, Chandigarh ( A & A No. 8046 dt. 08.05.18)	0.20
RCE for replacement & rerouting of 11 KV O/H 15D feeder with 3x 300mm2 XLPE U/G cable for improvement of LD system under the jurisdiction of Sub Divn.- 4, Sec-15, Chandigarh. ( IBM No. 2020/18618)	0.40
Rough Cost Estimate for Strengthening of Distribution System with replacement of existing old/overheated and defective HT OCBs with new HT VCBs of 11 KV I/D Sub Stations in Sec.17 Chandigarh. ( A & A no. 3274 dated 03.03.2020)	1.00
Providing LT ACB as well as LT Shunt Capacitor on existing 300/315 KVA Pole mounting T/F under the area of jurisdiction of Sub Divn. No. 2. ( A & A No. 1526 dated 29.01.2020)	0.30
Providing 2x315 KVA P/M, T/F near # 2135 (Shastri Market), Sector 22-C to give relief to the existing 2x200 KVA P/M T/F 2x300 P/M T/F and LT O/G 6 from I/D S/Stn. Sector 22-A and shifting of 320 Nos. single phase meter outside from consumer premisses and replacement of existing outlived conductor of size. 0.1 / 0.075 / 0.05/ .08 in Shashtri Market, Chandigarh (A & A No. 2875 dated 15.02.2020)	0.20
RCE for providing New 11 KV feeder from 66 KV Sec-39/ upgrading 33 KV Sec-34 to I/D S/Stn. Sec-22C to cater the load of over loading Aroma feeder under the jurisdiction of Electy. 'OP' Sub/Divn. no.1, Sec. 23D, Chandigarh.	0.45
RCE for strengthening of distribution system with replacement of existing old / over heated and defective HT OCBs with new HT VCBs of 11 KV I/D, S/Stn. Sector 23-B, Sector 23-C and 23-D, Chandigarh	0.20
RCE for strengthening of distribution system with replacement of existing old / over heated and defective HT OCBs with new HT VCBs of 11 KV I/D, S/Stn. Sector 22-A (Complaint Centre), Sector-22-A (Shopping Centre), Sector 22-B (New), Sector 22-B (Backside Hotel Sunbeam), Sector 22-B (Old Sabji Wala, Sector 22C, Sector 22-D, Chandigarh	0.75
Rough Cost Estimate for Providing 4x315 KVA P/M T/Fs at various sites alongwith replacement & aug.of exstg.old and outlived conductor of LT linesin village Daria for imp.of LD system under jurisdiction of Electy. 'OP' Sub Divn. No. 5, U.T. Chandigarh. (No.11785-86 dated 1.10.20)W1/2020/19140	0.30
RCE for replacement of Damaged, Outlived and Overaged LT Main & Sub Main Services by way of augmentation in Police Colony Sector-26 including the shifting of Energy Meters outside the premises for the overall improvement of LD System under the jurisdiction of Electy. 'OP' Sub Divn. No. 2, Chandigarh.	0.30
RCE for conversion of 11 KV O/H CPWD Feeder into 11 KV U/G cable of size 300 mm sq. XLPE to reduce the trippings / breakdowns bare minimum under the jurisdiction Electy. 'OP' S/Divn. No. 2, Chandigarh (U.T.)	0.20

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Form F7

All Figures are  
in Rs CrYear-wise Capital Expenditure (FY 2023-24)

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
RCE for supply of One No. Sky Lift fitted on LCV for the maintenance of Power system of area under complaint centre, DPH, Sec-26, under Electy 'OP' Sub Divn No. 2, Chandigarh	0.13
Rough cost estimate for providing 5x315 KVA P/M S/Stn near # 10&382 & 328.Sector 7A and # 1775, 1628, Sector 7 C for improvement of LD system under AEE, Electricity OP Sub Divn.No.2, Chandigarh	0.20
Rough cost Estimate for providing 11KV independent underground feeder from 66KV Grid S/Stn, I.T Park to 11 KV I/D S/S/Stn, Sector-7A, Chandigarh for improvement of L.D system under Sub- Division No 2, Sector 10, Chandigarh.	0.65
Rough cost Estimate for providing 11KV independent underground feeder to newly constructed U.T Sectt. building, Plot No. 7, Sector-9 D from 66KV Grid S/Stn, Sector-1 Chandigarh.	0.75
Rough cost estimate for purchase of bolero make official car / vehicle conforming to Bs-VI specifications for field staff AEEs/SDOs under the jurisdiction of Electy. 'OP' Divn. No. 1, Chandigarh	0.30
Rough cost estimate for replacement of 11KV O/H bare conductor with 11KV 3 X 300Sq. mm XLPE cable/ Aerial Bunched Cable along with improvement and augmentation of LD System in village Khuda Alisher, Chandigarh under Electy. 'OP' S/Divn. No.2, Chandigarh	1.00
RCE for providing of RMU and CSS in Parade Ground Sec-17, & providing second 11 KV source from Haryana Sectriate feeder.	0.25
RCE for providing 1X315 KVA P/M T/F Near H. No. 1070, Milk Colony & 1x315 KVA P/M T/F Near H. No. 515, Milk Colony Dhanas for improvement of LD system Under Electricity 'OP' S/5.Division No. 4, Sec-15, Chandigarh.	0.20
Rough Cost Estimate for supply of 1 no. Sky Lift fitted on LCV for maintenance of Power System at Complaint Centre, Sector-17, under Electy. OP S/Divn. No. 4, Sector-15, Chandigarh.	0.23
RCE for replacement / augmentation of 11 kV O/H line of 11 KV PEC feeder with 3 x 300mm2 U/G cable for improvement of LD system under the jurisdiction of Sub Divn.-4, Sec-15, Chandigarh.	0.30
RCE for replacement of LT OCB with LT ACB in Sec-12, Chandigarh.	0.25
RCE for replacement of LT OCB with LT ACB in Sec-14, Chandigarh.	0.25
Rough Cost estimate for special repair of 6MVA , 33/11 KV transformer lying at 33 KV Sub Station, Sector-18, Chandigarh.	0.20
Special est. for capital maintenance of power T/F overhauling of 33/11 KV 6 MVA T-1, 33/11 KV 10/12.5 MVA T-1, 33/11 KV 6 MVA power T/F at grid sub station Sector-17, UT, Chandigarh	0.30
RCE for providing 2 Nos. U/G 11 KV feeder from New 66 KV G/S/Stn. Sarangpur to provide the dual source of Supply to various category houses in Police Complex (Under Construction) at Village Dhanas and deload the existing 11 KV Rehabilitation feeder & Dhanas feeder.	0.80
RCE for providing 315 KVA P/M T/F near Dhobi Ghat Sec-15/D for deloading existing 300 KVA T/F backside booth Market, Sec-15/D, Chandigarh.	0.18
RCE for replacement of 11 KV OCB with 11 KV VCB in Sec-12 & Sec-14, Chandigarh.	0.60
RCE for replacement of Main Submain Service wire in LIC Flats in Sec-15/D, Chandigarh.	0.10
Rough Cost Estimate for strengthening the Indoor S/Stn. Sector 17, Chandigarh. by replacing the existing LT OCB/ACB with LT ACB's Chandigarh.	0.20
RCE for Replacement/ Augmentation of existing 11 KV U/G PILCA cable 3x50 sq.mm with 3x300 sq. mm XLPE cable by providing link between I/D S/Stn Sec 16 B to P/M T/F , H. No. 514 , Sec 16 C to H. No. 536 , Sec 16 C under the jurisdiction of Electy. 'OP' Sub/Divn. no.4, Sec. 15C, Chandigarh.	0.14
RCE for providing 5x315 KVA P/M S/Stn near #1201,1131 & 1394, Sec-33C and #1577, 1683 Sec-33D for improvement of LD System under S/Divn No. 7, Chd	0.25
RCE for replacement of 11kv 3x300mm2 damaged XLPE UG cable from 66KV GSS BBMB to I.T.I sector 28 chandigarh under Electy op S/Divn no 6 chd	0.25
RCE for replacement of old outlived service wire and cable and agumentation of ACSR 8/6 No with ACSR 103 mm2 in sector 20 under Electy op S/Divn no 6 Chd	0.10
RCE for replacement and agumentation of existing 11KV XLPE 3x150mm2 U/G Cable with 11KV XLPE 3x300mm2 cable of 11kv sector 30 feeder from 66kv phase 1 to centra mall light point I/A Phase 1 under Electy op S/Divn no 6 chd	0.30
RCE for replacement of existing 11 kV O/H link between I/D S/Stn. Sec.36-B to C, Sec.36-B to A and Sec.36-A to D with 300mm2 11 kV U/G cable due to thickly grown up trees to avoid unwanted breakdowns under Electy. OP Sub Divn.No.7, Chd.	0.10
RCE for providing replacement & augmentation of existing LT O/H overheated / burnt / old outlived ACSR conductor of various size viz. a viz. 30/80/103 mm2 to 153mm2 ACSR conductor of Sector 35 under Electy. OP Sub Divn.No.7, Chd.	0.15
RCE for replacement of existing old overheated and defective LT and HT breakers with new LT ACB and HT VCB of 11kv I/D S/Stn. sector 20 &30 under Electy op S/Divn no 6 chd	0.40
RCE for replacement of existing outlived OCB/VCB (8 Nos) (O/G and I/C) with VCB of I/C T-3 T/F at 66KV GSS sector 32 under Electy op S/Divn no 6 chd	0.30
RCE for independent 11KV feeder from 66KV sector 34 to 11KV I/D S/Stn Sector 20A under Electy op S/Divn no 6 chd	0.20
RCE for providing 11 KV U/G 300mm2 XLPE Cable to form Ring main to the existing P/M T/F's of Sec.33-A & B incase failure of existing 11 KV U/G radial feeder under Electy. OP Sub Divn.No.7, Chd.	0.20



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Form F7

All Figures are  
in Rs CrYear-wise Capital Expenditure (FY 2023-24)

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
Rough cost Estimate for providing 11 KV alternative feeder to Sector 46 from 66KV Grid S/Stn Sec- 47 Chandigarh, under the control of Electy 'OP' S/division-6 Chandigarh.	0.10
RCE for replacement of existing old overheated and defective LT and HT breakers with new LT ACB and HT VCB of 11kv I/D S/Stn. sector 32&46 under Electy op S/Divn no 6 chd.	0.50
RCE for providing 11 kV Independent U/G feeder from 66 kV S/Stn. Sec.34 to 11 kV I/D S/Stn. Sec.33-D, Chandigarh under Electy, OP Sub Divn.No.7, Chd.	0.10
Rough cost Estimate for providing 11KV independent underground feeder to Sector-21D , Chandigarh from 66KV Grid S/Stn , Sector-34 for improvement of LD System under Electy OP Sub division No. 3 UT Chandigarh.	0.25
RCE for replacement and agumentation of existing 11KV XLPE 3x150mm2 U/G Cable with 11KV XLPE 3x300mm2 cable of 49 C&D feeder from 66KV GSS Sec47 to Light Point Sec 49B, under the control of Electy 'OP' S/division-6 Chandigarh.	0.20
Providing GSC under Electy OP S/Divn no.3,6 & 7 for the year 2022-23 to 2024-25	0.15
Rough cost estimate for replacement of burnt/outlived / damaged ACSR of LT lines with 103mm2 conductor and mains and sub-mains of village Maloya and Dadumajra for Improvement of voltage condition under Electy. 'OP' S/Divn. No.10 Sector-40B, Chandigarh.	0.40
Providing 11 KV additional feeder to Sector 43 from 66KV Grid S/Stn Sec- 52 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh	0.15
Rough cost estimate for augmentation of ACSR 30 mm2 of 11 KV Sector 45A feeder with ACSR 80mm2 under Electricity Operation Subdivision No. 9, UT, Chandigarh.	0.10
RCE for augmentation HT cable of 11KV 43 Underground and 11KV 43 Overhead feeders emanating from 66 KV Grid Substation Sector 52 from 3X 150/185 mm2 to 3X300 mm2 XLPE cable and Augmentation of HT and LT ACSR of diffent sizes with ACSR 80 mm2 at different locations in Sector 43 for the improvement of LD system under ELelectricity Operation Subdivision No. 9, Sector 43, Chandigarh.	0.20
RCE for augmentation HT cable of 11KV 44D Underground feeder (Slze of cable 3X150mm2) along with 11 KV links between Indoor Substation Sector 44D to 44A, 44A to 44B, 44B to 44C ( partly overhead and partly underground )& 11 KV 46 feeder link (ACSR 30mm2) with 11 KV 3X300 mm2 XLPE cable and providing 4X315 P/M T/F at different locations in Sector 44 for improvement of LD system under ELelectricity Operation Subdivision No. 9, Sector 43, Chandigarh.	0.30
Rough Cost Estimate for replacement of outlived, overheated, burnt and damaged outgoing service cables of different sizes and at different locations of Sector-44C &D under the control of SDO, Electy. OP, S/Divn. no. 9, Chandigarh.	0.05
Rough Cost Estimate for replacement of outlived, overheated, burnt and damaged outgoing service cables of different sizes and at different locations in Burail under the control of SDO, Electy. OP, S/Divn. no. 9, Chandigarh.	0.06
Rough Cost Estimate for provinging independent 11 KV U/G feeder for Sec- 41B from 66KV Grid S/Stn., Sector 34 under the control of SDO, Electy, OP, S/Divn. no. 9, Chandigarh.	0.20
RCE for replacement of outlived, overheated, burnt, overheated LT ACSR 0.75sq inch with ACSR 0.1 sq inch of Sector 45 at different locations for the improvement of LD system under SDO, Electy. OP S/Divn. no. 9, Chandigarh.	0.10
Detail estiamte for strengthening the indoor S/Stn. Sector 38 &39, Chandigarh by replacing the Burnt/overheated/outlived and defective/obsolete existing LT OCB /LT ACB with new LT ACB's under the electy. OP S/Divn. no. 10, sec-40, Chandigarh.	0.20
RCE for providing 5X315 P/M T/F S-38 Chandigarh for deloading the existing P/M I/D S/Stn for improvement of LD system under electy OP S/Divn No. 10, Sec-40 B, Chandigarh.	0.15
Rough cost estimate for release of electricity connection to sports complex and under construction showrooms and improvement of L.D system by providing additional 3x315 KVA Pole mounted transformers near S.C.O Sector 39D, near house No 2438 Sector 39C and house No 1058 Sector 39B under electy ' op' S/Divn no 10 Sector 40 Chandigarh	0.10
Rough cost estimate for providing 02 Nos. 315 KVA distribution transformer for deloading the existing transformer and improvement of LD system in Vill. Dadumajra, Chandigarh under the jurisdiction of Electy. 'OP' S/Divn. No. 10, Sec-40B, Chandigarh.	0.07
Rough cost estimate for Augmentation/upgradations of existing LD System along with shifting of LT over head lines to maintain safe clearance from residential area in Dadu Majra colony, under Electy. 'OP' S/Divn. No.10 Sector-40B, Chandigarh.	0.20
RCE for augmentation of 100 KVA T/F and 200 KVA T/F on plinth with 315 KVA T/F on plinth near # 6201 & 6464, Sec-56 respectively and also providing 3X315 KVA P/M T/F back side of Gurudawara Shaib Sec/56, # 6701 & 5860 Sec/56,Chandigarh for improvement of LD System Sec/56, UT Chandigarh.	0.15
RCE for strengthening the indoor Stn Sector-40-A, 40 B and 40 C Chandigarh by replacing the burnt/overheated/outlived and defective/obsolete existing LTOCB/LTACB with new LTACB's under the Electy OP /Divn No. 10, Sec-40 B, Chandigarh.	0.30
Rough cost estimate for providing 4x315 KVA P/M T/F near Mathru Market, community center, PNB Bank, Kajuroowala to deload the existing pole mounted transformers for improvement of LD system in village Maloya, Chandigarh under the jurisdiction of the Electy. 'OP' S/Divno. 10, Sector-40B Chandigarh.	0.15

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Form F7

All Figures are  
in Rs CrYear-wise Capital Expenditure (FY 2023-24)

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
Rough cost estimate for providing independent 11 KV feeder for Sector-40B, I/D S/Stn from 66 KV G/S/Stn Sector-56, Chandigarh under S/Divn. No. 10, Chandigarh.(No.12728-29 dated 29.10.20) W1/2020/19173	0.30
Rough cost estimate for providing additional 4x315 KVA P/M T/F's near #1002, #1124 Sector-40B and #2451, #2534 Sector-40C, Chandigarh for improvement L.D. system under Electy. 'OP' S/Divn No.10, Sector-40B, Chandigarh.	0.10
Rough cost estimate for providing individual electricity connections to the residents outside Lal Dora of Milk Colony, Maloya and Shahpur Colony under Electy OP Sub Division No. 10, Chandigarh	0.15
Rough cost Estimate for Replacement and augmentation of existing 3x185mm2 cable of 11KV U/G Sector-42 feeder from 66KV G/S/Stn. Sector 52 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh.	0.20
Rough cost estimate for up gradation of 11 KV I/D SubStations by replacement & Augmentation of existing old, outlived and defective 11 KV & L.T CBs in I/D S/Stn. Sector 41A& 42-C under Electy. 'OP'S/D No 9, Sector-43, Chandigarh.	0.20
Rough Cost Estimate for providing 11kv underground independent feeder and 1X 630 KVA CSS to de-load the existing 11kv overhead feeder and pole mounted transformers of village Palsora for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh.	0.30
R.C.E. for augmentation of existing 02 No 200 KVA P/M T/F with 630 KVA CSS near Sunrise Hotel & Govt. School and replacement of old, worn out ACSR conductor and LT cables in Village Kajheri for improvement of LD system under Electy 'op' S/ Divn no.-9, Chandigarh.	0.40
R.C.E. for replacement of old, worn out ACSR conductor and LT cables in Village Palsora, Buterla and Badheri for improvement of LD system under Electy 'op' S/ Divn no.-9, Chandigarh.	0.20
R.C.E. for augmentation of old and outlived existing 750/800 KVA T/Fs with 1000 KVA T/Fs in various 11 KV indoor Sub Stations for improvement of LD system under Electy 'op' S/ Divn no.-9, Chandigarh.	0.70
Rough cost estimate for up gradation of 11 KV I/D Sub Stations by replacement & Augmentation of existing old, outlived and defective 11 KV & L.T OCBs/ACBs in I/D S/Stn. Sector 44-A, B, D under Electy. 'OP'S/D No 9, Sector-43, Chandigarh	0.50
Rough cost estimate for up gradation of 11 KV I/D Sub Stations by replacement & Augmentation of existing old, outlived and defective 11 KV & L.T OCBs/ACBs in I/D S/Stn. Sector 45C & 43-B under Electy. 'OP'S/D No. 9, Sector-43, Chandigarh	0.20
Rough Cost Estimate for Replacement of old outlived ACSR conductor with 103Sq.mm alongwith replacement of Service Cables in village Burail under Electy OP Sub Divbn. No.9, Sec-43, Chandigarh.	0.30
Rough cost Estimate for Replacement and augmentation of existing 3x185mm2 cable of 11KV U/G Burail feeder from 66KV G/S/Stn. Sector 32 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh	0.15
Rough cost estimate for providing 6 x 315 KVA P/M T/Fs to de-load the existing Pole Mounted transformers of villages Buterla and Badheri for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh	0.35
Rough cost estimate for providing 2x630KVA Packaged Sub Stations in villlage Burail in placxe of existing 750KVA Cabin Sub Station under Electy OP Sub Divn. No.9, Sec-43, Chandigarh.	0.30
Rough cost Estimate for Replacement and augmentation of existing 3x150mm2 XLPE cable of 11KV Progressive feeder from 66KV G/S/Stn. Sector 47 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh.	0.15
Rough Cost Estimate for providing 11kv underground independent feeder de-load the existing 11kv feeder for Sector-51 for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh.	0.25
Rough cost estimate for providing 6 x 315 KVA P/M T/Fs to de-load the existing Pole Mounted transformers of villages Buterla and Badheri for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh	0.20
<b>Total</b>	<b>50.54</b>
<b>DEPOSIT WORKS</b>	<b>0.00</b>
<b>GRAND TOTAL</b>	<b>50.54</b>

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Form F7

All Figures are  
in Rs Cr**Year-wise Capital Expenditure (FY 2024-25)**

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
<b>33 kV and Above New Works</b>	<b>10.00</b>
<b>System Augmentation &amp; Strengthening</b>	
Providing 66KV transmission line to upcoming 66KV G/S/Stn. Alongwith associated 66KV line bays at Raipur Kalan, UT, Chd.	5.00
Providing 2x20 MVA , 66/11 KV Grid S/Stn. At Raipur Kalan, UT, Chd.	0.00
A. Providing 1x30 MVA 66/11 KV Additional power T/F at 66KV G/S/Stn. Sec- 39, UT, Chd.	
B. Replacement of 14 nos. MOCB with SF6, Breakers at 6KV G/S/Stn. Sec- 52 and Sec- 12, UT, Chd.	0.00
Conversion of 66KV Single circuit to D/C T/L and U/G cable from 220 KVA GSS Kishangarh to 66KV S/Stn. Sec-12 UT Chd to D/C T/L.	5.00
<b>11 kV Existing Spill Over</b>	<b>2.01</b>
<b>System Augmentation &amp; Strengthening</b>	
Up gradation of 11 KV indoor S/Stn by replacement and augmentation of existing old outlived and defective 11 KV and LT OCBs and T/Fs in indoor S/Stn. in Sector 27 B, 27-C and 27-D under Electy OP S/Divn. No.3, Chandigarh. W1/2019/17749	0.56
RCE for replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs of 11KV & LT OCBs of 11KV I/D S/Stn. Sec.21C & 21A under Electy. OP S/Divn.No.3, Sec.18A, Chandigarh.	0.34
RCE for up gradation of 11KV I/D S/Stn. by replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs and transformers in I/D S/Stn. Sec.19A, 19B , 19C & 19D under Electy. OP S/Divn.No.3, Sec.18A, Chandigarh.	1.11
<b>11 kV Existing New Works</b>	
<b>System Augmentation &amp; Strengthening</b>	<b>6.12</b>
GSC SUB DIVN. NO.1	0.37
GSC, ELECTY. SUB DIVN. NO.2	0.37
GSC SUB DIVN. NO.4	0.37
GSC OP 9	0.37
GSC OP 10	0.37
GSC Sub Divn No. 5	0.13
GSC Sub Divn No. 8	0.09
RCE for providing independent 11kv U/G feeder for village daria from 66kv grid sub station IT park kishangarh Chandigarh for improvement of reliability of power supply in the area under electy ,op sub division no 5 chandigarh.	0.20
RCE for providing new 11kv U/G feeder for strengthening 11kv supply system in sector-48 chandigarh under jurisdiction of Electy OP S/Division . No 5 UT Chandigarh.	0.20
Providing industrial service connections under electy ,op sub division no 5 chandigarh for the year 2022-2023, 2023-24 & 2024-25.	0.08
Providing gernal service connections under electy ,op sub division no 5 chandigarh for the year 2022-2023, 2023-24 & 2024-25.	0.16
RCE for replacement of 11 kv U/G XLPE cable 3x185 mm2 of Ram darbar1 feeder with 11kv U/G 3x300mm2 XLPE cable from 66 kv grid sub station ind area ph 1chd. for improvement of power supply in the area under electy ,op sub division no 5 chandigarh	0.08
RCE for replacement of 11 kv U/G XLPE cable 3x185 mm2 of Ram darbar2 feeder with 11kv U/G 3x300mm2 XLPE cable from 66 kv grid sub station Ind area ph 1chd. for improvement of power supply in the area under electy ,op sub division no 5 chandigarh	0.07

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Form F7

All Figures are  
in Rs Cr**Year-wise Capital Expenditure (FY 2024-25)**

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
Rough Cost estimate for providing additional 4x315 KVA P/M T/F near SCF 267, 326 ,238 & 401 for deloading the existing the 200 KVA P/M T/F near SCF 268 and 300 KVA PM T/F near SCF 225 Motor Market Manimajra Under Electy. OP S/Divn. No.8, UT Chd.	0.32
Rough Cost estimate for Augmentation of 100/200 KVA T/Fs with 3X315 KVA P/M T/Fs and replacement of existing outlived 80 Sqmm & 8 No. ACSR conductor with 103Sqmm ACSR Conductor Village Kishangarh/ Bhagwanpura, under Electy. OP S/Divn. No.8, UT Chd.	0.33
Rough Cost estimate for Augmentation of 3X200 KVA T/Fs with 3X315 KVA P/M T/Fs and additional 1X315KVA P/M T/F near H. NO.270 Indra Colony, under Electy. OP S/Divn. No.8, UT Chd.	0.31
Rough Cost estimate for providing 2X315 KVA P/M T/F near park Gobindpura and Infront of H.No. 1643-44, near Quila for de-loading the existing 315 KVA P/M T/F Near Quila and 300 KVA P/M T/F Manimajra Under Electy. OP S/Divn. No.8, UT Chd.	0.17
Rough Cost estimate for providing 315 KVA P/M T/F NearH. No. 6191 duplex Manimajra to deloading the existing the 300 KVA P/M T/F Near H.No.-6026 at duplex Manimajra, Under Electy. OP S/Divn. No.8, UT Chd.	0.08
Rough Cost estimate for augmentation of existing 11 KV XLPE 3x150 mm2 cable with 300mm2 of indira colony feeder emanating from 66 KV Grid IT Park Under Electy. OP S/Divn. No.8, UT Chd.	0.11
Rough Cost estimate for augmentation of existing 11 KV XLPE 3x150 mm2 cable with 300mm2 of new town feeder emanating from 66 KV Grid IT Park Under Electy. OP S/Divn. No.8, UT Chd.	0.11
Rough Cost estimate for replacement of outlived existing HT/LT line 80/103 Sqmm. ACSR Conductor with 103 Sqmm ACSR Conductor of New City Feeder Manimajra, Under Electy. OP S/Divn. No.8, UT Chd.	0.25
Rough Cost estimate for replacement of outlived existing HT line 30/80 Sqmm. ACSR Conductor with 103 Sqmm ACSR Conductor of AWHO Feeder Manimajra, Under Electy. OP S/Divn. No.8, UT Chd.	0.25
Rough Cost estimate for augmentation of 100KVA P/M T/Fs with 3x315 KVA P/M T/Fs installed near Tej farm, Gafoor dairy and Fish Market Shashtri Nagar Manimajra, Under Electy. OP S/Divn. No.8, UT Chd.	0.19
RCE for straitening of distribution system by augmentation of outlived 80 Sqmm ACSR & 8 No. Conductor with 103 Sqmm ACSR conductor and oulived existing LT Cables and consumer services with new cables in the area of main bazar, Gobindpra, Nagla & Balmiki Mohalla MM, under Electy. OP S/Divn. No.8, UT Chd.	0.32
RCE for replacement of 11KV O/H line by providing U/G 3CX300Sqmm 11KV XLPE Cable of 11KV Kalka Feeder emanating from 66KV Grid S/Stn. BBMB, under Electy. OP S/Divn.No. 8 manimajra CHD.	0.84
<b>11 kV Below New New Works</b>	<b>23.79</b>
New Infrastructure	
Rough cost estimate for replacement of 11KV O/H bare conductor with 11KV 3 X 300Sq. mm XLPE cable/ Aerial Bunched Cable along with improvement and augmentation of LD System in village Kaimbwala, under Electy. 'OP' S/Divn. No. 2, Chandigarh ( A & A No. 8046 dt. 08.05.18)	0.50
Rough Cost Estimate for Strengthening of Distribution System with replacement of existing old/overheated and defective HT OCBs with new HT VCBs of 11 KV I/D Sub Stations in Sec.17 Chandigarh. ( A & A no. 3274 dated 03.03.2020)	2.00
Providing LT ACB as well as LT Shunt Capacitor on existing 300/315 KVA Pole mounting T/F under the area of jurisdiction of Sub Divn. No. 2. ( A & A No. 1526 dated 29.01.2020)	0.40
Providing 2x315 KVA P/M, T/F near # 2135 (Shastri Market), Sector 22-C to give relief to the existing 2x200 KVA P/M T/F 2x300 P/M T/F and LT O/G 6 from I/D S/Stn. Sector 22-A and shifting of 320 Nos. single phase meter outside from consumer premisses and replacement of existing outlived conductor of size. 0.1 / 0.075 / 0.05/ .08 in Shashtri Market, Chandigarh (A & A No. 2875 dated 15.02.2020)	0.35
RCE for strengthening of distribution system with replacement of existing old / over heated and defective HT OCBs with new HT VCBs of 11 KV I/D, S/Stn. Sector 23-B, Sector 23-C and 23-D, Chandigarh	0.35
RCE for strengthening of distribution system with replacement of existing old / over heated and defective HT OCBs with new HT VCBs of 11 KV I/D, S/Stn. Sector 22-A (Complaint Centre), Sector-22-A (Shopping Centre), Sector 22-B (New), Sector 22-B (Backside Hotel Sunbeam), Sector 22-B (Old Sabji Wala, Sector 22C, Sector 22-D, Chandigarh	0.75
Rough cost estimate for providing 5x315 KVA P/M S/Stn near # 10&382 & 328.Sector 7A and # 1775, 1628, Sector 7 C for improvement of LD system under AEE, Electricity OP Sub Divn.No.2, Chandigarh	0.20
Rough cost Estimate for providing 11KV independent underground feeder from 66KV Grid S/Stn, I.T Park to 11 KV I/D S/S/Stn, Sector-7A, Chandigarh for improvement of L.D system under Sub- Division No 2, Sector 10, Chandigarh.	0.70
Rough cost estimate for replacement of 11KV O/H bare conductor with 11KV 3 X 300Sq. mm XLPE cable/ Aerial Bunched Cable along with improvement and augmentation of LD System in village Khuda Alisher, Chandigarh under Electy. 'OP' S/Divn. No.2, Chandigarh	1.00
RCE for replacement / augmentation of 11 kV O/H line of 11 KV PEC feeder with 3 x 300mm2 U/G cable for improvement of LD system under the jurisdiction of Sub Divn.- 4, Sec-15, Chandigarh.	0.45
RCE for replacement of LT OCB with LT ACB in Sec-12, Chandigarh.	0.25
RCE for replacement of LT OCB with LT ACB in Sec-14, Chandigarh.	0.25
Special est. for capital maintenance of power T/F overhauling of 33/11 KV 6 MVA T-1, 33/11 KV 10/12.5 MVA T-1, 33/11 KV 6 MVA power T/F at grid sub station Sector-17, UT, Chandigarh	0.30

## 7798/2022/Legal Section

Form F7

All Figures are  
in Rs Cr**Year-wise Capital Expenditure (FY 2024-25)**

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
RCE for providing 2 Nos. U/G 11 KV feeder from New 66 KV G/S/Stn. Sarangpur to provide the dual source of Supply to various category houses in Police Complex (Under Construction) at Village Dhanas and deload the existing 11 KV Rehabilitation feeder & Dhanas feeder.	0.85
RCE for Replacement/ Augmentation of existing 11 KV U/G PILCA cable 3x50 sq.mm with 3x300 sq. mm XLPE cable by providing link between I/D S/Stn Sec 16 B to P/M T/F , H. No. 514 , Sec 16 C under the jurisdiction of Electy. 'OP' Sub/Divn. no.4, Sec. 15C, Chandigarh.	0.10
RCE for Replacement/ Augmentation of existing 11 KV U/G old/ outlived PILCA cable 3x70/185 sq.mm with 3x300 sq. mm XLPE cable from I/D S/Stn Law College P.U. Sec. 14 to O/H line on Pharmacy Feeder & on Pharmacy feeder Near Swimming Pool S/Stn. P.U. & I/D S/Stn. Admin Block to P/M T/F Near Gate No. 2 P.U. Sec 14. under the jurisdiction of Electy. 'OP' Sub/Divn. no.4, Sec. 15C, Chandigarh.	0.15
RCE for providing 315 KVA T/F near CRPF Barrier village Sarangpur for improvement of LD system under the jurisdiction of Sub Divn.- 4, Sec-15, Chandigarh.	0.15
RCE for Replacement of outlived Pilca Cable and augmentation of 3 x 150 mm2 Cable with 3 x 300 mm2 in Sec-14 & 15, Chandigarh.	0.25
RCE for providing 11 KV link between GMSH Sec-16 to 11 KV I/D S/Stn. Sec-16/B, Chandigarh.	0.16
RCE for Replacement of 11 KV OCB with 11 KV VCB at 33 KV G/S/Stn. Sec-17, Chandigarh.	0.65
RCE for Replacement & Aug. of 11 KV Cable portion having No. of joints.	0.25
1. From Tripole Sec-14 to I/D S/Stn. Secv-15/D, Chandigarh.	0.06
RCE for Replacement of old and outlived Main and Sub Main Service wires in village- Dhanas and Milk Colony, Dhanas.	0.15
RCE for providing 11 KV Link between I/D S/Stn. Sec-15/A to I/D S/Stn. Sec-15/B with 3 x300 mm2 XLPE Cable.	0.12
RCE for providing 1 x 315 KVA P/M T/F near Govt. T/well	0.06
RCE for providing 2 x 315 KVA T/F near # 2277 Ambedkar Colony and near Public Toilet Vill. Dhanas.	0.12
RCE for replacement of 11 KV OCB with 11 KV VCB in Sec-12 & Sec-14, Chandigarh.	0.70
Rough Cost Estimate for strengthening the Indoor S/Stn. Sector 17, Chandigarh. by replacing the existing LT OCB/ACB with LT ACB's Chandigarh.	0.15
RCE for replacement of existing 11 KV O/H link Sec.35-Ato Sec.35-D& beside V-4 Road Sec.35 with 300mm2 11 KV U/G cable due to thickly grown up trees to avoid unwanted breakdowns under Electy. OP Sub Divn.No.7, Chd.	0.10
RCE for providing 11 kv U/G independent feeder from 66 kv Sector 34 to 11 kv I/D S/Stn. Sec.36-B Chd. under Electy. OP Sub Divn.No.7, Chd.	0.25
RCE for replacement and augmentation of existing old outlived 1x630 kVA I/D D.T. & 1x800 kVA I/D D.T. with 2x1000 kVA Copper Wound D.T. alongwith replacement and augmentation of existing overheated/ outlived HT/LT OCB's to 11 kv VCB/ LT ACB in 11 kv I/D S/Stn. Sec.36 U.T., Chd.	0.80
RCE for replacement and augmentation of existing old outlived 2x500 kVA I/D D.T. with 2x1000 kVA Copper Wound D.T. alongwith replacement and augmentation of existing overheated/ outlived HT OCB's to 11 kv VCB in 11 kv I/D S/Stn. Sec.37-A, U.T., Chd.	0.40
RCE for providing 11 kv independent feeder from proposed 66 kv Sec.37 to 11 kv I/D S/Stn. Sec.37-A Chd. under Electy. OP Sub Divn.No.7, Chd.	0.20
RCE for providing 1x630 kVA CSS S/Stn. Sec.35-AChd. to deload the existing P/M T/F's for the improvement of LD System in Sec.35-A under Electy. OP Sub Divn.No.7, Chd.	0.20
RCE for replacement and augmentation of existing Outlived( Old more than 25 years) P/M T/F's of capacity of 100/200/300KVA with 315KVA copper wound T/Fs. To increase the efficiency of the T/Fs and to reduce the T & D losses for whole area under jurisdiction of Electy 'OP'S/Div. no-3,UT, Chd.	0.30
RCE for providing 5x315 KVA P/M T/F at sector 46 for deloading of Existing Transformers under Electricity 'OP' S/Divn. No 6 , Sec.20C, Chd	0.20
RCE for replacement and augmentation of existing old outlived 1x630 kVA I/D D.T. with 1x1000 kVA Copper Wound D.T. alongwith replacement and augmentation of existing overheated/ outlived HT OCB/LT ACB's to 11 kv VCB/ LT ACB in 11 kv I/D S/Stn. Sec.37-D, U.T., Chd.	0.30
RCE for replacement and augmentation of existing old outlived 2x800 kVA I/D D.T. with 2x1000 kVA Copper Wound D.T. alongwith replacement and augmentation of existing overheated/ outlived HT/LT OCB's to 11 kv VCB/ LT ACB in 11 kv I/D S/Stn. Sec.34-D, U.T., Chd.	0.40
RCE for providing 1x630 kVA CSS S/Stn. Sec.33C Chd. to deload the existing P/M T/F's for the improvement of LD System in Sec.33-C under Electy. OP Sub Divn.No.7, Chd.	0.15
RCE for replacement and augmentation of existing 11KV U/G 3x150mm2 XLPE cable of 11KV link between 27B to Bhandari wala P/M T/F of O/H Bajwara feeder and link between 27C to P/M T/F near #3214 Sec 27D with underground 3x300mm2 XLPE cable for improvement of LD System under Electy. 'OP' S/Divn. No.-3, UT, Chd.	0.15
Rough cost estimate for replacement and augmentation of existing old, outlived and defective 11 KV & L.T. OCBs of 11KV I/D S/Stn. Sector 28B and 28C & 28D under jurisdiction of Electy. 'OP' S/Divn No 3, Sector-18A, Chandigarh	0.30
Rough cost estimate for replacement and augmentation of existing old, outlived and defective 11 KV & L.T. OCBs of 11KV I/D S/Stn. Sector 18A ,18B, 18C & 18D under jurisdiction of Electy. 'OP' S/Divn No 3, Sector-18A, Chandigarh	0.80
RCE for providing 1000 kVA 04 Nos. CSS in commercial belt Sector 35-B & C under Electy. OP Sub Divn.No.7, Chd	0.30
RCE for replacement and augmentation of existing old outlived 1x630 kVA I/D D.T., 1x800 kVA I/D D.T. with 2x1000 kVA Copper Wound D.T. alongwith replacement and augmentation of existing overheated/ outlived HT/LT OCB's to 11 kv VCB/ LT ACB in 11 kv I/D S/Stn. Sec.34-C, U.T., Chd.	0.25
RCE for providing 11 kv independent underground feeder to commercial belt Sector 35-B & C from 66 kv Sector 34, Chd. under Electy. OP Sub Divn.No.7, Chd.	0.10
Providing GSC under Electy OP S/Divn no.3,6 & 7 for the year 2022-23 to 2024-25	0.15
Rough cost estimate for augmentation of ACSR 30 mm2 of 11 KV Sector 45A feeder with ACSR 80mm2 under Electricity Operation Subdivision No. 9, UT, Chandigarh.	0.15

## 7798/2022/Legal Section

Form F7

All Figures are  
in Rs Cr**Year-wise Capital Expenditure (FY 2024-25)**

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
RCE for augmentation HT cable of 11KV 43 Underground and 11KV 43 Overhead feeders emanating from 66 KV Grid Substation Sector 52 from 3X 150/185 mm2 to 3X300 mm2 XLPE cable and Augmentation of HT and LT ACSR of diffent sizes with ACSR 80 mm2 at different locations in Sector 43 for the improvement of LD system under ELelectricity Operation Subdivision No. 9, Sector 43, Chandigarh.	0.25
RCE for augmentation HT cable of 11KV 44D Underground feeder (Slze of cable 3X150mm2) along with 11 KV links between Indoor Substation Sector 44D to 44A, 44A to 44B, 44B to 44C ( partly overhead and partly underground )& 11 KV 46 feeder link (ACSR 30mm2) with 11 KV 3X300 mm2 XLPE cable and providing 4X315 P/M T/F at different locations in Sector 44 for improvement of of LD system under ELelectricity Operation Subdivision No. 9, Sector 43, Chandigarh.	0.45
Rough Cost Estimate for replacement of outlived, overheated, burnt and damaged outgoing service cables of different sizes and at different locations of Sector-44C &D under the control of SDO, Electy. OP, S/Divn. no. 9, Chandigarh.	0.07
Rough Cost Estimate for replacement of outlived, overheated, burnt and damaged outgoing service cables of different sizes and at different locations in Burail under the control of SDO, Electy. OP, S/Divn. no. 9, Chandigarh.	0.08
Rough Cost Estimate for provinging independent 11 KV U/G feeder for Sec- 41B from 66KV Grid S/Stn., Sector 34 under the control of SDO, Electy, OP, S/Divn. no. 9, Chandigarh.	0.25
RCE for replacement of outlived, overheated, burnt, overheated LT ACSR 0.75sq inch with ACSR 0.1 sq inch of Sector 45 at different locations for the improvement of LD system under SDO, Electy. OP S/Divn. no. 9, Chandigarh.	0.25
Detail estiamte for strenghening the indoor S/Stn. Sector 38 &39, Chandigarh by replacing the Burnt/overheated/outlived and defective/obsolete existing LT OCB /LT ACB with new LT ACB's under the electy. OP S/Divn. no. 10, sec-40, Chandigarh.	0.40
RCE for providing 5X315 P/M T/F S-38 Chandigarh for deloading the existing P/M I/D S/Stn for improvement of LD system under electy OP S/Divn No. 10, Sec-40 B, Chandigarh.	0.15
Rough cost estimate for release of electricity connection to sports complex and under construction showrooms and improvement of L.D system by providing additional 3x315 KVA Pole mounted transformers near S.C.O Sector 39D, near house No 2438 Sector 39C and house No 1058 Sector 39B under electy ' op' S/Divn no 10 Sector 40 Chandigarh	0.12
Rough cost estimate for providing 02 Nos. 315 KVA distribution transformer for deloading the existing transformer and improvement of LD system in Vill. Dadumajra, Chandigarh under the jurisdiction of Electy. 'OP' S/Divn. No. 10, Sec-40B, Chandigarh.	0.10
Rough cost estimate for Augmentation/upgradations of existing LD System along with shifting of LT over head lines to maintain safe clearance from residential area in Dadu Majra colony, under Electy. 'OP' S/Divn. No.10 Sector-40B, Chandigarh.	0.30
RCE for strenthening the indoor Stn Sector-40-A, 40 B and 40 C Chandigarh by replacing the burnt/overheated/outlived and defective/obsolete existing LTOCB/LTACB with new LTACB's under the Electy OP /Divn No. 10, Sec-40 B, Chandigarh.	0.40
Rough cost Estimate for Replacement and augmentation of existing 3x185mm2 cable of 11KV U/G Sector-42 feeder from 66KV G/S/Stn. Sector 52 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh.	0.10
Rough cost estimate for up gradation of 11 KV I/D SubStations by replacement & Augmentation of existing old, outlived and defective 11 KV & L.T CBs in I/D S/Stn. Sector 41A& 42-C under Electy. 'OP'S/D No 9, Sector-43, Chandigarh.	0.35
Rough Cost Estimate for providing 11kv underground independent feeder and 1X 630 KVA CSS to de-load the existing 11kv overhead feeder and pole mounted transformers of village Palsora for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh.	0.40
R.C.E. for augmentation of existing 02 No 200 KVA P/M T/F with 630 KVA CSS near Sunrise Hotel & Govt. School and replacement of old, worn out ACSR conductor and LT cables in Village Kajheri for improvement of LD system under Electy 'op' S/ Divn no.-9, Chandigarh.	0.20
R.C.E. for replacement of old, worn out ACSR conductor and LT cables in Village Palsora, Buterla and Badheri for improvement of LD system under Electy 'op' S/ Divn no.-9, Chandigarh.	0.25
R.C.E. for augmentation of old and outlived existing 750/800 KVA T/Fs with 1000 KVA T/Fs in various 11 KV indoor Sub Stations for improvement of LD system under Electy 'op' S/ Divn no.-9, Chandigarh.	1.10
Rough cost estimate for up gradation of 11 KV I/D Sub Stations by replacement & Augmentation of existing old, outlived and defective 11 KV & L.T OCBs/ACBs in I/D S/Stn. Sector 44-A, B, D under Electy. 'OP'S/D No 9, Sector-43, Chandigarh	0.70
Rough cost estimate for up gradation of 11 KV I/D Sub Stations by replacement & Augmentation of existing old, outlived and defective 11 KV & L.T OCBs/ACBs in I/D S/Stn. Sector 45C & 43-B under Electy. 'OP'S/D No. 9, Sector-43, Chandigarh	0.35
Rough cost estimate for providing 2x630KVA Packaged Sub Stations in village Burail in placxe of existing 750KVA Cabin Sub Station under Electy OP Sub Divn. No.9, Sec-43, Chandigarh.	0.35
Rough cost estimate for providing 6 x 315 KVA P/M T/Fs to de-load the existing Pole Mounted transformers of villages Buterla and Badheri for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh	0.25
<b>Total</b>	<b>41.92</b>
<b>DEPOSIT WORKS</b>	<b>0.00</b>

**7798/2022/Legal Section**

Form F7

All Figures are  
in Rs Cr

Year-wise Capital Expenditure (FY 2024-25)

Details of Capital Expenditure-scheme-wise	
Name of scheme/ Project	Total Capex till end of the Year
GRAND TOTAL	41.92

## 7798/2022/Legal Section

Form F9

Capital Works in Progress

(₹ crore)

S. No.	Particulars	FY 2020-21					FY 2021-22				
		Opening Balance	Additions	Capitalisation	Adjustments	Closing Balance	Opening Balance	Additions	Capitalisation	Adjustments	Closing Balance
1	2	24	25	26	27	28	29	30	31	32	33
1	ED-Chandigarh	51.73	48.59	18.08		82.25	82.25	-	8.60		73.65



## 7798/2022/Legal Section

Form F9

Capital Works in Progress

(₹ crore)

S. No.	Particulars	FY 2022-23					FY 2023-24					FY 2024-25				
		Opening Balance	Additions	Capitalisation	Adjustments	Closing Balance	Opening Balance	Additions	Capitalisation	Adjustments	Closing Balance	Opening Balance	Additions	Capitalisation	Adjustments	Closing Balance
1	2	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	ED-Chandigarh	73.65	40.03	33.11		80.57	80.57	50.54	23.86		107.25	107.25	41.92	64.45		84.72

7798/2022/Legal Section

Form F10

Commissioning / Capitalisation Plan - Master

(Information to be provided for all heads either spilling into the period starting from previous year to the end year of control period)

Name of Scheme	Project Details																			
	Capitalisation Up to FY 2020-21				Capitalisation incurred in FY 2021-22				FY 2022-23				FY 2023-24				FY 2024-25			
	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total
<b>Capitalization during FY 2020-21</b>	<b>5.35</b>	<b>2.29</b>	<b>0.00</b>	<b>7.65</b>																
<b>Capitalization during FY 2021-22</b>					<b>6.02</b>	<b>2.58</b>	<b>0.00</b>	<b>8.60</b>												
<b>11 kV Existing New Works</b>					1.21	0.52	0.00	1.72												
System Augmentation & Strengthening																				
GSC SUB DIVN. NO.1					0.10	0.04	0.00	0.14												
GSC. ELECTY. SUB DIVN. NO.2					0.10	0.04	0.00	0.14												
GSC SUB DIVN. NO.4					0.10	0.04	0.00	0.15												
GSC OP 9					0.04	0.02	0.00	0.05												
GSC OP 10					0.04	0.02	0.00	0.05												
AUG OF 100 KVA P/M T/F TO 315 KVA P/M S/STN TO RELEASE THE ELECTY CONNECTION TO NEWLY CONSTRUCTED GOVT. M. HIGH SCHOOL SEC-12 CHD ( 1BM NO W1/2019/17844)					0.04	0.02	0.00	0.06												
TENDER NO. OPI/35/2019-20 FOR STRENGTHENING THE INDOOR SUBSTATION SECTOR 16B, 16D AND 5B BY REPLACING THE EXISTING LTOCB WITH LT ACBs CHANDIGARH					0.18	0.08	0.00	0.26												
TENDER NO. OPI/16/19-20 FOR STRENGTHENING THE INDOOR SUBSTATION SECTOR 22A, 22D, 23C, 24C, CHD					0.42	0.18	0.00	0.60												
PURCHASE OF 2 VIKT 100 AGVR EXIDE LED ACID DRY CELLS THROUGH GEM AS PER SPECIFICATION THE LED IN THE ESTIMATE FOR 220 VOLT 100AH D.C BATTERY BANK AT 66 KV GRID SUB STATION SEC-18A CHANDIGARH					0.02	0.01	0.00	0.02												
Supply, fabrication and installation of One No. Boom type Sky lift suitable for safe working height of 10Mtrs, and outreach of 4. Mtrs, with safe working load of 250 Kgs. Complete as per detail specification for the Mtc. Of power system and the street light under Electy S/Divn.No.5 I/A Phase I Chandigarh					0.03	0.01	0.00	0.05												
Supply, fabrication and installation of One No. Boom type Sky lift suitable for safe working height of 10Mtrs, and outreach of 4. Mtrs, with safe working load of 250 Kgs. Complete as per detail specification for the Mtc. Of power system and the street light under Electy S/Divn.No.8 I/A Phase I Chandigarh					0.03	0.01	0.00	0.05												
RCE estimate for replacement of full wave controlled battery charger with Battery Bank of DC DB at 66 KV and S/Stn Manimajra ElectyOP Sub Division No. 8 MM Chd					0.02	0.01	0.00	0.02												
Providing additional 2 x315KVA P/M T/F near House No. 274 sector 55 and near Mandir village Palsora,Chandigarh for improvement of LD system near Elecy Op S/Divn. No. 9 Chandigarh.					0.09	0.04	0.00	0.13												
<b>11 kV Below New New Works</b>																				
System Augmentation and Strengthening																				
RCE for providing 3 x 315 KVA P/M T/F near Gate No.-1, Gate No.-2 and near Girls Hostel N0.-3, P.U., Sec-14 for deloading the existing LD system Under Electy OP S/Divn.-4, Sec-15, Chandigarh. ( A & A No. 8675 Dated30.05.2019 )					0.15	0.07	0.00	0.22												
<b>33 kV and Above New Works</b>																				
System Augmentation & Strengthening																				
Prov. Double Circuit 66KV U/G Transmission Line by laying Single Core 1000Sq.mm XLPE Cable from existing 66KV Tower near Govt. School (New), Sector-12 to the 66KV G/S/Sn., Sarangpur (New), Chandigarh alongwith Const. of 2Nos. Line associated Bays at 66/11KV G/S/Stn, Village - Sarangpur, Chandigarh.					4.66	2.00	0.00	6.66												

# 7798/2022/Legal Section

Form F10

**Commissioning / Capitalisation Plan - Master**  
(Information to be provided for all heads either spilling into the period starting from previous year to the end year of control period)

Name of Scheme	Project Details																			
	Capitalisation Up to FY 2020-21				Capitalisation incurred in FY 2021-22				FY 2022-23				FY 2023-24				FY 2024-25			
	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total
<b>Capitalization during FY 2022-23</b>										<b>23.17</b>	<b>9.93</b>	<b>0.00</b>	<b>33.11</b>							
<b>33 kV and Above Spill Over</b>																				
System Augmentation & Strengthening																				
Providing 02 No.66 KV circuits from 220 KV grid sub station, Hallomajra, Chandigarh to be terminated at existing 66 KV tower No.07 located near railway crossing bridge, Indl. Area, Phase-II for feeding 66 KV grid sub-station, I/A phase-I and 66 KV grid sub-station, I/A, Phase-II, UT., Chandigarh.										1.36	0.58	0.00	1.94							
Providing 2x20 MVA, 66/11 KV Grid S/Stn. At Raipur Kalan, UT, Chd.										0.14	0.06	0.00	0.20							
Up-gradation of Transformation capacity at 66/11 KV S/Stn. By replacing existing 2x12.5 MVA with 2x20 MVA T/F, 66/11 KV T/F and shifting and re-installation of 2x12.5 MVA T/F at existing 66/11 KV S/stn. At Civil Sectt. Sec- 1 & Sec- 12, Chd.										0.35	0.15	0.00	0.50							
Providing double circuit 66KV U/G transmission line by laying single core 1000 sq mm XLPE cable from existing 66KV tower near govt School (new) sector 12 to 66KV grid sub station, sarangpur new, chd along with construction of 2 no. line associated bay at 66/11 kv GSS Sarangpur										4.45	1.91	0.00	6.36							
<b>11 kV Schemes</b>																				
Replacement of old obsolete damaged and outdated LT panels installed in 11 KV/I/D S/stn. Sector 41-A, Chandigarh under Jurisdiction of Eley. Op S/divn. No. 9, Chandigarh. W1/2015/13744.										0.08	0.03	0.00	0.11							
REC for Augmentation/upgradations of existing LD System along with shifting of LT over head lines to maintain safe clearance from residential area in Maloya colony, under Electy. 'OP' S/Divn. No.10 Sector-40B, Chandigarh.										0.42	0.18	0.00	0.60							
Detailed estimate for providing 4x315 KVA P/M T/F in Badu Majra Colony, Chandigarh for deloading the existing P/M T/F and improvement of LD system under Electy 'OP' S/Divn. No. 10, Sec-40B, Chandigarh.										0.18	0.08	0.00	0.25							
Rough cost estimate for providing 315 KVA P/M T/Fs to de-load the existing Pole Mounted transformers of village Attawa for the improvement of LD system under the control of the Electy. 'OP' S/Div. No.9, Sector-43 A, Chandigarh.										0.06	0.02	0.00	0.08							
RCE for replacement of existing LT (Jungle) fuse unit with LT ACB as well as LT Shunt Capacitor on 300/315 KVA T/F under Electy. 'OP' Divn. No.4 Chandigarh.										0.28	0.12	0.00	0.40							
GSC SUB DIVN. NO.1										0.22	0.10	0.00	0.32							
GSC, ELECTY. SUB DIVN. NO.2										0.25	0.11	0.00	0.35							
GSC SUB DIVN. NO.4										0.29	0.13	0.00	0.42							
GSC OP 9										0.25	0.11	0.00	0.35							
GSC OP 10										0.25	0.11	0.00	0.35							
GSC Sub Divn No. 5										0.08	0.04	0.00	0.12							
GSC Sub Divn No. 8										0.06	0.02	0.00	0.08							
Providing GSC under Electricity OP S/Division no.3,6 & 7 for the year 2022-23 to 2024-25										0.21	0.09	0.00	0.30							
Supply, delivering testing and commissioning of full wave battery charger alongwith battery bank at DC DB at 66 KV G/S/Stn. Sector 52, Chandigarh (A & A No. 14917 dated 18.08.17)										0.06	0.02	0.00	0.08							
Estimate for Supply, Delivery, Testing, Installation and Commissioning of 220V, 100AH VRLA Battery along with 220 V, 50A Full Wave FCBC to replace the existing Battery Bank and Battery Charger installed at 66 KV Grid Substation, Sec 39, Chandigarh										0.04	0.02	0.00	0.06							
Rough cost estimate for Strengthening of Distribution system by augmentation of ACSR conductor 20/30/52 sq.mm with 103 sq.mm and providing LT intermediate poles between the long LT spans and providing new LT lines in Sec 22, Chandigarh, under the jurisdiction of Electy. 'OP' Sub/Divn. no.1, Sec. 23D, Chandigarh.										0.18	0.08	0.00	0.25							
Rough Cost Estimate for Augmentation/Replacement of burnt/over heated and out lived L.T OCB / ACBs with LT ACBs cubical panel and 11KV OCB with VCB at 11KV I/D S/Stn in Sec 7A, 7B & 7C Chandigarh, for modernization of Sub Station										1.06	0.45	0.00	1.51							
Providing LT ACB as well as LT Shunt Capacitor on 315/300 KVA P/M T/F under the jurisdiction of Electy. 'OP' S/Divn. No. 4, Chandigarh (A & A No. 14140 dt. 16.08.19)										0.21	0.09	0.00	0.30							
RCE for replacement & augmentation of 11 KV U/G Pilca 3x95/120 sq. mm Governor house feeder cable and its concerned 2x120 sq. mm Pilca link cables with 3x300 sq. mm XLPE cable under Electy OP S/Divn. No. 2, UT, Chandigarh. (A&A No. 14900 dated 20.08.19)										0.49	0.21	0.00	0.70							
RCE for providing 3x300 sq. mm XLPE cable from 66 KV G/S/Stn. new Sarangpur to Rural feeder for deloading & 66 KV G/S/Stn. Sector - 12, Chandigarh. (A&A No. 9544 dated 12.06.2019)										0.04	0.02	0.00	0.05							
RCE for prov. Addl. 315 KVA P/M T/F for Electric Supply to newly constructed SCOs in Sector 39-D Chandigarh and deloading the existing T/F.										0.04	0.02	0.00	0.06							
Rough cost estimate of 100 KVA T/F on the plinth with 315 KVA on the plinth of near Govt. High School for release of Electy connection of sport infrastructure and improve the LD system sec-56, Chandigarh.										0.04	0.02	0.00	0.06							
Rough cost Estimate for Replacement and augmentation of existing 3x185mm2 XLPE cable of 11KV Sector-51 old feeder from 66KV G/S/Stn. Sector 52 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh.										0.06	0.02	0.00	0.08							
Replacement of existing LT (Jungle) Fuse unit with LT ACB's of 300/315 KVA P/M T/F under the jurisdiction of Electricity 'OP' S/Division No.3, Sector 18, Chandigarh. (IBM No. W1/2016/14865)										0.21	0.09	0.00	0.30							
Replacement of existing old and defective 11 KV/LT OCBs of 11 KV I/D Sub Station, Sector 35 B, 35 C and 35 D under sub division No.7, Chandigarh. W1/2019/17745										-	0.00	0.00	0.00							
Providing 11 KV U/G independent feeder from 66 KV grid sub-station Sector 35 to 11 KV I/D S/Stn., Sector 35-B, Chandigarh and further extending the same upto parts of Sector 35 A & B along with installation of 2 nos. 315 KVA P/M T/Fs for overall improvement of LD system under the jurisdiction of Electricity OP Sub Division No.7, Sector 35, Chandigarh.										0.45	0.19	0.00	0.65							

# 7798/2022/Legal Section

Form F10

## Commissioning / Capitalisation Plan - Master

(Information to be provided for all heads either spilling into the period starting from previous year to the end year of control period)

Name of Scheme	Project Details																			
	Capitalisation Up to FY 2020-21				Capitalisation incurred in FY 2021-22				FY 2022-23				FY 2023-24				FY 2024-25			
	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total
Up gradation of 11 KV indoor S/Station by replacement and augmentation of existing old outlived and defective 11 KV and LT OCBs and T/Fs in indoor S/Stn. in Sector 27 B, 27-C and 27-D under Electricity OP S/Division No.3, Chandigarh. W1/2019/17749																				
Providing 11 KV independent underground feeder from 66 KV G/S/Station, Sector 34 to 11 KV indoor S/Station, Sector 34 A, Chandigarh. W1/2019/17807																				
Replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs of 11KV & LT OCBs of 11KV I/D S/Station. Sec.21C & 21A under Electricity OP S/DivisionNo.3, Sec.18A, Chandigarh.																				
RCE for up gradation of 11KV I/D S/Station. by replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs and transformers in I/D S/Station. Sec.19A, 19B, 19C & 19D under Electricity OP S/DivisionNo.3, Sec.18A, Chandigarh.																				
RCE for providing 11KV independent U/G feeder from 66KV G/S/Station, Sec-34 to 11KV I/D S/Station. Sec-33A, Chandigarh																				
Replacement of existing 11 KV U/G feeder of O/G Bajwara, O/G Bajwara feeder & southern-II feeder with 11 KV 3x300mm2 U/G cable in Sec.28, Chandigarh and augmentation of existing 11 KV 3x185mm 2 XLPE U/G cable with 11 KV 3x300 mm2 XLPE cable of 11 KV BBMB feeder from 66 KV BBMB I/A Ph-1 upto I/D Sub-station Sec.28-B, Chandigarh for improvement of LD system under Electricity OP S/Division No.3, Chandigarh																				
Providing 11 KV independent underground feeder to 11 KV I/D S/Station, Sec-19A & 19C, Chandigarh from 66KV G/S/Station, Sec-34 for improvement of LD System under Electricity OP S/Division No.3, Chandigarh (IBM Scheme No. W1/2020/19017)																				
Replacement and augmentation of existing 11KV U/G 3x150mm2 XLPE cable of 11 KV 21C feeder from 33 KV G/S/Station, Sec-34 with underground 3x300mm2 XLPE cable for improvement of LD System under Electricity OP S/Division No. 3, Chandigarh																				
Providing new 4x315 KVA P/M T/F near House no. 301 house no 351, near Gugga Marri mandir, and backside Dhobi ghat of sector 32, Chandigarh for deloading of Existing Transformers and augmentation of HT ACSR conductor for improvement of LD system under Electricity OP S/Division No.6, Sec.20C, Chandigarh																				
Providing DG set in 66KV GSS Sector 32 under the jurisdiction of under Electricity OP S/Division no 6 Chandigarh																				
Replacement and augmentation of existing LT overmean burny/ overmeated ACSR conductor (30/80 mm2 to 153mm2 LT ACSR conductor Sector 37-C alongwith augmentation and replacement of main and sub main of Sector 37-C Chandigarh under Electricity OP Sub Division.No.7, Chandigarh.																				
Providing 4x315 KVA T/F for deloading the existing T/F and replacement and augmentation of old and outlived service cable and ACSR 8/6 No to ACSR 103 mm2 in Sector 30 under the jurisdiction of under Electricity OP S/Division no 6 Chandigarh																				
Replacement of condemned Tata Truckno CH01-G-6131 with new vehicle under Electricity Op S/Division no 6 Chandigarh																				
Replacement of condemned Boom Leader CH01-G-1754 with new vehicle under Electricity Op S/Division no 6 Chandigarh																				
RCE for providing new 1x315 KVA P/M T/F near mouse no. 1299, Sec-19-B and augmentation of 100 KVA P/M T/F & 200KVA P/M T/F with new 315 KVA P/M T/F near Dispensary, Sector-28-B, and mtc Booth of Electricity Colony, Sector-28-B respectively for deloading existing 11 KV I/D S/Station. sec.19/B & 28-B Chandigarh under Electricity OP S/Division No.3, Sec.18, Chandigarh																				
Providing 3x315 KVA P/M T/F at sector 49 for deloading of Existing Transformers under Electricity OP S/Division No.6, Sec.20C, Chandigarh																				
RCE FOR AUGMENTATION OF 4*200 KVA TO 4*315 KVA T/F NEAR OM SHANTI MILK COLONY DHANAS NEAR H.NO 190 AND DOUBLE STOREY HOUSE DHANAS, CHANDIGARH FOR IMPROVEMENT OF LD SYSTEM (IBM NO. W1/2019/18098)																				
Tender No. CP-1/27/2020-21 for supply & conversion of various 11 KV U/G feeders passing adjoining / near the Commercial belt of Sector-7, 9 11 & 26 Madhya Marg, Chd in to 11 KV U/G XLPE Cable of size 300 sq. mm including the augmentation of existing 200/300 KVA P/M T/F's with 630 KVA CSS remove the probability of calamity, breakdowns and to strengthen the LD System under the jurisdiction of Electy. OP S/Divn. No. 2, Chandigarh																				
Appointment of Project Management agency for Twerky Execution including Supply Erection commission project Management. Design, engineering, inspection for Smart Grid Project under Electricity S/Divn NO. 5 Chandigarh. (IBM No. G1/2016/15114).																				
Providing individual electricity connections to the residents of outside Lal Dora of Adharsh colony, Sector 54, Chandigarh.																				

# 7798/2022/Legal Section

Form F10

## Commissioning / Capitalisation Plan - Master

(Information to be provided for all heads either spilling into the period starting from previous year to the end year of control period)

Name of Scheme	Project Details																			
	Capitalisation Up to FY 2020-21				Capitalisation incurred in FY 2021-22				FY 2022-23				FY 2023-24				FY 2024-25			
	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total
<b>Capitalization during FY 2023-24</b>																				
<b>33 kV and Above New</b>																				
System Augmentation & Strengthening																				
Replacement /augmentation of 3 no. damaged 66/11KV, 10/12.5 KVA Power Transformer with 20 MVA Power Transformer at 66KV G/S/Stn. Sec-1, BBMB & I/A-Ph-II Chd.													2.80	1.20	0.00					4.00
<b>11 kV Schemes Spill Over</b>																				
Rough Cost Estimates for providing 6x315 KVA P/M T/F at various sites in Sector-44, for improvement of LD system Chd. under Electy. 'Op' S/Divn. No.9, Sec-43, Chd.													0.35	0.15	0.00					0.50
Replacement of existing old and defective 11 KV/LT OCBs of 11 KV I/D Sub Station, Sector 35 B, 35 C and 35 D under sub division No.7, Chandigarh. W1/2019/17745													0.69	0.30	0.00					0.99
Up gradation of 11 KV indoor S/Station by replacement and augmentation of existing old outlived and defective 11 KV and LT OCBs and T/Fs in indoor S/Stn. in Sector 27 B, 27-C and 27-D under Electricity OP S/Division No.3, Chandigarh. W1/2019/17749													-	0.00	0.00					0.00
Replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs of 11KV & LT OCBs of 11KV I/D S/Stn. Sec.21C & 21A under Electricity OP S/Division No. 3, Sec.18A, Chandigarh.													-	0.00	0.00					0.00
RCE for up gradation of 11KV I/D S/Stn. by replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs and transformers in I/D S/Stn. Sec.19A, 19B, 19C & 19D under Electricity, OP S/DivisionNo.3, Sec.18A, Chandigarh.													-	0.00	0.00					0.00
Replacement of existing 11 KV O/H line of U/G Bajwara, O/H Bajwara feeder & southern-II feeder with 11 KV 3x300mm2 U/G cable in Sec.28, Chandigarh and augmentation of existing 11 KV 3x185mm 2 XLPE U/G cable with 11 KV 3x300 mm2 XLPE cable of 11 KV BBMB feeder from 66 KV BBMB I/A Ph-1 upto I/D Sub-station Sec.28-B, Chandigarh for improvement of LD system under Electricity OP S/Division No.3, Chandigarh.													0.83	0.36	0.00					1.19
<b>11 kV Schemes</b>																				
GSC SUB DIVN. NO.1													0.25	0.11	0.00					0.36
GSC ELECTY. SUB DIVN. NO.2													0.25	0.11	0.00					0.36
GSC SUB DIVN. NO.4													0.25	0.11	0.00					0.36
GSC OP 9													0.25	0.11	0.00					0.36
GSC OP 10													0.25	0.11	0.00					0.36
GSC Sub Divn No. 5													0.09	0.04	0.00					0.13
GSC Sub Divn No. 8													0.06	0.03	0.00					0.08
Providing GSC under Electricity OP S/Division no.3,6 & 7 for the year 2022-23 to 2024-25													0.11	0.05	0.00					0.15
RCE for Strengthen the Distribution System after Replacement & Augmentation of 11KV U/G Plica 3x185/120/70sq.mm link or feeder cable with 3x300sq.mm XLPE cable in Sector-9 & 10 under Electy. OP S/Divn. No.2, UT, Chandigarh. (No.11013-14 dated 7.6.16) W1/2016/14189													0.21	0.09	0.00					0.30
Estimate for providing 11 kV independent underground feeder from forthcoming 66 kV Sector-34 to I/D S/Stn. Sector 23-D Chandigarh and thereafter 11 kV link between I/D S/Stn. Sec-23-D and I/D S/Stn. Sec 24-C so as to provide uninterrupted power supply to Judges houses of Sector 24 and to the residence of Sector 23, Chandigarh ( A & A No.12983 dt. 26.02.19)													0.70	0.30	0.00					1.00
Strengthening of distribution system by providing 5 no. 315 KVA P/M T/F for uninterrupted power supply to the residents of the rehabilitation colony Sector 25 Chandigarh ( A & A no. 14426 dt. 13.08.18)													1.09	0.47	0.00					1.55
RCE for replacement & rerouting of 11 KV O/H 15D feeder with 3x 300mm2 XLPE U/G cable for improvement of LD system under the jurisdiction of Sub Divn.- 4, Sec-15, Chandigarh. (IRM No. 2020/18618)													0.42	0.18	0.00					0.60
RCE for providing New 11 KV feeder from 66 KV Sec-39/ upgrading 33 KV Sec-34 to I/D S/Stn. Sec-22C to cater the load of over loading Aroma feeder under the jurisdiction of Electy. 'OP' Sub/Divn. no.1, Sec. 23D, Chandigarh.													0.32	0.14	0.00					0.45
Rough Cost Estimate for Providing 4x315 KVA P/M T/Fs at various sites alongwith replacement & aug.of exstg.old and outlived conductor of LT linesin village Daria for imp. of LD system under jurisdiction of Electy. 'OP' Sub Divn. No. 5, U.T. Chandigarh. (No.11785-R6 dated 1.10.20)W1/2020/19140													0.21	0.09	0.00					0.30
RCE for replacement of Damaged, Outlived and Overaged LT Main & Sub Main Services by way of augmentation in Police Colony Sector-26 including the shifting of Energy Meters outside the premises for the overall improvement of LD System under the jurisdiction of Electy. 'OP' Sub Divn. No. 2, Chandigarh.													0.21	0.09	0.00					0.30
RCE for conversion of 11 KV O/H CPWD Feeder into 11 KV U/G cable of size 300 mm sq. XLPE to reduce the trippings / breakdowns bare minimum under the jurisdiction Electy. 'OP' S/Divn. No. 2, Chandigarh. (I.L.T.)													0.14	0.06	0.00					0.20
RCE for supply of One No. Sky Lift fitted on LCV for the maintenance of Power system of area under complaint centre, DPH, Sec-26, under Electy 'OP' Sub Divn No. 2, Chandigarh.													0.09	0.04	0.00					0.13
Rough cost Estimate for providing 11KV independent underground feeder to newly constructed U.T Sectt. building, Plot No. 7, Sector-9 D from 66KV Grid S/Stn, Sector-1 Chandigarh.													0.53	0.23	0.00					0.75
Rough cost estimate for purchase of bolero make official car / vehicle conforming to BS-VI specifications for field staff AEEs/SDOs under the jurisdiction of Electy. 'OP' Divn. No. 1, Chandigarh.													0.21	0.09	0.00					0.30
Rough cost estimate for replacement of 11KV O/H bare conductor with 11KV 3 X 300Sq. mm XLPE cable/ Aerial Bunched Cable along with improvement and augmentation of LD System in village Khuda Alisher, Chandigarh under Electy. 'OP' S/Divn. No.2, Chandigarh.													0.70	0.30	0.00					1.00
RCE for providing of RMU and CSS in Parade Ground Sec-17, & providing second 11 KV source from Harvana Sectriate feeder.													0.18	0.08	0.00					0.25
RCE for providing 1X315 KVA P/M T/F Near H. No. 1070, Milk Colony & 1x315 KVA P/M T/F Near H. No. 515, Milk Colony Dhanas for improvement of LD system Under Electricity 'OP' S/Division No. 4, Sec-15, Chandigarh.													0.14	0.06	0.00					0.20
Rough Cost Estimate for supply of 1 no. Sky Lift fitted on LCV for maintenance of Power System at Complaint Centre, Sector-17, under Electy. OP S/Divn. No. 4, Sector-15, Chandigarh.													0.16	0.07	0.00					0.23

# 7798/2022/Legal Section

Form F10

## Commissioning / Capitalisation Plan - Master

(Information to be provided for all heads either spilling into the period starting from previous year to the end year of control period)

Name of Scheme	Project Details																							
	Capitalisation Up to FY 2020-21				Capitalisation incurred in FY 2021-22				FY 2022-23				FY 2023-24				FY 2024-25							
	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total				
Rough Cost estimate for special repair of 6MVA , 33/11 KV transformer lying at 33 KV Sub Station, Sector-18 , Chandigarh.																	0.14	0.06	0.00	0.20				
RCE for providing 315 KVA P/M T/F near Dhobi Ghat Sec-15/D for deloading existing 300 KVA T/F backside booth Market, Sec-15/D, Chandigarh.																	0.13	0.05	0.00	0.18				
RCE for replacement of Main Submain Service wire in LIC Flats in Sec-15/D, Chandigarh.																	0.07	0.03	0.00	0.10				
RCE for Replacement/ Augmentation of existing 11 KV U/G PILCA cable 3x50 sq.mm with 3x300 sq. mm XLPE cable by providing link between I/D S/Stn Sec 16 B to P/M T/F , H. No. 514 , Sec 16 C to H. No. 536 , Sec 16 C under the jurisdiction of Electy. 'OP' Sub/Divn. no.4, Sec. 15C, Chandigarh.																	0.10	0.04	0.00	0.14				
Rough cost estimate for replacement of burnt/outlived / damaged ACSR of LT lines with 103mm2 conductor and mains and sub-mains of village Maloya and Dadumajra for Improvement of voltage condition under Electy. 'OP' S/Divn. No.10 Sector-40B, Chandigarh.																	0.42	0.18	0.00	0.60				
Providing 11 KV additional feeder to Sector 43 from 66KV Grid S/Stn Sec- 52 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh.																	0.21	0.09	0.00	0.30				
RCE for augmentation of 100 KVA T/F and 200 KVA T/F on plinth with 315 KVA T/F on plinth near # 6201 & 6464, Sec-56 respectively and also providing 3X315 KVA P/M T/F back side of Gurudawara Shaib Sec/56, # 6701 & 5860 Sec/56, Chandigarh for improvement of LD System Sec/56, UT Chandigarh.																	0.18	0.08	0.00	0.25				
Rough cost estimate for providing 4x315 KVA P/M T/F near Mathru Market, community center, PNB Bank, Kajuroowala to deload the existing pole mounted transformers for improvement of LD system in village Maloya, Chandigarh under the jurisdiction of the Electy. 'OP' S/Divno. 10, Sector-40B Chandigarh.																	0.25	0.11	0.00	0.35				
Rough cost estimate for providing independent 11 KV feeder for Sector-40B, I/D S/Stn from 66 KV G/S/Stn Sector-56, Chandigarh under S/Divn. No. 10, Chandigarh. (No.12728-29, rated. 29.10.20) WJ/2020/19173																	0.35	0.15	0.00	0.50				
Rough cost estimate for providing additional 4x315 KVA P/M T/F's near #1002, #1124 Sector-40B and #2451, #2534 Sector-40C, Chandigarh for improvement L.D. system under Electy. 'OP' S/Divn No.10, Sector-40B, Chandigarh.																	0.21	0.09	0.00	0.30				
Rough cost estimate for providing individual electricity connections to the residents outside Lal Dora of Milk Colony, Maloya and Shahpur Colony under Electy OP Sub Division No. 10, Chandigarh.																	0.25	0.11	0.00	0.35				
Rough Cost Estimate for Replacement of old outlived ACSR conductor with 103Sq.mm alongwith replacement of Service Cables in village Burali under Electy OP Sub Divn. No.9, Sec-43, Chandigarh.																	0.35	0.15	0.00	0.50				
Rough cost Estimate for Replacement and augmentation of existing 3x185mm2 cable of 11KV U/G Burali feeder from 66KV G/S/Stn. Sector 32 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh.																	0.25	0.11	0.00	0.350				
Rough cost estimate for providing 6 x 315 KVA P/M T/Fs to de-load the existing Pole Mounted transformers of villages Buterla and Badheri for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh																	0.39	0.17	0.00	0.55				
Rough cost Estimate for Replacement and augmentation of existing 3x150mm2 XLPE cable of 11KV Progressive feeder from 66KV G/S/Stn. Sector 47 Chandigarh, under the control of Electy 'OP' S/division-9 Chandigarh.																	0.25	0.11	0.00	0.35				
Rough Cost Estimate for providing 11kV underground independent feeder de-load the existing 11kV feeder for Sector-51 for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh.																	0.32	0.14	0.00	0.45				
Providing 5x315 KVA P/M S/Station near #1201,1131 & 1394, Sec-33C and #1577, 1683 Sec-33D for improvement of LD System under S/Division No. 7, Chandigarh																	0.18	0.08	0.00	0.25				
Replacement of old outlived service wire and cable and Augmentation of ACSR 8/6 No with ACSR 103 mm2 in sector 20 under Electricity OP S/Division no 6 Chandigarh																	0.07	0.03	0.00	0.10				
Providing new 4x315 KVA P/M T/F near House no. 301 house no 351, near Gugga Marri mandir, and backside Dhobi ghat of sector 32, Chandigarh for deloading of Existing Transformers and augmentation of HT ACSR conductor for improvement of LD system under Electricity 'OP' S/Division. No 6, Sec.20C, Chandigarh																	0.21	0.09	0.00	0.30				
Replacement of existing outlived OCB/VCB (8 Nos) (O/G and I/C) with VCB of I/C T-3 T/F at 66KV GSS sector 32 under Electricity OP S/Division no 6 Chandigarh																	0.21	0.09	0.00	0.30				
Providing DG set in 66KV GSS Sector 32 under the jurisdiction of under Electricity OP S/Division no 6 Chandigarh																	0.07	0.03	0.00	0.10				
Independent 11KV feeder from 66KV sector 34 to 11KV I/D S/Station Sector 20A under Electricity OP S/Division no 6 Chandigarh																	0.14	0.06	0.00	0.20				
Providing 4x315 KVA T/F for deloading the existing T/F and replacement and Augmentation of old and outlived service cable and ACSR 8/6 No to ACSR 103 mm2 in Sector 30 under the jurisdiction of under Electricity OP S/Division no 6 Chandigarh																	0.14	0.06	0.00	0.20				
Replacement of condemned Tata Truckno CH01-G-6131' with new vehicle under Electricity Op S/Division no 6 Chandigarh																	0.05	0.02	0.00	0.07				
Replacement of condemned Boom Leader CH01-G-1754' with new vehicle under Electricity Op S/Division no 6 Chandigarh																	0.05	0.02	0.00	0.07				
Providing 11 kv Independent U/G feeder from 66 kv S/Stn. Sec.34 to 11 kv I/D S/Stn. Sec.33-D, Chandigarh under Electricity. OP Sub Division.No.7, Chandigarh.																	0.07	0.03	0.00	0.10				
RCE for providing new 1x315 KVA P/M T/F near House no. 1299, Sec-19-B and augmentation of 100 KVA P/M T/F & 200KVA P/M T/F with new 315 KVA P/M T/F near Dispensary, Sector-28-B, and mtc Booth of Electricity Colony, Sector-28-B respectively for deloading existing 11 KV I/D S/Stn. sec.19/B & 28-B Chandigarh under Electricity OP/S/Division No.3, Sec-18, Chandigarh.																	0.21	0.09	0.00	0.30				
																	-	-	0.00	0.00				

# 7798/2022/Legal Section

Form F10

**Commissioning / Capitalisation Plan - Master**  
(Information to be provided for all heads either spilling into the period starting from previous year to the end year of control period)

Name of Scheme	Project Details																			
	Capitalisation Up to FY 2020-21				Capitalisation incurred in FY 2021-22				FY 2022-23				FY 2023-24				FY 2024-25			
	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total
<b>Capitalization during FY 2024-25</b>																	<b>45.12</b>	<b>19.34</b>	<b>-</b>	<b>64.45</b>
<b>33 kV and Above Spill Over</b>																				
System Augmentation & Strengthening																				
Providing 66KV transmission line to upcoming 66KV G/S/Stn. Alongwith associated 66KV line bays at Balpur Kalan, UT. Chd																	9.10	3.90	0.00	13.00
Conversion of 66KV Single circuit to D/C T/L and U/G cable from 220 KVA GSS Kishanagarh to 66KV S/Stn. Sec-12 UT Chd to D/C T/L.																	8.40	3.60	0.00	12.00
<b>11 kV Schemes</b>																				
<b>Spill Over</b>																				
Up gradation of 11 KV indoor S/Station by replacement and augmentation of existing old outlived and defective 11 KV and LT OCBs and T/Fs in indoor S/Stn. in Sector 27 B, 27-C and 27-D under Electricity OP S/Division No.3, Chandigarh. W1/2019/17749																	1.23	0.53	0.00	1.76
Replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs of 11KV & LT OCBs of 11KV I/D S/Stn. Sec.21C & 21A under Electricity OP S/DivisionNo.3, Sec.18A, Chandigarh.																	0.80	0.34	0.00	1.14
RCE for up gradation of 11KV I/D S/Stn. by replacement & augmentation of existing old, outlived and defective 11KV & LT OCBs and transformers in I/D S/Stn. Sec.19A, 19B, 19C & 19D under Electricity, OP S/DivisionNo.3, Sec.18A, Chandigarh.																	1.62	0.69	0.00	2.31
GSC SUB DIVN. NO.1																	0.26	0.11	0.00	0.37
GSC ELECTY. SUB DIVN. NO.2																	0.26	0.11	0.00	0.37
GSC SUB DIVN. NO.4																	0.26	0.11	0.00	0.37
GSC OP 9																	0.26	0.11	0.00	0.37
GSC OP 10																	0.26	0.11	0.00	0.37
GSC Sub Divn No. 5																	0.09	0.04	0.00	0.13
GSC Sub Divn No. 8																	0.06	0.03	0.00	0.09
Providing GSC under Electricity OP S/Division no.3,6 & 7 for the year 2022-23 to 2024-25																	0.11	0.05	0.00	0.15
Rough cost estimate for replacement of 11KV O/H bare conductor with 11KV 3 X 300Sq. mm XLPE cable/ Aerial Bunched Cable along with improvement and augmentation of LD System in village Kainbwa, under Electy. 'OP' S/Divn. No. 2, Chandigarh. (A & A No. 8046 dt. 08.05.18)																	0.49	0.21	0.00	0.70
Rough Cost Estimate for Strengthening of Distribution System with replacement of existing old/overheated and defective HT OCBs with new HT VCBs of 11 KV I/D Sub Stations in Sec.17 Chandigarh. (A & A no. 3274 dated 03.03.2020)																	2.10	0.90	0.00	3.00
Providing LT ACB as well as LT Shunt Capacitor on existing 300/315 KVA Pole mounting T/F under the area of jurisdiction of Sub Divn. No. 2. (A & A No. 1526 dated 29.01.2020)																	0.49	0.21	0.00	0.70
Providing 2x315 KVA P/M, T/F near # 2135 (Shastri Market), Sector 22-C to give relief to the existing 2x200 KVA P/M T/F, 2x300 P/M T/F and LT O/G 6 from I/D S/Stn. Sector 22-A and shifting of 320 Nos. single phase meter outside from consumer premisses and replacement of existing outlived conductor of size. 0.1 / 0.075 / 0.05/ .08 in Shashtri Market, Chandigarh (A & A No. 2875 dated 15.02.2020)																	0.39	0.17	0.00	0.55
RCE for strengthening of distribution system with replacement of existing old / over heated and defective HT OCBs with new HT VCBs of 11 KV I/D, S/Stn. Sector 23-B, Sector 23-C and 23-D, Chandigarh.																	0.39	0.17	0.00	0.55
RCE for strengthening of distribution system with replacement of existing old / over heated and defective HT OCBs with new HT VCBs of 11 KV I/D, S/Stn. Sector 22-A (Complaint Centre), Sector-22-A (Shopping Centre), Sector 22-B (New), Sector 22-B (Backside Hotel Sunbeam), Sector 22-B (Old Sabji Wala, Sector 22C, Sector 22-D, Chandigarh.																	1.05	0.45	0.00	1.50
Rough cost estimate for providing 5x315 KVA P/M S/Stn near # 108382 & 328.Sector 7A and # 1775, 1628, Sector 7 C for improvement of LD system under AEE, Electricity OP Sub Divn.No.2, Chandigarh.																	0.28	0.12	0.00	0.40
Rough cost Estimate for providing 11KV independent underground feeder from 66KV Grid S/Stn, I T Park to 11 KV I/D S/S/Stn, Sector-7A, Chandigarh for improvement of LD system under Sub-Division No.2, Sector 10, Chandigarh.																	0.95	0.41	0.00	1.35
Rough cost estimate for replacement of 11KV O/H bare conductor with 11KV 3 X 300Sq. mm XLPE cable/ Aerial Bunched Cable along with improvement and augmentation of LD System in village Khuda Alisher, Chandigarh under Electy. 'OP' S/Divn. No.2, Chandigarh.																	0.70	0.30	0.00	1.00
RCE for replacement / augmentation of 11 kv O/H line of 11 KV PEC feeder with 3 x 300mm2 U/G cable for improvement of LD system under the jurisdiction of Sub Divn.-4, Sec-15, Chandigarh.																	0.53	0.23	0.00	0.75
RCE for replacement of LT OCB with LT ACB in Sec-12, Chandigarh.																	0.35	0.15	0.00	0.50
RCE for replacement of LT OCB with LT ACB in Sec-14, Chandigarh.																	0.35	0.15	0.00	0.50
Special est. for capital maintenance of power T/F overhauling of 33/11 KV 6 MVA T-1, 33/11 KV 10/12.5 MVA T-1, 33/11 KV 6 MVA power T/F at grid sub station Sector-17, IIT, Chandigarh.																	0.42	0.18	0.00	0.60
RCE for providing 2 Nos. U/G 11 KV feeder from New 66 KV G/S/Stn. Sarangpur to provide the dual source of Supply to various category houses in Police Complex (Under Construction) at Village Dhanas and deload the existing 11 KV Rehabilitation feeder & Dhanas feeder																	1.16	0.50	0.00	1.65
RCE for Replacement/ Augmentation of existing 11 KV U/G PILCA cable 3x50 sq.mm with 3x300 sq. mm XLPE cable by providing link between I/D S/Stn Sec 16 B to P/M T/F, H. No. 514, Sec 16 C under the jurisdiction of Electy. 'OP' Sub/Divn. no.4, Sec. 15C, Chandigarh.																	0.07	0.03	0.00	0.10
RCE for Replacement/ Augmentation of existing 11 KV U/G old/ outlived PILCA cable 3x70/185 sq.mm with 3x300 sq. mm XLPE cable from I/D S/Stn Law College P.U. Sec. 14 to O/H line on Pharmacy Feeder & on Pharmacy feeder Near Swimming Pool S/Stn. P.U. & I/D S/Stn. Admin Block to P/M T/F Near Gate No. 2 P.U. Sec 14, under the jurisdiction of Electy. 'OP' Sub/Divn. no.4, Sec. 15C, Chandigarh.																	0.11	0.05	0.00	0.15
RCE for providing 315 KVA T/F near CRPF Barrier village Sarangpur for improvement of LD system under the jurisdiction of Sub Divn.-4, Sec-15, Chandigarh.																	0.11	0.05	0.00	0.15
RCE for Replacement of outlived Pilca Cable and augmentation of 3 x 150 mm2 Cable with 3 x 300 mm2 in Sec-14 & 15, Chandigarh.																	0.18	0.08	0.00	0.25
RCE for providing 11 KV link between GMSH Sec-16 to 11 KV I/D S/ Stn. Sec-16/B, Chandigarh.																	0.11	0.05	0.00	0.16

# 7798/2022/Legal Section

Form F10

## Commissioning / Capitalisation Plan - Master

(Information to be provided for all heads either spilling into the period starting from previous year to the end year of control period)

Name of Scheme	Project Details																FY 2024-25				
	Capitalisation Up to FY 2020-21				Capitalisation incurred in FY 2021-22				FY 2022-23				FY 2023-24				Debt	Equity	Grants	Total	
	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total					
RCE for Replacement of 11 KV OCB with 11 KV VCB at 33 KV G/S/Str. Sec-17, Chandigarh.																		0.46	0.20	0.00	0.65
RCE for Replacement & Aug. of 11 KV Cable portion having No. of joints.																		0.18	0.08	0.00	0.25
1. From Tripole Sec-14 to I/D S/Str. Sec-15/D, Chandigarh.																		0.04	0.02	0.00	0.06
RCE for Replacement of old and outlived Main and Sub Main Service wires in village-Dhanna and Milk Colony, Dhanna.																		0.11	0.05	0.00	0.15
RCE for providing 11 KV Link between I/D S/Str. Sec-15/A to I/D S/Str. Sec-15/B with 3 x300 mm2 XLPE Cable.																		0.08	0.04	0.00	0.12
RCE for providing 1 x 315 KVA P/M T/F near Govt. T/well																		0.04	0.02	0.00	0.06
RCE for providing 2 x 315 KVA T/F near # 2277 Ambedkar Colony and near Public Toilet Vill. Dhanna.																		0.08	0.04	0.00	0.12
RCE for replacement of 11 KV OCB with 11 KV VCB in Sec-12 & Sec-14, Chandigarh.																		0.91	0.39	0.00	1.30
Rough Cost Estimate for strengthening the Indoor S/Str. Sector 17, Chandigarh. by replacing the existing LT OCB/ACB with LT ACB's Chandigarh.																		0.25	0.11	0.00	0.35
Rough cost estimate for augmentation of ACSR 30 mm2 of 11 KV Sector 45A feeder with ACSR 80mm2 under Electricity Operation Subdivision No. 9, UT, Chandigarh.																		0.18	0.08	0.00	0.25
RCE for augmentation HT cable of 11KV 43 Underground and 11KV 43 Overhead feeders emanating from 66 KV Grid Substation Sector 52 from 3X 150/185 mm2 to 3X300 mm2 XLPE cable and Augmentation of HT and LT ACSR of diffent sizes with ACSR 80 mm2 at different locations in Sector 43 for the improvement of LD system under Electricity Operation Subdivision No. 9, Sector 43, Chandigarh.																		0.32	0.14	0.00	0.45
RCE for augmentation HT cable of 11KV 44D Underground feeder (Size of cable 3X150mm2) along with 11 KV links between Indoor Substation Sector 44D to 44A, 44A to 44B, 44B to 44C ( partly overhead and partly underground ) & 11 KV 46 feeder link (ACSR 30mm2) with 11 KV 3X300 mm2 XLPE cable and providing 4X315 P/M T/F at different locations in Sector 44 for improvement of LD system under Electricity Operation Subdivision No. 9, Sector 43, Chandigarh.																		0.53	0.23	0.00	0.75
Rough Cost Estimate for replacement of outlived, overheated, burnt and damaged outgoing service cables of different sizes and at different locations of Sector-44C & D under the control of SDO, Electy. OP, S/Divn. no. 9, Chandigarh.																		0.08	0.04	0.00	0.12
Rough Cost Estimate for replacement of outlived, overheated, burnt and damaged outgoing service cables of different sizes and at different locations in Burali under the control of SDO, Electy. OP, S/Divn. no. 9, Chandigarh.																		0.10	0.04	0.00	0.14
Rough Cost Estimate for providing independent 11 KV U/G feeder for Sec- 41B from 66KV Grid S/Str., Sector 34 under the control of SDO, Electy, OP, S/Divn. no. 9, Chandigarh.																		0.32	0.14	0.00	0.45
RCE for replacement of outlived, overheated, burnt, overheated LT ACSR 0.75sq inch with ACSR 0.1 sq inch of Sector 45 at different locations for the improvement of LD system under SDO, Electy. OP S/Divn. no. 9, Chandigarh.																		0.25	0.11	0.00	0.35
Detail estimate for strengthening the indoor S/Str. Sector 38 & 39, Chandigarh by replacing the burnt/overheated/outlived and defective/obsolete existing LT OCB /LT ACB with new LT ACB's under the electy. OP S/Divn. no. 10, sec-40, Chandigarh.																		0.42	0.18	0.00	0.60
RCE for providing 5X315 P/M T/F S-38 Chandigarh for deloading the existing P/M I/D S/Strn for improvement of LD system under electy OP S/Divn No. 10, Sec-40 B, Chandigarh.																		0.21	0.09	0.00	0.30
Rough cost estimate for release of electricity connection to sports complex and under construction showrooms and improvement of L.D system by providing additional 3x315 KVA Pole mounted transformers near S.C.O Sector 39D, near house No 2438 Sector 39C and house No 1058 Sector 39B under electy ' op' S/Divn no 10 Sector 40 Chandigarh.																		0.15	0.07	0.00	0.22
Rough cost estimate for providing 02 Nos. 315 KVA distribution transformer for deloading the existing transformer and improvement of LD system in Vill. Dadumajra, Chandigarh under the jurisdiction of Electy. 'OP' S/Divn. No. 10, Sec-40B, Chandigarh.																		0.12	0.05	0.00	0.17
Rough cost estimate for Augmentation/upgradations of existing LD System along with shifting of LT over head lines to maintain safe clearance from residential area in Dadu Majra colony, under Electy. 'OP' S/Divn. No.10 Sector-40B, Chandigarh.																		0.35	0.15	0.00	0.50
RCE for strenthening the indoor Stn Sector-40-A, 40 B and 40 C Chandigarh by replacing the burnt/overheated/outlived and defective/obsolete existing LTOCB/LTACB with new LTACB's under the Electy OP /Divn No. 10, Sec-40 B, Chandigarh.																		0.49	0.21	0.00	0.70
Rough cost Estimate for Replacement and augmentation of existing 3x185mm2 cable of 11KV U/G Sector-42 feeder from 66KV G/S/Str. Sector 52 Chandigarh, under the control of Electy 'OP' S/Division-9, Chandigarh.																		0.21	0.09	0.00	0.30
Rough cost estimate for up gradation of 11 KV I/D SubStations by replacement & Augmentation of existing old, outlived and defective 11 KV & L.T CBs in I/D S/Str. Sector 41A & 42-C under Electy. 'OP'S/D No. 9, Sector-43, Chandigarh.																		0.39	0.17	0.00	0.55
Rough Cost Estimate for providing 11kv underground independent feeder and 1X 630 KVA CSS to de-load the existing 11kv overhead feeder and pole mounted transformers of village Palsora for the improvement of LD system under the control of the Electy. 'OP' S/Div. No.9, Sector-43 & Chandigarh.																		0.49	0.21	0.00	0.70
R.C.E. for augmentation of existing 02 No 200 KVA P/M T/F with 630 KVA CSS near Sunrise Hotel & Govt. School and replacement of old, worn out ACSR conductor and LT cables in Village Kajheri for improvement of LD system under Electy 'op' S/ Divn no.-9, Chandigarh.																		0.49	0.21	0.00	0.70
R.C.E. for replacement of old, worn out ACSR conductor and LT cables in Village Palsora, Buterla and Badheri for improvement of LD system under electy 'op' S/ Divn no.-9, Chandigarh.																		0.32	0.14	0.00	0.45
R.C.E. for augmentation of old and outlived existing 750/800 KVA T/Fs with 1000 KVA T/Fs in various 11 KV indoor Sub Stations for improvement of LD system under Electy 'op' S/ Divn no.-9, Chandigarh.																		1.26	0.54	0.00	1.80
Rough cost estimate for up gradation of 11 KV I/D Sub Stations by replacement & Augmentation of existing old, outlived and defective 11 KV & L.T OCBs/ACBs in I/D S/Str. Sector 44-A, B, D under Electy. 'OP'S/D No 9, Sector-43, Chandigarh																		0.84	0.36	0.00	1.20
Rough cost estimate for up gradation of 11 KV I/D Sub Stations by replacement & Augmentation of existing old, outlived and defective 11 KV & L.T OCBs/ACBs in I/D S/Str. Sector 45C & 43-B under Electy. 'OP'S/D No. 9, Sector-43, Chandigarh																		0.39	0.17	0.00	0.55
Rough cost estimate for providing 2x630KVA Packaged Sub Stations in village Burali in place of existing 750KVA Cabin Sub Station under Electy OP Sub Divn. No.9, Sec-43, Chandigarh.																		0.46	0.20	0.00	0.65



7798/2022/Legal Section

Form F10

**Commissioning / Capitalisation Plan - Master**  
(Information to be provided for all heads either spilling into the period starting from previous year to the end year of control period)

Name of Scheme	Project Details																FY 2024-25			
	Capitalisation Up to FY 2020-21				Capitalisation incurred in FY 2021-22				FY 2022-23				FY 2023-24				Debt	Equity	Grants	Total
	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total	Debt	Equity	Grants	Total				
Rough cost estimate for providing 6 x 315 KVA P/M T/Fs to de-load the existing Pole Mounted transformers of villages Butera and Badheri for the improvement of LD system under the control of the Electy. 'OP' S/Div No.9, Sector-43 A, Chandigarh																	0.32	0.14	0.00	0.45
Replacement of existing 11 kV O/H link Sec.35-Ato Sec.35-D& beside V-4 Road Sec.35 with 300mm2 11 kV U/G cable due to thickly grown-up trees to avoid unwanted breakdowns under Electricity OP Sub Division No.7, Chandigarh																	0.07	0.03	0.00	0.10
Replacement of 11kv 3x300mm2 damaged XLPE UG cable from 66KV GSS BBMB to LT 1 sector 28 Chandigarh under Electricity OP S/Division no 6 Chandigarh																	0.18	0.08	0.00	0.25
Existing 11 kV O/H link between I/D S/Stn. Sec.36-B to C, Sec.36-B to A and Sec.36-A to D with 300mm2 11 kV U/G cable due to thickly grown-up trees to avoid unwanted breakdowns under Electricity OP Sub Division No.7, Chandigarh																	0.07	0.03	0.00	0.10
Providing replacement & augmentation of existing LT O/H overheated / burnt / old outlived ACSR conductor of various size viz. a viz. 30/80/103 mm2 to 153mm2 ACSR conductor of Sector 35 under Electricity OP Sub Division.No.7, Chandigarh																	0.11	0.05	0.00	0.15
Providing 11 kV independent feeder from proposed 66 kV Sec.37 to 11 kV I/D S/Stn. Sec.37-A Chd. under Electricity OP Sub Division.No.7, Chandigarh																	0.14	0.06	0.00	0.20
Providing 1x630 kVA CSS S/Stn. Sec.35-AChd. to deload the existing P/M T/Fs for the improvement of LD System in Sec.35-A under Electricity. OP Sub Division.No.7, Chandigarh																	0.14	0.06	0.00	0.20
Replacement and augmentation of existing LT overhead burnt/ overheated ACSR conductor (30/80 mm2 to 153mm2 LT ACSR conductor Sector 37-C alongwith augmentation and replacement of main and sub main of Sector 37-C Chandigarh under Electricity OP Sub Division No.7, Chandigarh																	0.07	0.03	0.00	0.10
Providing 5x315 KVA P/M T/F at sector 46 for deloading of Existing Transformers under Electricity 'OP' S/Division No 6, Sec.20C, Chandigarh																	0.14	0.06	0.00	0.20
Providing 11 kV alternative feeder to Sector 46 from 66KV Grid S/Station Sec- 47 Chandigarh, under the control of Electricity 'OP' S/division-6 Chandigarh.																	0.07	0.03	0.00	0.10
Providing 3x315 KVA P/M T/F at sector 49 for deloading of Existing Transformers under Electricity 'OP' S/Division No 6, Sec.20C, Chandigarh																	0.14	0.06	0.00	0.20
Providing 1x630 kVA CSS S/Stn. Sec.33C Chandigarh to deload the existing P/M T/Fs for the improvement of LD System in Sec.33-C under Electricity. OP Sub Division.No.7, Chandigarh																	0.11	0.05	0.00	0.15
Replacement and Augmentation of existing 11KV XLPE 3x150mm2 U/G Cable with 11KV XLPE 3x300mm2 cable of 49 C&D feeder from 66KV GSS Sec47 to Light Point Sec 49B, under the control of Electricity 'OP' S/division-6 Chandigarh																	0.14	0.06	0.00	0.20
Replacement and augmentation of existing old, outlived and defective 11 KV & L.T. OCBs of 11KV I/D S/Stn. Sector 28B and 28C & 28D under jurisdiction of Electricity 'OP' S/Division No 3, Sector-18A, Chandigarh																	-	-	0.00	0.00
Replacement and augmentation of existing old, outlived and defective 11 KV & L.T. OCBs of 11KV I/D S/Stn. Sector 18A, 18B, 18C & 18D under jurisdiction of Electricity 'OP' S/Division No 3, Sector-18A, Chandigarh																	-	-	0.00	0.00
Providing 1000 kVA 04 Nos. CSS in commercial belt Sector 35-B & C under Electricity. OP Sub Division.No.7, Chandigarh																	-	-	0.00	0.00
Replacement and augmentation of existing old outlived 1x630 kVA I/D D.T., 1x800 kVA I/D D.T. with 2x1000 kVA Copper Wound D.T. alongwith replacement and augmentation of existing overheated/ outlived HT/LT OCBs to 11 kV VCB/ LT ACB in 11 kV I/D S/Stn. Sec 34-C H.T. Chandigarh																	-	-	0.00	0.00
Providing 11 kV independent underground feeder to commercial belt Sector 35-B & C from 66 kV Sector 34, Chandigarh under Electricity OP Sub Division.No.7, Chandigarh																	0.07	0.03	0.00	0.10
<b>Sub-Total</b>																	<b>5.35</b>	<b>2.29</b>	<b>0.00</b>	<b>7.65</b>
<b>DEPOSIT WORKS</b>																				
<b>GRAND TOTAL</b>																	<b>5.35</b>	<b>2.29</b>	<b>0.00</b>	<b>7.65</b>

## 7798/2022/Legal Section

Form F12

## Calculation of Weighted Average Rate of Interest on Actual Loans

Particulars	Type of Loan (whether "PS" or "WC")	FY 2020-21 Actuals							FY 2021-22 Estimated						
		Gross Loan - Opening (₹ crore)	Add: Draws during the year (₹ crore)	Less: Repayment of Loan during the year (₹ crore)	Closing Balance of loan (₹ crore)	Average loan (₹ crore)	Rate of Interest on loan (%)	Interest on loan (₹ crore)	Gross Loan - Opening (₹ crore)	Add: Draws during the year (₹ crore)	Less: Repayment of Loan during the year (₹ crore)	Closing Balance of loan (₹ crore)	Average loan (₹ crore)	Rate of Interest on loan (%)	Interest on loan (₹ crore)
		3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Normative Loan		0.00	12.66	11.00	1.66	0.83	8.75%	0.07	1.66	6.02	11.49	0.00	0.83	8.00%	0.07
Bank Charges								1.35							1.35
Total IOL & FC								1.42							1.42
Weighted average Rate of Interest on Loans (in % (Separately for "PS" and "WC")															

## 7798/2022/Legal Section

Form F12

## Calculation of Weighted Average Rate of Interest on Actual Loans

Particulars	Control period Projections																				
	FY 2022-23							FY 2023-24							FY 2024-25						
	Gross Loan - Opening (₹ crore)	Add: Draws during the year (₹ crore)	Less: Repayment of Loan during the year (₹ crore)	Closing Balance of loan (₹ crore)	Average loan (₹ crore)	Rate of Interest on loan (%)	Interest on loan (₹ crore)	Gross Loan - Opening (₹ crore)	Add: Draws during the year (₹ crore)	Less: Repayment of Loan during the year (₹ crore)	Closing Balance of loan (₹ crore)	Average loan (₹ crore)	Rate of Interest on loan (%)	Interest on loan (₹ crore)	Gross Loan - Opening (₹ crore)	Add: Draws during the year (₹ crore)	Less: Repayment of Loan during the year (₹ crore)	Closing Balance of loan (₹ crore)	Average loan (₹ crore)	Rate of Interest on loan (%)	Interest on loan (₹ crore)
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Normative Loan	0.00	23.17	12.24	10.93	5.47	8.00%	0.44	10.93	16.70	13.27	14.37	12.65	8.00%	1.01	14.37	45.12	14.86	44.63	29.50	8.00%	2.36
Bank Charges							0.00							0.00							0.00
Total IOL & FC							0.44							1.01							2.36
Weighted average Rate of Interest on Loans (in %) (Separately for "PS" and "WC")																					

7798/2022/Legal Section  
Form F14Working Capital Requirements

S. No.	Particulars	FY 2020-21	FY 2021-22	Control Period		
		Actual	Estimated	Projections		
				FY 2022-23	FY 2023-24	FY 2024-25
A)	O&M Expenses					
i)	R&M Expenses	16.65	11.06	13.89	14.84	15.53
ii)	A&G Expenses	5.00	7.69	7.55	8.01	8.49
iii)	Employee Cost	72.70	80.48	93.86	99.49	105.46
iv)	Total O&M Expenses	94.35	99.23	115.31	122.34	129.48
v)	O&M Expenses for 1 Month	7.86	8.27	9.61	10.20	10.79
B	Maintenance Spares @40% of R&M Expenses for One Month	0.56	0.37	0.46	0.49	0.52
C	Receivables equivalent to two (2) month of the expected revenue from charges for use of Distribution Wires at the prevailing tariffs.	116.90	126.89	139.22	143.22	147.38
D	Less: Amount, if any, held as security deposits from Distribution System Users	190.10	193.76	197.51	201.35	205.28
E	Total Working Capital (A (v)+B+C-D)	-64.78	-58.23	-48.22	-47.44	-46.59
F	Rate of Interest **	9.75%	8.00%	8.00%	8.00%	8.00%
G	Interest on Working Capital	0.00	0.00	0.00	0.00	0.00

## 7798/2022/Legal Section

Form F15

## Fixed Assets &amp; Provision for Depreciation

Fixed Assets and Depreciation For True Up year and each Year of MYT Control Period

(₹ crore)

S. No	Particulars	Rate of Depreciation (%)	Rate of Dep for addition FY 19-20 onwards	Rate of Dep for addition FY 22-23 onwards	Amount (₹ crore) (A)	Contribution from Subsidies/ Grants/ Beneficiaries' Contribution / Consumers Contribution (B)	Value of Asset eligible for depreciation (C=A-B)	FY 2020-21						
								Fixed Assets, excluding Consumer Contribution /Grants/Subsidies						
								At the start of the Year	Addition during the Year (D=C)	Deduction	Total Depreciable base	At the end of the Year	Depreciation	
1	Land		0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Building	3.34%	1.80%	1.80%	0.00	0.00	0.00	36.42	0.00	6.58	29.84	29.84	0.54	
3	Plant & Machinery	5.28%	3.60%	3.60%	17.82	0.00	17.82	419.10	17.82	139.35	279.75	297.57	10.39	
4	Tools & Tackles	5.28%	6.00%	6.00%	0.00	0.00	0.00	0.44	0.00	0.44	0.00	0.00	0.00	
5	Vehicles	9.50%	18.00%	18.00%	0.07	0.00	0.07	0.96	0.07	0.71	0.25	0.32	0.05	
6	Furniture and Fixtures	6.33%	6.00%	6.00%	0.06	0.00	0.06	0.12	0.06	0.08	0.04	0.10	0.00	
7	Office/ IT Equipments	6.33%	6.00%	6.00%	0.13	0.00	0.13	0.72	0.13	0.61	0.11	0.25	0.01	
	<b>TOTAL</b>				<b>18.08</b>	<b>0.00</b>	<b>18.08</b>	<b>457.77</b>	<b>18.08</b>	<b>147.77</b>	<b>309.99</b>	<b>328.08</b>	<b>11.00</b>	
	Total as per Audited Account (for True up year only)													

## 7798/2022/Legal Section

Form F15

## Fixed Assets and Depreciation For True Up year and each Year of MYT Control Period

S. No	Particulars	Rate of Depreciation (%)	Rate of Dep for addition FY 19-20 onwards	Rate of Dep for addition FY 22-23 onwards	Amount (₹ crore) (A)	Contribution from Subsidies/ Grants/ Beneficiaries' Contribution / Consumers Contribution (B)	Value of Asset eligible for depreciation (C=A-B)	FY 2021-22						
								Fixed Assets, excluding Consumer Contribution /Grants/Subsidies						
								At the start of the Year	Addition during the Year (D=C)	Deduction	Total Depreciable base	At the end of the Year	Depreciation	
1	Land		0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Building	3.34%	1.80%	1.80%	0.00	0.00	0.00	29.84	0.00	0.00	29.84	29.84	0.54	
3	Plant & Machinery	5.28%	3.60%	3.60%	8.48	0.00	8.48	297.57	8.48	0.00	297.57	306.05	10.87	
4	Tools & Tackles	5.28%	6.00%	6.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	Vehicles	9.50%	18.00%	18.00%	0.03	0.00	0.03	0.32	0.03	0.00	0.32	0.36	0.06	
6	Furniture and Fixtures	6.33%	6.00%	6.00%	0.03	0.00	0.03	0.10	0.03	0.00	0.10	0.12	0.01	
7	Office/ IT Equipments	6.33%	6.00%	6.00%	0.06	0.00	0.06	0.25	0.06	0.00	0.25	0.31	0.02	
	<b>TOTAL</b>				<b>8.60</b>	<b>0.00</b>	<b>8.60</b>	<b>328.08</b>	<b>8.60</b>	<b>0.00</b>	<b>328.08</b>	<b>336.68</b>	<b>11.49</b>	
	<b>Total as per Audited Account (for True up year only)</b>													

## 7798/2022/Legal Section

Form F15

## Fixed Assets and Depreciation For True Up year and each Year of MYT Control Period

S. No	Particulars	Rate of Depreciation (%)	Rate of Dep for addition FY 19-20 onwards	Rate of Dep for addition FY 22-23 onwards	Amount (₹ crore) (A)	Contribution from Subsidies/ Grants/ Beneficiaries' Contribution / Consumers Contribution (B)	Value of Asset eligible for depreciation (C=A-B)	FY 2022-23						
								Fixed Assets, excluding Consumer Contribution /Grants/Subsidies						
								At the start of the Year	Addition during the Year (D=C)	Deduction	Total Depreciable base	At the end of the Year	Depreciation	
1	Land		0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Building	3.34%	1.80%	1.80%	0.00	0.00	0.00	29.84	0.00	0.00	29.84	29.84	0.54	
3	Plant & Machinery	5.28%	3.60%	3.60%	33.11	0.00	33.11	306.05	33.11	0.00	306.05	339.16	11.61	
4	Tools & Tackles	5.28%	6.00%	6.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	Vehicles	9.50%	18.00%	18.00%	0.00	0.00	0.00	0.36	0.00	0.00	0.36	0.36	0.06	
6	Furniture and Fixtures	6.33%	6.00%	6.00%	0.00	0.00	0.00	0.12	0.00	0.00	0.12	0.12	0.01	
7	Office/ IT Equipments	6.33%	6.00%	6.00%	0.00	0.00	0.00	0.31	0.00	0.00	0.31	0.31	0.02	
	<b>TOTAL</b>				<b>33.11</b>	<b>0.00</b>	<b>33.11</b>	<b>336.68</b>	<b>33.11</b>	<b>0.00</b>	<b>336.68</b>	<b>369.78</b>	<b>12.24</b>	
	<b>Total as per Audited Account (for True up year only)</b>													

## 7798/2022/Legal Section

Form F15

## Fixed Assets &amp; Provision for Depreciation

Fixed Assets and Depreciation For True Up year and each Year of MYT Control Period

S. No	Particulars	Rate of Depreciation (%)	Rate of Dep for addition FY 19-20 onwards	Rate of Dep for addition FY 22-23 onwards	Amount (₹ crore) (A)	Contribution from Subsidies/ Grants/ Beneficiaries' Contribution / Consumers Contribution (B)	Value of Asset eligible for depreciation (C=A-B)	Control Period					
								FY 2023-24					
								Fixed Assets, excluding Consumer Contribution /Grants/Subsidies					
							At the start of the Year	Addition during the Year (D=C)	Deduction	Total Depreciable base	At the end of the Year	Depreciation	
1	Land		0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Building	3.34%	1.80%	1.80%	0.00	0.00	0.00	29.84	0.00	0.00	29.84	29.84	0.54
3	Plant & Machinery	5.28%	3.60%	3.60%	23.86	0.00	23.86	339.16	23.86	0.00	339.16	363.02	12.64
4	Tools & Tackles	5.28%	6.00%	6.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Vehicles	9.50%	18.00%	18.00%	0.00	0.00	0.00	0.36	0.00	0.00	0.36	0.36	0.06
6	Furniture and Fixtures	6.33%	6.00%	6.00%	0.00	0.00	0.00	0.12	0.00	0.00	0.12	0.12	0.01
7	Office/ IT Equipments	6.33%	6.00%	6.00%	0.00	0.00	0.00	0.31	0.00	0.00	0.31	0.31	0.02
	<b>TOTAL</b>				<b>23.86</b>	<b>0.00</b>	<b>23.86</b>	<b>369.78</b>	<b>23.86</b>	<b>0.00</b>	<b>369.78</b>	<b>393.64</b>	<b>13.27</b>
	Total as per Audited Account (for True up year only)												



## 7798/2022/Legal Section

Form F15

Fixed Assets and Depreciation For True Up year and each Year of MYT Control Period

(₹ crore)

S. No	Particulars	Rate of Depreciation (%)	Rate of Dep for addition FY 19-20 onwards	Rate of Dep for addition FY 22-23 onwards	Amount (₹ crore) (A)	Contribution from Subsidies/ Grants/ Beneficiaries' Contribution / Consumers Contribution (B)	Value of Asset eligible for depreciation (C=A-B)	FY 2024-25						
								Fixed Assets, excluding Consumer Contribution /Grants/Subsidies						
								At the start of the Year	Addition during the Year (D=C)	Deduction	Total Depreciable base	At the end of the Year	Depreciation	
1	Land		0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Building	3.34%	1.80%	1.80%	0.00	0.00	0.00	29.84	0.00	0.00	29.84	29.84	0.54	
3	Plant & Machinery	5.28%	3.60%	3.60%	64.45	0.00	64.45	363.02	64.45	0.00	363.02	427.47	14.23	
4	Tools & Tackles	5.28%	6.00%	6.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	Vehicles	9.50%	18.00%	18.00%	0.00	0.00	0.00	0.36	0.00	0.00	0.36	0.36	0.06	
6	Furniture and Fixtures	6.33%	6.00%	6.00%	0.00	0.00	0.00	0.12	0.00	0.00	0.12	0.12	0.01	
7	Office/ IT Equipments	6.33%	6.00%	6.00%	0.00	0.00	0.00	0.31	0.00	0.00	0.31	0.31	0.02	
	<b>TOTAL</b>				<b>64.45</b>	<b>0.00</b>	<b>64.45</b>	<b>393.64</b>	<b>64.45</b>	<b>0.00</b>	<b>393.64</b>	<b>458.09</b>	<b>14.86</b>	
	<b>Total as per Audited Account (for True up year only)</b>													

Return on Equity

(₹ crore)

S. No	Particulars	FY 2020-21	FY 2021-22	Control Period		
		Actual	Estimated	Projection		
				FY 2022-23	FY 2023-24	FY 2024-25
1	Opening Balance of Equity	131.38	136.80	139.39	149.32	156.47
2	Net Additions during the Year	5.42	2.58	9.93	7.16	19.34
3	Closing Balance of Equity	136.80	139.39	149.32	156.47	175.81
4	Average Equity	134.09	138.10	144.35	152.90	166.14
5	Average Equity (Wires Business)	120.68	124.29	129.92	137.61	149.53
6	Average Equity (Retail Supply Business)	13.41	13.81	14.44	15.29	16.61
7	Rate of Return on Equity for Wire Business %	15.50%	15.50%	15.50%	15.50%	15.50%
8	RoE Wire Business	18.71	19.26	20.14	21.33	23.18
9	Rate of Return on Equity for Retail Supply Business	16.00%	16.00%	16.00%	16.00%	16.00%
10	RoE on Retail Supply business	2.15	2.21	2.31	2.45	2.66
11	<b>RoE (Wire and Retail Supply business)</b>	<b>20.85</b>	<b>21.47</b>	<b>22.45</b>	<b>23.78</b>	<b>25.84</b>

## Operations and Maintenance Expenses Summary

(Rs. Crore)

Sr. No.	Particulars	Previous Year (FY 2020-21)			Control Period			Remarks
		Tariff Order	April-March (Actual)	Deviation	1st Year (FY 2022-23)	2nd Year (FY 2023-24)	3rd Year (FY 2024-25)	
		(a)	(b)	(c) = (b) - (a)	Projected	Projected	Projected	
1	O&M Expenses	97.49	94.35	-3.14	115.31	122.34	129.48	
1.1	Employee Expenses	79.26	72.70	-6.56	93.86	99.49	105.46	
1.2	R&M Expenses	10.93	16.65	5.72	13.89	14.84	15.53	
1.3	A&G Expenses	7.3	5.00	-2.30	7.55	8.01	8.49	
2	O&M Expense capitalised	0	0.00	0.00	0.00	0.00	0.00	
<b>3</b>	<b>Total Operation &amp; Maintenance Expenses (net of capitalisation)</b>	<b>97.49</b>	<b>94.35</b>	<b>-3.14</b>	<b>115.31</b>	<b>122.34</b>	<b>129.48</b>	

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Form F17(A)

(Rs. Crore)

Sr. No.	Particulars	Approved O&M Expenses			3-Year Average	FY 2021-22 (Base Year)	MYT Control Period		
		FY 2018-19	FY 2019-20	FY 2020-21			FY 2022-23	FY 2023-24	FY 2024-25
		(a)	(b)	(c)			(d) = [(a)+(b)+(c)]/3	(e)	Projected
1	Employee Expenses	74.38	75.63	72.70	74.24	83.41	93.86	99.49	105.46
2	A&G Expenses	7.10	6.93	5.00	6.34	7.13	7.55	8.01	8.49
3	R & M Expenses	10.51	10.67	16.65	12.61	13.65	13.89	14.84	15.53
4	<b>Total O&amp;M Expenses</b>	<b>91.99</b>	<b>93.23</b>	<b>94.35</b>	93.19	104.18	115.31	122.34	129.48

**Employee Expenses**

(₹ crore)

S.No	Particulars	FY 2020-21	FY 2021-22	Control Period		
		Actual	Estimated for MYT Projections	Projections		
				FY 2022-23	FY 2023-24	FY 2024-25
<b>A</b>	<b>Employee Cost (Other than covered in 'C'&amp;'D')</b>					
1	Salaries	61.37	70.42	79.24	84.00	89.04
2	Dearness Allowance (DA)					
3	Other Allowances					
4	Interim Relief / Wage Revision					
5	Overtime					
6	Bonus					
7	Wages	10.42	11.96	13.45	14.26	15.12
8	Salary Adjustments					
8	Stipend					
	<b>Sub Total</b>	<b>71.79</b>	<b>82.37</b>	<b>92.70</b>	<b>98.26</b>	<b>104.15</b>
<b>B</b>	<b>Other Costs</b>					
1	Medical Expenses Reimbursement	0.87	1.00	1.12	1.19	1.26
2	Travelling Allowance(Conveyance Allowance)					
3	Leave Travel Assistance	0.03	0.04	0.04	0.05	0.05
4	Payment Under Workman's Compensation Act					
5	Electricity Concession to Employees					
6	Other Staff Welfare Expenses					
7	Any Other Item (specify)					
	<b>Sub Total</b>	<b>0.90</b>	<b>1.04</b>	<b>1.17</b>	<b>1.24</b>	<b>1.31</b>
<b>C</b>	<b>1 Apprentice and Other Training Expenses</b>					
<b>D</b>	<b>Contribution to Terminal Benefits</b>					
1	Earned Leave Encashment					
2	Provident Fund Contribution					
3	Provision for PF Fund					
4	Pension					
5	Gratuity					
6	Ex-gratia					
7	Any Other Item (specify)					
	<b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>E</b>	<b>Grand Total (A+B+C+D)</b>	<b>72.70</b>	<b>83.41</b>	<b>93.86</b>	<b>99.49</b>	<b>105.46</b>
<b>F</b>	Employee Expenses Capitalized	0.00	0.00	0.00	0.00	0.00
<b>G</b>	<b>Net Employee Expenses (E)-(F)</b>	<b>72.70</b>	<b>83.41</b>	<b>93.86</b>	<b>99.49</b>	<b>105.46</b>

**7798/2022/Legal Section**

Form F18(B)

**Employee Strength**

S. No	Particulars	Actuals			Base Year Projections	Projections		
		FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
	<b>Total Sanctioned Posts</b>	1,436	1,436	1,436	1,436	1,436	1,436	1,436
	<i>Executives (AEE/AE &amp; above)</i>	29	29	29	29	29	29	29
	<i>Non-Executives (JE &amp; below)</i>	1,291	1,291	1,291	1,291	1,291	1,291	1,291
	<i>Non-Executives – Group D</i>	116	116	116	116	116	116	116
<b>I</b>	<b>Regular Employees</b>							
1	No. of employees as on 1st April	912	849	788	701	632	700	645
	<i>Executives (AEE/AE &amp; above)</i>	23	20	20	20	18	15	14
	<i>Non-Executives (JE &amp; below)</i>	806	751	694	615	553	633	589
	<i>Non-Executives – Group D</i>	83	78	74	66	61	52	42
2	No. of employees added	16	5	3	2	134	0	0
	<i>Executives (AEE/AE &amp; above)</i>	0	0	3	2	0	0	0
	<i>Non-Executives (JE &amp; below)</i>	16	5	0	0	134	0	0
	<i>Non-Executives – Group D</i>	0	0	0	0	0	0	0
3	No. of employees retired/ retiring during the year	79	66	90	71	66	55	56
	<i>Executives (AEE/AE &amp; above)</i>	3	0	3	4	3	1	3
	<i>Non-Executives (JE &amp; below)</i>	71	62	79	62	54	44	48
	<i>Non-Executives – Group D</i>	5	4	8	5	9	10	5
4	No. of employees at the end of the year	849	788	701	632	700	645	589
	<i>Executives (AEE/AE &amp; above)</i>	20	20	20	18	15	14	11
	<i>Non-Executives (JE &amp; below)</i>	751	694	615	553	633	589	541
	<i>Non-Executives – Group D</i>	78	74	66	61	52	42	37
<b>II</b>	<b>Contractual Employees</b>							
5	No. of employees as on 1st April	194	199	189	370	472	472	472
	<i>Non-Executives (JE &amp; below)</i>	194	197	187	368	472	472	472
	<i>Non-Executives – Group D</i>	0	2	2	2	0	0	0
6	No. of employees added	5	0	181	106	0	0	0
	<i>Non-Executives (JE &amp; below)</i>	3	0	181	106	0	0	0
	<i>Non-Executives – Group D</i>	2	0	0	0	0	0	0
7	No. of employees relieved/relieving during the year	0	10	0	4	0	0	0
	<i>Non-Executives (JE &amp; below)</i>		10	0	2	0	0	0
	<i>Non-Executives – Group D</i>		0	0	2	0	0	0
8	No. of employees at the end of the year	199	189	370	472	472	472	472
	<i>Non-Executives (JE &amp; below)</i>	197	187	368	472	472	472	472
	<i>Non-Executives – Group D</i>	2	2	2	0	0	0	0
	<b>Total No. of employees as on 1st April (1+5)</b>	<b>1,106</b>	<b>1,048</b>	<b>977</b>	<b>1,071</b>	<b>1,104</b>	<b>1,172</b>	<b>1,117</b>
	<b>No. of employees added (2+6)</b>	<b>21</b>	<b>5</b>	<b>184</b>	<b>108</b>	<b>134</b>	<b>0</b>	<b>0</b>
	<b>No. of employees (retired/relieved)/ (retiring/relieving) during the year (3+7)</b>	<b>79</b>	<b>76</b>	<b>90</b>	<b>75</b>	<b>66</b>	<b>55</b>	<b>56</b>
	<b>No. of employees at the end of the year (4+8)</b>	<b>1,048</b>	<b>977</b>	<b>1,071</b>	<b>1,104</b>	<b>1,172</b>	<b>1,117</b>	<b>1,061</b>

7798/2022/Legal Section

Form F19

Administration & General Expenses

S.No	Particulars	FY 2020-21 Actual	FY 2021-22 Estimated for MYT Projections	Control Period			
				FY 2022-23	FY 2023-24	FY 2024-25	
				Projected			
A.	1 Lease/ Rent						
	2 Insurance	0.00	0.00	0.00	0.00	0.00	
	3 Revenue Stamp Expenses Account						
	4 Telephone, Postage, Telegram & Telex Charges	0.10	0.15	0.16	0.17	0.18	
	5 Incentive & Award to Employees/Outsiders						
	6 Consultancy Charges						
	7 Technical Fees						
	8 Other Professional Charges						
	9 Conveyance and Travelling Expenses	0.01	0.02	0.02	0.02	0.03	
	10 License and Registration Fees						
	11 Vehicle Expenses (Other Than Trucks and Delivery Vans)	Vehicles Running Expenses Petrol and Oil Hiring of Vehicles					
	12 Security / Service Charges Paid to Outside Agencies						
<b>Sub Total 'A' (1 to 12)</b>		<b>0.12</b>	<b>0.17</b>	<b>0.18</b>	<b>0.19</b>	<b>0.20</b>	
B. Other Charges	1 Fee and Subscription for Books and Periodicals						
	2 Printing and Stationery Expenses	0.01	0.01	0.01	0.01	0.01	
	3 Advertisement Expenses (Other than Purchase Related) Exhibition & Demo.	0.13	0.18	0.19	0.20	0.21	
	4 Contributions/Donations to Outside Institutes / Associations						
	5 Electricity Charges of Offices	0.41	0.59	0.63	0.66	0.70	
	6 Water Charges						
	7 Entertainment Charges						
	8 Miscellaneous Expenses (specify details)	4.05	5.78	6.13	6.49	6.88	
	9 Office Expenses						
	10 Other Charges						
	11 Minor Works						
<b>Sub-Total 'B' (1 To 11)</b>		<b>4.60</b>	<b>6.56</b>	<b>6.95</b>	<b>7.37</b>	<b>7.81</b>	
C.	<b>Legal Fee/Charges</b>	0.28	0.40	0.42	0.45	0.47	
D.	<b>Auditor's Fee</b>						
E. Material Related Expenses	1 Freight on Capital Equipments						
	2 Purchase Related Advertisement Expenses						
	3 Vehicle Running Expenses Truck / Delivery Van						
	4 Vehicle Hiring Expenses Truck / Delivery Van						
	5 Other Freight						
	6 Transit Insurance						
	7 Octroi						
	8 Incidental Stores Expenses						
	9 Fabrication Charges						
<b>Sub Total 'E' (1 To 9)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
F.	<b>Direction And Supervision Charges</b>						
G.	<b>Annual license fee and tariff determination fee payable to JERC</b>						
<b>Grand Total (A To G)</b>		<b>5.00</b>	<b>7.13</b>	<b>7.55</b>	<b>8.01</b>	<b>8.49</b>	
H.	<b>Total Charges Chargeable To</b>	<b>Capital Works (-)</b>					
		<b>Revenue Expenses</b>					

**Repair & Maintenance Expenditure**

(₹ crore)

S.No.	Particulars	FY 2020-21	FY 2021-22	Control Period		
		Actual	Estimated	Projections		
				FY 2022-23	FY 2023-24	FY 2024-25
1	Plant and Machinery	15.60	12.79	13.02	13.91	14.55
	- 220 kV Sub-Station					
	- 110 kV Sub-Station					
	- 33kV Sub-Station					
	- 11kV Sub-Station					
	- Switchgear and cable connections					
	- Others					
2	Building	0.61	0.50	0.51	0.55	0.57
3	Civil Works					
4	Hydraulic Works					
5	Lines, Cables, Networks etc.					
	- 220 kV Sub-Station					
	- 110 kV Sub-Station					
	- 33kV Lines					
	- 11kV Lines					
	- LT Lines					
	- Others					
6	Vehicles	0.44	0.36	0.36	0.39	0.41
7	Furniture and Fixtures					
8	Office Equipments					
9	Station Supplies					
10	Metering Equipments					
11	Minor R&M Works					
A	<b>Gross R&amp;M Expenses</b>	<b>16.65</b>	<b>13.65</b>	<b>13.89</b>	<b>14.84</b>	<b>15.53</b>
B	R&M Expenses Capitalised	0.00	0.00	0.00	0.00	0.00
12	<b>Net R&amp;M Expenses</b>	<b>16.65</b>	<b>13.65</b>	<b>13.89</b>	<b>14.84</b>	<b>15.53</b>



**Income from Investments and Non-Tariff Income**

(₹ crore)

S. No.	Particulars	FY 2020-21	FY 2021-22	Control Period		
		Actual	Estimated	Projection		
				FY 2022-23	FY 2023-24	FY 2024-25
1	Meter/metering equipment/service line rentals					
2	Service Charges					
3	Customer Charges					
4	Revenue from Late Payment Surcharge*	0.00				
5	Miscellaneous Charges					
6	Incentives from CGSs					
7	Miscellaneous Receipts	69.61				
8	Interest on advances to suppliers/contractors					
9	Interest on Staff Loans and Advances					
10	Income from Trading					
11	Income from Staff Welfare Activities					
12	Excess found on Physical Verification					
13	Interest on Investments, Fixed and Call Deposits and Bank Balances					
14	Prior Period Income					
15	Income from Open Access Charges (Application fee, Cross Subsidy Surcharge, Additional Surcharge, Transmission and/or Wheeling Charges, Scheduling Charges etc.					
16	Sale Proceeds of dead stock, waste paper etc					
16	Any other Income not included above	9.08				
	<b>Total</b>	<b>78.69</b>	<b>17.77</b>	<b>17.66</b>	<b>17.66</b>	<b>17.66</b>

7798/2022/Legal Section  
Form F-22(B)Information regarding Security Deposits from Consumers

(Rs. Crs)

Sr. No.	Particulars	Actual	Estimated	Estimated	Estimated	Estimated
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	2	3	4	5	6	7
1	Opening Security Deposit	195.72	190.10	193.76	197.51	201.35
2	Add: Deposits during the Year	-	3.66	3.75	3.84	3.93
3	Less: Deposits refunded	-				
4	<b>Closing Security Deposit</b>	<b>190.10</b>	<b>193.76</b>	<b>197.51</b>	<b>201.35</b>	<b>205.28</b>
5	<b>Bank Rate</b>	1.99%	4.25%	4.25%	4.25%	4.25%
6	<b>Interest on Security Deposit *</b>	<b>3.78</b>	<b>8.16</b>	<b>8.31</b>	<b>8.48</b>	<b>8.64</b>

## 7798/2022/Legal Section

Form F23

## Revenue from Current Tariff in ensuing year

## Revenue for FY 2021-22 at the Tariff Approved in FY 2021-22

Sl. No.	Category	No. of consumers	Components of tariff							Relevant sales & load/demand data for			Full year revenue (Rs. Crore)					Average Billing Rate (Rs./kWh)
			Fixed Charges (specify part name and unit)	Fixed Charge	Demand Charges (specify part name and unit)	Demand Charge	Energy Charges (specify part name and unit)	Energy Charge	Fuel surcharge per unit, if any	sanctioned Load in kW	Contract Demand in KVA/MVA	Sales in MU	Revenue from Fixed Charges	Revenue from Demand Charges	Revenue from Energy Charges	Revenue from fuel surcharge	Total	
<b>1</b>	<b>Domestic</b>																	
	Domestic LT	201417	Rs./kW/Month							909587.97		675.58	10.92		-			
	0-150 Units		Rs./kW/Month	10.00			Rs./kWh	2.50		232055.03		56.15	2.78		14.04		16.82	
	151-400 Units		Rs./kW/Month	10.00			Rs./kWh	4.25		333684.97		205.15	4.00		87.19		91.19	
	401 and above units		Rs./kW/Month	10.00			Rs./kWh	4.65		343847.97		414.28	4.13		192.64		196.77	
	Domestic HT	72	Rs./kW/Month	10.00			Rs./kWh	4.30		31335.90		27.22	0.38		11.70		12.08	
	<b>Sub-Total</b>	<b>201489.62</b>								<b>940923.87</b>	<b>0.00</b>	<b>702.80</b>	<b>11.29</b>		<b>305.57</b>	<b>0.00</b>	<b>316.86</b>	4.51
<b>2</b>	<b>Commercial</b>																	
	Commercial LT	26833								266242.40		189.95	27.82		94.31			
	0-150 Units -Single Phase		Rs./kW/Month	20			Rs./kWh	4.50		23250.45		4.32	0.56		1.94		2.50	
	151-400 Units - Single Phase		Rs./kW/Month	20			Rs./kWh	4.70		13356.64		10.31	0.32		4.85		5.17	
	401 and above units - SP		Rs./kW/Month	20			Rs./kWh	5.00		6430.98		18.71	0.15		9.36		9.51	
	0-150 Units - Three Phase		Rs./kW/Month	100			Rs./kWh	4.50		28197.36		0.22	3.38		0.10		3.48	
	151-400 Units -Three Phase		Rs./kW/Month	100			Rs./kWh	4.70		28197.36		4.30	3.38		2.02		5.40	
	401 and above units - Three Phase		Rs./kW/Month	100			Rs./kWh	5.00		166809.62		152.09	20.02		76.04		96.06	
	Commercial HT	490	Rs./kW/Month	100			Rs./kWh	4.7		246157.97		224.31	29.54		105.43		134.97	
	<b>Sub-Total</b>	<b>27322.89</b>								<b>512400.37</b>		<b>414.26</b>	<b>57.36</b>		<b>199.74</b>	<b>0.00</b>	<b>257.09</b>	6.21
<b>3</b>	<b>Large Supply</b>																	
	Large Supply	95	Rs./kW/Month	200			Rs./kWh	4.5		67983.00		108.81	16.32		48.96		65.28	6.00
<b>4</b>	<b>Medium Supply</b>																	
	Medium Supply	1443	Rs./kW/Month	200			Rs./kWh	4.2		78758.16		99.51	18.90		41.80		60.70	6.10
<b>5</b>	<b>Small Power</b>																	
	Small Power	1476	Rs./kW/Month	30			Rs./kWh	4.3		24493.07		16.28	0.88		7.00		7.88	4.84
<b>6</b>	<b>Agriculture</b>																	
	Agriculture	121	Rs./kW/Month	0			Rs./kWh	2.6		884.00		1.21	0.00		0.31		0.31	2.60
<b>6</b>	<b>Public Lighting</b>																	
	Public Lighting	1493	Rs./kW/Month	100			Rs./kWh	5.6		4813.15		14.21	0.58		7.96		8.54	6.01
<b>8</b>	<b>Bulk Supply</b>																	
	Bulk Supply	531	Rs./kW/Month	200			Rs./kWh	4.40		41708.42		78.79	10.01		34.67		44.68	5.67
<b>9</b>	<b>Other Categories</b>																	
	Other Temp. Supply	448	Rs./kW/Month				Rs./kWh			2135.72		4.14	0.00		-		0.00	
	<b>Grand Total</b>	<b>234420</b>								<b>1674099.77</b>		<b>1440.02</b>	<b>115.33</b>		<b>646.01</b>		<b>761.34</b>	5.29

## 7798/2022/Legal Section

Form F23

## Revenue from Current Tariff in ensuing year

## Revenue for FY 2022-23 at the Tariff Approved in FY 2021-22

Sl. No.	Category	No. of consumers	Components of tariff						Relevant sales & load/demand data for			Full year revenue (Rs. Crore)					Average Billing Rate (Rs/kWh)	
			Fixed Charges (specify part name and unit)	Fixed Charge	Demand Charges (specify part name and unit)	Demand Charge	Energy Charges (specify part name and unit)	Energy Charge	Fuel surcharge per unit, if any	sanctioned Load in kW	Contract Demand in KVA/MVA	Sales in MU	Revenue from Fixed Charges	Revenue from Demand Charges	Revenue from Energy Charges	Revenue from fuel surcharge		Total
<b>1</b>	<b>Domestic</b>																	
	Domestic LT	204651	Rs./kW/Month							940158.49		729.81	11.28					
	0-150 Units		Rs./kW/Month	10.00				Rs./kWh	2.50	239854.21		60.66	2.88			15.16		18.04
	151-400 Units		Rs./kW/Month	10.00				Rs./kWh	4.25	344899.85		221.62	4.14			94.19		98.33
	401 and above units		Rs./kW/Month	10.00				Rs./kWh	4.65	355404.42		447.54	4.26			208.11		212.37
	Domestic HT	73	Rs./kW/Month	10.00				Rs./kWh	4.30	32389.07		29.40	0.39			12.64		13.03
	Sub-Total	204724.36								972547.56	0.00	759.21	11.67	0.00	330.10	0.00	341.77	4.50
<b>2</b>	<b>Commerical</b>																	
	Commercial LT	28010								277476.30		222.15	28.99			110.30		
	0-150 Units - Single Phase		Rs./kW/Month	20				Rs./kWh	4.50	24231.49		5.05	0.58			2.27		2.86
	151-400 Units - Single Phase		Rs./kW/Month	20				Rs./kWh	4.70	13920.22		12.06	0.33			5.67		6.00
	401 and above units - SP		Rs./kW/Month	20				Rs./kWh	5.00	6702.33		21.88	0.16			10.94		11.10
	0-150 Units - Three Phase		Rs./kW/Month	100				Rs./kWh	4.50	29387.12		0.25	3.53			0.11		3.64
	151-400 Units - Three Phase		Rs./kW/Month	100				Rs./kWh	4.70	29387.12		5.03	3.53			2.36		5.89
	401 and above units - Three Phase		Rs./kW/Month	100				Rs./kWh	5.00	173848.02		177.87	20.86			88.94		109.80
	Commercial HT	511	Rs./kW/Month	100				Rs./kWh	4.7	256544.42		262.34	30.79			123.30		154.09
	Sub-Total	28521.11								534020.71		484.49	59.78	0.00	233.60	0.00	293.38	6.06
<b>3</b>	<b>Large Supply</b>																	
	Large Supply	95	Rs./kW/Month	200				Rs./kWh	4.5	67983.00		123.76	16.32			55.69		72.01
<b>4</b>	<b>Medium Supply</b>																	
	Medium Supply	1443	Rs./kW/Month	200				Rs./kWh	4.2	78758.16		106.38	18.90			44.68		63.58
<b>5</b>	<b>Small Power</b>																	
	Small Power	1492	Rs./kW/Month	30				Rs./kWh	4.3	25310.29		18.43	0.91			7.93		8.84
<b>6</b>	<b>Agriculture</b>																	
	Agriculture	122	Rs./kW/Month	0				Rs./kWh	2.6	916.60		1.41	0.00			0.37		0.37
<b>6</b>	<b>Public Lighting</b>																	
	Public Lighting	1580	Rs./kW/Month	100				Rs./kWh	5.6	4932.54		14.78	0.59			8.27		8.87
<b>8</b>	<b>Bulk Supply</b>																	
	Bulk Supply	531	Rs./kW/Month	200				Rs./kWh	4.40	41746.35		82.88	10.02			36.47		46.49
<b>9</b>	<b>Other Categories</b>																	
	Other Temp. Supply	448	Rs./kW/Month					Rs./kWh		2135.72		4.20	0.00			-		0.00
	Grand Total	238957								1728350.94		1595.55	118.19		717.11		835.29	5.24

## 7798/2022/Legal Section

Form F23

## Revenue from Current Tariff in ensuing year

## Revenue for FY 2023-24 at the Tariff Approved in FY 2020-21

Sl. No.	Category	No. of consumers	Components of tariff							Relevant sales & load/demand data for			Full year revenue (Rs. Crore)					Average Billing Rate (Rs./kWh)	
			Fixed Charges (specify part name and unit)	Fixed Charge	Demand Charges (specify part name and unit)	Demand Charge	Energy Charges (specify part name and unit)	Energy Charge	Fuel surcharge per unit, if any	sanctioned Load in kW	Contract Demand in KVA/MVA	Sales in MU	Revenue from Fixed Charges	Revenue from Demand Charges	Revenue from Energy Charges	Revenue from fuel surcharge	Total		
<b>1</b>	<b>Domestic</b>																		
	Domestic LT	207937	Rs./kW/Month							971756.45		765.27	11.66		-				
	0-150 Units		Rs./kW/Month	10.00				Rs./kWh	2.50	247915.52		63.60	2.97		15.90			18.88	
	151-400 Units		Rs./kW/Month	10.00				Rs./kWh	4.25	356491.66		232.38	4.28		98.76			103.04	
	401 and above units		Rs./kW/Month	10.00				Rs./kWh	4.65	367349.27		469.28	4.41		218.22			222.62	
	Domestic HT	74	Rs./kW/Month	10.00				Rs./kWh	4.30	33477.64		30.83	0.40		13.26			13.66	
	<b>Sub-Total</b>	<b>208011.02</b>								<b>1005234.09</b>	<b>0.00</b>	<b>796.10</b>	<b>12.06</b>	<b>0.00</b>	<b>346.14</b>	<b>0.00</b>	<b>358.20</b>	<b>4.50</b>	
<b>2</b>	<b>Commercial</b>																		
	Commercial LT	29238								289184.20		225.48	30.21		111.95				
	0-150 Units -Single Phase		Rs./kW/Month	20				Rs./kWh	4.50	25253.92		5.13	0.61		2.31			2.91	
	151-400 Units - Single Phase		Rs./kW/Month	20				Rs./kWh	4.70	14507.57		12.24	0.35		5.75			6.10	
	401 and above units - SP		Rs./kW/Month	20				Rs./kWh	5.00	6985.13		22.21	0.17		11.11			11.27	
	0-150 Units - Three Phase		Rs./kW/Month	100				Rs./kWh	4.50	30627.09		0.26	3.68		0.12			3.79	
	151-400 Units -Three Phase		Rs./kW/Month	100				Rs./kWh	4.70	30627.09		5.10	3.68		2.40			6.07	
	401 and above units - Three Phase		Rs./kW/Month	100				Rs./kWh	5.00	181183.41		180.54	21.74		90.27			112.01	
	Commercial HT	533	Rs./kW/Month	100				Rs./kWh	4.7	267369.11		266.28	32.08		125.15			157.23	
	<b>Sub-Total</b>	<b>29771.88</b>								<b>556553.31</b>		<b>491.76</b>	<b>62.30</b>	<b>0.00</b>	<b>237.10</b>	<b>0.00</b>	<b>299.40</b>	<b>6.09</b>	
<b>3</b>	<b>Large Supply</b>																		
	Large Supply	95	Rs./kW/Month	200				Rs./kWh	4.5	67983.00		125.12	16.32		56.30			72.62	5.80
<b>4</b>	<b>Medium Supply</b>																		
	Medium Supply	1443	Rs./kW/Month	200				Rs./kWh	4.2	78758.16		106.38	18.90		44.68			63.58	5.98
<b>5</b>	<b>Small Power</b>																		
	Small Power	1508	Rs./kW/Month	30				Rs./kWh	4.3	26154.77		18.43	0.94		7.93			8.87	4.81
<b>6</b>	<b>Agriculture</b>																		
	Agriculture	123	Rs./kW/Month	0				Rs./kWh	2.6	950.40		1.45	0.00		0.38			0.38	2.60
<b>6</b>	<b>Public Lighting</b>																		
	Public Lighting	1672	Rs./kW/Month	100				Rs./kWh	5.6	5054.90		14.78	0.61		8.27			8.88	6.01
<b>8</b>	<b>Bulk Supply</b>																		
	Bulk Supply	531	Rs./kW/Month	200				Rs./kWh	4.40	41784.30		84.87	10.03		37.34			47.37	5.58
<b>9</b>	<b>Other Categories</b>																		
	Other Temp. Supply	448	Rs./kW/Month					Rs./kWh		2135.72		4.20	0.00		-			0.00	
	<b>Grand Total</b>	<b>243603</b>								<b>1784608.66</b>		<b>1643.08</b>	<b>121.16</b>		<b>738.14</b>		<b>859.30</b>	<b>5.23</b>	

## 7798/2022/Legal Section

Form F23

## Revenue from Current Tariff in ensuing year

## Revenue for FY 2024-25 at the Tariff Approved in FY 2020-21

Sl. No.	Category	No. of consumers	Components of tariff							Relevant sales & load/demand data for			Full year revenue (Rs. Crore)					Average Billing Rate (Rs./kWh)
			Fixed Charges (specify part name and unit)	Fixed Charge	Demand Charges (specify part name and unit)	Demand Charge	Energy Charges (specify part name and unit)	Energy Charge	Fuel surcharge per unit, if any	sanctioned Load in kW	Contract Demand in KVA/MVA	Sales in MU	Revenue from Fixed Charges	Revenue from Demand Charges	Revenue from Energy Charges	Revenue from fuel surcharge	Total	
<b>1</b>	<b>Domestic</b>																	
	Domestic LT	211275	Rs./kW/Month							1004416.40		802.45	12.05		-			
	0-150 Units		Rs./kW/Month	10.00			Rs./kWh	2.50		256247.76		66.69	3.07		16.67		19.75	
	151-400 Units		Rs./kW/Month	10.00			Rs./kWh	4.25		368473.05		243.67	4.42		103.56		107.98	
	401 and above units		Rs./kW/Month	10.00			Rs./kWh	4.65		379695.58		492.08	4.56		228.82		233.37	
	Domestic HT	76	Rs./kW/Month	10.00			Rs./kWh	4.30		34602.80		32.33	0.42		13.90		14.32	
	<b>Sub-Total</b>	<b>211350.45</b>								<b>1039019.20</b>	<b>0.00</b>	<b>834.78</b>	<b>12.47</b>	<b>0.00</b>	<b>362.95</b>	<b>0.00</b>	<b>375.42</b>	4.50
<b>2</b>	<b>Commercial</b>																	
	Commercial LT	30521								301386.11		228.86	31.49		113.63			
	0-150 Units - Single Phase		Rs./kW/Month	20			Rs./kWh	4.50		26319.49		5.21	0.63		2.34		2.98	
	151-400 Units - Single Phase		Rs./kW/Month	20			Rs./kWh	4.70		15119.70		12.42	0.36		5.84		6.20	
	401 and above units - SP		Rs./kW/Month	20			Rs./kWh	5.00		7279.86		22.55	0.17		11.27		11.45	
	0-150 Units - Three Phase		Rs./kW/Month	100			Rs./kWh	4.50		31919.38		0.26	3.83		0.12		3.95	
	151-400 Units - Three Phase		Rs./kW/Month	100			Rs./kWh	4.70		31919.38		5.18	3.83		2.43		6.26	
	401 and above units - Three Phase		Rs./kW/Month	100			Rs./kWh	5.00		188828.31		183.24	22.66		91.62		114.28	
	Commercial HT	557	Rs./kW/Month	100			Rs./kWh	4.7		278650.55		270.27	33.44		127.03		160.46	
	<b>Sub-Total</b>	<b>31077.51</b>								<b>580036.66</b>		<b>499.13</b>	<b>64.93</b>	<b>0.00</b>	<b>240.66</b>	<b>0.00</b>	<b>305.58</b>	6.12
<b>3</b>	<b>Large Supply</b>																	
	Large Supply	95	Rs./kW/Month	200			Rs./kWh	4.5		67983.00		126.49	16.32		56.92		73.23	5.79
<b>4</b>	<b>Medium Supply</b>																	
	Medium Supply	1443	Rs./kW/Month	200			Rs./kWh	4.2		78758.16		106.38	18.90		44.68		63.58	5.98
<b>5</b>	<b>Small Power</b>																	
	Small Power	1525	Rs./kW/Month	30			Rs./kWh	4.3		27027.43		18.43	0.97		7.93		8.90	4.83
<b>6</b>	<b>Agriculture</b>																	
	Agriculture	124	Rs./kW/Month	0			Rs./kWh	2.6		985.45		1.49	0.00		0.39		0.39	2.60
<b>6</b>	<b>Public Lighting</b>																	
	Public Lighting	1770	Rs./kW/Month	100			Rs./kWh	5.6		5180.28		14.78	0.62		8.27		8.90	6.02
<b>8</b>	<b>Bulk Supply</b>																	
	Bulk Supply	531	Rs./kW/Month	200			Rs./kWh	4.40		41822.30		86.91	10.04		38.24		48.28	5.55
<b>9</b>	<b>Other Categories</b>																	
	Other Temp. Supply	448	Rs./kW/Month				Rs./kWh			2135.72		4.20	0.00		-		0.00	
	<b>Grand Total</b>	<b>248363</b>								<b>1842948.20</b>		<b>1692.58</b>	<b>124.25</b>		<b>760.04</b>		<b>884.28</b>	5.22

**Details of Charges for Deviation**

Month	FY 2020-21					FY 2021-22					
	Energy Over-drawn	Energy Under-drawn	Charges for Deviation Payable	Charges for Deviation Receivable	Net of Charges for Deviation Payable and Receivable	Energy Over-drawn	Energy Under-drawn	Charges for Deviation Payable	Charges for Deviation Receivable	Net of Charges for Deviation Payable and Receivable	Additional UI Charges
	MU	MU	₹ crore	₹ crore	₹ crore	MU	MU	₹ crore	₹ crore	₹ crore	₹ crore
April	3.81	5.34	1.04	1.15	-0.10	4.23	4.90	1.48	1.72	-0.24	
May	4.24	5.84	1.19	1.31	-0.12	3.78	10.37	1.09	2.72	-1.63	
June	6.44	5.89	1.63	1.32	0.30	5.40	8.50	1.62	2.16	-0.54	
July	6.99	7.18	2.23	1.68	0.54	5.80	10.20	1.83	2.38	-0.56	
August	7.68	4.85	2.39	1.15	1.25	5.98	7.03	2.91	2.72	0.19	
September	6.58	2.97	1.94	0.79	1.16	4.28	8.35	1.51	2.69	-1.18	
October	4.94	2.30	1.40	0.55	0.84	6.65	13.08	4.38	4.73	-0.35	
November	4.82	3.43	1.38	0.87	0.52	2.03	19.35	0.63	5.79	-5.16	
December	7.17	2.50	1.97	0.64	1.32	2.05	10.85	0.69	3.70	-3.01	
January	7.81	3.23	2.40	0.93	1.47					0.00	
February	4.38	2.41	1.39	0.84	0.54					0.00	
March	5.21	2.16	1.98	0.69	1.28					0.00	
<b>Total</b>	<b>70.07</b>	<b>48.10</b>	<b>20.93</b>	<b>11.93</b>	<b>9.00</b>	<b>40.19</b>	<b>92.64</b>	<b>16.15</b>	<b>28.62</b>	<b>-12.47</b>	<b>0.00</b>