



Business Plan

**Approval of Business Plan for Multi-Year Control Period
from FY 2022-23 to FY 2024-25**

Petition No. 79/2022

For

Electricity Wing of Engineering Department, Chandigarh (EWEDC)

11th July 2022

JOINT ELECTRICITY REGULATORY COMMISSION

For the State of Goa and Union Territories,

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List of abbreviations

Abbreviation	Full Form
A&G	Administrative and General
ABR	Average Billing Rate
Aux	Auxiliary Consumption
APCPL	Aravali Power Company Private Limited.
APR	Annual Performance Review
ARR	Aggregate Revenue Requirement
BBMB	Bhakra Beas Management Board
CAGR	Compound Annual Growth Rate
CAPEX	Capital Expenditure
CERC	Central Electricity Regulatory Commission
CGS	Central Generating Station
COD	Commercial Operation Date
CoS	Cost of Supply/ Service
CPDCL	Chandigarh Power Distribution Company Limited
CPPs	Captive Power Plants
Cr.	Crores
CREST	Chandigarh Renewal Energy and Science & Technology Promotion Society
CTU	Chandigarh Transport Undertaking
CUF	Capacity Utilisation Factor
CWIP	Capital Work in Progress
DEEP	Discovery of Efficient Electricity Price
Discom	Distribution Company
DPC	Delayed Payment Charges
DSM	Demand Side Management
DT	Distribution Transformer
EA/The Act	The Electricity Act 2003
EWEDC	Electricity Wing of Engineering Department, Chandigarh
FY	Financial Year
GFA	Gross Fixed Assets
GoI	Government of India
GSC	General Service Connection
HPO	Hydro Purchase Obligation
HR	Human Resource
HT	High Tension
IPP	Independent Power Producers
JERC	Joint Electricity Regulatory Commission for the state of Goa and Union Territories
kV	Kilo Volt
kVA	Kilo Volt Ampere
kVAh	Kilo Volt Ampere Hour
kW	Kilo Watt

Abbreviation	Full Form
kWh	Kilo Watt Hour
LF	Load Factor
LHP	Large Hydro Projects
LT	Low Tension
MAIFI	Momentary Average Interruption Frequency Index
MD	Maximum Demand
MOD	Merit Order Despatch
MoP	Ministry of Power
MOU	Memorandum of Understanding
MU	Million Units (Million kWh)
MUNPL	Meja Urja Nigam Private Limited
MVA	Mega Volt Ampere
MW	Mega Watt
MYT	Multi Year Tariff
NEP	National Electricity Policy
NHPC	National Hydroelectric Power Corporation
NPCIL	Nuclear Power Corporation of India Ltd.
NRPC	National Regional Power Committee
NTPC	National Thermal Power Corporation
O&M	Operation & Maintenance
PAF	Plant Availability Factor
PF	Provident Fund
PFC	Power Finance Corporation
PLF	Plant Load Factor
PLR	Prime Lending Rate
PSA	Power Sale Agreement
R&M	Repair and Maintenance
REA	Regional Energy Account
REC	Rural Electrification Corporation
RfP	Request for Proposal
ROE	Return on Equity
RPO	Renewable Purchase Obligation
Rs.	Rupees
SAIFI	System Average Interruption Frequency Index
SAIDI	System Average Interruption Duration Index
SBI	State Bank of India
SECI	Solar Energy Corporation of India Ltd.
SJVNL	Satluj Jal Vidyut Nigam
T&D	Transmission and Distribution
TP	Tariff Policy
THDC	THDC India Ltd.
w.e.f.	With effect from

Abbreviation	Full Form
w.r.t.	With respect to
Y-o-Y	Year on Year

Before the
Joint Electricity Regulatory Commission
For the State of Goa and Union Territories, Gurugram

QUORUM

Ms. Jyoti Prasad, Member

Petition No. 79/2022

In the matter of

Approval of Business Plan for MYT 3rd Control Period from FY 2022-23 to FY 2024-25.

And in the matter of

Electricity Wing of Engineering Department, Chandigarh (EWEDC).....**Petitioner**

ORDER

Dated: 11th July 2022

- 1) This Order is passed in respect of the Petition filed by the Electricity Wing of Engineering Department, Chandigarh (herein after referred to as “The Petitioner” or “EWEDC” or “The Licensee”) for Approval of its Business Plan for the 3rd MYT Control Period from FY 2022-23 to FY 2024-25 before the Joint Electricity Regulatory Commission (herein after referred to as “The Commission” or “JERC”).
- 2) In exercise of the powers conferred on it by sub-Section (2) of Section 181 read with Section 36, Section 39, Section 40, Section 41, Section 51, Section 61, Section 62, Section 63, Section 64, Section 65 and Section 86 of the Electricity Act, 2003 (36 of 2003) and all other powers enabling it in this behalf, the Joint Electricity Regulatory Commission for the State of Goa and Union Territories (except Delhi), after previous publication, issued the Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2021 on 22nd March 2021.
- 3) In terms of Regulations 8.1 and 17 of the aforesaid Regulations, the Petitioner has filed a Petition for approval of its Business Plan for the three-year Control Period from FY 2022-23 to FY 2024-25 with details for each year of the Control Period before the Commission.
- 4) The Commission scrutinised the said Petition and generally found it in order. The Commission admitted the Petition on 8th April 2022. The Commission thereafter requisitioned further information/clarifications on the data gaps observed to take a prudent view of the said Petition. The Commission also held a Technical Validation Session to determine sufficiency of data and the veracity of the information submitted.
- 5) Further, suggestions/ comments/ views and objections were invited from the Stakeholders and Electricity Consumers. Public Hearing was also held on 13th May 2022, and comments/suggestions from the stakeholders have been received on Business Plan Petition filed by EWEDC.

- 6) The Commission based on the Petitioner's submissions, relevant MYT Regulations, facts of the matter, rules and provisions of the Electricity Act, 2003 and after proper due diligence and prudence check, has approved the Business Plan for 3rd MYT Control Period from FY 2022-23 to FY 2024-25, which covers the sales forecast, consumer growth forecast, connected load forecast, fixation of T&D loss trajectory, capital investment plan, power procurement plan etc. Further, the relevant chapters giving detailed reasons, grounds and conditions are an integral part of this Order.
- 7) Ordered accordingly.

Sd/-

(Jyoti Prasad)
Member (Law)

Place: Gurugram

Date: 11th July 2022

(Certified Copy)



(Rakesh Kumar)
Secretary, JERC

1 Chapter 1: Introduction

1.1 About Joint Electricity Regulatory Commission for the State of Goa and UTs (JERC)

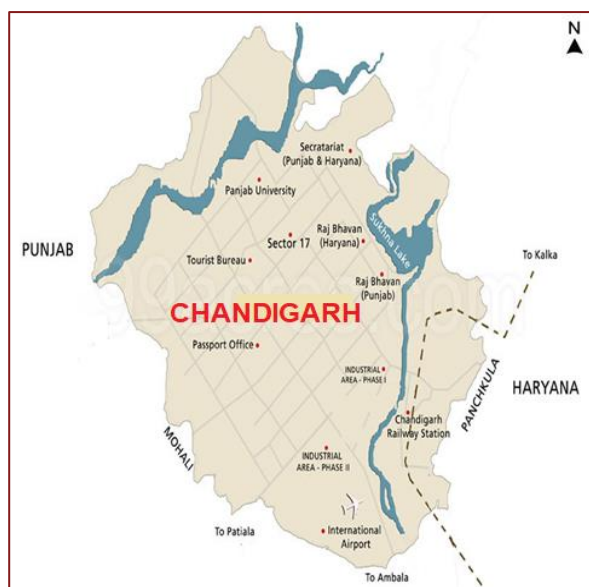
In exercise of powers conferred by the Electricity Act 2003, the Central Government constituted the Joint Electricity Regulatory Commission for all the Union Territories except Delhi to be known as “Joint Electricity Regulatory Commission for the Union Territories” vide notification no. 23/52/2003-R&R dated 2nd May 2005. Later with the joining of the State of Goa, the Commission came to be known as “Joint Electricity Regulatory Commission for the State of Goa and Union Territories” (hereinafter referred to as “JERC” or “the Commission”) vide notification no. 23/52/2003-R&R (Vol. II) dated 30th May 2008.

JERC is a statutory body responsible for regulation of the Power Sector in the State of Goa and Union Territories of Andaman & Nicobar Islands, Lakshadweep, Dadra & Nagar Haveli and Daman & Diu, Chandigarh, and Puducherry, consisting of generation, transmission, distribution, trading and use of electricity etc. Its primary objective includes taking measures conducive to the development of the electricity industry, promoting competition therein, protecting the interests of consumers and ensuring supply of electricity to all areas.

1.2 About Union Territory of Chandigarh

Chandigarh is a city, district and union territory in India that serves as the capital of the two neighbouring states of Punjab and Haryana. It is bordered by the state of Punjab to the north, the west and the south, and by the state of Haryana to the east. The city is unique as it is not a part of either of the two states but is governed directly by the Union Government, which administers all such territories in the country. Chandigarh is located near the foothills of the Shivalik range of the Himalayas in northwest India. It covers an area of approximately 114 km². The metropolitan area of Chandigarh–Mohali–Panchkula collectively forms a Tri-city, with a combined population of over 2 million.

Chandigarh has been rated as one of the "Wealthiest Towns" of India. The city has one of the highest per capita incomes in the country. The city was reported to be one of the cleanest in India based on a national government study. The union territory also heads the list of Indian states and territories according to Human Development Index. In 2020, a survey ranked it among the top 3 happiest cities in India over the happiness index.



1.3 About Electricity Wing of Engineering Department, Chandigarh (EWEDC)

The Electricity Wing of Engineering Department of UT Administration of Chandigarh, hereinafter referred to as ‘EWEDC’ or as the ‘Petitioner’, 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). EWEDC is functioning as an integrated distribution licensee of the Union Territory of Chandigarh. EWEDC procures most of its power through its allocation from Central Generating Stations (CGS) such as NTPC, NHPC, NPCIL BBMB, SJVNL and THDC. The EWEDC also buys short-term power for meeting the demand-supply shortfall during peak hours.

Chandigarh has been divided into various sectors and all the sectors of Chandigarh are electrified and any desiring consumer can avail power supply by submitting a requisition in the prescribed form to the appropriate office of the Department subject to fulfillment of the requisite conditions and payment of charges. The EWEDC is under the control of the Administration of the Union Territory of Chandigarh.

The Government of India has announced Aatma Nirbhar Bharat Abhiyan in May, 2020 to make India self-reliant through structural reforms. One of the key reform measures planned is to reform power distribution and retail supply in Union Territories. Accordingly, Ministry of Power convened a meeting on 12th May 2020 through Video Conference in the matter of privatization of power in the UT Chandigarh along with other UTs wherein direction was given to complete the entire process of privatization of Distribution system within the specified timelines.

The UT Administration of Chandigarh after obtaining the approval of the Hon'ble Governor of Punjab-cum-Administrator, UT of Chandigarh conveyed the decision to the Ministry of Power (MoP) for privatization of Electricity Wing of Engineering Department Chandigarh (EWEDC) on 20th May 2020.

Accordingly, the Request for Proposal for sale of 100% share of Electricity Distribution Network and transmission assets at Extra High Voltage (EHV) level as per Electricity Act, 2003, of Electricity Wing of Engineering Department Chandigarh (EWEDC) – Present Licensee was floated.

The Administrative approval & expenditure sanction and in-principle approval of cabinet was sought for Bid process done to select the highest bidder for sale of 100% equity share of the proposed distribution company. Approval is also sought for the formation of the company by the name of Chandigarh Power Distribution Company Limited (CPDCL), in which the assets of the existing Electricity Wing of Engineering Department Chandigarh (EWEDC) shall be transferred.

The Union Cabinet has accorded its approval to the Cabinet Note on dated 7th January 2022. Further, the process of privatisation is underway and change of management is expected in early part of FY 2022-23.

1.4 Multi Year Tariff Regulations, 2021

The Commission notified the Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Generation, Transmission and Distribution Multi Year Tariff) Regulations, 2021 (hereinafter referred to as MYT Regulations, 2021) on 22nd March 2021. These Regulations are applicable in the 3rd MYT Control Period comprising of three financial years from FY 2022- 23 to FY 2024-25. These Regulations are applicable to all the generation companies, transmission and distribution licensees in the State of Goa and Union Territories of Andaman & Nicobar Islands, Lakshadweep, Dadra & Nagar Haveli and Daman & Diu, Chandigarh, and Puducherry.

1.5 Filing and Admission of the Present Petition

The present Petition was admitted on 8th April 2022 and marked as Petition No. 79 of 2022. The Commission and the Petitioner subsequently uploaded the Petition on their respective websites.

1.6 Interaction with the Petitioner

A preliminary scrutiny/analysis of the Petition was conducted, and certain deficiencies were observed. Accordingly, discrepancy notes were issued to the Petitioner. Further, additional information/clarifications were solicited from the Petitioner as and when required. The Commission and the Petitioner also discussed various concerns of the Petitioner and key data gaps, which included retail sales, revenue from retail tariff, capitalization, etc. The Petitioner submitted its response to the issues through various letters/emails.

The Commission conducted the Technical Validation Session (TVS) with the Petitioner at the Commission's office in Gurugram, during which the discrepancies in the Petition were conveyed and additional information required by the Commission was sought. Subsequently, the Petitioner submitted replies to the issues raised in this session

and provided documentary evidence to substantiate its claims regarding various submissions. The following table provides the list of interactions with the Petitioner along with the dates:

Table 1: Timelines of the interaction with the Petitioner

S. No	Subject	Date
1	Issue of First Deficiency Note	13 th April 2022
2	Reply received from Petitioner	22 nd April 2022 & 4 th May 2022
3	Technical Validation Session	6 th May 2022
4	Public Hearing	13 th May 2022
5	Issue of Second Deficiency Note	17 th May 2022
6	Replies received from Petitioner	27 th May 2022 & 24 th June 2022

1.7 Notice for Public Hearing

Public Notices were published by the Commission in the leading newspapers as tabled below, giving due intimation to the stakeholders, consumers and the public at large about the Public Hearing to be conducted by the Commission. These notices were also uploaded on the Commission's website

Table 2: Details of Public Notices published by the Commission

Sl. No.	Date	Name of Newspaper	Language	Place of Circulation
1	20 th April 2022 & 10 th May 2022	Ajit	Punjabi	Chandigarh
2		Dainik Jagran	Hindi	Chandigarh
3		The Tribune	English	Chandigarh
4		Hindustan Times	English	Chandigarh

The Public Notice was published by the Petitioner in the following newspapers for inviting objections/suggestions from the stakeholders on the Tariff Petition:

Table 3: Details of Public Notices published by the Petitioner

S.No.	Date	Name of Newspaper	Language	Place of Circulation
1	21 st April 2022	Ajit	Punjabi	Chandigarh
2		Dainik Bhaskar	Hindi	Chandigarh
3		The Tribune	English	Chandigarh
4		Hindustan Times	English	Chandigarh
5	29 th April 2022	Ajit	Punjabi	Chandigarh
6		Dainik Bhaskar	Hindi	Chandigarh
7		The Tribune	English	Chandigarh
8		Hindustan Times	English	Chandigarh

1.8 Public Hearing

The Public Hearing was held on 13th May 2022 at the Auditorium Hall, Government Museum and Art Gallery, Chandigarh to discuss the issues related to the Petition filed by the Petitioner. The issues and concerns raised by the stakeholders in writing and as voiced by them during the Public Hearing have been examined by the Commission. The major issues discussed, the responses of the Petitioner thereon and the views of the Commission, have been summarized in Chapter 2 of this Order.

2 Chapter 2: Summary of Suggestions/ Objections received, Response from the Petitioner and the Commission's Views

2.1 Regulatory Process

On admitting the Petition, the Commission directed the Petitioner to make copies of the Petition available to the public, upload the Petition on the website and also publish the same in the newspapers duly inviting comments/objections from the public as per the provisions of the MYT Regulations, 2021.

The Public Hearing was held at Auditorium Hall, Government Museum and Art Gallery, Chandigarh on 13th May 2022 on the Petition for Approval of its Business Plan for the 3rd MYT Control Period from FY 2022-23 to FY 2024-25. During the Public Hearing, a few of the stakeholders who had submitted their comments in writing also presented their views in person before the Commission. Other participants from the general public, who had not submitted written comments/objections earlier, were also given an equal opportunity to present their views/suggestions in respect to the Petition. The names of the stakeholders who attended the Public Hearing are provided in Annexure-I.

2.2 Suggestions/ Objections, Response of the Petitioner and Commission's Views

The Commission is appreciative of the efforts of various stakeholders in providing their suggestions/comments/observations to make the Electricity Distribution Sector responsive and efficient. The Commission has noted the concerns of all the stakeholders and has tried to address them to the extent possible. Relevant observations have been suitably considered by the Commission while finalizing the Tariff Order. The submissions of the stakeholders, response of the Petitioner and views of the Commission are summarized as follows:

2.2.1 Manpower Planning

Stakeholder's Comment:

The operation and maintenance can have the real meaning only when the sufficient resources and manpower is available with the department otherwise it is purposeless. In this connection, the kind attention of the Commission is invited on the fact that although sufficient expenses have been projected for the manpower in past, only 50% of the same is exhausted out of the salary expenses. The reason behind it is the consistent failure of the employer to recruit/ appoint sufficient number of manpower to run the show of the Electricity Department smoothly. It is also worth mentioning that the directives of the Commission from time to time could not become fruitful as the administration seems to have been sitting deaf and dumb.

Chapter 7 - Compliance of Directives

The directives of the Commission in various matters of the electricity department are merely on paper whereas its implementation seems nowhere. The electricity department of Chandigarh Administration has drastically failed on the platform of manpower deployment. The Commission has given a no. of directives to the Chandigarh Administration to fill up the posts by way of recruitment but the department has done nothing in this regard. This pressure is gradually developing, and a day will come when the system will get flip flop and for this, the sole

responsibility will lie upon the shoulders of the administration. The Commission must come with iron clad hands so as to get their orders implemented in toto, otherwise the purpose of carrying the public hearings will only be a public drama and the basic purpose will be wholly forfeited.

The Commission had got conducted the survey of the manpower of the electricity department through a consultant and the report of the same is self-speaking but it is shocking that the implementation of the same could not be done despite lapse of 8 years. It is not understood as to how the qualitative services in the presence of **Standards of Performance** and **now Right to Service** will be delivered to the public of the beautiful city Chandigarh. The reply of the department is very sluggish and beyond the truth. It is worth mentioning that the Ministry of Finance, Department of Expenditure had also conducted the survey of the staff by way of carrying out the on-spot study of the staff through their integrated wing known as **Staff Inspection Unit** during the year 2001 whereby sufficient no. of vacancies were generated to cater to the rising load of the electricity department. There is till date no action on any of the reports which reflects the major failure of the Chandigarh Administration in filling up the vacant posts. None of the report of either the Govt. itself or the Commission has been implemented, nor any initiative has been taken to fill up the posts as per sanctioned strength / yardsticks. It is quite unfortunate that the recruitment of the staff has now been linked with the corporatization earlier and now with the privatization of the department and merely just by floating the tender have been trying to divert the issue. The process of privatization is already under strong protest of the U.T. Powermen Union, thus praying to fill up the posts of Direct recruitment and Promotions strictly as per sanctioned posts i.e. 1780 in the larger interest of Employees. Hence, praying for immediate intervention so that stagnated employees get promotions.

Petitioner's Response:

In this regard, it is submitted that the Manpower study has been approved by the Commission vide order dated 29.12.2014. The case for necessary concurrence to the recommendations of the Commission dated 29.12.2014 was sent to the Govt. of India, Ministry of Power, New Delhi vide Secretary Engineering, Chandigarh Administration Chandigarh Memo No. 4981 dt. 14.07.2015. The Govt. of India, Ministry of Power vide letter dated 05.05.17 raised some observations which remained under consideration of the Competent authority as intimated vide the then CE-cum-Spl. Secy.(Engg) Memo No. 4494 dt. 08.06.18 and the matter kept in abeyance and not approved. The posts sanctioned by the Commission, whether on outsource basis or on regular basis are very less than the posts already sanctioned by the Govt. of India but in the absence of approval, neither the posts already sanctioned by GOI nor the posts approved by the JERC could be filled up.

Thereafter, the matter of shortage of staff in the department was taken up with the competent authority of Chandigarh Administration, however, the then Chief Engineer-cum-SS (Engg.) U.T., Chandigarh vide his office Memo no. 6741 dated 23.10.2019 intimated that the process to appoint the consultant to study the feasibility of corporatization of Electricity Wing of Engineering Department UT Chandigarh has been undertaken and the manpower study also lies in the scope of said consultancy.

The case for filling up the posts through direct recruitment was returned by the Chief Engineer-cum-SS (Engg.) UT Chandigarh with the remarks that privatization of Electricity Wing of Engineering Department is under process. As such, it would not be appropriate to carry out direct recruitment at this stage. In view of the decisions as taken at different stages as detailed above, number of posts in the Electricity Wing have come in the purview of deemed abolished/ abolished due to which the Working of the Department is hampered badly.

Now, presently, a total of 1085 (631-Regular, 454-outsourced) employees are working in the Electricity wing against total Sanctioned (Operational) posts of 1436 nos. as on 31.03.2022. Moreover, the Central Civil Services Rules have now been implemented by the Chandigarh Administration w.e.f. 01.04.2022.

The process for filling up of 134 nos. (Regular) vacant posts of direct quota has now been initiated out of which public notice for 53 no. posts of ALMs, 8 no. posts of Drivers and 1 no. Draftsman (Total 62 nos.) as per Centre rules has been submitted to CE UT for approval vide this office Memo no.990 dated 25.05.2022 & 1073 dt. 06.06.2022 and the approval for the same is awaited.

Commission's View:

The Commission has noted the concerns of the Stakeholder. The stakeholder may note the reply of the Petitioner. Further, although the EWEDC is under privatization, the Petitioner may ensure availability of sufficient manpower to run the department efficiently.

3 Chapter 2: Approval of the various components of the Business Plan Petition for the Multi-Year Control Period FY 2022-23 to FY 2024-25

3.1 Introduction

Regarding Business Plan, Regulation 8 of the JERC MYT Regulations, 2021 specifies as follows:

“8 Business Plan

8.1 The Transmission Licensee and Distribution Licensee shall file a petition, duly approved by the competent authority, for approval of Business Plan by the Commission for the entire Control Period, latest by May 15, 2021:

Provided that the Generation Company shall not be required to file a Business Plan for the Control Period.

8.2 The Business Plan filed by the Distribution Licensee shall contain separate sections on Distribution Wires Business and Retail Supply Business.

.....

8.4 The Business Plan filed by Distribution Licensee shall inter-alia contain:

a) Capital Investment Plan for each Year of the Control Period commensurate with load growth, distribution loss reduction trajectory and quality improvement measures proposed in the Business Plan in accordance with Regulation 8.5;

b) Capital Structure of each scheme proposed and the cost of financing (interest on debt and return on equity), terms of the existing loan agreements, etc.;

c) Sales Forecast for each Consumer category and sub-categories for each Year of the Control Period in accordance with Regulation 8.6;

d) Power Procurement Plan based on the Sales Forecast and distribution loss trajectory for each Year of the Control Period in accordance with the Regulation 8.7;

e) Targets for distribution loss for each Year of the Control Period consistent with the Capital Investment Plan proposed by the Licensee;

f) Projections for number of employees during each Year of the Control Period based on proposed recruitments and retirement;

g) Proposals in respect of income from Other Business for each Year of the Control Period.”

This chapter deals with the key aspects of the Business Plan Petition submitted by the Petitioner and is structured as below.

- Forecast of Number of Consumers, Connected Load and Sales for the Control Period

- Transmission and Distribution (T&D) loss
- Power Procurement Plan
- Capital Investment Plan
- Reliability Indices
- Manpower Plan

In the subsequent sections, the Commission has recorded Petitioner's submissions and analysed them. The Commission has subsequently recorded its reasoning while approving each of the components.

3.2 Forecast of Number of Consumers, Connected Load and Sales for the Control Period

3.2.1 Overall Approach

Petitioner's submission

The Petitioner has taken the historical Compounded Annual Growth Rate (CAGR) for each consumer category as per the provisional figures from FY 2014-15 till FY 2019-20. Since FY 2020-21 and FY 2021-22 were the years affected from Covid-19 pandemic and due to lockdown, etc., the sales were reduced abnormally. Hence, while considering the CAGR for sales, number of consumers and demand, FY 2020-21 and FY 2021-22 has not been considered and CAGR is calculated considering actual figures from FY 2014-15 to FY 2019-20. Hence, FY 2019-20 is considered as Base Year.

For FY 2021-22, as there has been lockdown in H1 and lockdowns have been relaxed in H2, EWEDC expects the sales that dropped in FY 2020-21 and FY 2021-22 will pick up again in FY 2022-23 and will reach at the levels of FY 2019-20. Hence, the Petitioner has assumed the same sales as FY 2019-20 in FY 2022-23. Further, based on the historical CAGR for each consumer category & base year, EWEDC has forecasted the figures for the control period FY 2022-23 to FY 2024-25 as follows:

Table 4: Petitioner's submission on projection of Number of Consumers for 3rd MYT Control Period

Sl. No.	Number of Consumers	Base Year Projections	CAGR Considered	Projections		
	Consumer Category	FY 2021-22		FY 2022-23	FY 2023-24	FY 2024-25
1	Domestic (LT + HT)	201,490	1.61%	204,724	208,011	211,350
2	Non-Domestic (LT+ HT)	27,323	4.39%	28,521	29,772	31,078
3	Large Supply	95	0.00%	95	95	95
4	Medium Supply	1,443	0.00%	1,443	1,443	1,443
5	Small Power	1,476	1.09%	1,492	1,508	1,525
6	Agriculture	121	0.83%	122	123	124
7	Public Lighting	1,493	5.82%	1,580	1,672	1,770
8	Bulk Supply	531	0.00%	531	531	531
9	Others Temporary Supply	448	0.00%	448	448	448
	Total	234,420		238,957	243,603	248,363

Table 5: Petitioner's submission on projection of Connected Load for 3rd MYT Control Period

Sl. No.	Connected Load (kW)	Base Year Projections	CAGR Considered	Projections		
	Consumer Category	FY 2021-22		FY 2022-23	FY 2023-24	FY 2024-25
1	Domestic (LT + HT)	940,924	3.36%	972,548	1,005,234	1,039,019
2	Non-Domestic (LT+ HT)	512,400	4.22%	534,021	556,553	580,037
3	Large Supply	67,983	0.00%	67,983	67,983	67,983
4	Medium Supply	78,758	0.00%	78,758	78,758	78,758
5	Small Power	24,493	3.34%	25,310	26,155	27,027
6	Agriculture	884	3.69%	917	950	985
7	Public Lighting	4,813	2.48%	4,933	5,055	5,180
8	Bulk Supply	41,708	0.09%	41,746	41,784	41,822

Sl. No.	Connected Load (kW)	Base Year Projections	CAGR Considered	Projections		
	Consumer Category	FY 2021-22		FY 2022-23	FY 2023-24	FY 2024-25
9	Others Temporary Supply	2,136	0.00%	2,136	2,136	2,136
	Total	1,674,100		1,728,351	1,784,609	1,842,948

Table 6: Petitioner's submission on projection of Sales for 3rd MYT Control Period

Sl. No.	Energy Sales (MU)	Base Year Projections	CAGR Considered	Projections		
	Consumer Category	FY 2021-22		FY 2022-23	FY 2023-24	FY 2024-25
1		702.80	4.86%	759.21	796.10	834.78
2	Non-Domestic (LT+ HT)	414.26	1.50%	484.49	491.76	499.13
3	Large Supply	108.81	1.10%	123.76	125.12	126.49
4	Medium Supply	99.51	0.00%	106.38	106.38	106.38
5	Small Power	16.28	0.00%	18.43	18.43	18.43
6	Agriculture	1.21	2.73%	1.41	1.45	1.49
7	Public Lighting	14.21	0.00%	14.78	14.78	14.78
8	Bulk Supply	78.79	2.40%	82.88	84.87	86.91
9	Others Temporary Supply	4.14	0.00%	4.20	4.20	4.20
	Total	1440.02		1595.55	1643.08	1692.58

Commission's Analysis

With regards to Sales forecast, Regulation 8.6 of the JERC MYT Regulations, 2021 specifies as follows:

"8.6 Sales Forecast

- a) The Distribution Licensee shall forecast sales for each Consumer category and subcategories, at different voltage levels, for each Year of the Control Period in their Business Plan filings, for the Commission's review and approval;*
- b) The forecast shall be based on the actual demand of electricity in previous Years, anticipated growth in demand in coming Years, expected growth in the number of Consumers, load growth, changes in the pattern of consumption, target distribution losses and other relevant factors;*
- c) The Licensee shall indicate separately the sale of electricity to traders or another Licensee and category wise sales to Open Access Consumers."*

The Petitioner has submitted the actual audited data in respect of number of consumers, connected load and energy sales from FY 2017-18 to FY 2019-20 and provisional data for FY 2020-21 and FY 2021-22. Further, upon analyzing the data submitted by the Petitioner, various discrepancies were observed even in the billing information forwarded by the Petitioner. The Commission directs the Petitioner to submit audited data in respect of number of consumers, connected load and energy sales for FY 2020-21 and FY 2021-22 at the time of filing of Tariff Petition for the FY 2023-24.

For the purpose of projections in this Order, the Commission has considered the data submitted by the Petitioner vide its replies to the Deficiency Note dated 13th April 2022. Further, the Commission has considered the energy sales for FY 2014-15, FY 2015-16 and FY 2016-17 approved during the True-up of the respective years. The Commission has accordingly determined the CAGRs for each consumer category based on historical trends. However, the number of consumers, connected load and energy sales for FY 2020-21 has not been considered as the same was impacted by the Covid-19 pandemic and considering the information from FY 2020-21 would not provide accurate projections for the 3rd MYT Control Period. The Commission has therefore considered the provisional figures for the number of consumers, connected load and energy sales for FY 2021-22 as the base year figures. After analysis of the historical growth in sales, number of consumers and connected load, the Commission has considered the 1-year, 2-year, 3-year, 4-year or 5-year CAGR for projections in each category based on the observed historical trends. If the growth rates observed is negative for a consumer category, the Commission has considered the figures observed in FY 2021-22 for each year of the 3rd MYT Control Period.

3.2.2 Category-Wise Analysis

The historical data considered by the Commission for analysis is provided below:

Table 7: Historical data for number of consumers considered by the Commission

Sl. No.	Consumer Category	No. of Consumers					
		FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20
1	Domestic (LT + HT)	183,211	188,375	191,436	212,499	194,558	197,594
2	Non-Domestic (LT+ HT)	22,143	22,661	23,493	25,942	24,603	25,775
3	Large Supply	108	103	99	97	127	98
4	Medium Supply	1,197	1,255	1,288	1,305	1,394	1,270
5	Small Power	1,275	1,269	1,275	1,281	1,418	1,311
6	Agriculture	121	120	119	124	122	122
7	Public Lighting	886	978	1,082	1,168	1,217	1,308
8	Bulk Supply	592	667	732	637	587	560
9	Others Temporary Supply	620	573	437	386	357	413
	Total	210,153	216,001	219,961	243,439	224,383	228,451

Table 8: Historical data for connected load (kW) considered by the Commission

Sl. No.	Consumer Category	Connected Load (kW)					
		FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20
1	Domestic (LT + HT)	794,926	818,172	850,347	909,069	896,687	903,470
2	Non-Domestic (LT+ HT)	383,574	400,437	424,746	446,005	454,578	453,294
3	Large Supply	71,762	71,904	70,044	69,431	69,231	68,639
4	Medium Supply	65,907	70,162	71,457	72,362	76,548	69,572
5	Small Power	19,268	19,364	19,565	19,717	22,321	21,368
6	Agriculture	722	737	748	843	835	834
7	Public Lighting	5,956	6,243	6,660	6,756	4,911	4,583
8	Bulk Supply	41,464	41,916	42,454	42,253	42,053	41,653
9	Others Temporary Supply	3,510	3,250	2,480	2,191	32,529	2,587
	Total	1,387,089	1,432,185	1,488,501	1,568,627	1,599,693	1,566,000

Table 9: Historical data for energy sales (MU) considered by the Commission

Sl. No.	Consumer Category	Energy Sales (MU)					
		FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20
1	Domestic (LT + HT)	655.38	658.50	721.70	731.94	704.67	759.21
2	Non-Domestic (LT+ HT)	460.21	463.34	498.68	494.02	472.98	484.49
3	Large Supply	117.20	131.84	126.74	119.85	125.15	123.76
4	Medium Supply	103.58	110.94	116.08	119.33	116.40	106.38
5	Small Power	20.50	19.01	19.53	19.50	18.87	18.43
6	Agriculture	1.67	1.49	1.30	1.43	1.36	1.41
7	Public Lighting	21.67	22.50	21.83	17.73	15.09	14.78
8	Bulk Supply	83.49	77.19	80.60	80.60	77.31	82.88
9	Others Temporary Supply	7.97	6.52	4.98	4.40	3.93	4.20
	Total	1,471.67	1491.33	1591.44	1588.80	1535.77	1595.55

Based on the analysis of historical data, the historical CAGRs and Year-on-Year (Y-o-Y) growths assessed by the Commission for the number of consumers, connected load and energy sales are as follows:

Table 10: Historical CAGRs and Year-on-Year (Y-o-Y) growths considered by the Commission for Number of Consumers

Sl. No.	Consumer Category	Y-o-Y Growth					CAGR				
		FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-yr	4-yr	3-yr	2-yr	1-yr
1	Domestic (LT + HT)	2.82%	1.62%	11.00%	(8.44%)	1.56%	1.52%	1.20%	1.06%	(3.57%)	1.56%

Sl. No.	Consumer Category	Y-o-Y Growth					CAGR				
		FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-yr	4-yr	3-yr	2-yr	1-yr
2	Non-Domestic(LT+HT)	2.34%	3.67%	10.42%	(5.16%)	4.76%	3.08%	3.27%	3.14%	(0.32%)	4.76%
3	Large Supply	(4.63%)	(3.88%)	(2.02%)	30.93%	(22.83%)	(1.92%)	(1.24%)	(0.34%)	0.51%	(22.83%)
4	Medium Supply	4.85%	2.63%	1.32%	6.82%	(8.90%)	1.19%	0.30%	(0.47%)	(1.35%)	(8.90%)
5	Small Power	(0.47%)	0.47%	0.47%	10.69%	(7.55%)	0.56%	0.82%	0.93%	1.16%	(7.55%)
6	Agriculture	(0.83%)	(0.83%)	4.20%	(1.61%)	0.00%	0.16%	0.41%	0.83%	(0.81%)	0.00%
7	Public Lighting	10.38%	10.63%	7.95%	4.20%	7.48%	8.10%	7.54%	6.53%	5.82%	7.48%
8	Bulk Supply	12.67%	9.75%	(12.98%)	(7.85%)	(4.60%)	(1.11%)	(4.28%)	(8.54%)	(6.24%)	(4.60%)
9	Others Temporary Supply	(7.58%)	(23.73%)	(11.67%)	(7.51%)	15.69%	(7.80%)	(7.86%)	(1.87%)	3.44%	15.69%

Table 11: Historical CAGRs and Year-on-Year (Y-o-Y) growths considered by the Commission for Connected Load

Sl. No.	Consumer Category	Y-o-Y Growth					CAGR				
		FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-yr	4-yr	3-yr	2-yr	1-yr
1	Domestic (LT + HT)	2.92%	3.93%	6.91%	(1.36%)	0.76%	2.59%	2.51%	2.04%	(0.31%)	0.76%
2	Non-Domestic (LT+HT)	4.40%	6.07%	5.01%	1.92%	(0.28%)	3.40%	3.15%	2.19%	0.81%	(0.28%)
3	Large Supply	0.20%	(2.59%)	(0.88%)	(0.29%)	(0.86%)	(0.89%)	(1.16%)	(0.67%)	(0.57%)	(0.86%)
4	Medium Supply	6.46%	1.85%	1.27%	5.78%	(9.11%)	1.09%	(0.21%)	(0.89%)	(1.95%)	(9.11%)
5	Small Power	0.50%	1.04%	0.78%	13.21%	(4.27%)	2.09%	2.49%	2.98%	4.10%	(4.27%)
6	Agriculture	2.08%	1.49%	12.74%	(1.04%)	(0.08%)	2.92%	3.13%	3.69%	(0.56%)	(0.08%)
7	Public Lighting	4.82%	6.68%	1.45%	(27.32%)	(6.67%)	(5.11%)	(7.44%)	(11.71%)	(17.64%)	(6.67%)
8	Bulk Supply	1.09%	1.28%	(0.47%)	(0.47%)	(0.95%)	0.09%	(0.16%)	(0.63%)	(0.71%)	(0.95%)
9	Others Temporary Supply	(7.41%)	(23.69%)	(11.65%)	1384.66%	(92.05%)	(5.92%)	(5.55%)	1.41%	8.66%	(92.05%)

Table 12: Historical CAGRs and Year-on-Year (Y-o-Y) growths considered by the Commission for Energy Sales

Sl. No.	Consumer Category	Y-o-Y Growth					CAGR				
		FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-yr	4-yr	3-yr	2-yr	1-yr
1	Domestic (LT + HT)	0.48%	9.60%	1.42%	(3.73%)	7.74%	2.99%	3.62%	1.70%	1.85%	7.74%
2	Non-Domestic (LT+HT)	0.68%	7.63%	(0.93%)	(4.26%)	2.43%	1.03%	1.12%	(0.96%)	(0.97%)	2.43%
3	Large Supply	12.49%	(3.87%)	(5.43%)	4.42%	(1.11%)	1.10%	(1.57%)	(0.79%)	1.62%	(1.11%)
4	Medium Supply	7.11%	4.63%	2.80%	(2.45%)	(8.61%)	0.53%	(1.04%)	(2.87%)	(5.58%)	(8.61%)
5	Small Power	(7.27%)	2.74%	(0.13%)	(3.26%)	(2.31%)	(2.10%)	(0.77%)	(1.91%)	(2.78%)	(2.31%)
6	Agriculture	(10.78%)	(12.75%)	10.03%	(4.60%)	3.64%	(3.27%)	(1.30%)	2.85%	(0.57%)	3.64%
7	Public Lighting	3.83%	(2.98%)	(18.80%)	(14.85%)	(2.10%)	(7.37%)	(9.98%)	(12.20%)	(8.70%)	(2.10%)
8	Bulk Supply	(7.55%)	4.42%	0.00%	(4.08%)	7.20%	(0.15%)	1.79%	0.93%	1.40%	7.20%

Sl. No.	Consumer Category	Y-o-Y Growth					CAGR				
		FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	5-yr	4-yr	3-yr	2-yr	1-yr
9	Others Temporary Supply	(18.19%)	(23.62%)	(11.65%)	(10.76%)	6.96%	(12.03%)	(10.41%)	(5.52%)	(2.30%)	6.96%

Domestic

Petitioner's submission

The Petitioner has considered the sales for FY 2022-23 at the levels of FY 2019-20. Further, the Petitioner has considered the CAGR of 4 years up to FY 2019-20 for projecting the number of consumers, connected load and energy sales.

Commission's analysis

The Commission has considered the CAGR of 4 years up to FY 2019-20 for projecting number of consumers and energy sales, and the CAGR of 3 years up to FY 2019-20 for projecting connected load.

The growth rates approved by the Commission are as below:

Table 13: Growth rates approved by the Commission for Domestic Category

Consumer Category	Growth in number of consumers		Load Growth		Sales Growth	
	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved
Domestic	1.61%	1.20%	3.36%	2.04%	4.86%	3.62%

Non-Domestic

Petitioner's submission

The Petitioner has considered the sales for FY 2022-23 at the levels of FY 2019-20. Further, the Petitioner has considered the CAGR of 4 years up to FY 2019-20 for projecting the number of consumers, connected load and energy sales.

Commission's analysis

Based on the analysis of the historical trends, the Commission has considered the CAGR of 4 years up to FY 2019-20 for projecting energy sales, and the CAGR of 3 years up to FY 2019-20 for projecting number of consumers and connected load.

The growth rates approved by the Commission are as below:

Table 14: Growth rates approved by the Commission for Non-Domestic Category

Consumer Category	Growth in number of consumers		Load Growth		Sales Growth	
	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved
Non-Domestic	4.39%	3.14%	4.22%	2.19%	1.50%	1.12%

Large Supply**Petitioner's submission**

The Petitioner has considered the sales for FY 2022-23 at the levels of FY 2019-20. The Petitioner has considered the CAGR of 5 years up to FY 2019-20 for projecting the energy sales and Nil growth for projecting the number of consumers and connected load.

Commission's analysis

The Commission has considered the CAGR of 5 years up to FY 2019-20 for projecting energy sales and the CAGR of 2 years up to FY 2019-20 for projecting number of consumers. Further, the Commission has considered Nil growth for projecting connected load.

The growth rates approved by the Commission are as below:

Table 15: Growth rates approved by the Commission for Large Supply Category

Consumer Category	Growth in number of consumers		Load Growth		Sales Growth	
	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved
Large Supply	0.00%	0.51%	0.00%	0.00%	1.10%	1.10%

Medium Supply**Petitioner's submission**

The Petitioner has considered the sales for FY 2022-23 at the levels of FY 2019-20 and Nil growth over the figures observed in FY 2022-23. The Petitioner has not considered any growth in the number of consumers and connected load over the respective figures observed in FY 2020-21.

Commission's analysis

The Commission has not considered any growth in the energy sales and Connected load over the respective figures observed in FY 2021-22, and the CAGR of 4 years up to FY 2019-20 for projecting number of consumers.

The growth rates approved by the Commission are as below:

Table 16: Growth rates approved by the Commission for Medium Supply Category

Consumer Category	Growth in number of consumers		Load Growth		Sales Growth	
	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved
Medium Supply	0.00%	0.30%	0.00%	0.00%	0.00%	0.00%

Small Power**Petitioner's submission**

The Petitioner has considered the sales for FY 2022-23 at the levels of FY 2019-20 and Nil growth over the figures observed in FY 2022-23. The Petitioner has considered CAGR of 4 years up to FY 2019-20 for projecting the number of consumers and connected load over the respective figures observed in FY 2020-21.

Commission's analysis

Based on the analysis of the historical trends, the Commission has not considered any growth in the energy sales over the figures observed in FY 2021-22 and the CAGR of 4 years up to FY 2019-20 for projecting number of consumers and connected load.

The growth rates approved by the Commission are as below:

Table 17: Growth rates approved by the Commission for Small Power Category

Consumer Category	Growth in number of consumers		Load Growth		Sales Growth	
	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved
Small Power	1.09%	0.82%	3.34%	2.49%	0.00%	0.00%

Agriculture

Petitioner's submission

The Petitioner has considered the sales for FY 2022-23 at the levels of FY 2019-20. The Petitioner has considered the CAGR of 3 years up to FY 2019-20 for projecting number of consumers, energy sales and connected load.

Commission's analysis

The Commission has considered CAGR of 3 years up to FY 2019-20 over the figures observed in FY 2021-22 for projecting the energy sales and CAGR of 5 years up to FY 2019-20 over the figures observed in FY 2021-22 for projecting the number of consumers and connected load.

The growth rates approved by the Commission are as below:

Table 18: Growth rates approved by the Commission for Agriculture

Consumer Category	Growth in number of consumers		Load Growth		Sales Growth	
	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved
Agriculture	0.83%	0.16%	3.69%	2.92%	2.73%	2.85%

Public Lighting

Petitioner's submission

The Petitioner has considered the sales for FY 2022-23 at the levels of FY 2019-20 and Nil growth over the figures observed in FY 2022-23. The Petitioner has considered the CAGR of 2 years up to FY 2019-20 for projecting the number of consumers and the 2.48% increase in FY 2020-21 over FY 2019-20 values for projecting the connected load.

Commission's analysis

Based on the analysis of the historical trends, the Commission has not considered any growth in the, connected load and energy sales over the respective figures observed in FY 2021-22. The Commission has considered the CAGR of 1 year up to FY 2019-20 over the figures observed in FY 2021-22 for projecting the number of connections.

The growth rates approved by the Commission are as below:

Table 19: Growth rates approved by the Commission for Public Lighting category

Consumer Category	Growth in number of consumers		Load Growth		Sales Growth	
	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved
Public Lighting	5.82%	7.48%	2.48%	0.00%	0.00%	0.00%

Bulk Supply

Petitioner's submission

The Petitioner has considered the sales for FY 2022-23 at the levels of FY 2019-20 and a CAGR of 4 years up to FY 2019-20 for projecting the energy sales. The Petitioner has not considered any growth in the number of consumers over the respective figures observed in FY 2020-21, and the CAGR of 5 years up to FY 2019-20 over the figures observed in FY 2020-21 for projecting connected load.

Commission's analysis

The Commission has not considered any growth in the number of consumers and connected load over the respective figures observed in FY 2021-22. Further, the Commission has considered a CAGR of 2 years up to FY 2019-20 for projecting energy sales over the respective figures observed in FY 2021-22.

The growth rates approved by the Commission are as below:

Table 20: Growth rates approved by the Commission for Bulk Supply

Consumer Category	Growth in number of consumers		Load Growth		Sales Growth	
	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved
Bulk Supply	0.00%	0.00%	0.09%	0.00%	2.40%	1.40%

Others Temporary Supply

Petitioner's submission

The Petitioner has considered the sales for FY 2022-23 at the levels of FY 2019-20 and Nil growth over the figures observed in FY 2022-23.

Commission's analysis

Based on the analysis of the historical trends, the Commission has not considered any growth in the number of consumers, connected load and energy sales over the respective figures observed in FY 2021-22.

The growth rates approved by the Commission are as below:

Table 21: Growth rates approved by the Commission for Others Temporary Supply

Consumer Category	Growth in number of consumers		Load Growth		Sales Growth	
	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved	Growth Rate Submitted	CAGR Approved
Others Temporary Supply	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

3.2.3 Projections of Number of Consumers, Connected Load and Energy Sales approved by the Commission

Accordingly, the projections of number of consumers, connected load and energy sales for the Base Year and the 3rd MYT Control Period based on CAGRs approved by the Commission are as follows:

Table 22: Consumer growth projections approved by the Commission for the 3rd MYT Control Period

Sl. No.	Consumer Category	Consumer growth projections			
		Base Year	Control Period (Approved)		
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Domestic (LT + HT)	200,945	203,356	205,797	208,266
2	Non-Domestic (LT+ HT)	26,625	27,461	28,323	29,213
3	Large Supply	110	111	111	112
4	Medium Supply	1,474	1,478	1,483	1,487
5	Small Power	1,502	1,514	1,527	1,539
6	Agriculture	122	122	122	123
7	Public Lighting	1,519	1,633	1,755	1,886
8	Bulk Supply	533	533	533	533
9	Others Temporary Supply	446	446	446	446
	Total	233,276	236,654	240,097	243,604

Table 23: Connected load growth projections approved by the Commission for the 3rd MYT Control Period

Sl. No.	Consumer Category	Connected load growth projections (kW)			
		Base Year	Control Period (Approved)		
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Domestic (LT + HT)	922,872	941,699	960,910	980,512
2	Non-Domestic (LT+ HT)	504,304	515,348	526,634	538,167
3	Large Supply	73,244	73,244	73,244	73,244
4	Medium Supply	80,859	80,859	80,859	80,859
5	Small Power	24,431	25,039	25,663	26,302
6	Agriculture	923	950	977	1,006
7	Public Lighting	4,709	4,709	4,709	4,709
8	Bulk Supply	42,648	42,648	42,648	42,648
9	Others Temporary Supply	1,539	1,539	1,539	1,539
	Total	1,655,529	1,686,035	1,717,183	1,748,987

Table 24: Energy sales growth projections approved by the Commission for the 3rd MYT Control Period

Sl. No.	Consumer Category	Energy sales growth projections (MU)			
		Base Year	Control Period (Approved)		
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Domestic (LT + HT)	770.27	798.15	827.05	856.99
2	Non-Domestic (LT+ HT)	402.16	406.67	411.22	415.83
3	Large Supply	117.48	118.77	120.08	121.40
4	Medium Supply	98.26	98.26	98.26	98.26
5	Small Power	16.35	16.35	16.35	16.35
6	Agriculture	1.44	1.49	1.53	1.57
7	Public Lighting	14.75	14.75	14.75	14.75
8	Bulk Supply	77.17	78.25	79.34	80.45
9	Others Temporary Supply	3.56	3.56	3.56	3.56
	Total	1,501.44	1,536.24	1,572.14	1,609.16

3.3 Intra-state Transmission & Distribution (T&D) losses

Petitioner's submission

The Petitioner has submitted that it has been working hard to reduce its distribution losses to the targets approved by the Commission in the 2nd MYT Control Period. The Petitioner 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.

Also, the infusion of funds for system strengthening and augmentation activities have reduced the losses in the system over time.

The actual distribution losses for FY 2020-21 are 13.81%. EWEDC has considered the distribution loss target for FY 2021-22 as 13.31% after considering 0.50% improvement. The revised estimate is higher than the approved losses as FY 2021-22 was also severely affected by COVID resulting in higher LT consumption.

However, the Petitioner expects things to normalize from FY 2022-23 and therefore the Petitioner has considered reduction of distribution losses by 0.25% every year. The Petitioner has further submitted that considering the sales mix of the Petitioner, which is more dominant by LT consumption, it is very difficult to aggressively reduce the losses. Accordingly, EWEDC has proposed the distribution loss trajectory for the 3rd MYT Control Period as follows:

Table 25: T&D loss (%) trajectory proposed by the Petitioner for the 3rd MYT Control Period

Base Year	Projections		
FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
13.31%	13.06%	12.81%	12.56%

Commission's analysis

The Petitioner has submitted the details of actual T&D losses achieved in the 2nd MYT Control Period for FY 2019-20 and FY 2020-21 and provisional T&D losses achieved in FY 2021-22. The Commission therefore directs the Petitioner to submit the details of actual annual T&D losses for FY 2021-22 along with the next Tariff Petition.

The T&D losses approved by the Commission in the previous Control Period vis-à-vis T&D losses achieved by the Petitioner during the same period is given in the following table:

Table 26: T&D losses approved by the Commission in the 2nd MYT Control Period vis-à-vis T&D losses achieved by the Petitioner

	T&D loss (%)	
	Approved ¹	Actual (A)/ Provisional (P)
FY 2019-20	9.40%	11.91% (A)
FY 2020-21	9.30%	13.81% (A)
FY 2021-22	9.20%	13.31% (P)

Further, the Government of India proposed the privatization of the UT of Chandigarh and as per the Request for Proposal (RfP) floated for privatization of EWEDC, the incumbent private player will be needed to bring down the T&D losses to 7.6% over the next five years from the currently estimated T&D losses of 9.20% in FY 2021-22.

Accordingly, the Commission has set the T&D loss trajectory for the 3rd MYT Control Period keeping in cognizance the T&D targets set in the RfP for privatization for EWEDC.

In view of above, the Commission opines that the Petitioner should be able to further reduce T&D losses by 0.40% annually in the 3rd MYT Control Period. The Commission has considered the T&D losses for FY 2021-22 as 9.20%

¹ Business Plan Order dated 16 November 2018

as approved in previous tariff order dated 30th March 2021. The T&D loss trajectory approved by the Commission is given in the following table:

Table 27: T&D loss trajectory approved by the Commission

	FY 2022-23		FY 2023-24		FY 2024-25	
	Petitioner's submission	Approved by Commission	Petitioner's submission	Approved by Commission	Petitioner's submission	Approved by Commission
T&D loss trajectory (%)	13.06%	8.80%	12.81%	8.40%	12.56%	8.00%

3.4 Power Procurement Plan

3.4.1 Energy Requirement

Petitioner's submission

The Petitioner has submitted the projection of energy requirement at periphery by grossing up the sales projections with distribution loss trajectory as proposed. The summary of the energy requirement as estimated by the Petitioner is provided in the following below:

Table 28: Energy requirement proposed by the Petitioner

Particulars	Projections			
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
ENERGY REQUIREMENT (MU)				
Energy sales within the State/UT	1,440.02	1,595.55	1,643.08	1,692.58
Distribution losses				
%	13.31%	13.06%	12.81%	12.56%
MU	221.15	239.74	241.47	243.19
Energy required at State Periphery	1,730.60	1,911.96	1,963.23	2,016.54

Commission's analysis

Based on the sales projections and T&D losses approved by the Commission above, the energy requirement at State periphery and the total energy input estimated by the Commission for the 3rd MYT Control Period is provided in the following table:

Table 29: Energy requirement at UT periphery and total energy input approved by the Commission

Particulars	Approved Energy Requirement (MU)		
	FY 2022-23	FY 2023-24	FY 2024-25
Energy sales within the State (A)	1,536.24	1,572.14	1,609.16
T&D Loss (%) (B)	8.80%	8.40%	8.00%
Energy required at State Periphery (C = A/(1-B))	1,684.48	1,716.30	1,749.08
Within State Generation (Co-Gen) (D)	-	-	-
Net energy required at State Periphery (E = C - D)	1,684.48	1,716.30	1,749.08

3.4.2 Power Purchase Quantum

Petitioner's submission

The Petitioner has submitted that the power required for control period would be met through following sources:

- i. Central Generating Stations (Hydro, Thermal, Nuclear, Gas)
- ii. Within State Generation (Net Metering/Gross Metering Solar Plants)
- iii. Traders/Open Market/Short Term

The Petitioner has made the following assumptions for projecting the quantum of power purchase for the 3rd MYT Control Period:

- **Allocation to the Petitioner:** Plant-wise share allocation from Central Generating Stations as per the latest NRPC Allocation Order No. 9347-74 Dt. 01.10.2021
- **Power purchase from new stations:** The Petitioner has not envisaged any purchase of new power for the 3rd MYT Control Period. The society 'Chandigarh Renewable Energy and Science & Technology Promotion Society'(CREST) which assists consumers within the state and intends to generate their own electricity and desire to contribute towards environmental protection has shared plans to reach 100 MW capacity by the end of FY 2024-25. Thus, increase within state solar generation is proposed. The Petitioner has further submitted another tie-up of Renewable energy outside the state to meet its RPO obligations during the control period through SECI's Wind power (Tranche VI) of 40 MW capacity which has started supplying power to the State from May 2021 and shall cater towards meeting the rising demand of the state as well as fulfilling the Non-Solar RPO.
- **Plant Load Factor (PLF):** The Petitioner has considered the actual PLF figures of FY 2020-21 for each plant and has considered the same for FY 2021-22 and for the projection of Power Purchase for the Control Period from FY 2022-23 to FY 2024-25.
- **Auxiliary consumption:** The Petitioner has considered the auxiliary consumption parameters as prescribed by the CERC Tariff Regulations 2019-24.
- **Inter-state transmission losses:** The Petitioner has considered inter-state transmission losses as follows:

Table 30: Inter-state transmission losses considered by the Petitioner for FY 2021-22 and the 3rd MYT Control Period

Particulars	Projections			
	Base Year FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
Inter-state transmission losses	4.03%	4.03%	4.03%	4.03%

Based on the above inputs and assumptions, the Petitioner has projected the availability of power from tie-up sources as given in the following table:

Table 31: Power purchase plan proposed by the Petitioner for the 3rd MYT Control Period

Sl. No.	Source	Capacity (MW)	Firm allocation to Licensee		Base Year Projections recorded by Licensee (MU)	Projections of Energy recorded by Licensee (MU)			
			%	MW		2021-22	2022-23	2023-24	2024-25
A	Central Sector Power Stations (Hydro)	11,010		243.11	1,374.74	1,374.74	1,374.74	1,374.74	
I	NTPC (Hydro)	808		10.73	50.98	50.98	50.98	50.98	
1	Koldam	800	1.33%	10.64	50.79	50.79	50.79	50.79	
2	Singrauli Hydro	8	1.16%	0.09	0.19	0.19	0.19	0.19	
II	NHPC	4,215		69.97	329.50	329.50	329.50	329.50	
3	Dhulsati	390	0.47%	1.83	40.83	40.83	40.83	40.83	
4	Parbati-III	520	1.76%	9.15	15.20	15.20	15.20	15.20	
5	Uri-II	240	2.27%	5.46	27.95	27.95	27.95	27.95	
6	Sewa-II	120	0.83%	1.00	14.36	14.36	14.36	14.36	
7	Chamera-III	231	1.76%	4.07	23.05	23.05	23.05	23.05	
8	Tanakpur	94	1.28%	1.20	5.57	5.57	5.57	5.57	
9	Dhauliganga Ganga	280	2.12%	5.94	29.74	29.74	29.74	29.74	
10	Chamera-I	540	3.90%	21.06	98.37	98.37	98.37	98.37	
11	Chamera-II	300	0.67%	2.01	31.32	31.32	31.32	31.32	
12	Uri	480	1.78%	8.54	19.70	19.70	19.70	19.70	
13	Salal	690	1.04%	7.18	9.89	9.89	9.89	9.89	
14	Kishan Ganga	330	0.77%	2.54	13.52	13.52	13.52	13.52	
III	THDC	1,400		47.44	178.89	178.89	178.89	178.89	
15	Tehri	1,000	4.60%	46.00	163.07	163.07	163.07	163.07	

Sl. No.	Source	Capacity (MW)	Firm allocation to Licensee		Base Year Projections recorded by Licensee (MU)	Projections of Energy recorded by Licensee (MU)			
			%	MW		2021-22	2022-23	2023-24	2024-25
16	<i>Koteswar</i>	400	0.36%	1.44	15.81	15.81	15.81	15.81	
IV	SJVNL	1,912		16.80	132.84	132.84	132.84	132.84	
17	<i>Rampur</i>	412	0.00%	-	19.60	19.60	19.60	19.60	
18	<i>Nathpa</i>	1,500	1.12%	16.80	113.24	113.24	113.24	113.24	
V	BBMB	2,675		98.16	682.54	682.54	682.54	682.54	
19	<i>Bhakhra</i>	1,325	3.67%	48.63	575.99	575.99	575.99	575.99	
20	<i>Dehar</i>	990	3.67%	36.33	87.81	87.81	87.81	87.81	
21	<i>Pong</i>	360	3.67%	13.20	18.73	18.73	18.73	18.73	
B	Central Sector Power Stations (Thermal/Gas/Nuclear)	15,742		172.26	542.20	542.20	542.20	542.20	
VI	APCPL Thermal	1,500		2.25	20.12	20.12	20.12	20.12	
22	<i>Jhajjar</i>	1,500	0.15%	2.25	20.12	20.12	20.12	20.12	
VII	NTPC (Thermal)	9,690		143.94	264.98	264.98	264.98	264.98	
23	<i>Dadri-II</i>	980	0.00%	-	3.31	3.31	3.31	3.31	
24	<i>Unchahar-I</i>	420	1.69%	7.10	13.97	13.97	13.97	13.97	
25	<i>Unchahar-II</i>	420	1.87%	7.85	17.88	17.88	17.88	17.88	
26	<i>Unchahar-III</i>	210	1.65%	3.47	8.94	8.94	8.94	8.94	
27	<i>Unchahar-IV</i>	500	0.84%	4.19	27.88	27.88	27.88	27.88	
28	<i>Kahelgaon-II</i>	1,500	1.36%	20.40	20.75	20.75	20.75	20.75	
29	<i>Singrauli</i>	2,000	3.18%	63.60	7.26	7.26	7.26	7.26	
30	<i>Rihand-III</i>	1,000	1.68%	16.75	44.01	44.01	44.01	44.01	
31	<i>Rihand-I</i>	1,000	1.00%	10.00	58.64	58.64	58.64	58.64	
32	<i>Rihand-II</i>	1,000	0.80%	8.00	51.30	51.30	51.30	51.30	
33	<i>Tanda-II</i>	660	0.39%	2.59	11.03	11.03	11.03	11.03	
VIII	MUNPL	1,320		3.04	24.15	24.15	24.15	24.15	
34	<i>Meja-I</i>	1,320	0.23%	3.04	24.15	24.15	24.15	24.15	
IX	NTPC (Gas)	1,912		15.02	37.22	37.22	37.22	37.22	
35	<i>Dadri G</i>	830	0.61%	5.06	26.25	26.25	26.25	26.25	
36	<i>Auriya G</i>	663	0.75%	4.97	7.51	7.51	7.51	7.51	
37	<i>Anta G</i>	419	1.19%	4.99	3.47	3.47	3.47	3.47	
X	NPCIL	1,320		8.01	195.73	195.73	195.73	195.73	
38	<i>RAPS 5 & 6</i>	440	0.68%	2.99	91.59	91.59	91.59	91.59	
39	<i>RAPS 3 & 4</i>	440	0.00%	-	18.32	18.32	18.32	18.32	
40	<i>NAPS</i>	440	1.14%	5.02	85.82	85.82	85.82	85.82	
C	RPO Obligation	87		21.42	128.34	130.26	131.69	133.12	
XI	SECI (Wind)	40		14.39	120.66	120.66	120.66	120.66	
41	<i>Tranche-VI</i>	40	35.98%	14.39	120.66	120.66	120.66	120.66	
XII	Intra-Solar	47		7.02	7.68	9.59	11.03	12.46	
42	<i>Crest, Pvt. Solar & Net Solar</i>	47	15.00%	7.02	7.68	9.59	11.03	12.46	
XII I	Solar Short Term GTAM/GDAM/REC								
XIV	Non- Solar Short Term GTAM/GDAM/REC								
D	Sub Total	26,839		436.78	2,045.29	2,047.20	2,048.63	2,050.07	
E	Short Tem Purchase/Sale				(337.99)	(230.39)	(182.00)	(131.55)	
	<i>Short- Term Power Sale</i>				(337.99)	(230.39)	(182.00)	(131.55)	
	<i>Short- Term Power Purchase</i>				-	-	-	-	

Sl. No.	Source	Capacity (MW)	Firm allocation to Licensee		Base Year Projections recorded by Licensee (MU)	Projections of Energy recorded by Licensee (MU)			
			%	MW		2021-22	2022-23	2023-24	2024-25
					-	-	-	-	-
F	UI				(69.94)	-	-	-	-
	UI Sales				(123.52)	-	-	-	-
	UI Purchase				53.58	-	-	-	-
G	Total	26,839		436.78	1,637.35	1,816.80	1,866.63	1,918.51	

Commission's Analysis:

The Commission has employed the following approach and assumptions to forecast the power purchase from tied-up sources for the 3rd MYT Control Period:

- **Allocation from CGS:** The Commission has considered firm allocation and allocation from the unallocated quota from the central generating stations based on the allocation obtained from Regional Energy Account of Northern Region prepared by NRPC vide Letter No. NRPC/Commercial/201/REA/2022/4160-4198 dated 03.06.2022. Further, for Kahalgaon Super Thermal Power Station (KhSTPS-II), the Commission has considered the Regional Energy Account of Eastern Region prepared by ERPC vide Letter No. ERPC/COM-I/REA/2022-23/298 dated 02.06.2022. The same share of allocation has been assumed for all the years of the 3rd MYT Control Period.
- **Plant Load Factor (PLF):**
 - **NTPC (Hydro), NHPC, THDC, SJVNL, NPCIL, MUNPL** - The Commission has perused the plant-wise PLF data submitted by the Petitioner and has considered the same for its projections except the following plants:
 - a) Chamera-II, Kishanganga** – The Commission has considered the PLF for latest year as submitted by the Petitioner.
 - b) Sewa-II & BBMB** - The Commission has considered average of PLF for FY 2019-20 and FY 2020-21 as submitted by the Petitioner.
 - **NTPC (Thermal), APCPL, NTPC (Gas)** - Average of PLF for previous three years or PLF for latest year obtained from NRPC and ERPC REA reports is considered by the Commission for its projections except the following plants:
 - a) Dadri (Gas)**- The Commission has considered the PLF for latest year as obtained from NRPC and ERPC REA reports.
- **Auxiliary consumption:** The Commission has considered the Auxiliary consumption based on normative auxiliary consumption allowed in Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for thermal power plants. However, for nuclear generation power plants, the auxiliary consumption has been assumed as 7.75%.
- **Inter-state transmission losses:** The Commission has considered the projections submitted by the Petitioner. The same is as follows:

Table 32: Inter-state transmission losses considered by the Petitioner for FY 2021-22 and the 3rd MYT Control Period

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Inter-state transmission losses	4.03%	4.03%	4.03%

- **Renewable Sources:** The Commission observes that the Petitioner has projected 120.66 MUs from SECI (Wind) for each year of the Control Period and 9.59 MUs, 11.03 MUs and 12.46 MUs from intra-state solar for the 3rd MYT Control Period. The power procurement from renewable sources under the Gross/Net metering mode within the UT periphery has therefore been projected as discussed in detail in the section on RPO.

The quantum of power procurement projected by the Commission for the 3rd MYT Control Period is given in the following table:

Table 33: Power purchase plan approved by the Commission for the upcoming MYT Control Period

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		PLF/CUF (in %)	Gross Generation (MU)	Aux consumption (%)	Net Ex-bus Power Purchase for CGSS (MU)	External Losses (%)			Power Purchase at State Periphery (MUs)		
			%	MW					2022-23	2023-24	2024-25	2022-23	2023-24	2024-25
A	Central Sector Power Stations (Hydro)	11,010.02		291.06		1,136.27		1,401.82	4.03%	4.03%	4.03%	1,345.33	1,345.33	1,345.33
I	NTPC (Hydro)	808.00		13.19		54.42		53.89				51.72	51.72	51.72
1	Koldam	800.00	1.63%	13.04	46.53%	53.15	1.00%	52.62	4.03%	4.03%	4.03%	50.50	50.50	50.50
2	Singrauli Hydro	8.00	1.82%	0.15	0.00%	1.28		1.28	4.03%	4.03%	4.03%	1.22	1.22	1.22
II	NHPC	4,215.00		84.94		366.86		362.47				347.87	347.87	347.87
3	Dhulsati	390.00	2.29%	8.93	64.44%	50.42	1.20%	49.81	4.03%	4.03%	4.03%	47.81	47.81	47.81
4	Parbati-III	520.00	2.42%	12.58	14.05%	15.49	1.20%	15.30	4.03%	4.03%	4.03%	14.69	14.69	14.69
5	Uri-II	240.00	2.45%	5.88	80.34%	41.42	1.20%	40.92	4.03%	4.03%	4.03%	39.27	39.27	39.27
6	Sewa-II	120.00	2.65%	3.18	48.62%	13.55	1.20%	13.38	4.03%	4.03%	4.03%	12.84	12.84	12.84
7	Chamera-III	231.00	2.42%	5.59	50.08%	24.52	1.20%	24.23	4.03%	4.03%	4.03%	23.25	23.25	23.25
8	Tanakpur	94.00	1.28%	1.20	63.54%	6.70	1.20%	6.62	4.03%	4.03%	4.03%	6.35	6.35	6.35
9	Dhauliganga Ganga	280.00	2.54%	7.11	50.11%	31.22	1.20%	30.85	4.03%	4.03%	4.03%	29.60	29.60	29.60
10	Chamera-I	540.00	3.90%	21.06	48.06%	88.66	1.20%	87.59	4.03%	4.03%	4.03%	84.06	84.06	84.06
11	Chamera-II	300.00	2.85%	8.55	50.75%	38.01	1.20%	37.56	4.03%	4.03%	4.03%	36.04	36.04	36.04
12	Uri	480.00	0.62%	2.98	74.65%	19.46	1.20%	19.23	4.03%	4.03%	4.03%	18.45	18.45	18.45
13	Salal	690.00	0.27%	1.86	61.27%	10.00	1.00%	9.90	4.03%	4.03%	4.03%	9.50	9.50	9.50
14	Kishan Ganga	330.00	1.82%	6.01	52.11%	27.42	1.20%	27.09	4.03%	4.03%	4.03%	26.00	26.00	26.00
III	THDC	1,400.00		64.24		196.10		193.79				185.98	185.98	185.98
15	Tehri	1,000.00	5.80%	58.00	34.90%	177.32	1.20%	175.19	4.03%	4.03%	4.03%	168.13	168.13	168.13
16	Koteshwar	400.00	1.56%	6.24	34.36%	18.78	1.00%	18.59	4.03%	4.03%	4.03%	17.85	17.85	17.85
IV	SJVNL	1,912.02		30.52		146.97		146.97				141.04	141.04	141.04
17	Rampur	412.02	1.11%	4.57	56.07%	22.46		22.46	4.03%	4.03%	4.03%	21.56	21.56	21.56
18	Nathpa Jhakri	1,500.00	1.73%	25.95	54.77%	124.50		124.50	4.03%	4.03%	4.03%	119.48	119.48	119.48
V	BBMB	2,675.00		98.17		371.92		371.92				618.72	618.72	618.72
19	Bhakhra	1,325.00	3.67%	48.63	47.80%	203.62		203.62	4.03%	4.03%	4.03%	523.12	523.12	523.12
20	Dehar	990.00	3.67%	36.33	36.20%	115.21		115.21	4.03%	4.03%	4.03%	80.97	80.97	80.97
21	Pong	360.00	3.67%	13.21	45.88%	53.10		53.10	4.03%	4.03%	4.03%	14.63	14.63	14.63
B	Central Sector Power Stations (Thermal/Gas/Nuclear)	15,742.00		169.02		784.41		730.67				701.22	701.22	701.22

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		PLF/CUF (in %)	Gross Generation (MU)	Aux consumption (%)	Net Ex-bus Power Purchase for CGSs (MU)	External Losses (%)			Power Purchase at State Periphery (MUs)		
			%	MW					2022-23	2023-24	2024-25	2022-23	2023-24	2024-25
VI	APCPL Thermal	1,500.00		13.80		44.69		42.12				40.43	40.43	40.43
22	Jhajjar	1,500.00	0.92%	13.80	36.97%	44.69	5.75%	42.12	4.03%	4.03%	4.03%	40.43	40.43	40.43
VII	NTPC (Thermal)	9,690.00		58.19		393.84		366.52				351.75	351.75	351.75
23	Dadri-II	980.00	0.25%	2.44	44.11%	9.43	5.75%	8.89	4.03%	4.03%	4.03%	8.53	8.53	8.53
24	Unchahar-I	420.00	0.57%	2.39	53.34%	11.19	9.00%	10.18	4.03%	4.03%	4.03%	9.77	9.77	9.77
25	Unchahar-II	420.00	0.98%	4.12	57.16%	20.61	9.00%	18.75	4.03%	4.03%	4.03%	18.00	18.00	18.00
26	Unchahar-III	210.00	0.75%	1.58	62.51%	8.62	9.00%	7.85	4.03%	4.03%	4.03%	7.53	7.53	7.53
27	Unchahar-IV	500.00	1.11%	5.54	62.42%	30.26	5.75%	28.52	4.03%	4.03%	4.03%	27.38	27.38	27.38
28	Kahalgaon-II	1,500.00	0.20%	3.00	76.25%	20.04	6.25%	18.79	4.03%	4.03%	4.03%	18.03	18.03	18.03
29	Singrauli	2,000.00	0.23%	4.60	84.18%	33.92	7.13%	31.50	4.03%	4.03%	4.03%	30.23	30.23	30.23
30	Rihand-III	1,000.00	0.82%	8.15	93.10%	66.47	6.25%	62.32	4.03%	4.03%	4.03%	59.80	59.80	59.80
31	Rihand-I	1,000.00	1.22%	12.20	86.10%	92.02	8.00%	84.66	4.03%	4.03%	4.03%	81.24	81.24	81.24
32	Rihand-II	1,000.00	1.04%	10.40	85.39%	77.79	6.25%	72.93	4.03%	4.03%	4.03%	69.99	69.99	69.99
33	Tanda-II	660.00	0.57%	3.78	70.91%	23.49	5.75%	22.14	4.03%	4.03%	4.03%	21.25	21.25	21.25
VIII	MUNPL	1,320.00		15.05		60.31		56.54				54.26	54.26	54.26
34	Meja-I	1,320.00	1.14%	15.05	45.75%	60.31	6.25%	56.54	4.03%	4.03%	4.03%	54.26	54.26	54.26
IX	NTPC (Gas)	1,912.00		50.33		40.90		39.77				38.17	38.17	38.17
35	Dadri G	830.00	2.50%	20.75	10.98%	19.96	2.75%	19.41	4.03%	4.03%	4.03%	18.63	18.63	18.63
36	Auriya G	663.00	2.56%	16.97	8.73%	12.98	2.75%	12.62	4.03%	4.03%	4.03%	12.11	12.11	12.11
37	Anta G	419.00	3.01%	12.61	7.20%	7.96	2.75%	7.74	4.03%	4.03%	4.03%	7.43	7.43	7.43
X	NPCIL	1,320.00		31.65		244.68		225.71				216.62	216.62	216.62
38	RAPS5 & 6	440.00	3.63%	15.97	87.70%	122.71	7.75%	113.20	4.03%	4.03%	4.03%	108.64	108.64	108.64
39	RAPS3 & 4	440.00	0.66%	2.92	87.70%	22.41	7.75%	20.68	4.03%	4.03%	4.03%	19.84	19.84	19.84
40	NAPS	440.00	2.90%	12.76	89.06%	99.55	7.75%	91.84	4.03%	4.03%	4.03%	88.14	88.14	88.14
C	RPO Obligation	86.83		21.42		-	-	-				130.26	131.69	133.12
XI	SECI (Wind)	40.00	100%	40.00	35.98%	125.73	-	-	4.03%	4.03%	4.03%	120.66	120.66	120.66
41	Tranche-VI	40.00	100%	40.00	35.98%	125.73	-	-	4.03%	4.03%	4.03%	120.66	120.66	120.66
XII	Intra-Solar	46.83	100%	46.83	15.00%	7.02	-	-				9.59	11.03	12.46

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		PLF/CUF (in %)	Gross Generation (MU)	Aux consumption (%)	Net Ex-bus Power Purchase for CGSs (MU)	External Losses (%)			Power Purchase at State Periphery (MUs)		
			%	MW					2022-23	2023-24	2024-25	2022-23	2023-24	2024-25
42	<i>Crest, Private Solar & Net Solar</i>	46.83	100%	46.83	15.00%	7.02		7.02				9.59	11.03	12.46
D	Sub Total	26,838.85		546.91	-	2,053.43	-	1,992.46	4.03%	4.03%	4.03%	2,176.80	2,178.24	2,179.67
E	IEX Purchase/(Sale)											(492.33)	(461.93)	(430.59)
F	Total	26,838.85		546.91		2,053.43		1,992.46				1,684.48	1,716.30	1,749.08

3.4.3 Energy Balance

Petitioner's submission

The energy balance proposed for FY 2021-22 and the 3rd MYT Control Period as estimated by the Petitioner is as given below:

Table 34: Energy Balance proposed by the Petitioner (MU)

Particulars	Energy Balance			
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
Energy sales within the State/UT	1,440.02	1,595.55	1,643.08	1,692.58
Distribution losses				
%	13.31%	13.06%	12.81%	12.56%
MU	221.15	239.74	241.47	243.19
Energy required at State Periphery	1,730.60	1,911.96	1,963.23	2,016.54

Commission's Analysis

Based on the energy sales, power procurement plan, Intra-state T&D losses and Inter-state transmission losses approved by the Commission in the preceding sections, the Energy Balance for the 3rd MYT Control Period has been shown in following table:

Table 35: Energy Balance approved by the Commission

Particulars	Energy Balance (MU)		
	FY 2022-23	FY 2023-24	FY 2024-25
Energy Required at State Periphery			
Energy sales within the State (A)	1,536.24	1,572.14	1,609.16
T&D Loss (%) (B)	8.80%	8.40%	8.00%
Energy required at State Periphery (C = A/(1-B))	1,684.48	1,716.30	1,749.08
Within State Generation (Co-Gen) (D)	-	-	-
Net energy required at State Periphery (E = C - D)	1,684.48	1,716.30	1,749.08
Energy Available at State Periphery			
Central Generating Stations including UI over/under drawl (F)	2,046.55	2,046.55	2,046.55
Renewable Power (G)	130.26	131.69	133.12
Energy available at State Periphery (H = F + G)	2,176.80	2,178.24	2,179.67
(Sale)/ Purchase in Open Market (I = E - H)	(492.33)	(461.93)	(430.59)
Net energy available at State Periphery (J = H + I)	1,684.48	1,716.30	1,749.08

3.4.4 Renewable Purchase Obligation and Hydro Purchase Obligation

Petitioner's Submission:

The Petitioner has submitted it envisages to meet its RPO obligation through purchase of physical renewable power and may even exceed the RPO obligations as cheap power is available in the market, in comparison to the conventional sources. Further, for the upcoming Control Period, since the Commission has not yet approved any trajectory, EWEDC has assumed a 1% increase in Solar and Non-Solar RPO every year and has accordingly considered the projections for RPO fulfilment. Further, after considering all the proposed tied-up renewable energy, EWEDC proposes to meet any shortfall to fulfil the RPO obligation, through purchase from short term (Traders) through DEEP portal and GTAM and therefore does not plan to buy any REC during the upcoming MYT Control Period. Accordingly, the Petitioner has submitted its RPO plan for FY 2021-22 and the upcoming Control Period as follows:

Table 36: RPO plan submitted by the Petitioner for the 3rd MYT Control Period

Sl. No.	Description	Unit	Revised Projections	Projections		
			FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Sales Within State	MUs	1,440.02	1,595.55	1,643.08	1,692.58
2	RPO Obligation	%				
	- Solar	%	8.00%	9.00%	10.00%	11.00%
	- Non Solar	%	9.00%	10.00%	11.00%	12.00%
3	RPO Obligation	MUs				
	- Solar	MUs	23.71	40.37	49.28	59.29
	- Non Solar	MUs	26.67	44.86	54.21	64.68
4	Power Purchase	MUs				
	- Solar	MUs	7.68	9.59	11.03	12.46
	- Non Solar	MUs	120.66	120.66	120.66	120.66

Commission's analysis:

The Commission has approved the Renewable Purchase Obligation (RPO) and Hydro Purchase Obligation (HPO) for the 3rd Control Period considering the JERC (Procurement of Renewable Energy), (Fourth Amendment) Regulations, 2022 notified on 24th March 2022 wherein the revised RPO targets and the HPO targets for the 3rd Control Period were approved and are as follows:

Year	Minimum quantum of Renewable purchase obligation (RPO) of renewable energy (in kWh)				Total RPO
	Solar RPO	Non-Solar RPO			
		HPO	Other Non-Solar	Total Non-Solar	
FY 2022-23	9.00%	0.35%	9.00%	9.35%	18.35%
FY 2023-24	10.00%	0.66%	9.25%	9.91%	19.91%
FY 2024-25	11.00%	1.08%	9.50%	10.58%	21.58%
FY 2025-26	12.00%	1.48%	9.75%	11.23%	23.23%
FY 2025-26	13.00%	1.80%	10.20%	12.00%	25.00%

The Petitioner has submitted that Table No. 1 for Quantum of Renewable Purchase Obligation (RPO) of JERC's Procurement of Renewable Energy (Third Amendment) Regulations, 2016 dated 22nd August, 2016 specifies that the RPO Target shall be computed excluding hydro power and the same was being followed by the Commission in its previous tariff orders of EWEDC.

Subsequently, Ministry of Power vide its Order No. 23/03/2016-R&R dated 29th January, 2021 with regards to Hydro Power Obligation (HPO) and RPO stated as follows:

“... ”

4. On 8th March 2019, the Government had issued an order detailing various measures to promote hydropower sector in India inter-alia declaring large hydropower projects including pumped storage projects having capacity of more than 25 MW (LHPs) which come into commercial operation after 8.3.2019 as renewable energy source and to specify Hydro Power Purchase Obligation (HPO) within Non-Solar Renewable Purchase Obligations (RPO).

....

7. RPO shall be calculated in energy terms as a percentage of total consumption of electricity excluding consumption met from hydro sources (LHPs).”

Accordingly, the Commission notified the JERC (Procurement of Renewable Energy), (Fourth Amendment) Regulations, 2022 as follows:

“(3.2) RPO to be calculated in energy terms as a percentage of total consumption of electricity excluding consumption met from hydro sources (LHPs).”

Wherein the definition of Hydro Purchase Obligation and Large Hydro Projects as given by the Commission in JERC (Procurement of Renewable Energy), (Fourth Amendment) Regulations, 2022 is as follows:

“2...

“(j) *Hydro Purchase Obligation (HPO)*” means obligation to procure power from large hydropower projects commissioned on and after 08.03.2019 and upto 31.03.2030

....

(m) *Large Hydro Projects (LHP)* means hydel power station including pumped storage project with an installed capacity above 25 MW, which came into commercial operation after 08.03.2019 and upto 31.03.2030.”

The Petitioner has further submitted that conjoint reading of JERC's Procurement of Renewable Energy (Fourth Amendment) Regulations, 2022 (Definition of LHP - Reg 2(m)) dated 24th March, 2022 along with JERC's Procurement of Renewable Energy (Third Amendment) Regulations, 2016 dated 22nd August, 2016 creates confusion with regard to methodology towards exclusion of Hydro Power while calculating RPO Targets. The above interpretation results in exclusion of all LHPs from which EWEDC presently procures hydro power, as it has no arrangement with any hydel power station including pumped storage project with an installed capacity above 25 MW, which came into commercial operation after 08.03.2019. The Petitioner has further submitted that the above definition as per MoP's order is for the limited purpose for calculation for HPO and not for excluding hydro power while computing RPO. Majority of power procured by EWEDC is from large hydro plants and exclusion of all of them shall substantially increase the RPO obligations and unnecessarily burden the consumers.

The Petitioner has requested the Commission to continue with the earlier practice of calculating RPO i.e. total consumption of electricity excluding the consumption met from LHPs wherein LHPs means the total consumption from all Large Hydro Projects above 25 MW regardless of COD of the respective plants. The Petitioner has further submitted that it will not be appropriate to enter into fresh PPAs with the hydro projects with installed capacity of 25 MW or above with COD after 08.03.2019 and will unnecessarily burden the consumers by way of increase in tariff.

The Commission has considered the Petitioner's submission. The Commission intended to use the definition of LHPs as given in JERC (Procurement of Renewable Energy), (Fourth Amendment) Regulations, 2022 only for HPO computation. Further, the Commission clarifies that RPO shall be calculated after excluding the consumption met from Large Hydro Projects above 25 MW.

The cumulative backlog of solar and non-solar compliance up to FY 2020-21 has been considered as per the Commission's Order on the Suo Moto Petition No. 61/2012 dated 5th July 2021. The solar and non-solar compliance for FY 2021-22 is considered as per the RPO compliance approved in the APR of the Tariff Order. Accordingly, the RPO and HPO approved by the Commission for the 3rd MYT Control Period is as follows:

Table 37: Renewable Purchase Obligation (RPO) approved by the Commission for 3rd Control Period

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Sales within State (MU) (A)	1536.24	1572.14	1609.16
Hydro Power available at Generator Periphery (MU) (B)	1,127.77	1,127.77	1,127.77
Transmission Loss (%) (C)	4.03%	4.03%	4.03%
Transmission Loss (MU) (D= B*C)	45.45	45.45	45.45
T&D Loss (%) (E)	8.80%	8.40%	8.00%
T&D Loss (MU) [F = E * (B-D)]	95.24	90.91	86.59
Hydro Power Consumed (G = B - D - F)	987.07	991.40	995.73
Conventional Power Consumed (H = B - G)	549.17	580.73	613.42
RPO obligation (%)	18.00%	19.25%	20.50%

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Solar (H)	9.00%	10.00%	11.00%
Non-Solar (I)	9.00%	9.25%	9.50%
RPO obligation for the year (MU)	98.85	111.79	125.75
Solar (G * H)	49.43	58.07	67.48
Non-Solar (G * I)	49.43	53.72	58.28
RPO Compliance from Physical Power (MU)	131.37	132.81	134.25
Solar	9.59	11.03	12.46
Non-Solar	121.78	121.78	121.79
Standalone RPO Compliance Backlog (MU)	39.83	47.05	55.01
Solar	39.83	47.05	55.01
Non-Solar	-	-	-
Cumulative RPO Compliance Backlog (MU)	63.25	110.30	165.31
Solar	63.25	110.30	165.31
Non-Solar	-	-	-

Table 38: Hydro Purchase Obligation (HPO) approved by the Commission for 3rd Control Period

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
Sales within State (MU) (A)	1536.24	1572.14	1609.16
HPO obligation (%)	0.35%	0.66%	1.08%
HPO obligation for the year (MU)	5.38	10.38	17.38

The Commission observes that all the Hydro Power procured by EWEDC is from large hydropower projects commissioned before 08.03.2019 and the Petitioner needs to plan accordingly.

3.5 Capital Investment Plan

3.5.1 Details of capital expenditure and capitalisation

Petitioner's submission

Capital expenditure for Spillover Schemes

The Petitioner has proposed various ongoing and new schemes for the 3rd MYT Control Period. The details of capital expenditure proposed for spillover schemes by the Petitioner for the 3rd MYT Control Period is as given in the following table:

Table 39: Details of projected capital expenditure proposed by the Petitioner for Spillover Schemes for the 3rd MYT Control Period

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
	33 kV and Above			
	Division 2			
1	Appointment of Project Management agency for Turnkey execution including Supply Erection commission project Management. Design, engineering, inspection for Smart Grid Project under Electricity Sub-Division No. 5 Chandigarh. (IBM No. G1/2016/15114).	3.50	0.05	-
	Division 4			

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
1	Providing Double Circuit 66 kV U/G Transmission Line by laying Single Core 1000 Sq.mm XLPE Cable from existing 66 kV Tower near Govt. School (New), Sector-12 to the 66 kV Grid Sub-station, Sarangpur (New), Chandigarh along with Construction of 2 Nos. Line associated Bays at 66/11 kV Grid Sub-station, Village - Sarangpur, Chandigarh.	4.37	-	-
2	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, Industrial 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	-	-
3	Providing 2x20 MVA, 66/11 kV Grid Sub/Station at Raipur Kalan, UT, Chandigarh	0.20	-	-
4	Up-gradation of Transformation capacity at 66/11 kV Sub-station 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 Sub-station at Civil Secretariat Sec- 1 & Sec- 12, Chandigarh.	0.50	-	-
Total (33 kV and Above)		9.38	0.05	-
11 kV and Below				
Division 1				
1	RCE for providing 11kV independent u/g feeder from forthcoming 66 kV sector 34 i/d Sub-station. Sector 24-c to providing Uninterrupted power supply to judges houses of sector 24 & to residents of sector 23, chandigarh (IBM scheme no. W1/2019/18065)	0.47	-	-
2	DNIT for providing 03 nos. 315 kVA p/m Substation. Near #1424, #1181 & #1580, sec 23b, to give relief to the LT o/g to #1482, #1524, #1213 #270, #1560 & #1555, sec 23b & deload 02 nos. I/d T/F 1000 kVA & 8000 kVA at 11 kV i/d Sub-station Sec 23b, chandigarh Under electricity(op) s/division, no.1, chandigarh (t.no. Op1/65/2018-19)	0.05	-	-
3	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 old system (IBM No. W1/2019/18098)	0.01	-	-
4	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 Electricity OP Subdivision No. 2, Chandigarh	3.25	-	-
5	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)	1.24	-	-
Division 2				
1	GSC OP subdivision No.5	0.12	-	-
2	GSC OP subdivision No.8	0.11	-	-
3	Providing 100 kVA P/M T/F for M-23 T/Well near Village Kishangarh for deloading existing 200 kVA (Near Mangat Farm) under the jurisdiction of Electricity OP Subdivision No.8 Manimajra Chandigarh (IBM No. 2018/17000)	0.02	-	-
4	Providing for de-loading the existing 1x300kVA T/F and 1x200 kVA T/F near Police Post Mouli Complex, Mani Majra by providing 315 kVA additional T/F near T/Well No.2 in Mouli Complex and providing additional 315 kVA T/F near H. No. 3024, Mouli Complex for de-loading the existing 300 kVA T/F near H. No. 3240, Mouli Complex, Mani Majra under Electricity OP Subdivision No.-8, M.Majra, U.T. Chandigarh. (IBM No. 2021/19616)	0.07	-	-
5	Deloading the existing 2x315 kVA T/F in front of H. No. 943 & 1492 Vikas Nagar for deloading the existing 500 kVA & 315 kVA P/M T/F's in front of House No. 348 & 385 in Vikas Nagar under Electricity OP Subdivision No.8 M.M. Chandigarh, UT (IBM No. 2021/19402)	0.14	-	-
6	Providing additional 3 Nos. 315 kVA T/F and replacement of existing old outlived ACSR 103 sq.mm. in Sector 29 improvement of LD System under Electricity OP Subdivision No.5(IBM No. 2020/18981)	0.25	-	-
7	Providing additional 4x315 kVA T/F at various sites along with replacement and augmentation of existing outlived conductor of LT Lines in V-Daria for improvement of LD System under jurisdiction of Electricity OP Sub Division No.5 Chandigarh (IBM No. 2020/19140)	0.34	-	-
8	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	0.18	-	-

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
	improvement of LD system in Ram Darbar Ph-I & Ph-II under the jurisdiction of Elect. 'OP' Subdivision No. 5, UT Chandigarh. (IBM No. W1/2020/19110)			
9	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 Electricity 'OP' Subdivision No. 5, UT Chandigarh. (IBM No. W1/2020/19238)	0.27	-	-
10	Providing additional 3x315 kVA 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 Electricity 'OP' Subdivision No.5 UT Chandigarh. (IBM No. W1/2020/18637)	0.03	0.09	-
11	Replacement of full wave controlled battery charger with Battery Bank of DC DB at 66 kV and Substation Manimajra electyop Sub Division No. 8 MM Chandigarh(IBM No. 2018/16390)	0.75	-	-
12	Replacement of existing 220 V battery Bank at 66 kV Grid Sub Station IT Park, Manimajra UT Chandigarh (IBM NO. W1/18/16583)	0.00	-	-
13	Augmentation of existing 11kV 3x185 sq.mm. XLPE cable of Rural Feeder with 11 kV XLPE 3x300 sq.mm. Cable from 66kV Mani Majra to near Masjid and replacement of existing 11 kV O/H line conductor of Rural Feeder with new 103 sq.mm. conductor from Masjid to Govt T/well near Railway Line P.W.T. for improvement of LD/HT system under Electricity OP. Subdivision No.8, Mani Majra, Chandigarh. (IBM No. 2021/19370)	0.30	-	-
14	Providing additional 2x315 kVA P/M T/F and replacement of existing old/outlived/burnt ACSR with ACSR 103 mm.sq in Village Hallomajra for improvement of LD system under Electricity 'OP' Subdivision No.5, Industrial Area, Ph-I UT Chandigarh. Tender No. OP2/13/2019-20 (IBM No. 2018/17002)	0.05	-	-
15	Providing additional 315 kVA P/M T/F and replacement of existing old/outlived/burnt ACSR with ACSR 103 sq.mm. in Village Behlana for improvement of LD system under Electricity 'OP' Subdivision No.5, Industrial Area, Ph-I UT Chandigarh. Tender No. OP2/12/2019-20 (IBM No. 2018/16897)	0.04	-	-
16	DRG-733 DNIT for providing 100 kVA P/M T/F to release SOP connection to newly build Tube well at Village Raipur Khurd (near STP Gate) under the Electricity. 'OP' Subdivision No.5, I/A, U.T., Chandigarh. (W1/18/17003)	-	0.02	-
17	Replacement of existing old/outlived/burnt ACSR with ACSR 103 sq.mm. in Ram Darbar, Phase-I & II for improvement of LD System under electricity 'op' S/ Division No-5, Industrial Area, Ph-I, U.T. Chandigarh (IBM No. W1/2020/19162)	0.25	-	-
18	DRG-27 - Replacement of old and outlived Main and Sub main Service Wire in Sector 29 B, Chandigarh for improvement of LD system under Electricity. OP Sub Division No. 5, UT Chandigarh. (IBM No. -2021/20163)	0.52	-	-
19	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 Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh. (DRG No. 618) (IBM No. 2021/19742)	0.61	-	-
20	11kV O/H line of New Town feeder part of village Kishangarh and Bhagwanpura with U/G 11XLPE 3Cx300 sq.mm. Cable for improvement of LT/HT System, Under Electricity OP Subdivision No.8, UT Chandigarh (DRG- 683) (IBM No.2021/19773)	0.46	-	-
21	Providing additional 11kV U/G Cable with 3CX300 sq.mm. 11kV XLPE Cable for the village Kishangarh and Bhagwanpura form 66kV Grid Sub-station IT Park, under jurisdiction of Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh. (IBM No. 2017/17005)	-	0.26	-
22	Conversion of a part of Rural feeder into underground feeder for Ayush Hospital and Educational Institution, Mani Majra. (IBM No. 2021/19350)	0.12	-	-
	Division 3			
1	Providing 3x315 kVA P/M station Near # 2401,2736 and 2780, Sector 37-C to give relief to the existing 1x200 and 1x300 kVA P/M T/Fs and 2x1000 kVA I/D T/Fs in 11 kV I/D Substation, Sector 37-C, Chandigarh. (W1/2015/13818)	0.01	-	-
2	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 Electricity 'OP' subdivision No.3, Sector 18, Chandigarh. (IBM No. W1/2016/14865)	0.30	-	-
3	Rough Cost Estimate for providing 3x315 kVA P/M T/Fs near house no. 257 backside Sector 37 A, House No. 1411 Sector 37 B and near booth no. 115, Sector	0.15	0.07	-

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
	37C for improvement of LD System under the control of Electricity OP Subdivision No. 7, Sector 35 B Chandigarh.			
4	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 subdivision No.7, Chandigarh. W1/2019/17745	0.20	0.78	-
5	Providing 11 kV U/G independent feeder from 66 kV grid substation Sector 34 to 11 kV I/D Substation., 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 Subdivision No.7, Sector 35, Chandigarh.	0.30	-	-
6	Up gradation of 11 kV indoor Substation by replacement and augmentation of existing old outlived and defective 11 kV and LT OCBS and T/Fs in indoor Sub-station in Sector 27 B, 27-C and 27-D under Electricity OP subdivision No.3, Chandigarh. W1/2019/17749	-	1.00	0.76
7	RCE for providing 11 kV independent underground feeder from 66 kV G/Substation., Sector 34 to 11 kV indoor Sub-station Sector 34 A, Chandigarh. W1/2019/17807	0.27	-	-
8	RCE for replacement & augmentation of existing old, outlived and defective 11kV & LT OCBS of 11kV & LT OCBS of 11kV I/D Sub-station Sec.21C & 21A under Electricity OP subdivision No.3, Sec.18A, Chandigarh.	0.20	0.60	0.34
9	RCE for up gradation of 11kV I/D Sub-station by replacement & augmentation of existing old, outlived and defective 11kV & LT OCBSs and transformers in I/D Sub-station Sec.19A, 19B, 19C & 19D under Electricity OP subdivision No.3, Sec.18A, Chandigarh.	0.20	0.51	0.80
10	RCE for providing 11kV independent U/G feeder from 66kV G/Substation, Sec-34 to 11kV I/D Substation, Sec-33A, Chd	0.22	-	-
11	Replacement of existing 11 kV O/H line of U/G bajwara, O/H Bajwara feeder & southern-II feeder with 11 kV 3x300 sq.mm. U/G cable in Sec.28, Chandigarh and augmentation of existing 11 kV 3x185mm 2 XLPE U/G cable with 11 kV 3x300 sq.mm. XLPE cable of 11 kV BBMB feeder from 66 kV BBMB I/A Ph-1 upto I/D substation Sec.28-B, Chandigarh For improvement of LD system under Electricity OP subdivision No.3, Chandigarh	0.70	0.30	-
12	RCE for providing 11 kV independent underground feeder to 11 kV I/D Substation, Sec-19A & 19C, Chandigarh from 66kV G/Substation, Sec-34 for improvement of LD System under Electricity 'OP' Subdivision No.3, Chandigarh (IBM Scheme No. W1/2020/19017)	1.44	-	-
13	RCE for replacement and augmentation of existing 11 kV U/G 3x150 sq.mm. XLPE cable of 11 kV 21C feeder from 33 kV G/Substation, Sec-34 with underground 3x300 sq.mm. XLPE cable for improvement of LD System under Electricity 'OP' Subdivision No. 3, Chandigarh	0.35	-	-
	Division 4			
1	RCE for Purchase of Spare 315 kVA DT (3Nos.) T/F and 1000 kVA DT (1No.) T/F under Electricity (OP) subdivision No. 9, Chandigarh	-	0.10	-
2	Providing individual electricity connections to the residents of outside Lal Dora of Adharsh colony, Sector 54, Chandigarh.	0.13	-	-
3	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 Electricity (OP) subdivision No. 10, Sec-40B, Chandigarh	0.08	-	-
4	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 Electricity (OP) subdivision no. 10, Sector-40B Chandigarh.	0.17	-	-
5	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 Electricity 'OP' Subdivision No.10, Sector-40B, Chandigarh.	0.09	-	-
	Total (11 kV and Below)	14.47	3.74	1.90
	Total Spillover Schemes	23.85	3.79	1.90

Capital expenditure for New Schemes

The Petitioner has submitted that it has segregated the classification of new schemes/projects based on the 33kV and above and 11kV and below.

The Petitioner has submitted the following capital expenditure for new schemes:

Table 40: Details of projected capital expenditure proposed by the Petitioner for new schemes (Rs. Cr.)

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	33 kV and Above			
	Division 4			
1	Replacement /augmentation of 3 no. Damaged 66/11kV, 10/12.5 kVA Power Transformer with 20 MVA Power Transformer at 66kV G/Sub-stationSec-1, BBMB & I/A-Ph-II, Chandigarh.	2.00	2.00	-
2	Providing 66kV transmission line to upcoming 66kV Grid/Sub/Station Alongwith associated 66kV line bays at Raipur Kalan, UT, Chandigarh.	-	8.00	5.00
3	Conversion of 66kV Single circuit to D/C T/L and U/G cable from 220 kVA GSS Kishangarh to 66kV Sub-stationSec-12 UT Chandigarh to D/C T/L	2.00	5.00	5.00
	Total (33 kV and above)	4.00	15.00	10.00
	11kV and below			
	Division 1			
1	GSC subdivision No.1	0.32	0.36	0.37
2	GSC, electricity Sub division No.2	0.35	0.36	0.37
3	GSC sub division No.4	0.42	0.36	0.37
4	Strengthen the Distribution System after Replacement & Augmentation of 11kV U/G PILC 3x185/120/70 sq.mm link or feeder cable with 3x300 sq.mm XLPE cable in Sector-9 & 10 under Electricity OP Subdivision. No.2, UT, Chandigarh. (No.11013-14 dated 7.6.16) W1/2016/14189	0.30	-	-
5	Supply, delivering testing and commissioning of full wave battery charger alongwith battery bank at DC DB at 66 kV Grid Sub-station Sector 52, Chandigarh (A & A No. 14917 dated 18.08.17)	0.08	-	-
6	Supply, Delivery, Testing, Installation and Commissioning of 220 V, 100 AH VRLA Battery along with 220 V, 50 A Full Wave FCBC to replace the existing Battery Bank and Battery Charger installed at 66 kV Grid Substation, Sec 39, Chandigarh	-	0.06	-
7	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 Electricity 'OP' Sub/Division. No.1, Sec. 23D, Chandigarh.	-	0.25	-
8	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 Substation in Sec 7A, 7B & 7C Chandigarh, for modernization of Sub Station	-	1.50	-
9	Providing LT ACB as well as LT Shunt Capacitor on 315/300 kVA P/M T/F under the jurisdiction of Electricity 'OP' Subdivision. No. 4, Chandigarh (A & A No. 14140 dt. 16.08.19)	0.30	-	-
10	Replacement & augmentation of 11 kV U/G PILC 3x95/120 sq. mm Governor house feeder cable and its concerned 2x120 sq. mm PILC link cables with 3x300 sq. Mm XLPE cable under Electricity OP subdivision. No. 2, UT, Chandigarh. (A&A No. 14900 dated 29.08.19)	0.70	-	-
11	Providing 3x300 sq. mm XLPE cable from 66 kV G/Sub-station New Sarangpur to Rural feeder for deloading & 66 kV Grid Sub-station Sector - 12, Chandigarh. (A&A No. 9544 dated 12.06.2019)	0.05	-	-
12	Replacement of 11 kV O/H bare conductor with 11 kV 3X300 Sq. mm XLPE cable/ Aerial Bunched Cable along with improvement and augmentation of LD System in village Kaimbwala, under Electricity 'OP' Subdivision. No. 2, Chandigarh (A & A No. 8046 dt. 08.05.18)	0.20	0.50	-
13	Replacement & rerouting of 11 kV O/H 15D feeder with 3x300 sq.mm. XLPE U/G cable for improvement of LD system under	0.20	0.40	-

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	the jurisdiction of Subdivision- 4, Sec-15, Chandigarh. (IBM No. 2020/18618)			
14	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	2.00	-
15	Providing LT ACB as well as LT Shunt Capacitor on existing 300/315 kVA Pole mounting T/F under the area of jurisdictions of Subdivision. No. 2. (A & A No. 1526 dated 29.01.2020)	0.30	0.40	-
16	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 Sub-station Sector 22-A and shifting of 320 Nos. Single phase meter outside from consumer premises 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	0.35	-
17	Providing New 11 kV feeder from 66 kV Sec-39/ upgrading 33 kV Sec-34 to I/D Sub-stationSec-22C to cater the load of over loading Aroma feeder under the jurisdiction of Electricity 'OP' Sub/Division. No.1, Sec. 23D, Chandigarh.	-	0.45	-
18	Strengthening of distribution system with replacement of existing old / over-heated and defective HT OCBS with new HT VCBS of 11 kV I/D, Sub-station Sector 23-B, Sector 23-C and 23-D, Chandigarh	0.20	0.35	-
19	Strengthening of distribution system with replacement of existing old / over- heated and defective HT OCBS with new HT VCBS of 11 kV I/D, Sub-station 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	0.75
20	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 Electricity 'OP' Subdivision. No. 2, Chandigarh.	-	0.30	-
21	Conversion of 11 kV O/H CPWD Feeder into 11 kV U/G cable of size 300 mm sq. XLPE to reduce the tripping / breakdowns bare minimum under the jurisdiction Electricity 'OP' Subdivision. No. 2, Chandigarh (U.T.)	-	0.20	-
22	Supply of One No. Sky Lift fitted on LCV for the maintenance of Power system of area under complaint center, DPH, Sec-26, under Electricity 'OP' Subdivision No. 2, Chandigarh	-	0.13	-
23	Providing 5x315 kVA P/M S/Station near # 10&382 & 328.Sector 7A and # 1775, 1628, Sector 7 C for improvement of LD system under AEE, Electricity OP Subdivision.No.2, Chandigarh	-	0.20	0.20
24	Providing 11kV independent underground feeder from 66kV Grid S/Station, I.T Park to 11 kV I/D S/S/Station, Sector-7A, Chandigarh for improvement of L.D system under Sub-Division No 2, Sector 10, Chandigarh.	-	0.65	0.70
25	Providing 11kV independent underground feeder to newly constructed U.T Sectt. Building, Plot No. 7, Sector-9 D from 66kV Grid S/Station, Sector-1 Chandigarh.	0.75	-	-
26	Purchase of Bolero makes official car / vehicle conforming to Bs-VI specifications for field staff AEES/SDOS under the jurisdiction of Electricity 'OP' Division. No. 1, Chandigarh	-	0.30	-
27	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 Electricity. 'OP' Subdivision. No.2, Chandigarh	1.00	1.00	-
28	Providing of RMU and CSS in Parade Ground Sec-17 & providing second 11 kV source from Haryana Secretariat feeder.	-	0.25	-

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
29	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	-
30	Supply of 1 no. Sky Lift fitted on LCV for maintenance of Power System at Complaint Centre, Sector-17, under Electricity OP Subdivision. No. 4, Sector-15, Chandigarh.	0.23	-	-
31	Replacement / augmentation of 11 kV O/H line of 11 kV PEC feeder with 3 x 300 sq.mm. U/G cable for improvement of LD system under the jurisdiction of Subdivision- 4, Sec-15, Chandigarh.	-	0.30	0.45
32	Replacement of LT OCB with LT ACB in Sec-12, Chandigarh.	-	0.25	0.25
33	Replacement of LT OCB with LT ACB in Sec-14, Chandigarh.	-	0.25	0.25
34	Special repair of 6 MVA, 33/11 kV transformer lying at 33 kV Sub Station, Sector-18, Chandigarh.	-	0.20	-
35	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	0.30
36	Providing 2 Nos. U/G 11 kV feeder from New 66 kV G/Sub-station 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	0.85
37	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	-
38	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/Station Sec 16 B to P/M T/F, H. No. 514, Sec 16 C under the jurisdiction of Electricity 'OP' Sub/Division. No.4, Sec. 15C, Chandigarh.	-	-	0.10
39	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/Station Law College P.U. Sec. 14 to O/H line on Pharmacy Feeder & on Pharmacy feeder Near Swimming Pool Sub-station P.U. & I/D Sub-station Admin Block to P/M T/F Near Gate No. 2 P.U. Sec 14. Under the jurisdiction of Electricity 'OP' Sub/Division. No.4, Sec. 15C, Chandigarh.	-	-	0.15
40	Providing 315 kVA T/F near CRPF Barrier village Sarangpur for improvement of LD system under the jurisdiction of Subdivision- 4, Sec-15, Chandigarh.	-	-	0.15
41	Replacement of outlived Pilca Cable and augmentation of 3x150 sq.mm. Cable with 3 x 300 sq.mm. in Sec-14 & 15, Chandigarh.	-	-	0.25
42	Providing 11 kV link between GMSH Sec-16 to 11 kV I/D Substation. Sec-16/B, Chandigarh.	-	-	0.16
43	Replacement of 11 kV OCB with 11 kV VCB at 33 kV G/Sub-station Sec-17, Chandigarh.	-	-	0.65
44	Replacement & Aug. Of 11 kV Cable portion having No. Of joints.	-	-	0.25
45	From Tripole Sec-14 to I/D Sub-station Sec-15/D, Chandigarh.	-	-	0.06
46	Replacement of old and outlived Main and Sub Main Service wires in village- Dhanas and Milk Colony, Dhanas.	-	-	0.15
47	Providing 11 kV Link between I/D Sub-station Sec-15/A to I/D Sub-station Sec-15/B with 3 x300 sq.mm. XLPE Cable.	-	-	0.12
48	Providing 1 x 315 kVA P/M T/F near Govt. T/well	-	-	0.06
49	Providing 2 x 315 kVA T/F near # 2277 Ambedkar Colony and near Public Toilet Village Dhanas.	-	-	0.12
50	Replacement of 11 kV OCB with 11 kV VCB in Sec-12 & Sec-14, Chandigarh.	-	0.60	0.70
51	Replacement of Main Submain Service wire in LIC Flats in Sec-15/D, Chandigarh.	-	0.10	-
52	Strengthening the Indoor Sub-station Sector 17, Chandigarh by replacing the existing LT OCB/ACB with LT ACB's Chandigarh.	-	0.20	0.15

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
53	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/Station 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 Electricity 'OP' Sub/Division. No.4, Sec. 15C, Chandigarh.	-	0.14	-
	Division 2			
1	Supply, Installation, Testing, & Commissioning of CCTV cameras at Sub-Divisional office, Complaint centre & 66kV Grid Substation., under Electricity OP Subdivision No.8, Manimajra, UT, Chandigarh.	-	0.20	-
2	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	-
3	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 Electricity, op subdivision no 5 Chandigarh.	-	0.48	0.20
4	Providing new 11kV U/G feeder for strengthening 11kV supply system in sector-48 Chandigarh under jurisdiction of Electricity OP Subdivision No 5 UT Chandigarh.	-	0.17	0.20
5	Replacement of 11 kV U/G XLPE cable 3x185 sq.mm. of Ram darbar1 feeder with 11kV U/G 3x300 sq.mm. XLPE cable from 66 kV grid sub-station industrial area Ph. 1 Chandigarh for improvement of power supply in the area under Electricity, OP subdivision no 5 Chandigarh	-	0.12	0.08
6	Replacement of 11 kV U/G XLPE cable 3x185 sq.mm. of Ram darbar2 feeder with 11kV U/G 3x300 sq.mm. XLPE cable from 66 kV grid sub-station Ind area Ph. 1 Chandigarh for improvement of power supply in the area under Electricity, OP Sub Division no 5 Chandigarh	-	0.15	0.07
7	Replacement of existing old outlived 80Sqmm ACSR Conductor with 103Sqmm ACSR Conductor & Main and Sub-Main Service wires/Cables in Vikas Nagar, Under Electricity. 'OP' Subdivision No.8, Mani Majra, U.T Chandigarh	-	0.63	-
8	RCE for augmentation of existing 11kV XLPE 3x185 sq.mm./150 sq.mm. cable with 11kV XLPE 3x300 sq.mm. cable of 11kV IT Park feeder emanating from 66kV G/Sub-station IT Park, Mani Majra, Chandigarh (DRG-590) (IBM SCHEME No. W1/18/16430)	-	0.02	-
9	Augmentation for existing 11kV 3x185 sq.mm. cable with 11kV XLPE 3x300 sq.mm. cable of 11 kV Mouli complex feeder and 11kV Mouli feeder emanating from 66kV G/Sub-station Mani Majra under jurisdiction of Electricity OP Subdivision no.-8, UT, Chandigarh (DRG-589) (IBM Scheme No.- W1/18/16404)	-	0.05	-
10	Providing 2X315kVA P/M T/F near H. No. 5395 & H. No. 5371 MHC Mani Majra for deloading the existing 2x200 P/M T/F near # 5313 and #5408 and augmentation existing LT 3.5cx185 sq.mm. cable with LT 3.5x400 sq.mm. cable in MHC Mani Majra to improve the LD system under the jurisdiction of Electricity Op Subdivision no.-8, UT, Chandigarh (DRG-582)	-	0.20	-
11	Augmentation of existing 5x200 kVA P/M T/F with 5x315 kVA P/M T/F and deloading the existing 300/200 kVAR/M T/Fs by providing 5X200 kVA T/Fs t at various sites of MHC, shastri and MHC feeder for the improvement of HT/LT System jurisdiction of Electricity OP Subdivision No.8, Mani Majra, UT Chandigarh (DRG-662)	-	0.34	-
12	Shifting of 11 kV O/H Shastri feeder & 100 kVA P/M Sub-station due to construction of new proposed Govt. Collage at pocket no.9, Mani Majra, under Electricity OP Subdivision (DRG-660) No.8, Mani Majra, Chandigarh	-	0.05	-
13	Replacement & Augmentation of existing old outlived & defective 11 kV & LT OCBS of 11 kV I/D Substations. Under Electricity OP Subdivision No.8, UT Chandigarh (DRG-631)	-	-	0.58

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
14	Electrification of outside Lal Dora for release of individual connection of Shastri Nagar under the jurisdiction of Electricity OP Subdivision No.8, UT, Chandigarh. (DRG-644)	-	0.15	-
15	Replacement of 15 year with new SML Prestige 3335mm old Swaraj Mazda CH01G1-1072 dual cabin BSIV (6+1) seats vehicle under Electricity OP Subdivision No. 8 Mani Majra Chandigarh	-	0.16	-
16	Augmentation of existing 11 kV O/H line 80Sqmm ACSR Conductor with 103 Sq.mm. 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 Industrial Area Ph.-III, Raipur Kalan, under the jurisdiction of Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh. (DRG-680)	-	0.14	-
17	Replacement/augmentation of existing 80Sqmm ACSR O/H lines with 103 sq.mm. ACSR conductor and 3CX300 Sq.mm 11kV XLPE U/G cable of Mauli & Mauli Complex feeder, under the jurisdiction of Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh	-	0.15	-
18	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 300 kVA T/F Maru wala and 200kVA T/F Welding Wala Under Electricity. OP Subdivision No.8, UT Chandigarh	-	0.31	-
19	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, Mani Majra, under Electricity 'OP' Subdivision No.8, Mani Majra, U.T., Chandigarh.	-	0.07	-
20	Providing additional 4x315 kVA P/M T/F near SCF 267, 326, 238 & 401 for deloding the existing the 200 kVA P/M T/F near SCF 268 and 300 kVA PM T/F near SCF 225 Motor Market Mani Majra Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.32
21	Augmentation of 100/200 kVA T/Fs with 3x315 kVA P/M T/Fs and replacement of existing outlived 80 Sq. mm. & 8 No. ACSR conductor with 103 Sq.mm. ACSR Conductor- Village Kishangarh/ Bhagwanpura, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.33
22	Augmentation of 3x200 kVA T/Fs with 3x315 kVA P/M T/Fs and additional 1x315 kVA P/M T/F near H. No. 270 Indra Colony, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.31
23	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 Mani Majra Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.17
24	Providing 315 kVA P/M T/F Near H. No. 6191 duplex Mani Majra to deloding the existing the 300 kVA P/M T/F near H.No.-6026 at duplex Mani Majra, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.08
25	Augmentation of existing 11 kV XLPE 3x150 sq.mm. cable with 300 sq.mm. of Indira colony feeder emanating from 66 kV Grid IT Park Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.11
26	Augmentation of existing 11 kV XLPE 3x150 sq.mm. cable with 300mm ² of new town feeder emanating from 66 kV Grid IT Park Under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.11
27	Replacement of outlived existing HT/LT line 80/103 Sq.mm. ACSR Conductor with 103 Sq.mm ACSR Conductor of New City Feeder Mani Majra, Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.25

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
28	Replacement of outlived existing HT line 30/80 Sq.mm. ACSR Conductor with 103 Sq.mm ACSR Conductor of AWHO Feeder Mani Majra, Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.25
29	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 Mani Majra, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.19
30	Strengthening of distribution system by Augmentation of outlived 80 Sq.mm ACSR & 8 No. Conductor with 103 Sq.mm ACSR conductor and outlived existing LT Cables and consumer services with new cables in the area of main bazar, Gobindpra, Nagla & Balmiki Mohalla MM, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.32
31	RCE for replacement of 11 kV O/H line by providing U/G 3Cx300 Sq.mm. 11 kV XLPE Cable of 11 kV Kalka Feeder emanating from 66 kV Grid Sub-station BBMB, under Electricity OP Subdivision No. 8 Mani Majra Chandigarh	-	-	0.84
Division 3				
1	Providing 5x315 kVA P/M S/Station near #1201,1131 & 1394, Sec-33C and #1577, 1683 Sec-33D for improvement of LD System under Subdivision No. 7, Chandigarh	-	0.25	-
2	Replacement of 11kV 3x300 sq.mm. damaged XLPE UG cable from 66 kV GSS BBMB to I.T.I sector 28 Chandigarh under Electricity OP Subdivision no 6 Chandigarh	-	0.25	-
3	Replacement of old outlived service wire and cable and Augmentation of ACSR 8/6 No with ACSR 103 sq.mm. in sector 20 under Electricity OP Subdivision no 6 Chandigarh	-	0.10	-
4	Replacement and Augmentation of existing 11 kV XLPE 3x150 sq.mm. U/G Cable with 11 kV XLPE 3x300 sq.mm. cable of 11kV sector 30 feeders from 66 kV phase 1 to centra mall light point I/A Phase 1 under Electricity OP Subdivision no 6 Chandigarh	-	0.30	-
5	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' Subdivision. No 6, Sec.20C, Chandigarh	0.30	-	-
6	Existing 11 kV O/H link between I/D Sub-station Sec.36-B to C, Sec.36-B to A and Sec.36-A to D with 300 sq.mm. 11 kV U/G cable due to thickly grown-up trees to avoid unwanted breakdowns under Electricity OP Subdivision.No.7, Chandigarh	-	0.10	-
7	Replacement of existing 11 kV O/H link Sec.35-A to Sec.35-D & beside V-4 Road Sec.35 with 300 sq.mm. 11 kV U/G cable due to thickly grown-up trees to avoid unwanted breakdowns under Electricity OP Subdivision.No.7, Chandigarh	-	0.15	0.10
8	Providing replacement & augmentation of existing LT O/H overheated / burnt / old outlived ACSR conductor of various size viz. A viz. 30/80/103 sq.mm. to 153 sq.mm. ACSR conductor of Sector 35 under Electricity OP Subdivision.No.7, Chandigarh	-	0.15	-
9	Providing 11 kV U/G independent feeder from 66 kV Sector 34 to 11 kV I/D Sub-station Sec.36-B Chandigarh Under Electricity OP Subdivision.No.7, Chandigarh	-	-	0.25
10	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 Sub-station Sec.36 U.T., Chandigarh	-	-	0.80
11	Replacement of existing old overheated and defective LT and HT breakers with new LT ACB and HT VCB of 11kV I/D S/Station sector 20 & 30 under Electricity OP Subdivision no 6 Chandigarh	-	0.40	-

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
12	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 Subdivision no 6 Chandigarh	-	0.30	-
13	Providing DG set in 66kV GSS Sector 32 under the jurisdiction of under Electricity OP Subdivision no 6 Chandigarh	0.10	-	-
14	Independent 11kV feeder from 66kV sector 34 to 11kV I/D S/Station Sector 20A under Electricity OP Subdivision no 6 Chandigarh	-	0.20	-
15	Replacement and augmentation of existing LT overhead burnt/overheated ACSR conductor (30/80 sq.mm. to 153 sq.mm. 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.	0.10	-	-
16	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 Sub-stationSec.37-A, U.T., Chandigarh	-	-	0.40
17	Providing 11 kV U/G 300 sq.mm. XLPE Cable to form Ring main to the existing P/M T/F's of Sec.33-A & B in case failure of existing 11 kV U/G radial feeder under Electricity OP Sub Division.No.7, Chandigarh	-	0.20	-
18	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 sq.mm. in Sector 30 under the jurisdiction of under Electricity OP Subdivision no 6 Chandigarh	0.20	-	-
19	Replacement of condemned Tata Truckno CH01-G-6131` with new vehicle under Electricity Op Subdivision no 6 Chandigarh	0.07	-	-
20	Replacement of condemned Boom Leader CH01-G-1754` with new vehicle under Electricity Op Subdivision no 6 Chandigarh	0.07	-	-
21	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.	-	0.10	-
22	Providing 11 kV independent feeder from proposed 66 kV Sec.37 to 11 kV I/D Sub-stationSec.37-A Chandigarh Under Electricity. OP Sub Division.No.7, Chandigarh.	-	-	0.20
23	Providing 1x630 kVA CSS Sub-stationSec.35-achandigarh To deload the existing P/M T/F's for the improvement of LD System in Sec.35-A under Electricity. OP Sub Division.No.7, Chandigarh	-	-	0.20
24	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 Electricity 'OP'S/Div. No-3, UT, Chandigarh	-	-	0.30
25	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 Sub-station Sec.19/B & 28-B Chandigarh under Electricity 'OP' Subdivision. No.3, Sec.18, Chandigarh	0.30	-	-
26	Replacement of existing old overheated and defective LT and HT breakers with new LT ACB and HT VCB of 11kV I/D S/Station. Sector 32&46 under Electricity OP Subdivision no 6 Chandigarh	-	0.50	-
27	Providing 5x315 kVA P/M T/F at sector 46 for deloading of Existing Transformers under Electricity 'OP' Subdivision. No 6, Sec.20C, Chandigarh	-	-	0.20
28	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/	-	-	0.30

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	outlived HT OCB/LT ACB's to 11 kV VCB/ LT ACB in 11 kV I/D Sub-stationSec.37-D, U.T., Chandigarh			
29	Providing 11 kV Independent U/G feeder from 66 kV Sub-stationSec.34 to 11 kV I/D Sub-stationSec.33-D, Chandigarh under Electricity. OP Sub Division.No.7, Chandigarh.	-	0.10	-
30	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 Sub-stationSec.34-D, U.T., Chandigarh	-	-	0.40
31	Providing 1x630 kVA CSS Sub-stationSec.33C Chandigarh to deload the existing P/M T/F's for the improvement of LD System in Sec.33-C under Electricity. OP Sub Division.No.7, Chandigarh	-	-	0.15
32	Replacement and augmentation of existing 11kV U/G 3x150 sq.mm. 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 3x300 sq.mm. XLPE cable for improvement of LD System under Electricity. 'OP' Subdivision. No.-3, UT, Chandigarh	-	-	0.15
33	Replacement and augmentation of existing old, outlived and defective 11 kV & L.T. OCBS of 11kV I/D Sub-station Sector 28B and 28C & 28D under jurisdiction of Electricity 'OP' Subdivision No 3, Sector-18A, Chandigarh	-	-	0.30
34	Replacement and augmentation of existing old, outlived and defective 11 kV & L.T. OCBS of 11kV I/D Sub-station Sector 18A ,18B, 18C &18D under jurisdiction of Electricity 'OP' Subdivision No 3, Sector-18A, Chandigarh	-	0.25	0.80
35	Providing 11kV independent underground feeder to Sector-21D, Chandigarh from 66kV Grid S/Station Sector-34 for improvement of LD System under Electricity OP Sub Division No. 3 UT Chandigarh.	-	0.25	-
36	Providing 3x315 kVA P/M T/F at sector 49 for deloading of Existing Transformers under Electricity 'OP' Subdivision. No 6, Sec.20C, Chandigarh	0.20	-	-
37	Replacement and Augmentation of existing 11kV XLPE 3x150 sq.mm. U/G Cable with 11kV XLPE 3x300 sq.mm. 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	-	0.20	-
38	Providing 1000 kVA 04 Nos. CSS in commercial belt Sector 35-B & C under Electricity. OP Subdivision.No.7, Chandigarh	-	-	0.30
39	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 Sub-stationSec.34-C, U.T., Chandigarh.	-	-	0.25
40	Providing 11 kV independent underground feeder to commercial belt Sector 35-B & C from 66 kV Sector 34, Chandigarh under Electricity OP Subdivision.No.7, Chandigarh	-	-	0.10
	Division 4			
1	GSC OP 9	0.35	0.36	0.37
2	GSC OP 10	0.35	0.36	0.37
3	Replacement of old obsolete damaged and outdated LT panela installed in 11 kVI/D, S/station, Sector 41-A, Chandigarh under Jurisdiction of Electricity Op Subdivision. No. 9, Chandigarh. W1/2015/13744	0.06	-	-
4	Replacement of burnt/outlived / damaged ACSR of LT lines with 103 sq.mm. conductor and mains and sub-mains of village Maloya and Dadu Majra for Improvement of voltage condition under Electricity 'OP' Subdivision. No.10 Sector-40B, Chandigarh.	0.20	0.40	-
5	Augmentation/upgradations of existing LD System along with shifting of LT over-head lines to maintain safe clearance from	0.50	-	-

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	residential area in Maloya colony, under Electricity 'OP' Subdivision. No.10 Sector-40B, Chandigarh.			
6	Providing 11 kV additional feeder to Sector 43 from 66kV Grid S/Station Sec- 52 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh	-	0.30	-
7	Augmentation of ACSR 30 sq.mm. of 11 kV Sector 45A feeder with ACSR 80 sq.mm. under Electricity Operation Subdivision No. 9, UT, Chandigarh.	-	0.10	0.15
8	RCE for augmentation HT cable of 11kV 43 Underground and 11 kV 43 Overhead feeders emanating from 66 kV Grid Substation Sector 52 from 3x150/185 sq.mm. to 3x300 sq.mm. XLPE cable and Augmentation of HT and LT ACSR of different sizes with ACSR 80 sq.mm. at different locations in Sector 43 for the improvement of LD system under Electricity Operation Subdivision No. 9, Sector 43, Chandigarh.	-	0.20	0.25
9	Augmentation HT cable of 11 kV 44D Underground feeder (Size of cable 3x150 sq.mm.) 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 30 sq.mm.) with 11 kV 3X300 sq.mm. 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.	-	0.30	0.45
10	Providing Additional 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	-
11	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, Electricity. OP, Subdivision. No. 9, Chandigarh.	-	0.05	0.07
12	Replacement of outlived, overheated, burnt and damaged outgoing service cables of different sizes and at different locations in Buraill under the control of SDO, Electricity. OP, Subdivision. No. 9, Chandigarh.	-	0.06	0.08
13	Providing independent 11 kV U/G feeder for Sec- 41B from 66kV Grid Substation., Sector 34 under the control of SDO, Electricity, OP, Subdivision. No. 9, Chandigarh.	-	0.20	0.25
14	Replacement of outlived, overheated, burnt, overheated LT ACSR 0.75 sq inch with ACSR 0.1 sq inch of Sector 45 at different locations for the improvement of LD system under SDO, Electricity. OP Subdivision. No. 9, Chandigarh.	-	0.10	0.25
15	Detail estimate for strengthening the indoor Sub-station 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 Electricity. OP Subdivision. No. 10, sec-40, Chandigarh.	-	0.20	0.40
16	Providing 5x315 P/M T/F S-38 Chandigarh for deloading the existing P/M I/D S/Station for improvement of LD system under Electricity OP Subdivision No. 10, Sec-40 B, Chandigarh.	-	0.15	0.15
17	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 Electricity 'OP' Subdivision no 10 Sector 40 Chandigarh	-	0.10	0.12
18	Providing 02 Nos. 315 kVA distribution transformer for deloading the existing transformer and improvement of LD system in Village Dadumajra, Chandigarh under the jurisdiction of Electricity 'OP' Subdivision. No. 10, Sec-40B, Chandigarh.	-	0.07	0.10
19	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 Electricity 'OP' Subdivision. No.10 Sector-40B, Chandigarh.	-	0.20	0.30

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
20	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.	-	0.25	-
21	Strengthening the indoor Station 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 Electricity OP /Division No. 10, Sec-40 B, Chandigarh.	-	0.30	0.40
22	Providing independent 11 kV feeder for Sector-40B, I/D Substation from 66 kV G/Substation Sector-56, Chandigarh under Subdivision. No. 10, Chandigarh (No.12728-29 dated 29.10.20) W1/2020/19173	0.20	0.30	-
23	100 kVA T/f on the plinth with 315 kVA on the plinth of near Govt. High School for release of electricity connection of sport infrastructure and improve the LD system sec-56, Chandigarh.	-	0.06	-
24	Providing individual electricity connections to the residents outside Lal Dora of Milk Colony, Maloya and Shahpur Colony under Electricity OP Sub Division No. 10, Chandigarh	-	0.35	-
25	Replacement and augmentation of existing 3x185 sq.mm. cable of 11kV U/G Sector-42 feeder from 66kV G/Sub-stationSector 52 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh.	-	0.20	0.10
26	Up gradation of 11 kV I/D Sub Stations by replacement & Augmentation of existing old, outlived and defective 11 kV & L.T cbs in I/D Sub-stationSector 41A& 42-C under Electricity. 'OP'S/D No 9, Sector-43, Chandigarh.	-	0.20	0.35
27	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh.	-	0.30	0.40
28	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh	0.08	-	-
29	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 Electricity 'OP' S/ Division no.-9, Chandigarh.	-	0.40	0.30
30	Replacement of old, worn out ACSR conductor and LT cables in Village Palsora, Buterla and Badheri for improvement of LD system under Electricity 'OP' S/ Division no.-9, Chandigarh.	-	0.20	0.25
31	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 Electricity 'OP' S/ Division no.-9, Chandigarh.	-	0.70	1.10
32	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 Sub-station Sector 44-A, B, D under Electricity. 'OP'S/D No 9, Sector-43, Chandigarh	-	0.50	0.70
33	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/Station Sector 45C & 43-B under Electricity. 'OP'S/D No. 9, Sector-43, Chandigarh	-	0.20	0.35
34	Replacement of old outlived ACSR conductor with 103Sq.mm alongwith replacement of Service Cables in village Burail under Electricity OP Sub Division No.9, Sec-43, Chandigarh.	-	0.50	-
35	Replacement and augmentation of existing 3x185 sq.mm. cable of 11kV U/G Burail feeder from 66kV G/Sub-station Sector 32 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh	-	0.35	-

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
36	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh	-	0.35	-
37	Providing 2x630kVA Packaged Sub Stations in village Burail in place of existing 750kVA Cabin Sub Station under Electricity OP Subdivision. No.9, Sec-43, Chandigarh.	-	0.30	0.35
38	Replacement and augmentation of existing 3x185 sq.mm. XLPE cable of 11kV Sector-51 old feeder from 66kV G/Sub-station Sector 52 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh.	-	0.08	-
39	Estimate for Replacement and augmentation of existing 3x150 sq.mm. XLPE cable of 11kV Progressive feeder from 66 kV Grid Sub-station Sector 47 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh.	-	0.35	-
40	Providing 11 kV underground independent feeder de-load the existing 11kV feeder for Sector-51 for the improvement of LD system under the control of the Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh.	-	0.45	-
41	Replacement of existing LT (jungle) fuse unit with LT ACB as well as LT Shunt Capacitor on 300/315 kVA T/F under Electricity. 'OP' Division. No.4 Chandigarh.	-	0.35	-
42	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh	-	0.20	0.25
43	Providing 6x315 kVA P/M T/F at various sites in Sector-44, for improvement of LD system Chandigarh Under Electricity 'OP' Subdivision. No.9, Sec-43, Chandigarh	-	0.40	-
	Total (11kV and below)	9.68	32.47	25.38
	Total	13.68	47.47	35.38

Summary of capital expenditure submitted by the Petitioner

The summary of capital expenditure projected by the Petitioner for the 3rd MYT Control Period is as follows:

Table 41: Summary of capital expenditure projected by the Petitioner for the 3rd MYT Control Period (Rs. Cr.)

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
Existing Schemes				
1	33 kV and Above	9.38	0.05	-
2	11 kV and Below	14.47	3.74	1.90
	Total (Existing/Spillover Schemes)	23.85	3.79	1.90
New Schemes				
1	33 kV and Above	4.00	15.00	10.00
2	11 kV and Below	9.68	32.47	25.38
	Total (New Schemes)	13.68	47.47	35.38
	GRAND TOTAL (Existing and New Schemes)	37.53	51.26	37.28

Capitalisation for Spillover Schemes

The capitalisation schedule proposed by the Petitioner for the upcoming Control Period is as given in the following table:

Table 42: Details of projected capitalisation proposed by the Petitioner for Spillover Schemes for the 3rd MYT Control Period

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
	33 kV and Above			
	Division 2			

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
1	Appointment of Project Management agency for Turnkey Execution including Supply Erection commission project Management. Design, engineering, inspection for Smart Grid Project under Electricity Sub/Division No. 5 Chandigarh. (IBM No. G1/2016/15114).	-	30.76	-
	Division 4			
1	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/Substation, Village - Sarangpur, Chandigarh.	6.66	-	-
2	Trunkey Execution of 66/11kV 2x20mva Substation, Institution Area, Village - Sarangpure, Chandigarh.	10.06	-	-
3	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, Industrial 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.	1.94	-	-
4	Providing 2x20 MVA, 66/11 kV Grid Sub/Station at Raipur Kalan, UT, Chandigarh	-	9.16	-
5	Up-gradation of Transformation capacity at 66/11 kV Sub-station 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 SubstationAt Civil Sectariate Sec- 1 & Sec- 12, Chandigarh.	-	7.07	-
	Total (33 kV and Above)	18.66	46.99	-
	11 kV and Below			
	Division 1			
1	RCE for providing 11kV independent u/g feeder from forthcoming 66 kV sector 34 i/d Sub-station. Sector 24-c to providing Uninterrupted power supply to judges houses of sector 24 & to residents of sector 23, chandigarh (IBM scheme no. W1/2019/18065)	1.05	-	-
2	DNIT for providing 03 nos. 315 kVA p/m Substation. Near #1424, #1181 & #1580, sec 23b, to give relief to the LT o/g to #1482, #1524, #1213 #270, #1560 & #1555, sec 23b & deload 02 nos. I/d T/F 1000 kVA & 8000 kVA at 11 kV i/d Sub-station Sec 23b, chandigarh Under electricity(op) s/division, no.1, chandigarh (t.no. Op1/65/2018-19)	0.26	-	-
3	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 old system (IBM No. W1/2019/18098)	0.23	-	-
4	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 Electricity OP Subdivision No. 2, Chandigarh	9.04	-	-
5	Conversion of existing overhead HT/LT lines into underground system and replacement/augmentation of equipment of 11 kV I/D substation, including street light system in sector 8, chandigarh under Electricity op sub division no. 2 chandigarh (transfer to electrical dept)	-	17.93	-
6	Road cut for conversion of existing overhead HT/LT lines into underground system and replacement/augmentation of equipment of 11 kV I/D substation, including street light system in sector 8, chandigarh under electricity op Subdivision no. 2 chandigarh (transfer to electrical dept)	-	2.61	-
7	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)	1.47	-	-
	Division 2			
1	GSC OP subdivision No.5	0.12	-	-
2	GSC OP subdivision No.8	0.11	-	-
3	Providing 100 kVA P/M T/F for M-23 T/Well near Village Kishangarh for deloading existing 200 kVA (Near Mangat Farm) under the jurisidiction of Electricity OP Subdivision No.8 Manimajra Chandigarh (IBM No. 2018/17000)	0.05	-	-
4	Providing for de-loading the existing 1x300kVA T/F and 1x200 kVA T/F near Police Post Mouli Complex, Mani Majra by providing 315 kVA additional T/F near T/Well No.2 in Mouli Complex and providing additional 315 kVA T/F near H. No. 3024, Mouli Complex for de-loading the existing 300 kVA T/F near H.	0.15	-	-

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
	No. 3240, Mouli Complex, Mani Majra under Electricity OP Subdivision No.-8, M.Majra, U.T. Chandigarh. (IBM No. 2021/19616)			
5	Deloading the existing 2x315 kVA T/F in front of H. No. 943 & 1492 Vikas Nagar for deloading the existing 500 kVA & 315 kVA P/M T/F's in front of House No. 348 & 385 in Vikas Nagar under Electricity OP Subdivision No.8 M.M. Chandigarh, UT (IBM No. 2021/19402)	0.22	-	-
6	Providing additional 3 Nos. 315 kVA T/F and replacement of existing old outlived ACSR 103 sq.mm. in Sector 29 improvement of LD System under Electricity OP Subdivision No.5(IBM No. 2020/18981)	0.27	-	-
7	Providing additional 4x315 kVA T/F at various sites along with replacement and augmentation of existing outlived conductor of LT Lines in V-Daria for improvement of LD System under jurisdiction of Electricity OP Sub Division No.5 Chandigarh (IBM No. 2020/19140)	0.51	-	-
8	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' Subdivision No. 5, UT Chandigarh. (IBM No. W1/2020/19110)	0.51	-	-
9	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 Electricity 'OP' Subdivision No. 5, UT Chandigarh. (IBM No. W1/2020/19238)	0.37	-	-
10	Providing additional 3x315 kVA 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 Electricity 'OP' Subdivision No.5 UT Chandigarh. (IBM No. W1/2020/18637)	-	0.24	-
11	Replacement of full wave controlled battery charger with Battery Bank of DC DB at 66 kV and Substation Manimajra electyop Sub Division No. 8 MM Chandigarh(IBM No. 2018/16390)	0.77	-	-
12	Replacement of existing 220 V battery Bank at 66 kV Grid Sub Station IT Park, Manimajra UT Chandigarh (IBM NO. W1/18/16583)	0.02	-	-
13	Augmentation of existing 11kV 3x185 sq.mm. XLPE cable of Rural Feeder with 11 kV XLPE 3x300 sq.mm. Cable from 66kV Mani Majra to near Masjid and replacement of existing 11 kV O/H line conductor of Rural Feeder with new 103 sq.mm. conductor from Masjid to Govt T/well near Railway Line P.W.T. for improvement of LD/HT system under Electricity OP. Subdivision No.8, Mani Majra, Chandigarh. (IBM No. 2021/19370)	0.30	-	-
14	Providing additional 2x315 kVA P/M T/F and replacement of existing old/outlived/burnt ACSR with ACSR 103 mm.sq in Village Hallomajra for improvement of LD system under Electricity 'OP' Subdivision No.5, Industrial Area, Ph-I UT Chandigarh. Tender No. OP2/13/2019-20 (IBM No. 2018/17002)	0.05	-	-
15	Providing additional 315 kVA P/M T/F and replacement of existing old/outlived/burnt ACSR with ACSR 103 sq.mm. in Village Behlana for improvement of LD system under Electricity 'OP' Subdivision No.5, Industrial Area, Ph-I UT Chandigarh. Tender No. OP2/12/2019-20 (IBM No. 2018/16897)	0.04	-	-
16	DRG-733 DNIT for providing 100 kVA P/M T/F to release SOP connection to newly build Tube well at Village Raipur Khurd (near STP Gate) under the Electricity. 'OP' Subdivision No.5, I/A, U.T., Chandigarh. (W1/18/17003)	-	0.02	-
17	Replacement of existing old/outlived/burnt ACSR with ACSR 103 sq.mm. in Ram Darbar, Phase-I & II for improvement of LD System under electricity 'op' S/ Division No-5, Industrial Area, Ph-I, U.T. Chandigarh (IBM No. W1/2020/19162)	0.25	-	-
18	DRG-27 - Replacement of old and outlived Main and Sub main Service Wire in Sector 29 B, Chandigarh for improvement of LD system under Electricity. OP Sub Division No. 5, UT Chandigarh. (IBM No. -2021/20163)	0.52	-	-
19	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 Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh. (DRG No. 618) (IBM No. 2021/19742)	0.61	-	-
20	11kV O/H line of New Town feeder part of village Kishangarh and Bhagwanpura with U/G 11XLPE 3Cx300 sq.mm. Cable for improvement of LT/HT System, Under Electricity OP Subdivision No.8, UT Chandigarh (DRG- 683) (IBM No.2021/19773)	0.46	-	-

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
21	Providing additional 11kV U/G Cable with 3CX300 sq.mm. 11kV XLPE Cable for the village Kishangarh and Bhagwanpura form 66kV Grid Sub-station IT Park, under jurisdiction of Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh. (IBM No. 2017/17005)	-	0.26	-
22	Conversion of a part of Rural feeder into underground feeder for Ayush Hospital and Educational Institution, Mani Majra. (IBM No. 2021/19350)	0.12	-	-
	Division 3			
1	RCE for providing 3x315 kVA P/M T/F near M.R.A., School, Sec.27-A(2 Nos.) And near park 27-A, Chandigarh Under 11 kV I/D Sub-stationSec.27-B, under Electricity OP sub Divn No.3, Sec.18,Chandigarh (W1/2015/13755)	0.22	-	-
2	Providing 3x315 kVA P/M T/Fnear 3081-A, Sector 20-D near gurudwara, Sector 20-C and back side #2374, Sector 20-C Chandigarh for del oading existing P/M T/Fs and 11 kV I/D/Sub-stationSector 20-C and D under Elec. Op subdivision No 6 U.T Chandigarh (IBM No. W1/2015/13830)	0.23	-	-
3	Providing 3x315 kVA P/M T/F near House No. 2506, House No.2354, Sector 35-C & near SCO No. 280, Sector 35-D, Chandigarh for improvement of LD system under s/Divn. No 7, Chandigarh. (W1/2015/13743)	0.21	-	-
4	Providing 3x315 kVA P/M Stn. Near # 2401, 2736 and 2780, Sector 37-C to give relief to the existing 1x200 and 1x300 kVA P/M T/Fs and 2x1000 kVA I/D T/Fs in 11 kV I/D Substation, Sector 37-C, Chandigarh. (W1/2015/13818)	0.23	-	-
5	Augmentation and replacement of existing old & defective/burnt LT OCBS with new LT acbs at 11 kV I/D Substation. Sector 37-A, B under Elec. Op subdivision No 7, Chandigarh. (IBM No. W1/2015/14046)	0.15	-	-
6	Providing 2x315 kVAP/m T/F near House No. 1 and behind the institute of Engineers, Sector 19-A, Chandigarh for deloading the existing P/M, T/F and 11 kV I/D Substation. Sector 19-A Chandigarh under Elec. Op Subdivision No. 3, Chandigarh. (W1/2015/13879)	0.19	-	-
7	Replacement and augmentation of existing 11 kV pilca 3x50 sq.mm./11kVXLPE 3x150 sq.mm.u/G cable of 200 kVA P/M T/F for BBMB building. Madhya Marg, Sector 19-B and 11 kV I/D Sub-stationSector 19-A and 19-B to nearest pole with 11 kV 3x300 sq.mm. XLPE cable. (W1/2015/13765)	0.12	-	-
8	Low tension capacitor (gas filled) conforming to IS standard for installation on secondary side of distribution T/F under Elec. Op Divn No. 7, Chandigarh. (W1/2013/11957)	0.13	-	-
9	Low tension capacitor (gas filled) conforming to IS. Standard for installation on secondary side of distribution T/F under Elec. Op subdivision No. 6, U.T Chandigarh. (W1/2013/11956)	0.12	-	-
10	Low tension capacitor (gas filled) conforming to IS standard for installation on secondary side of distribution transformer under Elec. Op Sub Divn. No. 3, Sector 18, Chandigarh (W1/2013/11852)	0.01	-	-
11	Replacement of copper conductor for 8SWG with ACSR 30 sq.mm. of S/L in Sec-18, 19&21 under the control of Elec. Op Sub Divn. No3, Chandigarh (W1/2011/10398)	0.09	-	-
12	Rough Cost Estimate for providing 3x315 kVA P/M T/F near H.No. 696, backside H.No. 513, Sector 20-A and 1451/20-B Chandigarh for improvement of LD system under Electricity 'OP' subdivision No. 6, Chandigarh. (W1/2016/14582).	0.22	-	-
13	Rough Cost Estimate for providing 3x315 kVA P/M T/F near H.No. 1225/30B near Satya Sai Trust/30B and near H.No. 746/30A, Chandigarh for deloading existing P/M T/Fs and 11 kV I/D Substation., Sector 30-A and 30-B under Electricity 'OP' subdivision No.6, UT Chandigarh. (IBM Scheme No. W1/16/14662)	0.23	-	-
14	Rough Cost Estimate for augmentation of existing 11 kV 3x185/150 sq.mm. XLPE U/G cable of 11 kV sector 32 Hospital with 11 kV 3x300 sq.mm. XLPE cable due to extension of Block 'A' load for providing supply to new Block 'E' of GMCH Sector 32 Chandigarh. (IBM Scheme No. W1/16/14686).	0.15	-	-
15	Rough Cost Estimate for replacement of existing LT (jungli) Fuse unit with LT ACB's of 300/315 kVA P/M T/F under the jurisdiction of Electricity 'OP' subdivision No. 7, Sector 35 Chandigarh. (15% ST+15 % CP) IBM No.W1/16/14707	0.26	-	-
16	RCE for providing basic infrastructure in CGRF Building, Sector 19-B, Chandigarh. (IBM No. W1/16/14595)	0.10	-	-

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
17	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 Electricity 'OP' subdivision No.3, Sector 18, Chandigarh. (IBM No. W1/2016/14865)	0.35	-	-
18	RCE for replacement of 11 kV old outlived Pilca U/G cable 3x185 sq.mm. with 11 kV XLPE 3x300 sq.mm. from 11 kV I/D sub station sector 20C-Sector 20-D and 11 kV I/D sub station Sector 30-C to Sector 30B near Chandigarh.(IBM NO. W1/16/15005)	0.24	-	-
19	RCE for replacement of existing LT (Jungli) fuse unit with LT ACB of 300/315 kVA P/M T/F under the jurisdiction of Electricity 'OP' subdivision No.6, U.T., Chandigarh. (IBM No. W1/16/15083)	0.40	-	-
20	Providing 4x315 kVA P/M T/F near H.NO.525 Sec.18-B H.No.1019 sector 18-C H.No.1521 & 1622 sector 18D Chandigarhimprovement of LD system under ElectricityOP subdivisionno.3,UT,Chandigarh	0.28	-	-
21	Procuring spare T/F of 315 kVA (3 nos.) & 1000 kVA (1 no. For replacement against damaged T/Fs for restoration of supply on emergent basis under Electricity OP S/Div.No.7,Chandigarh	0.19	-	-
22	Replacement of obsolete portion of 11 kV 3x185mmsq. XLPE / Pilca cable link of 11kV sec.36-C feeder emanating from 66kV G/Sub-stationSec.52& various 11kV pilca cables links laid in sec.36 with 300mm sq. 11kV XLPE cable from improvement of LD system under ElectricityOP S/Div.no.7,Sec.35-B,Chandigarh	0.28	-	-
23	Purchase of Spare 315 kVA Distribution Transformer (Three Nos.) And 1000kVA Distribution Transformers (One No.) For the Sub Division No. 6, Sec-20, Chandigarh	0.19	-	-
24	Providing 4x315 kVA P/M Sub-stationIn sec 46 A,B,C &D to deloading the I/D T/F in 11 kV I/D Sub-stationSec 46 A, B,C &D Chd	0.40	-	-
25	Purchase of spare 315 kVA Distribution Transformer (Three nos.) And 1000 kVA Distribution Transformers (One No) for the Sub Division no. 3 Sector- 18, U.T., Chd	0.15	-	-
26	Replacement of the 11kV O/H line ACSR conductor of 11 kV 21A feeder from 33 kV G/S/stnsec-34 & 11 kV 21A feeder from 33 kV G/Substation sec-18 with 11kV 3x300 mm sq. U/G XLPE cable for improvement of LD system under Electricity 'OP' SubdivisionNo. 3, Chandigarh(W1/2018/16329)	0.17	-	-
27	Providing 4x315 kVA P/M Substation near # 1375, 1425, Sec-34C and #1529, 1874, Sec-34D for improvement of system under SubdivisionNo. 7, Chandigarh(W1/2018/16542)	0.30	-	-
28	Rough Cost Estimate for providing 3x315 kVA P/M T/Fs near house no. 257 backside Sector 37 A , House No. 1411 Sector 37 B and near booth no. 115, Sector 37C for improvement of LD System under the control of Electricity OP Sub Division No. 7, Sector 35 B Chandigarh.	0.37	-	-
29	RCE for the repair/Renovation I/D Substation Building under SDO, Electricity 'OP' SubdivisionNo. 7, Chandigarh(Sec-37A & 37B)	0.13	-	-
30	RCE for the repair/Renovation I/D Substation Building under SDO, Electricity 'OP' SubdivisionNo. 6, Chandigarh(Sec-32C)	0.08	-	-
31	RCE for the repair/Renovation I/D Substation Building under SDO, Electricity 'OP' SubdivisionNo. 3, Chandigarh(Sec-19D)	0.09	-	-
32	RCE for the repair/Renovation I/D Substation Building under SDO, Electricity 'OP' SubdivisionNo. 7, Chandigarh(Sec-34C & 34D)	0.07	-	-
33	RCE for the repair/Renovation I/D Substation Building under SDO, Electricity 'OP' SubdivisionNo. 6, Chandigarh(Sec-20D)	0.08	-	-
34	RCE for the repair/Renovation I/D Substation Building under SDO, Electricity 'OP' SubdivisionNo. 7, Chandigarh(Sec-36C)	0.07	-	-
35	RCE for the repair/Renovation I/D Substation Building under SDO, Electricity 'OP' SubdivisionNo. 6, Chandigarh(Sec-30A, 30B, 46A,B,C)	0.44	-	-
36	RCE for the repair/Renovation I/D Substation Building under SDO, Electricity 'OP' SubdivisionNo. 3, Chandigarh(Sec-18B,C&D, 19A &C, 21-C, 28B,C,D)	0.07	-	-
37	RCE for the repair/Renovation I/D Substation Building under SDO, Electricity 'OP' SubdivisionNo. 6, Chandigarh(Sec-46D)	0.05	-	-
38	RCE for the repair/Renovation I/D Substation Building under SDO, Electricity 'OP' SubdivisionNo. 7, Chandigarh(Sec-33A&B, 35-B,C&D, 36B&D, 37C&D)	0.90	-	-
39	Rough Cost Estimate for I/D Substation Building under SDO, Electricity 1. 'OP' SubdivisionNo. 3, Chd-18/A, Chandigarh(Sec-21A) 2. 'OP' SubdivisionNo. 3, Chd-18/A, Chandigarh(Sec-27C Stone Masony) 3. 'OP' SubdivisionNo. 3, Chd-18/A, Chandigarh(Sec-27D)	0.46	-	-

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
	4. 'OP' SubdivisionNo. 3, Chd-18/A, Chandigarh(Sec-20A & 20B) 5. 'OP' SubdivisionNo. 3, Chd-18/A, Chandigarh(Sec-19B) 6. 'OP' SubdivisionNo. 7, Chd- 35B, Chandigarh(Sec-34A) (Picaddily, Mukut gurudwara)(W1/2019/17662)			
40	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	-	0.98	-
41	Providing 11 kV U/G independent feeder from 66 kV grid sub station Sector 34 to 11 kV I/D Substation., 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.	0.65	-	-
42	Up gradation of 11 kV indoor Substation by replacement and augmentation of existing old outlived and defective 11 kV and LT ocbs and T/Fs in indoor Sub-stationIn Sector 27 B, 27-C and 27-D under Electricity OP subdivision No.3, Chandigarh. W1/2019/17749	-	-	1.76
43	RCE for providing 11 kV independent underground feeder from 66 kV G/Substation., Sector 34 to 11 kV indoor Sub-stationSector 34 A, Chandigarh. W1/2019/17807	0.35	-	-
44	RCE for providing 4x315 kVA P/M T/F near House No.23, 176 & 260, Sector 33-A and House No.609, Sec.33-B, Chandigarh For improvement of LD System of S/D OP7.	0.35	-	-
45	Rough cost estimates for replacement of condemned SKY LIFT Vehicle No. CH01-G1-0891 with new SKY LIFT of equivalent capacity under Electricity 'OP' SubdivisionNo. 7, Chandigarh	0.15	-	-
46	RCE for replacement & augmentation of existing old, outlived and defective 11kV & LT ocbs of 11kV & LT ocbs of 11kV I/D Sub-stationSec.21C & 21A under Electricity OP subdivisionNo.3, Sec.18A, Chandigarh.	-	-	1.14
47	RCE for up gradation of 11kV I/D Sub-stationBy replacement & augmentation of existing old, outlived and defective 11kV & LT ocbs and transformers in I/D Sub-stationSec.19A, 19B , 19C & 19D under Electricity OP subdivisionNo.3, Sec.18A, Chandigarh.	-	-	1.51
48	RCE for providing 11kV independent U/G feeder from 66kV G/Substation, Sec-34 to 11kV I/D Substation, Sec-33A, Chd	0.30	-	-
49	Replacement of existing 11 kV O/H line of U/G bajwara, O/H Bajwara feeder & southern-II feeder with 11 kV 3x300 sq.mm. U/G cable in Sec.28, Chandigarh And augmentation of existing 11 kV 3x185mm 2 XLPE U/G cable with 11 kV 3x300 sq.mm. 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 subdivision No.3, Chandigarh	-	1.00	-
50	Rough cost estimates for replacement of defective and burnt O/H LT cable of size 25/50/70 sq.mm. by providing 3.5x50/185 sq.mm. U/G cable and providing meter boxes at the entrance of houses (House no. 3 to 18, Multi-storey) in Sec-27A, Chandigarhunder the jurisdiction of Electricity 'OP' SubdivisionNo.3, Sec-18, Chandigarh	0.05	-	-
51	RCE for providing 11 kV independent underground feeder to 11 kV I/D Substation, Sec-19A & 19C, Chandigarhfrom 66kV G/Substation, Sec-34 for improvement of LD System under Electricity 'OP' SubdivisionNo.3, Chandigarh (IBM Scheme No. W1/2020/19017)	1.71	-	-
52	RCE for replacement and augmentation of existing 11kV U/G 3x150 sq.mm. XLPE cable of 11 kV 21C feeder from 33 kV G/Substation, Sec-34 with underground 3x300 sq.mm. XLPE cable for improvement of LD System under Electricity 'OP' SubdivisionNo. 3, Chandigarh	0.43	-	-
	Division 4			
1	RCE for Purchase of Spare 315 kVA DT (3Nos.) T/F and 1000 kVA DT (1No.) T/F under Electricity (OP) subdivision No. 9, Chandigarh	-	0.21	-
2	RCE for Purchase of Spare 315 kVA DT (3Nos.) T/F and 1000 kVA DT (1No.) T/F under Electricity (OP) subdivision No. 10, Chandigarh	-	0.21	-
3	Providing individual electricity connections to the residents of outside Lal Dora of Adharsh colony, Sector 54, Chandigarh.	0.35	-	-
4	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 Electricity 'OP' subdivision No. 10, Sec-40B, Chandigarh	0.24	-	-

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
5	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 Electricity 'OP' S/Div no. 10, Sector-40B Chandigarh.	0.27	-	-
6	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 Electricity 'OP' SubdivisionNo.10, Sector-40B, Chandigarh.	0.26	-	-
Total (11 kV and Below)		31.04	23.47	4.41
Total Spillover Schemes		49.70	70.46	4.41

Capitalisation for New Schemes

Table 43: Details of projected capitalisation proposed by the Petitioner for New Schemes for the 3rd MYT Control Period

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
33 kV and Above				
Division 4				
1	Replacement /augmentation of 3 no. Damaged 66/11kV, 10/12.5 kVA Power Transformer with 20 MVA Power Transformer at 66kV G/Sub-stationSec-1, BBMB & I/A-Ph-II, Chandigarh.	-	4.00	-
2	Providing 66kV transmission line to upcoming 66kV Grid/Sub/Station Alongwith associated 66kV line bays at Raipur Kalan, UT, Chandigarh.	-	-	13.00
3	Conversion of 66kV Single circuit to D/C T/L and U/G cable from 220 kVA GSS Kishangarh to 66kV Sub-stationSec-12 UT Chandigarh to D/C T/L	-	-	12.00
Total (33 kV and above)		-	4.00	25.00
11kV and below				
Division 1				
1	GSC subdivision No.1	0.32	0.36	0.37
2	GSC, electricity Sub division No.2	0.35	0.36	0.37
3	GSC sub division No.4	0.42	0.36	0.37
4	Strengthen the Distribution System after Replacement & Augmentation of 11kV U/G PILC 3x185/120/70 sq.mm link or feeder cable with 3x300 sq.mm XLPE cable in Sector-9 & 10 under Electricity OP Subdivision. No.2, UT, Chandigarh. (No.11013-14 dated 7.6.16) W1/2016/14189	0.30	-	-
5	Supply, delivering testing and commissioning of full wave battery charger alongwith battery bank at DC DB at 66 kV Grid Sub-station Sector 52, Chandigarh (A & A No. 14917 dated 18.08.17)	0.08	-	-
6	Supply, Delivery, Testing, Installation and Commissioning of 220 V, 100 AH VRLA Battery along with 220 V, 50 A Full Wave FCBC to replace the existing Battery Bank and Battery Charger installed at 66 kV Grid Substation, Sec 39, Chandigarh	-	0.06	-
7	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 Electricity 'OP' Sub/Division. No.1, Sec. 23D, Chandigarh.	0.25	-	-
8	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 Substation in Sec 7A, 7B & 7C Chandigarh, for modernization of Sub Station	-	1.50	-
9	Providing LT ACB as well as LT Shunt Capacitor on 315/300 kVA P/M T/F under the jurisdiction of Electricity 'OP' Subdivision. No. 4, Chandigarh (A & A No. 14140 dt. 16.08.19)	0.30	-	-

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
10	Replacement & augmentation of 11 kV U/G PILC 3x95/120 sq. mm Governor house feeder cable and its concerned 2x120 sq. mm PILC link cables with 3x300 sq. Mm XLPE cable under Electricity OP subdivision. No. 2, UT, Chandigarh. (A&A No. 14900 dated 29.08.19)	0.70	-	-
11	Providing 3x300 sq. mm XLPE cable from 66 kV G/Sub-station New Sarangpur to Rural feeder for deloading & 66 kV Grid Sub-station Sector - 12, Chandigarh. (A&A No. 9544 dated 12.06.2019)	0.05	-	-
12	Replacement of 11 kV O/H bare conductor with 11 kV 3X300 Sq. mm XLPE cable/ Aerial Bunched Cable along with improvement and augmentation of LD System in village Kaimbwala, under Electricity 'OP' Subdivision. No. 2, Chandigarh (A & A No. 8046 dt. 08.05.18)	-	-	0.70
13	Replacement & rerouting of 11 kV O/H 15D feeder with 3x300 sq.mm. XLPE U/G cable for improvement of LD system under the jurisdiction of Subdivision- 4, Sec-15, Chandigarh. (IBM No. 2020/18618)	-	0.60	-
14	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)	-	-	3.00
15	Providing LT ACB as well as LT Shunt Capacitor on existing 300/315 kVA Pole mounting T/F under the area of jurisdictions of Subdivision. No. 2. (A & A No. 1526 dated 29.01.2020)	-	-	0.70
16	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 Sub-station Sector 22-A and shifting of 320 Nos. Single phase meter outside from consumer premises 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)	-	-	0.55
17	Providing New 11 kV feeder from 66 kV Sec-39/ upgrading 33 kV Sec-34 to I/D Sub-stationSec-22C to cater the load of over loading Aroma feeder under the jurisdiction of Electricity 'OP' Sub/Division. No.1, Sec. 23D, Chandigarh.	-	0.45	-
18	Strengthening of distribution system with replacement of existing old / over-heated and defective HT OCBS with new HT VCBS of 11 kV I/D, Sub-station Sector 23-B, Sector 23-C and 23-D, Chandigarh	-	0.55	-
19	Strengthening of distribution system with replacement of existing old / over- heated and defective HT OCBS with new HT VCBS of 11 kV I/D, Sub-station 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	-	-	1.50
20	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 Electricity 'OP' Subdivision. No. 2, Chandigarh.	-	0.30	-
21	Conversion of 11 kV O/H CPWD Feeder into 11 kV U/G cable of size 300 mm sq. XLPE to reduce the tripping / breakdowns bare minimum under the jurisdiction Electricity 'OP' Subdivision. No. 2, Chandigarh (U.T.)	-	0.20	-
22	Supply of One No. Sky Lift fitted on LCV for the maintenance of Power system of area under complaint center, DPH, Sec-26, under Electricity 'OP' Subdivision No. 2, Chandigarh	-	0.13	-
23	Providing 5x315 kVA P/M S/Station near # 10&382 & 328.Sector 7A and # 1775, 1628, Sector 7 C for improvement of LD system under AEE, Electricity OP Subdivision.No.2, Chandigarh	-	-	0.40
24	Providing 11kV independent underground feeder from 66kV Grid S/Station, I.T Park to 11 kV I/D S/S/Station, Sector-7A,	-	-	1.35

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	Chandigarh for improvement of L.D system under Sub-Division No 2, Sector 10, Chandigarh.			
25	Providing 11kV independent underground feeder to newly constructed U.T Sectt. Building, Plot No. 7, Sector-9 D from 66kV Grid S/Station, Sector-1 Chandigarh.	0.75	-	-
26	Purchase of Bolero makes official car / vehicle conforming to Bs-VI specifications for field staff AEES/SDOS under the jurisdiction of Electricity 'OP' Division. No. 1, Chandigarh	-	0.30	-
27	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 Electricity. 'OP' Subdivision. No.2, Chandigarh	-	2.00	-
28	Providing of RMU and CSS in Parade Ground Sec-17 & providing second 11 kV source from Haryana Secretariat feeder.	-	0.25	-
29	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	-
30	Supply of 1 no. Sky Lift fitted on LCV for maintenance of Power System at Complaint Centre, Sector-17, under Electricity OP Subdivision. No. 4, Sector-15, Chandigarh.	0.23	-	-
31	Replacement / augmentation of 11 kV O/H line of 11 kV PEC feeder with 3 x 300 sq.mm. U/G cable for improvement of LD system under the jurisdiction of Subdivision- 4, Sec-15, Chandigarh.	-	-	0.75
32	Replacement of LT OCB with LT ACB in Sec-12, Chandigarh.	-	-	0.50
33	Replacement of LT OCB with LT ACB in Sec-14, Chandigarh.	-	-	0.50
34	Special repair of 6 MVA, 33/11 kV transformer lying at 33 kV Sub Station, Sector-18, Chandigarh.	-	0.20	-
35	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	-	-	0.60
36	Providing 2 Nos. U/G 11 kV feeder from New 66 kV G/Sub-station 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.	-	-	1.65
37	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	-
38	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/Station Sec 16 B to P/M T/F, H. No. 514, Sec 16 C under the jurisdiction of Electricity 'OP' Sub/Division. No.4, Sec. 15C, Chandigarh.	-	-	0.10
39	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/Station Law College P.U. Sec. 14 to O/H line on Pharmacy Feeder & on Pharmacy feeder Near Swimming Pool Sub-station P.U. & I/D Sub-station Admin Block to P/M T/F Near Gate No. 2 P.U. Sec 14. Under the jurisdiction of Electricity 'OP' Sub/Division. No.4, Sec. 15C, Chandigarh.	-	-	0.15
40	Providing 315 kVA T/F near CRPF Barrier village Sarangpur for improvement of LD system under the jurisdiction of Subdivision- 4, Sec-15, Chandigarh.	-	-	0.15
41	Replacement of outlived Pilca Cable and augmentation of 3x150 sq.mm. Cable with 3 x 300 sq.mm. in Sec-14 & 15, Chandigarh.	-	-	0.25
42	Providing 11 kV link between GMSH Sec-16 to 11 kV I/D Substation. Sec-16/B, Chandigarh.	-	-	0.16
43	Replacement of 11 kV OCB with 11 kV VCB at 33 kV G/Sub-station Sec-17, Chandigarh.	-	-	0.65

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
44	Replacement & Aug. Of 11 kV Cable portion having No. Of joints.	-	-	0.25
45	From Tripole Sec-14 to I/D Sub-stationSecv-15/D, Chandigarh.	-	-	0.06
46	Replacement of old and outlived Main and Sub Main Service wires in village- Dhanas and Milk Colony, Dhanas.	-	-	0.15
47	Providing 11 kV Link between I/D Sub-stationSec-15/A to I/D Sub-stationSec-15/B with 3 x300 sq.mm. XLPE Cable.	-	-	0.12
48	Providing 1 x 315 kVA P/M T/F near Govt. T/well	-	-	0.06
49	Providing 2 x 315 kVA T/F near # 2277 Ambedkar Colony and near Public Toilet Village Dhanas.	-	-	0.12
50	Replacement of 11 kV OCB with 11 kV VCB in Sec-12 & Sec-14, Chandigarh.	-	-	1.30
51	Replacement of Main Submain Service wire in LIC Flats in Sec-15/D, Chandigarh.	-	0.10	-
52	Strengthening the Indoor Sub-station Sector 17, Chandigarh by replacing the existing LT OCB/ACB with LT ACB's Chandigarh.	-	-	0.35
53	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/Station 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 Electricity 'OP' Sub/Division. No.4, Sec. 15C, Chandigarh.	-	0.14	-
Division 2				
1	Supply, Installation, Testing, & Commissioning of CCTV cameras at Sub-Divisional office, Complaint centre & 66kV Grid Substation., under Electricity OP Subdivision No.8, Manimajra, UT, Chandigarh.	-	0.20	-
2	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	-
3	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 Electricity, op subdivision no 5 Chandigarh.	-	0.68	-
4	Providing new 11kV U/G feeder for strengthening 11kV supply system in sector-48 Chandigarh under jurisdiction of Electricity OP Subdivision No 5 UT Chandigarh.	-	0.37	-
5	Replacement of 11 kV U/G XLPE cable 3x185 sq.mm. of Ram darbar1 feeder with 11kV U/G 3x300 sq.mm. XLPE cable from 66 kV grid sub-station industrial area Ph. 1Chandigarh for improvement of power supply in the area under Electricity, OP subdivision no 5 Chandigarh	-	0.20	-
6	Replacement of 11 kV U/G XLPE cable 3x185 sq.mm. of Ram darbar2 feeder with 11kV U/G 3x300 sq.mm. XLPE cable from 66 kV grid sub-station Ind area Ph. 1 Chandigarh for improvement of power supply in the area under Electricity, OP Sub Division no 5 Chandigarh	-	0.22	-
7	Replacement of existing old outlived 80Sqmm ACSR Conductor with 103Sqmm ACSR Conductor & Main and Sub-Main Service wires/Cables in Vikas Nagar, Under Electricity. 'OP' Subdivision No.8, Mani Majra, U.T Chandigarh	-	0.63	-
8	RCE for augmentation of existing 11kV XLPE 3x185 sq.mm./150 sq.mm. cable with 11kV XLPE 3x300 sq.mm. cable of 11kV IT Park feeder emanating from 66kV G/Sub-station IT Park, Mani Majra, Chandigarh (DRG-590) (IBM SCHEME No. W1/18/16430)	-	0.02	-
9	Augmentation for existing 11kV 3x185 sq.mm. cable with 11kV XLPE 3x300 sq.mm. cable of 11 kV Mouli complex feeder and 11kV Mouli feeder emanating from 66kV G/Sub-station Mani Majra under jurisdiction of Electricity OP Subdivision no.-8, UT, Chandigarh (DRG-589) (IBM Scheme No.- W1/18/16404)	-	0.05	-
10	Providing 2X315kVA P/M T/F near H. No. 5395 & H. No. 5371 MHC Mani Majra for deloading the existing 2x200 P/M T/F near # 5313 and #5408 and augmentation existing LT 3.5cx185	-	0.20	-

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	sq.mm. cable with LT 3.5x400 sq.mm. cable in MHC Mani Majra to improve the LD system under the jurisdiction of Electricity Op Subdivision no.-8, UT, Chandigarh (DRG-582)			
11	Augmentation of existing 5x200 kVA P/M T/F with 5x315 kVA P/M T/F and deloading the existing 300/200 kVAR/M T/Fs by providing 5X200 kVA T/Fs t at various sites of MHC, shastri and MHC feeder for the improvement of HT/LT System jurisdiction of Electricity OP Subdivision No.8, Mani Majra, UT Chandigarh (DRG-662)	-	0.34	-
12	Shifting of 11 kV O/H Shastri feeder & 100 kVA P/M Sub-station due to construction of new proposed Govt. Collage at pocket no.9, Mani Majra, under Electricity OP Subdivision (DRG-660) No.8, Mani Majra, Chandigarh	-	0.05	-
13	Replacement & Augmentation of existing old outlived & defective 11 kV & LT OCBS of 11 kV I/D Substations. Under Electricity OP Subdivision No.8, UT Chandigarh (DRG-631)	-	-	0.58
14	Electrification of outside Lal Dora for release of individual connection of Shastri Nagar under the jurisdiction of Electricity OP Subdivision No.8, UT, Chandigarh. (DRG-644)	-	0.15	-
15	Replacement of 15 year with new SML Prestige 3335mm old Swaraj Mazda CH01G1-1072 dual cabin BSIV (6+1) seats vehicle under Electricity OP Subdivision No. 8 Mani Majra Chandigarh	-	0.16	-
16	Augmentation of existing 11 kV O/H line 80Sqmm ACSR Conductor with 103 Sq.mm. 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 Industrial Area Ph.-III, Raipur Kalan, under the jurisdiction of Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh. (DRG-680)	-	0.14	-
17	Replacement/augmentation of existing 80Sqmm ACSR O/H lines with 103 sq.mm. ACSR conductor and 3CX300 Sq.mm 11kV XLPE U/G cable of Mauli & Mauli Complex feeder, under the jurisdiction of Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh	-	0.15	-
18	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 300 kVA T/F Maru wala and 200kVA T/F Welding Wala Under Electricity. OP Subdivision No.8, UT Chandigarh	-	0.31	-
19	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, Mani Majra, under Electricity 'OP' Subdivision No.8, Mani Majra, U.T., Chandigarh.	-	0.07	-
20	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 Mani Majra Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.32
21	Augmentation of 100/200 kVA T/Fs with 3x315 kVA P/M T/Fs and replacement of existing outlived 80 Sq. mm. & 8 No. ACSR conductor with 103 Sq.mm. ACSR Conductor- Village Kishangarh/ Bhagwanpura, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.33
22	Augmentation of 3x200 kVA T/Fs with 3x315 kVA P/M T/Fs and additional 1x315 kVA P/M T/F near H. No. 270 Indra Colony, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.31
23	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	-	-	0.17

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	T/F Mani Majra Under Electricity. OP Subdivision No.8, UT Chandigarh			
24	Providing 315 kVA P/M T/F Near H. No. 6191 duplex Mani Majra to deloading the existing the 300 kVA P/M T/F near H.No.-6026 at duplex Mani Majra, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.08
25	Augmentation of existing 11 kV XLPE 3x150 sq.mm. cable with 300 sq.mm. of Indira colony feeder emanating from 66 kV Grid IT Park Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.11
26	Augmentation of existing 11 kV XLPE 3x150 sq.mm. cable with 300mm ² of new town feeder emanating from 66 kV Grid IT Park Under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.11
27	Replacement of outlived existing HT/LT line 80/103 Sq.mm. ACSR Conductor with 103 Sq.mm ACSR Conductor of New City Feeder Mani Majra, Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.25
28	Replacement of outlived existing HT line 30/80 Sq.mm. ACSR Conductor with 103 Sq.mm ACSR Conductor of AWHO Feeder Mani Majra, Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.25
29	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 Mani Majra, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.19
30	Strengthening of distribution system by Augmentation of outlived 80 Sq.mm ACSR & 8 No. Conductor with 103 Sq.mm ACSR conductor and outlived existing LT Cables and consumer services with new cables in the area of main bazar, Gobindpra, Nagla & Balmiki Mohalla MM, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.32
31	RCE for replacement of 11 kV O/H line by providing U/G 3Cx300 Sq.mm. 11 kV XLPE Cable of 11 kV Kalka Feeder emanating from 66 kV Grid Sub-station BBMB, under Electricity OP Subdivision No. 8 Mani Majra Chandigarh	-	-	0.84
	Division 3			
1	Providing 5x315 kVA P/M S/Station near #1201,1131 & 1394, Sec-33C and #1577, 1683 Sec-33D for improvement of LD System under Subdivision No. 7, Chandigarh	-	0.25	-
2	Replacement of 11kV 3x300 sq.mm. damaged XLPE UG cable from 66 kV GSS BBMB to I.T.I sector 28 Chandigarh under Electricity OP Subdivision no 6 Chandigarh	-	0.25	-
3	Replacement of old outlived service wire and cable and Augmentation of ACSR 8/6 No with ACSR 103 sq.mm. in sector 20 under Electricity OP Subdivision no 6 Chandigarh	-	0.10	-
4	Replacement and Augmentation of existing 11 kV XLPE 3x150 sq.mm. U/G Cable with 11 kV XLPE 3x300 sq.mm. cable of 11kV sector 30 feeders from 66 kV phase 1 to centra mall light point I/A Phase 1 under Electricity OP Subdivision no 6 Chandigarh	-	0.30	-
5	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' Subdivision. No 6, Sec.20C, Chandigarh	0.30	-	-
6	Existing 11 kV O/H link between I/D Sub-station Sec.36-B to C, Sec.36-B to A and Sec.36-A to D with 300 sq.mm. 11 kV U/G cable due to thickly grown-up trees to avoid unwanted breakdowns under Electricity OP Subdivision.No.7, Chandigarh	-	0.10	-
7	Replacement of existing 11 kV O/H link Sec.35-A to Sec.35-D & beside V-4 Road Sec.35 with 300 sq.mm. 11 kV U/G cable due to thickly grown-up trees to avoid unwanted breakdowns under Electricity OP Subdivision.No.7, Chandigarh	-	-	0.25

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
8	Providing replacement & augmentation of existing LT O/H overheated / burnt / old outlived ACSR conductor of various size viz. A viz. 30/80/103 sq.mm. to 153 sq.mm. ACSR conductor of Sector 35 under Electricity OP Subdivision.No.7, Chandigarh	-	0.15	-
9	Providing 11 kV U/G independent feeder from 66 kV Sector 34 to 11 kV I/D Sub-stationSec.36-B Chandigarh Under Electricity OP Subdivision.No.7, Chandigarh	-	-	0.25
10	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 Sub-stationSec.36 U.T., Chandigarh	-	-	0.80
11	Replacement of existing old overheated and defective LT and HT breakers with new LT ACB and HT VCB of 11kV I/D S/Station sector 20 &30 under Electricity OP Subdivision no 6 Chandigarh	-	0.40	-
12	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 Subdivision no 6 Chandigarh	-	0.30	-
13	Providing DG set in 66kV GSS Sector 32 under the jurisdiction of under Electricity OP Subdivision no 6 Chandigarh	0.10	-	-
14	Independent 11kV feeder from 66kV sector 34 to 11kV I/D S/Station Sector 20A under Electricity OP Subdivision no 6 Chandigarh	-	0.20	-
15	Replacement and augmentation of existing LT overhead burnt/ overheated ACSR conductor (30/80 sq.mm. to 153 sq.mm. 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.	0.10	-	-
16	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 Sub-stationSec.37-A, U.T., Chandigarh	-	-	0.40
17	Providing 11 kV U/G 300 sq.mm. XLPE Cable to form Ring main to the existing P/M T/F's of Sec.33-A & B in case failure of existing 11 kV U/G radial feeder under Electricity OP Sub Division.No.7, Chandigarh	-	0.20	-
18	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 sq.mm. in Sector 30 under the jurisdiction of under Electricity OP Subdivision no 6 Chandigarh	0.20	-	-
19	Replacement of condemned Tata Truckno CH01-G-6131` with new vehicle under Electricity Op Subdivision no 6 Chandigarh	0.07	-	-
20	Replacement of condemned Boom Leader CH01-G-1754` with new vehicle under Electricity Op Subdivision no 6 Chandigarh	0.07	-	-
21	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.	-	0.10	-
22	Providing 11 kV independent feeder from proposed 66 kV Sec.37 to 11 kV I/D Sub-stationSec.37-A Chandigarh Under Electricity. OP Sub Division.No.7, Chandigarh.	-	-	0.20
23	Providing 1x630 kVA CSS Sub-stationSec.35-achandigarh To deload the existing P/M T/F's for the improvement of LD System in Sec.35-A under Electricity. OP Sub Division.No.7, Chandigarh	-	-	0.20
24	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 Electricity 'OP'S/Div. No-3, UT, Chandigarh	-	-	0.30

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
25	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 Sub-station Sec.19/B & 28-B Chandigarh under Electricity 'OP' Subdivision. No.3, Sec.18, Chandigarh	0.30	-	-
26	Replacement of existing old overheated and defective LT and HT breakers with new LT ACB and HT VCB of 11kV I/D S/Station. Sector 32&46 under Electricity OP Subdivision no 6 Chandigarh	-	0.50	-
27	Providing 5x315 kVA P/M T/F at sector 46 for deloading of Existing Transformers under Electricity 'OP' Subdivision. No 6, Sec.20C, Chandigarh	-	-	0.20
28	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 Sub-stationSec.37-D, U.T., Chandigarh	-	-	0.30
29	Providing 11 kV Independent U/G feeder from 66 kV Sub-stationSec.34 to 11 kV I/D Sub-stationSec.33-D, Chandigarh under Electricity. OP Sub Division.No.7, Chandigarh.	-	0.10	-
30	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 Sub-stationSec.34-D, U.T., Chandigarh	-	-	0.40
31	Providing 1x630 kVA CSS Sub-stationSec.33C Chandigarh to deload the existing P/M T/F's for the improvement of LD System in Sec.33-C under Electricity. OP Sub Division.No.7, Chandigarh	-	-	0.15
32	Replacement and augmentation of existing 11kV U/G 3x150 sq.mm. 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 3x300 sq.mm. XLPE cable for improvement of LD System under Electricity. 'OP' Subdivision. No.-3, UT, Chandigarh	-	-	0.15
33	Replacement and augmentation of existing old, outlived and defective 11 kV & L.T. OCBS of 11kV I/D Sub-station Sector 28B and 28C & 28D under jurisdiction of Electricity 'OP' Subdivision No 3, Sector-18A, Chandigarh	-	-	0.30
34	Replacement and augmentation of existing old, outlived and defective 11 kV & L.T. OCBS of 11kV I/D Sub-station Sector 18A ,18B, 18C &18D under jurisdiction of Electricity 'OP' Subdivision No 3, Sector-18A, Chandigarh	-	-	1.05
35	Providing 11kV independent underground feeder to Sector-21D, Chandigarh from 66kV Grid S/Station Sector-34 for improvement of LD System under Electricity OP Sub Division No. 3 UT Chandigarh.	-	0.25	-
36	Providing 3x315 kVA P/M T/F at sector 49 for deloading of Existing Transformers under Electricity 'OP' Subdivision. No 6, Sec.20C, Chandigarh	0.20	-	-
37	Replacement and Augmentation of existing 11kV XLPE 3x150 sq.mm. U/G Cable with 11kV XLPE 3x300 sq.mm. 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	-	0.20	-
38	Providing 1000 kVA 04 Nos. CSS in commercial belt Sector 35-B & C under Electricity. OP Subdivision.No.7, Chandigarh	-	-	0.30
39	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 Sub-stationSec.34-C, U.T., Chandigarh.	-	-	0.25
40	Providing 11 kV independent underground feeder to commercial belt Sector 35-B & C from 66 kV Sector 34,	-	-	0.10

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	Chandigarh under Electricity OP Subdivision.No.7, Chandigarh			
	Division 4			
1	GSC OP 9	0.35	0.36	0.37
2	GSC OP 10	0.35	0.36	0.37
3	Replacement of old obsolete damaged and outdated LT panela installed in 11 kVI/D, S/station, Sector 41-A, Chandigarh under Jurisdiction of Electricity Op Subdivision. No. 9, Chandigarh. W1/2015/13744	0.06	-	-
4	Replacement of burnt/outlived / damaged ACSR of LT lines with 103 sq.mm. conductor and mains and sub-mains of village Maloya and Dadu Majra for Improvement of voltage condition under Electricity 'OP' Subdivision. No.10 Sector-40B, Chandigarh.	-	0.60	-
5	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 Electricity 'OP' Subdivision. No.10 Sector-40B, Chandigarh.	0.50	-	-
6	Providing 11 kV additional feeder to Sector 43 from 66kV Grid S/Station Sec- 52 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh	-	0.30	-
7	Augmentation of ACSR 30 sq.mm. of 11 kV Sector 45A feeder with ACSR 80 sq.mm. under Electricity Operation Subdivision No. 9, UT, Chandigarh.	-	-	0.25
8	RCE for augmentation HT cable of 11kV 43 Underground and 11 kV 43 Overhead feeders emanating from 66 kV Grid Substation Sector 52 from 3x150/185 sq.mm. to 3x300 sq.mm. XLPE cable and Augmentation of HT and LT ACSR of different sizes with ACSR 80 sq.mm. at different locations in Sector 43 for the improvement of LD system under Electricity Operation Subdivision No. 9, Sector 43, Chandigarh.	-	-	0.45
9	Augmentation HT cable of 11 kV 44D Underground feeder (Size of cable 3x150 sq.mm.) 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 30 sq.mm.) with 11 kV 3X300 sq.mm. 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.	-	-	0.75
10	Providing Additional 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	-
11	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, Electricity. OP, Subdivision. No. 9, Chandigarh.	-	-	0.12
12	Replacement of outlived, overheated, burnt and damaged outgoing service cables of different sizes and at different locations in Burail under the control of SDO, Electricity. OP, Subdivision. No. 9, Chandigarh.	-	-	0.14
13	Providing independent 11 kV U/G feeder for Sec- 41B from 66kV Grid Substation., Sector 34 under the control of SDO, Electricity, OP, Subdivision. No. 9, Chandigarh.	-	-	0.45
14	Replacement of outlived, overheated, burnt, overheated LT ACSR 0.75 sq inch with ACSR 0.1 sq inch of Sector 45 at different locations for the improvement of LD system under SDO, Electricity. OP Subdivision. No. 9, Chandigarh.	-	-	0.35
15	Detail estimate for strengthening the indoor Sub-stationSector 38 &39, Chandigarh by replacing the burnt /overheated/ outlived and defective/obsolete existing LT OCB /LT ACB with new LT ACB's under the Electricity. OP Subdivision. No. 10, sec-40, Chandigarh.	-	-	0.60
16	Providing 5x315 P/M T/F S-38 Chandigarh for deloading the existing P/M I/D S/Station for improvement of LD system	-	-	0.30

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	under Electricity OP Subdivision No. 10, Sec-40 B, Chandigarh.			
17	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 Electricity 'OP' Subdivision no 10 Sector 40 Chandigarh	-	-	0.22
18	Providing 02 Nos. 315 kVA distribution transformer for deloading the existing transformer and improvement of LD system in Village Dadumajra, Chandigarh under the jurisdiction of Electricity 'OP' Subdivision. No. 10, Sec-40B, Chandigarh.	-	-	0.17
19	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 Electricity 'OP' Subdivision. No.10 Sector-40B, Chandigarh.	-	-	0.50
20	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.	-	0.25	-
21	Strengthening the indoor Station 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 Electricity OP /Division No. 10, Sec-40 B, Chandigarh.	-	-	0.70
22	Providing independent 11 kV feeder for Sector-40B, I/D Substation from 66 kV G/Substation Sector-56, Chandigarh under Subdivision. No. 10, Chandigarh (No.12728-29 dated 29.10.20) W1/2020/19173	-	0.50	-
23	100 kVA T/f on the plinth with 315 kVA on the plinth of near Govt. High School for release of electricity connection of sport infrastructure and improve the LD system sec-56, Chandigarh.	-	0.06	-
24	Providing individual electricity connections to the residents outside Lal Dora of Milk Colony, Maloya and Shahpur Colony under Electricity OP Sub Division No. 10, Chandigarh	-	0.35	-
25	Replacement and augmentation of existing 3x185 sq.mm. cable of 11kV U/G Sector-42 feeder from 66kV G/Sub-stationSector 52 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh.	-	-	0.30
26	Up gradation of 11 kV I/D Sub Stations by replacement & Augmentation of existing old, outlived and defective 11 kV & L.T cbs in I/D Sub-stationSector 41A& 42-C under Electricity. 'OP'S/D No 9, Sector-43, Chandigarh.	-	-	0.55
27	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh.	-	-	0.70
28	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh	0.08	-	-
29	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 Electricity 'OP' S/ Division no.-9, Chandigarh.	-	-	0.70
30	Replacement of old, worn out ACSR conductor and LT cables in Village Palsora, Buterla and Badheri for improvement of LD system under Electricity 'OP' S/ Division no.-9, Chandigarh.	-	-	0.45
31	Augmentation of old and outlived existing 750/800 kVA T/Fs with 1000 kVA T/Fs in various 11 kV indoor Sub Stations for	-	-	1.80

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	improvement of LD system under Electricity 'OP' S/ Division no.-9, Chandigarh.			
32	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 Sub-station Sector 44-A, B, D under Electricity. 'OP'S/D No 9, Sector-43, Chandigarh	-	-	1.20
33	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/Station Sector 45C & 43-B under Electricity. 'OP'S/D No. 9, Sector-43, Chandigarh	-	-	0.55
34	Replacement of old outlived ACSR conductor with 103Sq.mm alongwith replacement of Service Cables in village Burail under Electricity OP Sub Division No.9, Sec-43, Chandigarh.	-	0.50	-
35	Replacement and augmentation of existing 3x185 sq.mm. cable of 11kV U/G Burail feeder from 66kV G/Sub-station Sector 32 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh	-	0.35	-
36	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh	-	0.35	-
37	Providing 2x630kVA Packaged Sub Stations in village Burail in place of existing 750kVA Cabin Sub Station under Electricity OP Subdivision. No.9, Sec-43, Chandigarh.	-	-	0.65
38	Replacement and augmentation of existing 3x185 sq.mm. XLPE cable of 11kV Sector-51 old feeder from 66kV G/Sub-station Sector 52 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh.	-	0.08	-
39	Estimate for Replacement and augmentation of existing 3x150 sq.mm. XLPE cable of 11kV Progressive feeder from 66 kV Grid Sub-station Sector 47 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh.	-	0.35	-
40	Providing 11 kV underground independent feeder de-load the existing 11kV feeder for Sector-51 for the improvement of LD system under the control of the Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh.	-	0.45	-
41	Replacement of existing LT (jungle) fuse unit with LT ACB as well as LT Shunt Capacitor on 300/315 kVA T/F under Electricity. 'OP' Division. No.4 Chandigarh.	-	0.35	-
42	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh	-	-	0.45
43	Providing 6x315 kVA P/M T/F at various sites in Sector-44, for improvement of LD system Chandigarh Under Electricity 'OP' Subdivision. No.9, Sec-43, Chandigarh	-	0.40	-
	Total (11kV and below)	6.43	21.39	39.73
	Total	6.43	25.39	64.73

Summary of capitalisation submitted by the Petitioner

The summary of capitalisation projected by the Petitioner for the 3rd MYT Control Period is as follows:

Table 44: Summary of capitalisation projected by the Petitioner for the 3rd MYT Control Period (Rs. Cr.)

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
Existing Schemes				
1	33 kV and Above	18.66	46.99	-
2	11 kV and Below	31.04	23.47	4.41
	Total (Existing/Spillover Schemes)	49.70	70.46	4.41

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
New Schemes				
1	33 kV and Above	-	4.00	25.00
2	11 kV and Below	6.43	21.39	39.73
	Total (New Schemes)	6.43	25.39	64.73
	GRAND TOTAL (Existing and New Schemes)	56.13	95.85	69.14

Commission's analysis

The Commission notes that the Petitioner has consistently failed to achieve the capital expenditure and capitalisation targets approved by the Commission in the prior MYT Control Periods. As per the provisional data submitted by the Petitioner, the capital expenditure and capitalisation achieved by the Petitioner vis-à-vis the approval of the Commission is given as follows:

Table 45: Capital expenditure and capitalisation achieved by the Petitioner vis-à-vis the approval of the Commission (INR Cr.)

Sl. No.	Scheme Name	FY 19-20	FY 20-21	FY 21-22
1	Capital expenditure approved by the Commission	17.48	25.58	93.30
2	Capitalisation approved by the Commission	46.17	5.15	57.38
3	Capital expenditure achieved by the Petitioner	13.67	66.68	11.96
4	Capitalisation achieved by the Petitioner	5.46	18.08	8.60
5	Excess/(Shortfall) in capital expenditure	(3.81)	41.10	(81.34)
6	Excess/(Shortfall) in capitalisation	(40.71)	12.93	(48.78)

In response to the Commission's query regarding lower capitalization vis-à-vis total capital expenditure incurred during the 2nd MYT Control Period, the Petitioner submitted that COVID-19 pandemic has impacted the progress of existing schemes due to which the Capitalization target could not be achieved. Hence, there is a spillover of schemes to the 3rd MYT Control Period. The Petitioner has further submitted that one new substation named Sarangpur of 66/11 kV and a capacity of 40 MVA is expected to be commissioned in the 3rd MYT Control Period which shall enable the EWEDC to capitalize a major portion of capital expenditure in the 1st quarter of FY 2022-23.

Further, in response to the Commission's query regarding projection of lower capitalization during the 3rd MYT Control Period, the Petitioner submitted that the privatization of EWEDC has made it uncertain for the Petitioner to plan the capital expenditure and necessary works have been planned for future years which are yet to be approved.

In light of the consistent shortfall in achieving the approved capital expenditure and capitalisation, the Commission has only considered the total scheme cost of the existing/spillover schemes up to the scheme cost approved in the Business Plan Order for the 2nd MYT Control Period. In respect of new schemes, the Commission has approved the schemes for which the Petitioner has submitted documentary proof such as Administrative Approvals, Sanction Letters or Detailed Project Reports (DPRs). The Commission has restricted the capital expenditure of few new schemes to the estimated completion cost as submitted by the Petitioner.

Further, considering the actual closing CWIP of INR 51.73 Cr. as per the audited accounts for FY 2019-20, the Commission observes that the closing CWIP of FY 2020-21 increases to INR 82.25 Cr. based on the details of provisional capital expenditure and provisional capitalisation submitted by the Petitioner for FY 2020-21. Further, based on the provisional capital expenditure and provisional capitalisation submitted by the Petitioner for FY 2021-22, the opening CWIP of FY 2022-23 considered by the Commission is INR 85.61 Cr. The Petitioner is directed to reconcile the figures of CWIP for FY 2020-21 and 2021-22 based on audited annual accounts and submit the details

of the same to the Commission within 3 months of the issuance of this Order. Accordingly, the capital expenditure and capitalisation approved by the Commission is shown in the following paras.

Capital expenditure for spillover schemes approved by the Commission

In respect of spillover schemes, the Commission has only considered the total scheme cost of the schemes up to the scheme cost approved in the Business Plan Order for the 2nd MYT Control Period. Accordingly, the capital expenditure for spillover schemes approved by the Commission for the 3rd MYT Control Period is as follows:

Table 46: Details of capital expenditure approved by the Commission for spillover schemes (Rs. Cr.)

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
	33 kV and Above			
	Division 2			
1	Appointment of Project Management agency for Turn key Execution including Supply Erection commission project Management. Design, engineering, inspection for Smart Grid Project under Electricity Sub/Division No. 5 Chandigarh. (IBM No. G1/2016/15114).	3.50	0.05	-
	Division 4			
1	Providing Double Circuit 66 kV U/G Transmission Line by laying Single Core 1000 Sq.mm XLPE Cable from existing 66 kV Tower near Govt. School (New), Sector-12 to the 66 kV Grid Sub-station, Sarangpur (New), Chandigarh along with Construction of 2 Nos. Line associated Bays at 66/11 kV Grid Sub-station, Village - Sarangpur, Chandigarh.	4.37	-	-
2	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, Industrial 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	-	-
3	Providing 2x20 MVA, 66/11 kV Grid Sub/Station at Raipur Kalan, UT, Chandigarh	0.20	-	-
4	Up-gradation of Transformation capacity at 66/11 kV Sub-station 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 Sub-station at Civil Secretariat Sec- 1 & Sec- 12, Chandigarh.	0.50	-	-
	Total (33 kV and Above)	9.38	0.05	-
	11 kV and Below			
	Division 1			
1	RCE for providing 11kV independent u/g feeder from forthcoming 66 kV sector 34 i/d Sub-station. Sector 24-c to providing Uninterrupted power supply to judges houses of sector 24 & to residents of sector 23, chandigarh (IBM scheme no. W1/2019/18065)	0.47	-	-
2	DNIT for providing 03 nos. 315 kVA p/m Substation. Near #1424, #1181 & #1580, sec 23b, to give relief to the LT o/g to #1482, #1524, #1213 #270, #1560 & #1555, sec 23b & deload 02 nos. I/d T/F 1000 kVA & 8000 kVA at 11 kV i/d Sub-station Sec 23b, chandigarh Under electricity(op) s/division, no.1, chandigarh (t.no. Op1/65/2018-19)	0.05	-	-
3	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 old system (IBM No. W1/2019/18098)	0.01	-	-
4	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 Electricity OP Subdivision No. 2, Chandigarh	3.25	-	-
5	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)	1.24	-	-
	Division 2			
1	GSC OP subdivision No.5	0.12	-	-
2	GSC OP subdivision No.8	0.11	-	-
3	Providing 100 kVA P/M T/F for M-23 T/Well near Village Kishangarh for deloading existing 200 kVA (Near Mangat Farm) under the jurisdiction of Electricity OP Subdivision No.8 Manimajra Chandigarh (IBM No. 2018/17000)	0.02	-	-

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
4	Providing for de-loading the existing 1x300kVA T/F and 1x200 kVA T/F near Police Post Mouli Complex, Mani Majra by providing 315 kVA additional T/F near T/Well No.2 in Mouli Complex and providing additional 315 kVA T/F near H. No. 3024, Mouli Complex for de-loading the existing 300 kVA T/F near H. No. 3240, Mouli Complex, Mani Majra under Electricity OP Subdivision No.-8, M.Majra, U.T. Chandigarh. (IBM No. 2021/19616)	0.07	-	-
5	Deloading the existing 2x315 kVA T/F in front of H. No. 943 & 1492 Vikas Nagar for deloading the existing 500 kVA & 315 kVA P/M T/F's in front of House No. 348 & 385 in Vikas Nagar under Electricity OP Subdivision No.8 M.M. Chandigarh, UT (IBM No. 2021/19402)	0.14	-	-
6	Providing additional 3 Nos. 315 kVA T/F and replacement of existing old outlived ACSR 103 sq.mm. in Sector 29 improvement of LD System under Electricity OP Subdivision No.5(IBM No. 2020/18981)	0.25	-	-
7	Providing additional 4x315 kVA T/F at various sites along with replacement and augmentation of existing outlived conductor of LT Lines in V-Daria for improvement of LD System under jurisdiction of Electricity OP Sub Division No.5 Chandigarh (IBM No. 2020/19140)	0.34	-	-
8	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' Subdivision No. 5, UT Chandigarh. (IBM No. W1/2020/19110)	0.18	-	-
9	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 Electricity 'OP' Subdivision No. 5, UT Chandigarh. (IBM No. W1/2020/19238)	0.27	-	-
10	Providing additional 3x315 kVA 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 Electricity 'OP' Subdivision No.5 UT Chandigarh. (IBM No. W1/2020/18637)	0.03	0.09	-
11	Replacement of full wave controlled battery charger with Battery Bank of DC DB at 66 kV and Substation Manimajra electyop Sub Division No. 8 MM Chandigarh(IBM No. 2018/16390)	0.75	-	-
12	Replacement of existing 220 V battery Bank at 66 kV Grid Sub Station IT Park, Manimajra UT Chandigarh (IBM NO. W1/18/16583)	0.00	-	-
13	Augmentation of existing 11kV 3x185 sq.mm. XLPE cable of Rural Feeder with 11 kV XLPE 3x300 sq.mm. Cable from 66kV Mani Majra to near Masjid and replacement of existing 11 kV O/H line conductor of Rural Feeder with new 103 sq.mm. conductor from Masjid to Govt T/well near Railway Line P.W.T. for improvement of LD/HT system under Electricity OP. Subdivision No.8, Mani Majra, Chandigarh. (IBM No. 2021/19370)	0.30	-	-
14	Providing additional 2x315 kVA P/M T/F and replacement of existing old/outlived/burnt ACSR with ACSR 103 mm.sq in Village Hallomajra for improvement of LD system under Electricity 'OP' Subdivision No.5, Industrial Area, Ph-I UT Chandigarh. Tender No. OP2/13/2019-20 (IBM No. 2018/17002)	0.05	-	-
15	Providing additional 315 kVA P/M T/F and replacement of existing old/outlived/burnt ACSR with ACSR 103 sq.mm. in Village Behlana for improvement of LD system under Electricity 'OP' Subdivision No.5, Industrial Area, Ph-I UT Chandigarh. Tender No. OP2/12/2019-20 (IBM No. 2018/16897)	0.04	-	-
16	DRG-733 DNIT for providing 100 kVA P/M T/F to release SOP connection to newly build Tube well at Village Raipur Khurd (near STP Gate) under the Electricity. 'OP' Subdivision No.5, I/A, U.T., Chandigarh. (W1/18/17003)	-	0.02	-
17	Replacement of existing old/outlived/burnt ACSR with ACSR 103 sq.mm. in Ram Darbar, Phase-I & II for improvement of LD System under electricity 'op' S/ Division No-5, Industrial Area, Ph-I, U.T. Chandigarh (IBM No. W1/2020/19162)	0.25	-	-
18	DRG-27 - Replacement of old and outlived Main and Sub main Service Wire in Sector 29 B, Chandigarh for improvement of LD system under Electricity. OP Sub Division No. 5, UT Chandigarh. (IBM No. -2021/20163)	0.52	-	-
19	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 Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh. (DRG No. 618) (IBM No. 2021/19742)	0.61	-	-

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
20	11kV O/H line of New Town feeder part of village Kishangarh and Bhagwanpura with U/G 11XLPE 3Cx300 sq.mm. Cable for improvement of LT/HT System, Under Electricity OP Subdivision No.8, UT Chandigarh (DRG- 683) (IBM No.2021/19773)	0.46	-	-
21	Providing additional 11kV U/G Cable with 3CX300 sq.mm. 11kV XLPE Cable for the village Kishangarh and Bhagwanpura form 66kV Grid Sub-station IT Park, under jurisdiction of Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh. (IBM No. 2017/17005)	-	0.26	-
22	Conversion of a part of Rural feeder into underground feeder for Ayush Hospital and Educational Institution, Mani Majra. (IBM No. 2021/19350)	0.12	-	-
	Division 3			
1	Providing 3x315 kVA P/M station Near # 2401,2736 and 2780, Sector 37-C to give relief to the existing 1x200 and 1x300 kVA P/M T/Fs and 2x1000 kVA I/D T/Fs in 11 kV I/D Substation, Sector 37-C, Chandigarh. (W1/2015/13818)	0.01	-	-
2	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 Electricity 'OP' subdivision No.3, Sector 18, Chandigarh. (IBM No. W1/2016/14865)	0.30	-	-
3	Rough Cost Estimate for providing 3x315 kVA P/M T/Fs near house no. 257 backside Sector 37 A, House No. 1411 Sector 37 B and near booth no. 115, Sector 37C for improvement of LD System under the control of Electricity OP Subdivision No. 7, Sector 35 B Chandigarh.	0.15	0.07	-
4	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 subdivision No.7, Chandigarh. W1/2019/17745	0.20	0.78	-
5	Providing 11 kV U/G independent feeder from 66 kV grid substation Sector 34 to 11 kV I/D Substation., 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 Subdivision No.7, Sector 35, Chandigarh.	0.30	-	-
6	Up gradation of 11 kV indoor Substation by replacement and augmentation of existing old outlived and defective 11 kV and LT OCBS and T/Fs in indoor Sub-station in Sector 27 B, 27-C and 27-D under Electricity OP subdivision No.3, Chandigarh. W1/2019/17749	-	1.00	0.76
7	RCE for providing 11 kV independent underground feeder from 66 kV G/Substation., Sector 34 to 11 kV indoor Sub-station Sector 34 A, Chandigarh. W1/2019/17807	0.27	-	-
8	RCE for replacement & augmentation of existing old, outlived and defective 11kV & LT OCBS of 11kV & LT OCBS of 11kV I/D Sub-station Sec.21C & 21A under Electricity OP subdivision No.3, Sec.18A, Chandigarh.	0.20	0.60	0.34
9	RCE for up gradation of 11kV I/D Sub-station by replacement & augmentation of existing old, outlived and defective 11kV & LT OCBSs and transformers in I/D Sub-station Sec.19A, 19B, 19C & 19D under Electricity OP subdivision No.3, Sec.18A, Chandigarh.	0.20	0.51	0.80
10	RCE for providing 11kV independent U/G feeder from 66kV G/Substation, Sec-34 to 11kV I/D Substation, Sec-33A, Chd	0.22	-	-
11	Replacement of existing 11 kV O/H line of U/G bajwara, O/H Bajwara feeder & southern-II feeder with 11 kV 3x300 sq.mm. U/G cable in Sec.28, Chandigarh and augmentation of existing 11 kV 3x185mm 2 XLPE U/G cable with 11 kV 3x300 sq.mm. XLPE cable of 11 kV BBMB feeder from 66 kV BBMB I/A Ph-1 upto I/D substation Sec.28-B, Chandigarh For improvement of LD system under Electricity OP subdivision No.3, Chandigarh	0.70	0.30	-
12	RCE for providing 11 kV independent underground feeder to 11 kV I/D Substation, Sec-19A & 19C, Chandigarh from 66kV G/Substation, Sec-34 for improvement of LD System under Electricity 'OP' Subdivision No.3, Chandigarh (IBM Scheme No. W1/2020/19017)	1.44	-	-
13	RCE for replacement and augmentation of existing 11 kV U/G 3x150 sq.mm. XLPE cable of 11 kV 21C feeder from 33 kV G/Substation, Sec-34 with underground 3x300 sq.mm. XLPE cable for improvement of LD System under Electricity 'OP' Subdivision No. 3, Chandigarh	0.35	-	-
	Division 4			
1	RCE for Purchase of Spare 315 kVA DT (3Nos.) T/F and 1000 kVA DT (1No.) T/F under Electricity (OP) subdivision No. 9, Chandigarh	-	0.10	-
2	Providing individual electricity connections to the residents of outside Lal Dora of Adharsh colony, Sector 54, Chandigarh.	0.13	-	-

Sl. No.	Name of scheme	Spillover Schemes (INR Cr.)		
		FY 2022-23	FY 2023-24	FY 2024-25
3	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 Electricity (OP) subdivision No. 10, Sec-40B, Chandigarh	0.08	-	-
4	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 Electricity (OP) subdivision no. 10, Sector-40B Chandigarh.	0.17	-	-
5	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 Electricity 'OP' Subdivision No.10, Sector-40B, Chandigarh.	0.09	-	-
	Total (11 kV and Below)	14.47	3.74	1.90
	Total Spillover Schemes	23.85	3.79	1.90

Capital expenditure for new schemes approved by the Commission

The Commission has approved the following capital expenditure for new schemes:

Table 47: Details of capital expenditure approved by the Commission for new schemes (Rs. Cr.)

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	33 kV and Above			
	Division 4			
1	Replacement /augmentation of 3 no. Damaged 66/11kV, 10/12.5 kVA Power Transformer with 20 MVA Power Transformer at 66kV G/Sub-stationSec-1, BBMB & I/A-Ph-II, Chandigarh.	2.00	2.00	-
2	Providing 66kV transmission line to upcoming 66kV Grid/Sub/Station Alongwith associated 66kV line bays at Raipur Kalan, UT, Chandigarh.	-	8.00	5.00
3	Conversion of 66kV Single circuit to D/C T/L and U/G cable from 220 kVA GSS Kishangarh to 66kV Sub-stationSec-12 UT Chandigarh to D/C T/L	2.00	5.00	5.00
	Total (33 kV and above)	4.00	15.00	10.00
	11kV and below			
	Division 1			
1	GSC subdivision No.1	0.32	0.36	0.37
2	GSC, electricity Sub division No.2	0.35	0.36	0.37
3	GSC sub division No.4	0.42	0.36	0.37
4	Strengthen the Distribution System after Replacement & Augmentation of 11kV U/G PILC 3x185/120/70 sq.mm link or feeder cable with 3x300 sq.mm XLPE cable in Sector-9 & 10 under Electricity OP Subdivision. No.2, UT, Chandigarh. (No.11013-14 dated 7.6.16) W1/2016/14189	0.30	-	-
5	Supply, delivering testing and commissioning of full wave battery charger alongwith battery bank at DC DB at 66 kV Grid Sub-station Sector 52, Chandigarh (A & A No. 14917 dated 18.08.17)	0.08	-	-
6	Supply, Delivery, Testing, Installation and Commissioning of 220 V, 100 AH VRLA Battery along with 220 V, 50 A Full Wave FCBC to replace the existing Battery Bank and Battery Charger installed at 66 kV Grid Substation, Sec 39, Chandigarh	-	0.06	-
7	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 Electricity 'OP' Sub/Division. No.1, Sec. 23D, Chandigarh.	-	0.25	-
8	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 Substation in Sec 7A, 7B & 7C Chandigarh, for modernization of Sub Station	-	1.50	-

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
9	Providing LT ACB as well as LT Shunt Capacitor on 315/300 kVA P/M T/F under the jurisdiction of Electricity 'OP' Subdivision. No. 4, Chandigarh (A & A No. 14140 dt. 16.08.19)	0.30	-	-
10	Replacement & augmentation of 11 kV U/G PILC 3x95/120 sq. mm Governor house feeder cable and its concerned 2x120 sq. mm PILC link cables with 3x300 sq. Mm XLPE cable under Electricity OP subdivision. No. 2, UT, Chandigarh. (A&A No. 14900 dated 29.08.19)	0.70	-	-
11	Providing 3x300 sq. mm XLPE cable from 66 kV G/Sub-station New Sarangpur to Rural feeder for deloading & 66 kV Grid Sub-station Sector - 12, Chandigarh. (A&A No. 9544 dated 12.06.2019)	0.05	-	-
12	Replacement of 11 kV O/H bare conductor with 11 kV 3X300 Sq. mm XLPE cable/ Aerial Bunched Cable along with improvement and augmentation of LD System in village Kaimbwalla, under Electricity 'OP' Subdivision. No. 2, Chandigarh (A & A No. 8046 dt. 08.05.18)	0.20	0.50	-
13	Replacement & rerouting of 11 kV O/H 15D feeder with 3x300 sq.mm. XLPE U/G cable for improvement of LD system under the jurisdiction of Subdivision- 4, Sec-15, Chandigarh. (IBM No. 2020/18618)	0.20	0.40	-
14	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	1.70	-
15	Providing LT ACB as well as LT Shunt Capacitor on existing 300/315 kVA Pole mounting T/F under the area of jurisdictions of Subdivision. No. 2. (A & A No. 1526 dated 29.01.2020)	0.30	0.40	-
16	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 Sub-station Sector 22-A and shifting of 320 Nos. Single phase meter outside from consumer premises 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	0.35	-
17	Providing New 11 kV feeder from 66 kV Sec-39/ upgrading 33 kV Sec-34 to I/D Sub-station Sec-22C to cater the load of over loading Aroma feeder under the jurisdiction of Electricity 'OP' Sub/Division. No.1, Sec. 23D, Chandigarh.	-	0.45	-
18	Strengthening of distribution system with replacement of existing old / over-heated and defective HT OCBS with new HT VCBS of 11 kV I/D, Sub-station Sector 23-B, Sector 23-C and 23-D, Chandigarh	0.20	0.35	-
19	Strengthening of distribution system with replacement of existing old / over- heated and defective HT OCBS with new HT VCBS of 11 kV I/D, Sub-station 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	0.75
20	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 Electricity 'OP' Subdivision. No. 2, Chandigarh.	-	0.30	-
21	Conversion of 11 kV O/H CPWD Feeder into 11 kV U/G cable of size 300 mm sq. XLPE to reduce the tripping / breakdowns bare minimum under the jurisdiction Electricity 'OP' Subdivision. No. 2, Chandigarh (U.T.)	-	0.20	-
22	Supply of One No. Sky Lift fitted on LCV for the maintenance of Power system of area under complaint center, DPH, Sec-26, under Electricity 'OP' Subdivision No. 2, Chandigarh	-	0.13	-
23	Providing 5x315 kVA P/M S/Station near # 10&382 & 328.Sector 7A and # 1775, 1628, Sector 7 C for improvement of	-	0.20	0.20

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	LD system under AEE, Electricity OP Subdivision.No.2, Chandigarh			
24	Providing 11kV independent underground feeder from 66kV Grid S/Station, I.T Park to 11 kV I/D S/S/Station, Sector-7A, Chandigarh for improvement of L.D system under Sub-Division No 2, Sector 10, Chandigarh.	-	0.65	0.70
25	Providing 11kV independent underground feeder to newly constructed U.T Sectt. Building, Plot No. 7, Sector-9 D from 66kV Grid S/Station, Sector-1 Chandigarh.	0.75	-	-
26	Purchase of Bolero makes official car / vehicle conforming to Bs-VI specifications for field staff AEES/SDOS under the jurisdiction of Electricity 'OP' Division. No. 1, Chandigarh	-	0.30	-
27	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 Electricity. 'OP' Subdivision. No.2, Chandigarh	1.00	1.00	-
28	Providing of RMU and CSS in Parade Ground Sec-17 & providing second 11 kV source from Haryana Secretariat feeder.	-	0.25	-
29	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	-
30	Supply of 1 no. Sky Lift fitted on LCV for maintenance of Power System at Complaint Centre, Sector-17, under Electricity OP Subdivision. No. 4, Sector-15, Chandigarh.	0.23	-	-
31	Replacement / augmentation of 11 kV O/H line of 11 kV PEC feeder with 3 x 300 sq.mm. U/G cable for improvement of LD system under the jurisdiction of Subdivision- 4, Sec-15, Chandigarh.	-	0.30	0.45
32	Replacement of LT OCB with LT ACB in Sec-12, Chandigarh.	-	0.25	0.25
33	Replacement of LT OCB with LT ACB in Sec-14, Chandigarh.	-	0.25	0.25
34	Special repair of 6 MVA, 33/11 kV transformer lying at 33 kV Sub Station, Sector-18, Chandigarh.	-	0.20	-
35	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	0.30
36	Providing 2 Nos. U/G 11 kV feeder from New 66 kV G/Sub-station 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	0.85
37	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	-
38	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/Station Sec 16 B to P/M T/F, H. No. 514, Sec 16 C under the jurisdiction of Electricity 'OP' Sub/Division. No.4, Sec. 15C, Chandigarh.	-	-	0.10
39	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/Station Law College P.U. Sec. 14 to O/H line on Pharmacy Feeder & on Pharmacy feeder Near Swimming Pool Sub-station P.U. & I/D Sub-station Admin Block to P/M T/F Near Gate No. 2 P.U. Sec 14. Under the jurisdiction of Electricity 'OP' Sub/Division. No.4, Sec. 15C, Chandigarh.	-	-	0.15
40	Providing 315 kVA T/F near CRPF Barrier village Sarangpur for improvement of LD system under the jurisdiction of Subdivision- 4, Sec-15, Chandigarh.	-	-	0.15
41	Replacement of outlived Pilca Cable and augmentation of 3x150 sq.mm. Cable with 3 x 300 sq.mm. in Sec-14 & 15, Chandigarh.	-	-	0.25

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
42	Providing 11 kV link between GMSH Sec-16 to 11 kV I/D Substation. Sec-16/B, Chandigarh.	-	-	0.14
43	Replacement of 11 kV OCB with 11 kV VCB at 33 kV G/Sub-station Sec-17, Chandigarh.	-	-	0.65
44	Replacement & Aug. Of 11 kV Cable portion having No. Of joints.	-	-	0.25
45	From Tripole Sec-14 to I/D Sub-station Sec-15/D, Chandigarh.	-	-	0.06
46	Replacement of old and outlived Main and Sub Main Service wires in village- Dhanas and Milk Colony, Dhanas.	-	-	0.15
47	Providing 11 kV Link between I/D Sub-station Sec-15/A to I/D Sub-station Sec-15/B with 3 x300 sq.mm. XLPE Cable.	-	-	0.12
48	Providing 1 x 315 kVA P/M T/F near Govt. T/well	-	-	0.06
49	Providing 2 x 315 kVA T/F near # 2277 Ambedkar Colony and near Public Toilet Village Dhanas.	-	-	0.12
50	Replacement of 11 kV OCB with 11 kV VCB in Sec-12 & Sec-14, Chandigarh.	-	0.60	0.70
51	Replacement of Main Submain Service wire in LIC Flats in Sec-15/D, Chandigarh.	-	0.10	-
52	Strengthening the Indoor Sub-station Sector 17, Chandigarh by replacing the existing LT OCB/ACB with LT ACB's Chandigarh.	-	0.20	0.15
53	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/Station 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 Electricity 'OP' Sub/Division. No.4, Sec. 15C, Chandigarh.	-	0.14	-
Division 2				
1	Supply, Installation, Testing, & Commissioning of CCTV cameras at Sub-Divisional office, Complaint centre & 66kV Grid Substation., under Electricity OP Subdivision No.8, Manimajra, UT, Chandigarh.	-	0.20	-
2	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	-
3	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 Electricity, op subdivision no 5 Chandigarh.	-	0.48	0.20
4	Providing new 11kV U/G feeder for strengthening 11kV supply system in sector-48 Chandigarh under jurisdiction of Electricity OP Subdivision No 5 UT Chandigarh.	-	0.17	0.20
5	Replacement of 11 kV U/G XLPE cable 3x185 sq.mm. of Ram darbar1 feeder with 11kV U/G 3x300 sq.mm. XLPE cable from 66 kV grid sub-station industrial area Ph. 1 Chandigarh for improvement of power supply in the area under Electricity, OP subdivision no 5 Chandigarh	-	0.12	0.08
6	Replacement of 11 kV U/G XLPE cable 3x185 sq.mm. of Ram darbar2 feeder with 11kV U/G 3x300 sq.mm. XLPE cable from 66 kV grid sub-station Ind area Ph. 1 Chandigarh for improvement of power supply in the area under Electricity, OP Sub Division no 5 Chandigarh	-	0.15	0.07
7	Replacement of existing old outlived 80Sqmm ACSR Conductor with 103Sqmm ACSR Conductor & Main and Sub-Main Service wires/Cables in Vikas Nagar, Under Electricity. 'OP' Subdivision No.8, Mani Majra, U.T Chandigarh	-	0.63	-
8	RCE for augmentation of existing 11kV XLPE 3x185 sq.mm./150 sq.mm. cable with 11kV XLPE 3x300 sq.mm. cable of 11kV IT Park feeder emanating from 66kV G/Sub-station IT Park, Mani Majra, Chandigarh (DRG-590) (IBM SCHEME No. W1/18/16430)	-	0.02	-
9	Augmentation for existing 11kV 3x185 sq.mm. cable with 11kV XLPE 3x300 sq.mm. cable of 11 kV Mouli complex feeder and 11kV Mouli feeder emanating from 66kV G/Sub-station Mani	-	0.05	-

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	Majra under jurisdiction of Electricity OP Subdivision no.-8, UT, Chandigarh (DRG-589) (IBM Scheme No.- W1/18/16404)			
10	Providing 2X315kVA P/M T/F near H. No. 5395 & H. No. 5371 MHC Mani Majra for deloading the existing 2x200 P/M T/F near # 5313 and #5408 and augmentation existing LT 3.5cx185 sq.mm. cable with LT 3.5x400 sq.mm. cable in MHC Mani Majra to improve the LD system under the jurisdiction of Electricity Op Subdivision no.-8, UT, Chandigarh (DRG-582)	-	0.19	-
11	Augmentation of existing 5x200 kVA P/M T/F with 5x315 kVA P/M T/F and deloading the existing 300/200 kVAR/M T/Fs by providing 5X200 kVA T/Fs t at various sites of MHC, shastri and MHC feeder for the improvement of HT/LT System jurisdiction of Electricity OP Subdivision No.8, Mani Majra, UT Chandigarh (DRG-662)	-	0.33	-
12	Shifting of 11 kV O/H Shastri feeder & 100 kVA P/M Sub-station due to construction of new proposed Govt. Collage at pocket no.9, Mani Majra, under Electricity OP Subdivision (DRG-660) No.8, Mani Majra, Chandigarh	-	0.05	-
13	Replacement & Augmentation of existing old outlived & defective 11 kV & LT OCBS of 11 kV I/D Substations. Under Electricity OP Subdivision No.8, UT Chandigarh (DRG-631)	-	-	0.58
14	Electrification of outside Lal Dora for release of individual connection of Shastri Nagar under the jurisdiction of Electricity OP Subdivision No.8, UT, Chandigarh. (DRG-644)	-	0.15	-
15	Replacement of 15 year with new SML Prestige 3335mm old Swaraj Mazda CH01G1-1072 dual cabin BSIV (6+1) seats vehicle under Electricity OP Subdivision No. 8 Mani Majra Chandigarh	-	0.16	-
16	Augmentation of existing 11 kV O/H line 80Sqmm ACSR Conductor with 103 Sq.mm. 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 Industrial Area Ph.-III, Raipur Kalan, under the jurisdiction of Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh. (DRG-680)	-	0.14	-
17	Replacement/augmentation of existing 80Sqmm ACSR O/H lines with 103 sq.mm. ACSR conductor and 3CX300 Sq.mm 11kV XLPE U/G cable of Mauli & Mauli Complex feeder, under the jurisdiction of Electricity OP Subdivision No.-8, Mani Majra, U.T. Chandigarh	-	0.15	-
18	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 300 kVA T/F Maru wala and 200kVA T/F Welding Wala Under Electricity. OP Subdivision No.8, UT Chandigarh	-	0.31	-
19	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, Mani Majra, under Electricity 'OP' Subdivision No.8, Mani Majra, U.T., Chandigarh.	-	0.07	-
20	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 Mani Majra Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.32
21	Augmentation of 100/200 kVA T/Fs with 3x315 kVA P/M T/Fs and replacement of existing outlived 80 Sq. mm. & 8 No. ACSR conductor with 103 Sq.mm. ACSR Conductor- Village Kishangarh/ Bhagwanpura, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.33

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
22	Augmentation of 3x200 kVA T/Fs with 3x315 kVA P/M T/Fs and additional 1x315 kVA P/M T/F near H. No. 270 Indra Colony, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.31
23	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 Mani Majra Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.17
24	Providing 315 kVA P/M T/F Near H. No. 6191 duplex Mani Majra to deloading the existing the 300 kVA P/M T/F near H.No.-6026 at duplex Mani Majra, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.08
25	Augmentation of existing 11 kV XLPE 3x150 sq.mm. cable with 300 sq.mm. of Indira colony feeder emanating from 66 kV Grid IT Park Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.11
26	Augmentation of existing 11 kV XLPE 3x150 sq.mm. cable with 300mm ² of new town feeder emanating from 66 kV Grid IT Park Under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.11
27	Replacement of outlived existing HT/LT line 80/103 Sq.mm. ACSR Conductor with 103 Sq.mm ACSR Conductor of New City Feeder Mani Majra, Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.25
28	Replacement of outlived existing HT line 30/80 Sq.mm. ACSR Conductor with 103 Sq.mm ACSR Conductor of AWHO Feeder Mani Majra, Under Electricity. OP Subdivision No.8, UT Chandigarh	-	-	0.25
29	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 Mani Majra, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.19
30	Strengthening of distribution system by Augmentation of outlived 80 Sq.mm ACSR & 8 No. Conductor with 103 Sq.mm ACSR conductor and outlived existing LT Cables and consumer services with new cables in the area of main bazar, Gobindpra, Nagla & Balmiki Mohalla MM, under Electricity OP Subdivision No.8, UT Chandigarh	-	-	0.32
31	RCE for replacement of 11 kV O/H line by providing U/G 3Cx300 Sq.mm. 11 kV XLPE Cable of 11 kV Kalka Feeder emanating from 66 kV Grid Sub-station BBMB, under Electricity OP Subdivision No. 8 Mani Majra Chandigarh	-	-	0.84
Division 3				
1	Providing 5x315 kVA P/M S/Station near #1201,1131 & 1394, Sec-33C and #1577, 1683 Sec-33D for improvement of LD System under Subdivision No. 7, Chandigarh	-	0.25	-
2	Replacement of 11kV 3x300 sq.mm. damaged XLPE UG cable from 66 kV GSS BBMB to I.T.I sector 28 Chandigarh under Electricity OP Subdivision no 6 Chandigarh	-	0.25	-
3	Replacement of old outlived service wire and cable and Augmentation of ACSR 8/6 No with ACSR 103 sq.mm. in sector 20 under Electricity OP Subdivision no 6 Chandigarh	-	0.10	-
4	Replacement and Augmentation of existing 11 kV XLPE 3x150 sq.mm. U/G Cable with 11 kV XLPE 3x300 sq.mm. cable of 11kV sector 30 feeders from 66 kV phase 1 to centra mall light point I/A Phase 1 under Electricity OP Subdivision no 6 Chandigarh	-	0.30	-
5	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' Subdivision. No 6, Sec.20C, Chandigarh	0.30	-	-
6	Existing 11 kV O/H link between I/D Sub-station Sec.36-B to C, Sec.36-B to A and Sec.36-A to D with 300 sq.mm. 11 kV U/G cable due to thickly grown-up trees to avoid unwanted	-	0.10	-

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	breakdowns under Electricity OP Subdivision.No.7, Chandigarh			
7	Replacement of existing 11 kV O/H link Sec.35-A to Sec.35-D & beside V-4 Road Sec.35 with 300 sq.mm. 11 kV U/G cable due to thickly grown-up trees to avoid unwanted breakdowns under Electricity OP Subdivision.No.7, Chandigarh	-	0.15	0.10
8	Providing replacement & augmentation of existing LT O/H overheated / burnt / old outlived ACSR conductor of various size viz. A viz. 30/80/103 sq.mm. to 153 sq.mm. ACSR conductor of Sector 35 under Electricity OP Subdivision.No.7, Chandigarh	-	0.15	-
9	Providing 11 kV U/G independent feeder from 66 kV Sector 34 to 11 kV I/D Sub-station Sec.36-B Chandigarh Under Electricity OP Subdivision.No.7, Chandigarh	-	-	0.25
10	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 Sub-station Sec.36 U.T., Chandigarh	-	-	0.80
11	Replacement of existing old overheated and defective LT and HT breakers with new LT ACB and HT VCB of 11kV I/D S/Station sector 20 & 30 under Electricity OP Subdivision no 6 Chandigarh	-	0.40	-
12	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 Subdivision no 6 Chandigarh	-	0.30	-
13	Providing DG set in 66kV GSS Sector 32 under the jurisdiction of under Electricity OP Subdivision no 6 Chandigarh	0.10	-	-
14	Independent 11kV feeder from 66kV sector 34 to 11kV I/D S/Station Sector 20A under Electricity OP Subdivision no 6 Chandigarh	-	0.20	-
15	Replacement and augmentation of existing LT overhead burnt/ overheated ACSR conductor (30/80 sq.mm. to 153 sq.mm. 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.	0.10	-	-
16	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 Sub-station Sec.37-A, U.T., Chandigarh	-	-	0.40
17	Providing 11 kV U/G 300 sq.mm. XLPE Cable to form Ring main to the existing P/M T/F's of Sec.33-A & B in case failure of existing 11 kV U/G radial feeder under Electricity OP Sub Division.No.7, Chandigarh	-	0.20	-
18	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 sq.mm. in Sector 30 under the jurisdiction of under Electricity OP Subdivision no 6 Chandigarh	-	-	-
19	Replacement of condemned Tata Truckno CH01-G-6131` with new vehicle under Electricity Op Subdivision no 6 Chandigarh	0.07	-	-
20	Replacement of condemned Boom Leader CH01-G-1754` with new vehicle under Electricity Op Subdivision no 6 Chandigarh	0.07	-	-
21	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.	-	0.10	-
22	Providing 11 kV independent feeder from proposed 66 kV Sec.37 to 11 kV I/D Sub-station Sec.37-A Chandigarh Under Electricity. OP Sub Division.No.7, Chandigarh.	-	-	0.20
23	Providing 1x630 kVA CSS Sub-station Sec.35-achandigarh To deload the existing P/M T/F's for the improvement of LD System in Sec.35-A under Electricity. OP Sub Division.No.7, Chandigarh	-	-	0.20

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
24	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 Electricity 'OP'S/Div. No-3, UT, Chandigarh	-	-	0.30
25	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 Sub-station Sec.19/B & 28-B Chandigarh under Electricity 'OP' Subdivision. No.3, Sec.18, Chandigarh	0.30	-	-
26	Replacement of existing old overheated and defective LT and HT breakers with new LT ACB and HT VCB of 11kV I/D S/Station. Sector 32&46 under Electricity OP Subdivision no 6 Chandigarh	-	0.50	-
27	Providing 5x315 kVA P/M T/F at sector 46 for deloading of Existing Transformers under Electricity 'OP' Subdivision. No 6, Sec.20C, Chandigarh	-	-	0.20
28	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 Sub-stationSec.37-D, U.T., Chandigarh	-	-	0.30
29	Providing 11 kV Independent U/G feeder from 66 kV Sub-stationSec.34 to 11 kV I/D Sub-stationSec.33-D, Chandigarh under Electricity. OP Sub Division.No.7, Chandigarh.	-	0.10	-
30	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 Sub-stationSec.34-D, U.T., Chandigarh	-	-	0.40
31	Providing 1x630 kVA CSS Sub-stationSec.33C Chandigarh to deload the existing P/M T/F's for the improvement of LD System in Sec.33-C under Electricity. OP Sub Division.No.7, Chandigarh	-	-	0.15
32	Replacement and augmentation of existing 11kV U/G 3x150 sq.mm. 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 3x300 sq.mm. XLPE cable for improvement of LD System under Electricity. 'OP' Subdivision. No.-3, UT, Chandigarh	-	-	0.15
33	Replacement and augmentation of existing old, outlived and defective 11 kV & L.T. OCBS of 11kV I/D Sub-station Sector 28B and 28C & 28D under jurisdiction of Electricity 'OP' Subdivision No 3, Sector-18A, Chandigarh	-	-	0.30
34	Replacement and augmentation of existing old, outlived and defective 11 kV & L.T. OCBS of 11kV I/D Sub-station Sector 18A ,18B, 18C &18D under jurisdiction of Electricity 'OP' Subdivision No 3, Sector-18A, Chandigarh	-	0.25	0.80
35	Providing 11kV independent underground feeder to Sector-21D, Chandigarh from 66kV Grid S/Station Sector-34 for improvement of LD System under Electricity OP Sub Division No. 3 UT Chandigarh.	-	0.25	-
36	Providing 3x315 kVA P/M T/F at sector 49 for deloading of Existing Transformers under Electricity 'OP' Subdivision. No 6, Sec.20C, Chandigarh	-	-	-
37	Replacement and Augmentation of existing 11kV XLPE 3x150 sq.mm. U/G Cable with 11kV XLPE 3x300 sq.mm. 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	-	0.20	-
38	Providing 1000 kVA 04 Nos. CSS in commercial belt Sector 35-B & C under Electricity. OP Subdivision.No.7, Chandigarh	-	-	0.30

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
39	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 Sub-station Sec.34-C, U.T., Chandigarh.	-	-	0.25
40	Providing 11 kV independent underground feeder to commercial belt Sector 35-B & C from 66 kV Sector 34, Chandigarh under Electricity OP Subdivision.No.7, Chandigarh	-	-	0.10
Division 4				
1	GSC OP 9	0.35	0.36	0.37
2	GSC OP 10	0.35	0.36	0.37
3	Replacement of old obsolete damaged and outdated LT panela installed in 11 kVI/D, S/station, Sector 41-A, Chandigarh under Jurisdiction of Electricity Op Subdivision. No. 9, Chandigarh. W1/2015/13744	0.06	-	-
4	Replacement of burnt/outlived / damaged ACSR of LT lines with 103 sq.mm. conductor and mains and sub-mains of village Maloya and Dadu Majra for Improvement of voltage condition under Electricity 'OP' Subdivision. No.10 Sector-40B, Chandigarh.	0.20	0.40	-
5	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 Electricity 'OP' Subdivision. No.10 Sector-40B, Chandigarh.	0.50	-	-
6	Providing 11 kV additional feeder to Sector 43 from 66kV Grid S/Station Sec- 52 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh	-	0.30	-
7	Augmentation of ACSR 30 sq.mm. of 11 kV Sector 45A feeder with ACSR 80 sq.mm. under Electricity Operation Subdivision No. 9, UT, Chandigarh.	-	0.10	0.15
8	RCE for augmentation HT cable of 11kV 43 Underground and 11 kV 43 Overhead feeders emanating from 66 kV Grid Substation Sector 52 from 3x150/185 sq.mm. to 3x300 sq.mm. XLPE cable and Augmentation of HT and LT ACSR of different sizes with ACSR 80 sq.mm. at different locations in Sector 43 for the improvement of LD system under Electricity Operation Subdivision No. 9, Sector 43, Chandigarh.	-	0.20	0.25
9	Augmentation HT cable of 11 kV 44D Underground feeder (Size of cable 3x150 sq.mm.) 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 30 sq.mm.) with 11 kV 3X300 sq.mm. 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.	-	0.30	0.45
10	Providing Additional 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	-
11	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, Electricity. OP, Subdivision. No. 9, Chandigarh.	-	0.05	0.07
12	Replacement of outlived, overheated, burnt and damaged outgoing service cables of different sizes and at different locations in Burail under the control of SDO, Electricity. OP, Subdivision. No. 9, Chandigarh.	-	0.06	0.08
13	Providing independent 11 kV U/G feeder for Sec- 41B from 66kV Grid Substation., Sector 34 under the control of SDO, Electricity, OP, Subdivision. No. 9, Chandigarh.	-	0.20	0.25
14	Replacement of outlived, overheated, burnt, overheated LT ACSR 0.75 sq inch with ACSR 0.1 sq inch of Sector 45 at different locations for the improvement of LD system under SDO, Electricity. OP Subdivision. No. 9, Chandigarh.	-	0.10	0.25

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
15	Detail estimate for strengthening the indoor Sub-station 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 Electricity. OP Subdivision. No. 10, sec-40, Chandigarh.	-	0.20	0.40
16	Providing 5x315 P/M T/F S-38 Chandigarh for deloading the existing P/M I/D S/Station for improvement of LD system under Electricity OP Subdivision No. 10, Sec-40 B, Chandigarh.	-	0.15	0.15
17	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 Electricity 'OP' Subdivision no 10 Sector 40 Chandigarh	-	0.10	0.12
18	Providing 02 Nos. 315 kVA distribution transformer for deloading the existing transformer and improvement of LD system in Village Dadumajra, Chandigarh under the jurisdiction of Electricity 'OP' Subdivision. No. 10, Sec-40B, Chandigarh.	-	0.07	0.10
19	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 Electricity 'OP' Subdivision. No.10 Sector-40B, Chandigarh.	-	0.20	0.30
20	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.	-	0.23	-
21	Strengthening the indoor Station 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 Electricity OP /Division No. 10, Sec-40 B, Chandigarh.	-	0.30	0.40
22	Providing independent 11 kV feeder for Sector-40B, I/D Substation from 66 kV G/Substation Sector-56, Chandigarh under Subdivision. No. 10, Chandigarh (No.12728-29 dated 29.10.20) W1/2020/19173	0.20	0.30	-
23	100 kVA T/f on the plinth with 315 kVA on the plinth of near Govt. High School for release of electricity connection of sport infrastructure and improve the LD system sec-56, Chandigarh.	-	0.06	-
24	Providing individual electricity connections to the residents outside Lal Dora of Milk Colony, Maloya and Shahpur Colony under Electricity OP Sub Division No. 10, Chandigarh	-	0.35	-
25	Replacement and augmentation of existing 3x185 sq.mm. cable of 11kV U/G Sector-42 feeder from 66kV G/Sub-station Sector 52 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh.	-	0.20	0.10
26	Up gradation of 11 kV I/D Sub Stations by replacement & Augmentation of existing old, outlived and defective 11 kV & L.T cbs in I/D Sub-station Sector 41A & 42-C under Electricity. 'OP'S/D No 9, Sector-43, Chandigarh.	-	0.20	0.35
27	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh.	-	0.30	0.40
28	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh	0.08	-	-
29	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	-	0.40	0.30

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25
	Kajheri for improvement of LD system under Electricity 'OP' S/ Division no.-9, Chandigarh.			
30	Replacement of old, worn out ACSR conductor and LT cables in Village Palsora, Buterla and Badheri for improvement of LD system under Electricity 'OP' S/ Division no.-9, Chandigarh.	-	0.20	0.25
31	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 Electricity 'OP' S/ Division no.-9, Chandigarh.	-	0.70	1.10
32	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 Sub-station Sector 44-A, B, D under Electricity. 'OP'S/D No 9, Sector-43, Chandigarh	-	0.50	0.70
33	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/Station Sector 45C & 43-B under Electricity. 'OP'S/D No. 9, Sector-43, Chandigarh	-	0.20	0.35
34	Replacement of old outlived ACSR conductor with 103Sq.mm alongwith replacement of Service Cables in village Burail under Electricity OP Sub Division No.9, Sec-43, Chandigarh.	-	0.50	-
35	Replacement and augmentation of existing 3x185 sq.mm. cable of 11kV U/G Burail feeder from 66kV G/Sub-station Sector 32 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh	-	0.35	-
36	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh	-	0.35	-
37	Providing 2x630kVA Packaged Sub Stations in village Burail in place of existing 750kVA Cabin Sub Station under Electricity OP Subdivision. No.9, Sec-43, Chandigarh.	-	0.30	0.35
38	Replacement and augmentation of existing 3x185 sq.mm. XLPE cable of 11kV Sector-51 old feeder from 66kV G/Sub-station Sector 52 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh.	-	0.08	-
39	Estimate for Replacement and augmentation of existing 3x150 sq.mm. XLPE cable of 11kV Progressive feeder from 66 kV Grid Sub-station Sector 47 Chandigarh, under the control of Electricity 'OP' S/division-9 Chandigarh.	-	0.35	-
40	Providing 11 kV underground independent feeder de-load the existing 11kV feeder for Sector-51 for the improvement of LD system under the control of the Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh.	-	0.45	-
41	Replacement of existing LT (jungle) fuse unit with LT ACB as well as LT Shunt Capacitor on 300/315 kVA T/F under Electricity. 'OP' Division. No.4 Chandigarh.	-	0.35	-
42	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 Electricity. 'OP' Subdivision No.9, Sector-43 A, Chandigarh	-	0.20	0.25
43	Providing 6x315 kVA P/M T/F at various sites in Sector-44, for improvement of LD system Chandigarh Under Electricity 'OP' Subdivision. No.9, Sec-43, Chandigarh	-	0.40	-
	Total (11kV and below)	9.28	32.15	25.36
	Total	13.28	47.15	35.36

Summary of Capital expenditure approved by the Commission

The summary of capital expenditure approved by the Commission for the 3rd MYT Control Period are given in the following tables:

Table 48: Summary of capital expenditure approved by the Commission for the 3rd MYT Control Period (Rs. Cr.)

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25	Total
Existing Schemes					
1	33 kV and Above	9.38	0.05	-	9.43
2	11 kV and Below	14.47	3.74	1.90	20.11
	Total (Existing/Spillover Schemes)	23.85	3.79	1.90	29.54
New Schemes					
1	33 kV and Above	4.00	15.00	10.00	29.00
2	11 kV and Below	9.28	32.15	25.36	66.79
	Total (New Schemes)	13.28	47.15	35.36	95.79
	GRAND TOTAL (Existing and New Schemes)	37.13	50.94	37.26	125.33

Therefore, the Commission approves a total capital expenditure of INR 125.33 Cr for the 3rd MYT Control Period.

Summary of Capitalisation approved by the Commission

As mentioned earlier, the opening CWIP of FY 2022-23 considered by the Commission is INR 85.61 Cr. The Commission observes that the capitalisation claimed by the Petitioner for existing/spillover schemes is higher than the sum of opening CWIP as on 1.4.2022 and capital expenditure claimed during the 3rd MYT Control Period. Accordingly, the Commission has considered that 60% of the opening CWIP shall be capitalised in FY 2022-23 and the remaining in FY 2023-24. Further, the capital expenditure approved for the 3rd Control Period for existing/spillover schemes and new schemes is capitalised as 60% in the year of capital expenditure incurred and remaining 30% is capitalised in the next financial year. The Commission has further considered that all the existing/spillover schemes shall be capitalised at the end of 3rd Control Period. Accordingly, the summary of capitalisation approved by the Commission for the 3rd MYT Control Period is given in the following table:

Table 49: Summary of capitalisation approved by the Commission for the 3rd MYT Control Period

Sl. No.	Name of scheme	FY 2022-23	FY 2023-24	FY 2024-25	Total
Existing Schemes					
	Total (Existing/Spillover Schemes)	65.67	46.06	3.42	115.15
New Schemes					
	Total (New Schemes)	7.97	33.60	40.08	81.64
	GRAND TOTAL (Existing and New Schemes)	73.64	79.66	43.49	196.79

Therefore, the Commission approves a total capitalisation of INR 196.79 Cr for the 3rd MYT Control Period.

3.5.2 Funding Plan

Petitioner's submission

The Petitioner has submitted the financing plan for the capital expenditure as follows:

Table 50: Financing Plan projected by the Petitioner for the 3rd MYT Control Period (Rs. Cr.)

Sl. No.	Sources of Funds	FY 2022-23	FY 2023-24	FY 2024-25	Total
A	Total Capital expenditure	37.53	51.26	37.28	126.08
B	Grant	0.83	0.01	0.00	0.84
C	Total Capital Expenditure (excluding Grant) (A-B)	36.70	51.25	37.28	125.24
D	Debt (%)	70.00%	70.00%	70.00%	70.00%
E	Equity (%)	30.00%	30.00%	30.00%	30.00%

Sl. No.	Sources of Funds	FY 2022-23	FY 2023-24	FY 2024-25	Total
	Normative Debt (INR Cr) (C x D)	25.69	35.88	26.10	87.66
	Equity (INR Cr) (C x E)	11.01	15.38	11.18	37.57

Commission's analysis

The financing plan approved based on the capitalisation schedule approved by the Commission is as follows:

Table 51: Financing Plan approved by the Commission for FY 2022-23 (Rs. Cr.)

Sl. No.	Scheme Name	Approved Funding in Capitalisation Schedule					
		FY 22-23					
		Debt	Equity	ED Fund	Consumer Contribution	Govt. Grant	Total
1	Grand Total (Spillover & New Schemes)	51.55	22.09	-	-	-	73.64

Table 52: Financing Plan approved by the Commission for FY 2023-24 (Rs. Cr.)

Sl. No.	Scheme Name	Approved Funding in Capitalisation Schedule					
		FY 23-24					
		Debt	Equity	ED Fund	Consumer Contribution	Govt. Grant	Total
1	Grand Total (Spillover & New Schemes)	49.76	21.33	-	-	8.57	79.66

Table 53: Financing Plan approved by the Commission for FY 2024-25 (Rs. Cr.)

Sl. No.	Scheme Name	Approved Funding in Capitalisation Schedule					
		FY 24-25					
		Debt	Equity	ED Fund	Consumer Contribution	Govt. Grant	Total
1	Grand Total (Spillover & New Schemes)	30.44	13.05	-	-	-	43.49

3.6 Reliability Indices

Petitioner's submission

The Petitioner has not submitted the projections of SAIFI, SAIDI and MAIFI for the upcoming Control Period. The Petitioner has submitted the actual values achieved by the Petitioner from Oct-21 to March-22. The details of the reliability indices submitted by the Petitioner are given in the Table below:

Table 54: Reliability Indices submitted by the Petitioner

Particulars	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
SAIFI	1.32	0.76	0.75	1.54	0.86	0.94
SAIDI	1.25	0.43	0.48	0.87	2.16	0.44
MAIFI	1.71	1.21	0.98	2.33	1.32	1.84

Commission's Analysis

Based on the limited data submitted by the Petitioner, the Commission approves the SAFI, SAIDI and MAIFI trajectory. However, the same shall be reviewed annually in line with the JERC (Standard of Performance for

Distribution Licensees) Regulations, 2015. The trajectory approved by the Commission for the 3rd MYT Control Period is as follows:

Table 55: Trajectory of Reliability Indices approved by the Commission

Particulars	FY 2022-23	FY 2023-24	FY 2024-25
SAIFI	1.00	1.00	1.00
SAIDI	1.00	1.00	1.00
MAIFI	1.00	1.00	1.00

3.7 Manpower Plan

Petitioner's Submission

The Petitioner has forecasted the no. of employees on the basis of the retirements and recruitments in the 3rd Control Period:

Table 56: Manpower plan submitted by the Petitioner

Sl. 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
1	Number of employees as on 1st April	1,106	1,048	977	1,071	1,086	1,171	1,116
2	Recruitment	21	5	184	108	151	0	0
3	Number of employees retired/ retiring during the year	79	76	90	93	66	55	56
4	Number of employees at the end of the year (1+2-3)	1,048	977	1,071	1,086	1,171	1,116	1,060

Commission's analysis

The Commission approves the Manpower plan as submitted by the Petitioner for the 3rd MYT Control Period and directs the Petitioner to submit the administrative approval for Recruitment of Manpower for the 3rd MYT Control Period. Accordingly, the Manpower plan approved by the Commission for the 3rd MYT Control Period is as follows:

Table 57: Manpower plan approved by the Commission

Sl. No.	Particulars	Approved for 3 rd MYT Control Period		
		FY 2022-23	FY 2023-24	FY 2024-25
1	Number of employees as on 1st April	1,086	1,171	1,116
2	Recruitment	151	0	0
3	Number of employees retired/ retiring during the year	66	55	56
4	Number of employees at the end of the year (1+2-3)	1,171	1,116	1,060

Annexures

Annexure 1: List of Stakeholders

The following is the list of the participants in Public Hearings conducted on 13th May 2022:

Table 58: List of participants in Public Hearing

S. No.	Name of Person (Mr./Ms.)	Organization/ Address
1	Indian Citizen's Forum	Plot No.134, Industrial Area, phase-II, Chandigarh-160002.
2	Dr. Navneet Singh	PGIMER, Sector-12, Chandigarh- 1600112
3	Group Captain R.C.Goyal	Kothi No.1579, Sector 36D, Chandigarh-160036
4	Gopal Dutt Joshi	U.T. Powermen Union, Chandigarh
5	Shri. Jeetram Vaid	Social Welfare Residential Society, mani majra, Chandigarh