

Order

on

**Approval of Business Plan and Multi
Year Tariff Petition**

For

**Power Transmission Corporation of
Uttarakhand Ltd.**

For

**Fifth Control Period
(FY 2025-26 to FY 2027-28)**

April 11, 2025

Uttarakhand Electricity Regulatory Commission

Vidyut Niyamak Bhawan, Near I.S.B.T., P.O. Majra

Dehradun - 248171

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Before
UTTARAKHAND ELECTRICITY REGULATORY COMMISSION

Petition No.: 11 of 2025

In the Matter of:

Petition filed by Power Transmission Corporation of Uttarakhand Limited for the True up for FY 2023-24, Annual Performance Review for FY 2024-25 and Multi Year Tariff for Fifth Control Period from FY 2025-26 to FY 2027-28.

AND

Petition No. 10 of 2025

In the Matter of:

Petition filed by Power Transmission Corporation of Uttarakhand Limited for approval of Business Plan for Fifth Control Period from FY 2025-26 to FY 2027-28

In the Matter of:

Power Transmission Corporation of Uttarakhand Ltd.
Vidyut Bhawan, Saharanpur Road, Majra, Near ISBT,
Dehradun-248001, Uttarakhand.

...Petitioner

Coram

Shri M.L. Prasad Chairman
Shri Anurag Sharma Member (Law)

Date of Order: April 11, 2025

Section 64(1) read with Section 61 and 62 of the Electricity Act, 2003 (hereinafter referred to as "the Act") requires the Generating Companies and the Licensees to file an application for determination of tariff before the Appropriate Commission in such manner and along with such fee as may be specified by the Appropriate Commission through Regulations.

In accordance with the relevant provisions of the Act, the Commission had notified Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2011 (hereinafter referred to as “UERC Tariff Regulations, 2011”) for the first Control Period from FY 2013-14 to FY 2015-16 specifying therein terms, conditions and norms of operation for licensees, generating companies and SLDC. The Commission had issued the Multi Year Tariff (MYT) Order dated May 6, 2013 for the first Control Period from FY 2013-14 to FY 2015-16. In accordance with the provisions of the UERC Tariff Regulations, 2011, the Commission had carried out the Annual Performance Review for FY 2013-14, FY 2014-15 and FY 2015-16 vide its Tariff Orders dated April 10, 2014, April 11, 2015 and April 5, 2016 respectively.

Further, in accordance with the relevant provisions of the Act, the Commission had notified Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Multi Year Tariff) Regulations, 2015 (hereinafter referred to as “UERC Tariff Regulations, 2015”) for the second Control Period from FY 2016-17 to FY 2018-19 specifying therein terms, conditions and norms of operation for licensees, generating companies and SLDC. The Commission had issued the Order on approval of Business Plan and Multi Year Tariff dated April 5, 2016 for the second Control Period from FY 2016-17 to FY 2018-19. In accordance with the provisions of the UERC Tariff Regulations, 2015, the Commission had carried out the Annual Performance Review for FY 2016-17, FY 2017-18 and FY 2018-19 vide its Tariff Orders dated March 29, 2017, March 21, 2018 and February 27, 2019.

Further, in accordance with the relevant provisions of the Act, the Commission had notified Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Multi Year Tariff) Regulations, 2018 (hereinafter referred to as “UERC Tariff Regulations, 2018”) for the third Control Period from FY 2019-20 to FY 2021-22 specifying therein terms, conditions and norms of operation for licensees, generating companies and SLDC. The Commission had issued the Order dated February 27, 2019 on approval of Business Plan of PTCUL for the third Control period from FY 2019-20 to FY 2021-22. In the same Order the Commission had also approved the Multi Year Tariff for the third Control Period from FY 2019-20 to FY 2021-22. In accordance with the provisions of the UERC Tariff Regulations, 2018, the Commission had carried out the Annual Performance Review for FY 2019-20, FY 2020-21 and FY 2021-22 vide its Tariff Orders dated April 18, 2020, April 24, 2021 and March 31, 2022.

Further, in accordance with the relevant provisions of the Act, the Commission had notified

Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Multi Year Tariff) Regulations, 2021 (hereinafter referred to as “UERC Tariff Regulations, 2021”) for the fourth Control Period from FY 2022-23 to FY 2024-25 specifying therein terms, conditions and norms of operation for licensees, generating companies and SLDC. The Commission had issued the Order dated March 31, 2022 on approval of Business Plan of PTCUL for the Fourth Control Period from FY 2022-23 to FY 2024-25. In the same Order the Commission had also approved the Multi Year Tariff for the Fourth Control Period from FY 2022-23 to FY 2024-25.

In accordance with the provisions of the UERC Tariff Regulations, 2018 & 2021, the Commission had carried out True-up for FY 2021-22, Annual Performance Review (APR) for FY 2022-23 and determined ARR and Tariff for FY 2023-24 vide its Tariff Order dated March 30, 2023.

Further, in accordance with the provisions of the UERC Tariff Regulations, 2021, the Commission had carried out True-up for FY 2022-23, Annual Performance Review (APR) for FY 2023-24 and Revised Aggregate Requirement (ARR)/Tariff for FY 2024-25 vide its Tariff Order dated March 28, 2024.

Further, in accordance with the relevant provisions of the Act, the Commission had notified Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Multi Year Tariff) Regulations, 2024 (hereinafter referred to as “UERC Tariff Regulations, 2024”) for the Fifth Control from FY 2025-26 to FY 2027-28 specifying therein terms, conditions and norms of operation for licensees, generating companies and SLDC. In compliance with the provisions of the Act and UERC Tariff Regulations, 2024, Power Transmission Corporation of Uttarakhand Limited (hereinafter referred to as “PTCUL” or “Licensee” or “Petitioner”) filed Application (Petition No. 11 of 2025 and hereinafter referred to as “Petition”) on November 27, 2024 for approval of True up for FY 2023-24, Annual Performance Review for 2024-25 and approval of Multi Year Tariff for FY 2025-26 to FY 2027-28.

The Petition filed by PTCUL had certain infirmities/deficiencies which were informed to PTCUL vide Commission’s letter no. UERC/7/CL/747/Misc. App. No. 124 of 2024/1229 dated December 12, 2024 and PTCUL was directed to rectify the said infirmities in the Petition and submit certain additional information necessary for admission of the Petition. PTCUL vide its Letter No. 2234/Dir.(Operations)/PTCUL/UERC dated December 23, 2024 and PTCUL vide its Letter No. 06/Dir.(Operations)/PTCUL/UERC dated January 03, 2025 respectively removed the critical

deficiencies. Based on the submissions made by PTCUL, the Commission vide its Order dated January 08, 2025 provisionally admitted the Petition for further processing subject to the condition that PTCUL shall furnish any further information/clarifications as deemed necessary by the Commission during the processing of the Petition and provide such information and clarifications to the satisfaction of the Commission within the time frame, as may be stipulated by the Commission, failing which the Commission may proceed to dispose of the matter as it deems fit based on the information available with it.

In compliance with the provisions of the Act and Regulation of UERC Tariff Regulations, 2024, Power Transmission Corporation of Uttarakhand Limited (hereinafter referred to as “PTCUL” or “Licensee” or “Petitioner”) filed Application (Petition No. 10 of 2025 and hereinafter referred to as “Petition”) on November 27, 2024 for approval of Business Plan for FY 2025-26 to FY 2027-28 in compliance with the provisions of the Act and Regulation 58(1) of UERC Tariff Regulations, 2024.

The Petition No. 10 of 2025 filed by PTCUL had certain infirmities/deficiencies which were informed to PTCUL vide Commission’s letter no. UERC/7/CL/746/Misc. App. No. 123 of 2024/1228 dated December 12, 2024 and PTCUL was directed to rectify the said infirmities in the Petition and submit certain additional information necessary for admission of the Petition. PTCUL vide its Letter No. 2235/Dir.(Operations)/PTCUL/UERC dated December 23, 2024 respectively removed the critical deficiencies. Based on the submissions made by PTCUL, the Commission vide its Order dated January 08, 2025 provisionally admitted the Petition for further processing subject to the condition that PTCUL shall furnish any further information/clarifications as deemed necessary by the Commission during the processing of the Petition and provide such information and clarifications to the satisfaction of the Commission within the time frame, as may be stipulated by the Commission, failing which the Commission may proceed to dispose of the matter as it deems fit based on the information available with it.

This Order, accordingly, relates to True-Up for FY 2023-24, APR for FY 2024-25 & Multi Year Tariff and Business Plan for FY 2025-26 to FY 2027-28 and is based on the original as well as all the subsequent submissions made by PTCUL during the course of the proceedings and the relevant findings contained in the APR and MYT Order dated March 31, 2022 and Tariff Order dated March 28, 2024.

Tariff determination being the most vital function of the Commission, it has been the

practice of the Commission to elaborate in detail the procedure and to explain the underlying principles in determination of tariffs. Accordingly, in the present Order also, in line with past practices, the Commission has tried to elaborate the procedure and principles followed by it in determining the ARR of the licensee. The Annual Transmission Charges of PTCUL are recoverable from the beneficiary(ies). It has been the endeavour of the Commission in past also, to issue Tariff Orders for PTCUL concurrently with the issue of Order on retail tariffs for Uttarakhand Power Corporation Limited (UPCL), so that UPCL is able to honour the payment liability towards transmission charges of PTCUL. For the sake of convenience and clarity, this Order has further been divided into following Chapters:

- Chapter 1 - Background and Procedural History.
- Chapter 2 - Stakeholders' Objections/Suggestions, Petitioner's Responses and Commission's Views.
- Chapter 3 - Petitioner's Submissions, Commission's Analysis, Scrutiny and Conclusion on Business Plan for Fifth Control Period.
- Chapter 4 - Petitioner's Submissions, Commission's Analysis, Scrutiny and Conclusion on Final Truing up for FY 2023-24.
- Chapter 5 - Petitioner's Submissions, Commission's Analysis, Scrutiny & Conclusion on APR for FY 2024-25 and MYT for FY 2025-26 to 2027-28.
- Chapter 6 - Commission's Directives.
- Chapter 7 - Annexures

1 Background and Procedural History

In accordance with the provisions of the Uttar Pradesh Reorganization Act 2000 (Act 29 of 2000), enacted by the Parliament of India on August 25, 2000, the State of Uttaranchal came into existence on November 9, 2000. Section 63(4) of the above Reorganization Act allowed the Government of Uttaranchal (hereinafter referred to as “GoU” or “State Government”) to constitute a State Power Corporation at any time after the creation of the State. GoU, accordingly, established the Uttaranchal Power Corporation Limited (UPCL) under the Companies Act, 1956, on February 12, 2001 and entrusted it with the business of transmission and distribution in the State. Subsequently, from April 1, 2001, all works pertaining to the transmission, distribution and retail supply of electricity in the area of Uttaranchal were transferred from Uttar Pradesh Power Corporation Limited (UPPCL) to UPCL, in accordance with the Memorandum of Understanding dated March 13, 2001, signed between the Governments of Uttaranchal and Uttar Pradesh.

Meanwhile, the Electricity Act, 2003 was enacted by the Parliament of India on June 10, 2003, which mandated separate licenses for transmission and distribution activities. In exercise of powers conferred under sub-section 4 of Section 131 of the Act, the GoU, therefore, through transfer scheme dated May 31, 2004, first vested all the interests, rights and liabilities related to Power Transmission and Load Despatch of “Uttaranchal Power Corporation Limited” into itself and, thereafter, re-vested them into a new company, i.e. “Power Transmission Corporation of Uttaranchal Limited”, now renamed as “Power Transmission Corporation of Uttarakhand Limited” after change of name of the State. The State Government, further vide another notification dated May 31, 2004 declared Power Transmission Corporation of Uttarakhand as the State Transmission Utility (STU) responsible for undertaking, amongst others, the following main functions:

- a) To undertake transmission of electricity through intra-State transmission system.
- b) To discharge all functions of planning and co-ordination relating to intra-State transmission system.
- c) To ensure development of an efficient, co-ordinated and economical system of intra-State transmission lines.
- d) To provide open access.

A new company in the State was, thus, created to look after the functions of intra-State

Transmission and Load Despatch, on May 31, 2004. In view of re-structuring of functions of UPCL and creation of a separate company for looking after the transmission related works, the Commission amended the earlier 'Transmission and Bulk Supply License' granted to 'Uttarakhand Power Corporation Limited' and transmission license was given to PTCUL for carrying out transmission related works in the State vide Commission's Order dated June 9, 2004.

The Commission vide its Order dated May 6, 2013 approved the Business Plan and Multi Year Tariff for PTCUL for the first Control Period from FY 2013-14 to FY 2015-16. Further, the Commission had carried out the Annual Performance Review for FY 2013-14, FY 2014-15 and FY 2015-16 vide its Orders dated April 10, 2014, April 11, 2015 and April 5, 2016 respectively.

In exercise of powers conferred to it under Section 61 of the Act and all other powers enabling it in this behalf, the Commission notified the UERC Tariff Regulations, 2015 on September 10, 2015. These Regulations superseded the UERC Tariff Regulations, 2011.

The Commission vide its Order dated April 5, 2016 approved the Business Plan and Multi Year Tariff for PTCUL for the second Control Period from FY 2016-17 to FY 2018-19. Further, the Commission had carried out the Annual Performance Review for FY 2016-17, FY 2017-18 and FY 2018-19 vide its Orders dated March 29, 2017, March 21, 2018 and February 27, 2019 respectively.

In exercise of powers conferred to it under Section 61 of the Act and all other powers enabling it in this behalf, the Commission notified the UERC Tariff Regulations, 2018 on September 14, 2018. These Regulations superseded the UERC Tariff Regulations, 2015.

The Commission vide its Order dated February 27, 2019 approved the Business Plan and Multi Year Tariff for PTCUL for the third Control Period from FY 2019-20 to FY 2021-22 and had carried out the Annual Performance Review for FY 2019-20, FY 2020 and FY 2021-22 vide its Tariff Orders dated April 18, 2020, April 24, 2021 and March 31, 2022.

In exercise of powers conferred to it under Section 61 of the Act and all other powers enabling it in this behalf, the Commission notified the UERC Tariff Regulations, 2021 on October 2, 2021. These Regulations superseded the UERC Tariff Regulations, 2018.

The Commission had issued the Order dated March 31, 2022 on approval of Business Plan of PTCUL for the Fourth Control Period from FY 2022-23 to FY 2024-25. In the same Order the Commission had also approved the Multi Year Tariff for the Fourth Control Period from FY 2022-23

to FY 2024-25. In accordance with the provisions of the UERC Tariff Regulations, 2018 & 2021, the Commission had carried out True-up for FY 2021-22, Annual Performance Review (APR) for FY 2022-23 and determined ARR and Tariff for FY 2023-24 vide its Tariff Order dated March 30, 2023. Further the Commission has also carried out True-up for FY 2022-23, Annual Performance Review (APR) for FY 2023-24 and determined ARR and Tariff for FY 2024-25 vide its Tariff Order dated March 28, 2024.

In compliance with the provisions of UERC Tariff Regulations, PTCUL filed its Petition on November 27, 2024 for approval of True up for 2023-24, Annual Performance Review for FY 2024-25 and Multi Year Tariff for FY 2025-26 to FY 2027-28 in compliance with the provisions of the Act and Regulation 16(2) of UERC Tariff Regulations, 2024.

Further, in compliance with the Regulation of UERC Tariff Regulations, PTCUL also filed its Petition on November 27, 2024 for approval of Business Plan for FY 2025-26 to FY 2027-28 in compliance with the provisions of the Act and Regulation 58(1) of UERC Tariff Regulations, 2024. The Commission, through its above Admittance Order dated January 08, 2025, to provide transparency to the process of tariff determination and give all stakeholders an opportunity to submit their objections/suggestions/ comments on the proposals of the Transmission Licensee, also directed PTCUL to publish the salient points of its proposals in the leading newspapers. The salient features of the proposals were published by the Petitioner in the following newspapers:

Table 1.1: Publication of Notice

S. No.	Newspaper Name	Date of Publication
1.	Times of India	January 10, 2025
2.	Hindustan	January 11, 2025

Through above notice, stakeholders were requested to submit their objections/suggestions /comments latest by February 15, 2025 (copy of the notice is enclosed as **Annexure-1** and **Annexure-2**). The Commission received in all 06 objections/suggestions/comments in writing on the Petition filed by PTCUL. The list of stakeholders/respondents who have submitted their objections/ suggestions/comments in writing is enclosed as **Annexure-3**.

Further, for direct interaction with all the stakeholders and public at large, the Commission also held public hearings on the proposals filed by the Petitioner at the following places in the State of Uttarakhand.

Table 1.2: Schedule of Hearing

S. No	Place	Date
1.	Lohaghat	February 18, 2025
2.	Rudrapur	February 19, 2025
3.	Gopeshwar	February 25, 2025
4.	Dehradun	February 28, 2025

The list of participants who attended the Public Hearings is enclosed at **Annexure-4**.

The Commission also sent the copies of salient features of tariff proposals to Members of the State Advisory Committee and the State Government. The salient features of the Petition submitted by PTCUL were also made available on the website of the Commission, i.e. www.uerc.gov.in. The Commission also held a meeting with the Members of the Advisory Committee on March 19, 2025, wherein, detailed deliberations were held with the Members of the Advisory Committee on the various issues linked with the Petition filed by PTCUL.

The objections/suggestions/comments, as received from the stakeholders through mail/post as well as during the course of public hearing were sent to the Petitioner for its response. All the issues raised by the stakeholders and the Petitioner's response thereon are detailed in Chapter 2 of this Order. In this context, it is also to underline that while finalizing this Order, the Commission has, as far as possible, tried to address the issues raised by the stakeholders.

Meanwhile, based on the scrutiny of the Petition filed by PTCUL, the Commission vide its Letter No. UERC/7/CL/745/Misc. No. 120 of 2024/1460 and Letter No. UERC/7/CL/744/Misc. No. 120 of 2024/1230 both dated December 12, 2024 pointed out certain data gaps in the Petition and sought following additional information/ clarifications from the Petitioner:

- Details of Tariff Formats which are not duly filled or partially filled.
- Copy of Work Order, Electrical Inspector Certificates for certain schemes.
- Reconciliation of figures in case of discrepancies.
- Reasons for variation in Employee, A&G and R&M Expenses from the approved expenses.
- Details regarding expected date of completion of proposed capitalization in second half of FY 2024-25 and details of Physical Progress till date against the expected date of completion.
- Details of Physical and Financial Progress of schemes proposed to be capitalized during FY 2025-26.

- Progress of recruitment process for FY 2024-25 and FY 2025-26.

So as to have better clarity on the data filed by the Petitioner and to remove inconsistency in the data, a Technical Validation Session (TVS) was also held with the Petitioner's Officers on January 28, 2025, for further deliberations on certain issues related to the Petition filed by PTCUL. Minutes of above TVS were sent to the Petitioner vide Commission's letter no. UERC/7/CL/747/Petition No. 11 of 2025/1459 dated January 29, 2025, for its response.

The Petitioner submitted the replies to data gaps vide its letter no. 202/Dir. (Operations)/PTCUL dated February 07, 2025. Further, the Petitioner submitted the additional replies to the queries raised by the Commission on March 06, 2025, March 12, 2025, March 28, 2025 and April 05, 2025. The submissions made by PTCUL in the Petition as well as additional submissions have been discussed by the Commission at appropriate places in the Tariff Order along with the Commission's views on the same.

2 Stakeholder's Objections/Suggestions, Petitioner's Responses and Commission's Views.

The Commission has received suggestions/objections/comments on PTCUL's Petitions for approval of true up for FY 2023-24, Annual Performance Review for FY 2024-25 and Business Plan & Multi Year tariff Aggregate Revenue Requirement for the fifth Control Period from FY 2025-26 to FY 2027-28. List of stakeholders who have submitted their objections/suggestions/comments in writing is given at **Annexure-3** and the list of Respondents who have participated in the Public Hearings is enclosed at **Annexure-4**. The Commission has further obtained replies from PTCUL on the suggestions/objections/comments received from the stakeholders. For the sake of clarity, the objections raised by the stakeholders and responses of the Petitioner have been consolidated and summarized issue wise. In the subsequent Chapters of this Order, the Commission has kept in view the suggestions/objections/comments of the stakeholders and replies of the Petitioner while approving the true up for FY 2023-34 and Business Plan & MYT for fifth Control Period.

2.1 Capitalisation of New Assets

2.1.1 Stakeholder's Comments

Shri Pankaj Gupta of Industries Association of Uttarakhand submitted that the PTCUL has projected very high Capitalisation during the next Control Period as compared to actual achievement in previous years and requested the Commission to scrutinize the proposed additional capitalisation carefully.

Shri Vijay Singh Verma submitted that PTCUL has claimed an capital investment of rupees 5435.29 crores for the 5th Control Period which is very higher side in comparison to works executed by PTCUL in the past years. The investment of projects sorted by PTCUL be allowed based on its past track record of capitalization. PTCUL should focus on completing its under execution works rather than focusing on foresighted projects.

2.1.2 Petitioner's Response

The Petitioner submitted that the Demand of Electricity is increasing in the Country & State due to huge industrial demand and infrastructural development. Further, a review meeting on 10.07.2024 in FY 2023-24, Maximum demand was 2635 MW, in FY 2024-25, Maximum demand was 2863 MW & for FY 2025-26 projected Maximum demand is 3074 MW.

The Secretary (Energy), Uttarakhand Government, along with Additional Secretary (Energy), chaired a review meeting on 10.07.2024. In this meeting, discussions were held regarding Transmission and Distribution Network Planning for the State. The focus remained on addressing the rising power demand, ensuring grid stability, and fulfilling obligations under the 20th National Electricity Plan and CEA Resources Adequacy Plan.

After above meeting, the Energy Department, Government of Uttarakhand, directed PTCUL & UPCL to review the Transmission and Distribution networks in the state and accordingly submit the Transmission & Distribution Network Planning for the State.

As directed, PTCUL submitted Transmission Network Planning to Govt. of Uttarakhand vide its letter No. 1119 dated 29-07-2024. To cater the load demand of the state upto FY 2041-42, proposals was prepared by categorization of Projects as High, Medium, and Low Priority.

The proposal was approved by Govt. of Uttarakhand vide their letter No. 553/I(2)/2024/05-05/2024 dated 02-09-2024. The transmission network plan is prepared in view of the following:

- 1) The increasing power demand in Uttarakhand – The State’s electricity needs have risen sharply, requiring urgent upgrades to the grid infrastructure to ensure uninterrupted power supply.
- 2) Modernization of Transmission Infrastructure—The PTCUL has planned to replace old/outdated transformers and old conductors of transmission lines by HTLS conductor. As per CEA (Central Electricity Authority) obligations under Section 73(i) of the Electricity Act, 2003, the estimated transformer useful life (as per the 2016 guidelines) is considered for replacements of old transformers, referring to CBIP Transformer Manual.
- 3) Coordination with UPCL (Uttarakhand Power Corporation Ltd.)—PTCUL regularly coordinates with UPCL through meetings of the Coordination Forum to address issues related to project alignment, feasibility, and load management.
- 4) Generation from Private Power Producers – The contribution of private producers in Uttarakhand is increasing. Their generated power needs to be integrated efficiently into the state grid. Work proposals are being developed to facilitate smooth transmission.
- 5) Generation from UJVN Ltd. and other Independent Power Producers (IPPs)—In state of Uttarakhand UJVN Ltd. has also planned to develop various hydro power projects. In

Business plan PTCUL also proposed transmission network for power evacuation of hydro power projects of UJVNL. Also various private developers proposed hydro power projects in various river valleys of State. For power evacuation of hydro power projects of various IPP's, PTCUL proposed construction of new transmission network in the state. IPPs' contributions are helping in state development. The proposals aim to support the evacuation of their power to other states as well.

- 6) Uttarakhand Global Investors Summit – the electricity and transmission sector plays a pivotal role in industrial development of Uttarakhand. During Uttarakhand global submit held in 2023, Memorandum of understanding of about Rs 3.5 Lakh Crore was signed out of which about Rupee one lakh crore were of Power Sector. Due to possibility of huge industrial development in the state in upcoming years, PTCUL may require to develop transmission network for providing uninterrupted and good quality power supply to industrial consumer. Also, for evacuation of power projects intra-state network is required to be developed in a time bound manner.

Accordingly, capital expenditure has been proposed in accordance with the approved Transmission Network Plan.

2.1.3 Commission's View

The approach adopted by the Commission for the capitalisation considered for the fifth Control Period from FY 2025-26 to FY 2027-28 including the analysis of additional submissions made by the Petitioner are elaborated in business plan chapter of this Order.

2.2 RoE on Equity invested from PDF

2.2.1 Stakeholder's Comments

Shri Pankaj Gupta of Industries Association of Uttarakhand submitted that PTCUL has tried to justify Return on entire equity as per its submission. In the previous Tariff Orders issued by the Commission, the return on equity was not allowed to PTCUL on the ground that the equity provided by the Govt of Uttarakhand was out of the Power Development Fund (PDF), which was realized from the consumers in the form of a cess. As per the Appellate Tribunal of Electricity (ATE) dated 15th May 2015 in R.P. No. 2 of 2015 in Appeal No. 163 of 2015, *"The Tribunal has upheld the findings of the State Commission in the impugned order but has not given any finding relating to disallowance of ROE on the funds deployed by the State Government from PDF towards the capital cost of the*

project." We feel that the findings of this Tribunal in Appeal No. 189 of 2005 will be applicable to the present case. If the State Commission has not provided the amount as a grant and has invested the amount as equity, ROE has to be allowed as per the Regulations of the State Commission. Accordingly, this issue is decided in favor of the Petitioner. PTCUL has given reference to one letter from the Additional Secretary and has requested the Commission to accept PTCUL's proposal to consider PDF funds also as part of equity. In view of the assumption that the Commission will accept PTCUL's request for PDF funds, they have submitted their proposal for ROE, depreciation, etc. accordingly. PTCUL is trying to justify this by referring to another case involving a different consumer, which is not relevant to the present case, where the PDF was collected directly from consumers. The stakeholder requested the Commission not to allow return on equity on assets created out of PDF as was done by it in the past.

Shri Shakeel Siddiqui, Advisor Legal, M/s Galwalia Ispat Udyog Pvt. Ltd. and M/s Kashi Vishwanath Textile Pvt. Ltd. submitted that PTCUL has filed appeal No. 187 of 2019 before Hon'ble APTEL and has claimed the RoE on PDF which is under scrutiny. The Appeals filed on APTEL Judgment for allowing RoE on PDF funds in case of UJVNL are pending before the Supreme Court. It is surprising to see that the amount was collected from consumers by State Government and was re invested in projects in form of equity or loan. The Commission is requested to make a strong presentation before the State Government that first the Act passed by State for levying PDF was unconstitutional and further charging ROE, on the same amount if invested is against principle of natural justice.

2.2.2 *Petitioner's Response*

The Petitioner submitted that the PTCUL has been claiming Return on Equity on funds deployed by GoU out of PDF fund since Government contributes to the equity amount required for project capitalization from the PDF fund. While the matter is sub-judice before APTEL, the Petitioner request the Commission to allow RoE on assets created from PDF to avoid Tariff shock to the Consumers on account of incremental carrying cost, in case the judgment comes in the favour of PTCUL in the aforesaid matter.

2.2.3 Commission's Views

The Commission has considered the submission made by the Stakeholder and the Petitioner submission. The Commission has dealt with the issue of allowing RoE on assets created from PDF in detail in the subsequent chapters of this Order.

2.3 Project Completion

2.3.1 Stakeholder's Comments

Shri Pankaj Gupta of Industries Association of Uttarakhand submitted that the past experience shows that PTCUL officers does not take adequate timely actions to ensure timely completion of the project. This results in cost overruns and increases costs to consumers. In present times, for faster completion of projects, all clearances should first be taken by PTCUL, and only then should the contract be awarded. This will reduce the time required for completion of the Project.

2.3.2 Petitioner's Response

The Petitioner submitted that PTCUL ensures that necessary steps are taken at every stage of project execution to facilitate timely completion of Projects. Regular follow-ups are conducted by concerned field units with the local administration and district administration to resolve Right of Way (RoW) issues. Additionally, adequate actions are taken to obtain all required statutory clearances before energization of the project.

To ensure effective project execution, PTCUL monitors projects rigorously at multiple levels:

- Daily Monitoring–Conducted by field officers to track on-ground progress. Weekly and Fortnightly Reviews–Project Monitoring unit being headed by the Chief Engineer level officer is operational at corporate office which monitor the financial and physical progress of all the under-construction projects on fortnightly basis followed by regular site visit of higher officers at project site.
- Board-Level Monitoring – A Project Review and Monitoring Committee constituted by PTCUL Board under the chairmanship of independent Directors oversees projects at regular intervals to ensure strategic interventions where required.

Cost overrun occurs due to reasons beyond the control of corporation like delay due to RoW issue of site, floods, landslides etc. For controlling RoW issues consistence persuasion is being done with local villagers and Administration.

Forest case cannot be prepared in advance as the route after final survey may deviate in Hilly/Difficult terrain depending upon the tower spotting, tower design, detailed engineering effect for reduction in no. of trees to be cut to save environment and ecology change in geographical terrain, RoW problem etc. The Turnkey Contractor may also suggest better and economical route. In case, if the route is changed after finalization of forest case, a fresh forest case is required to be prepared and submitted which has to be routed through the same channel. In case a fresh forest case is required to be prepared it would result further delay and increase in cost. Hence, the case for clearance of forest land use is submitted after the finalization of the line route, final survey of which is done by the turnkey contractor to whom work of construction of line is awarded. The line route is approved by PTCUL and based on the finalized route, tree enumeration, forest land area required etc. is determined with joint inspection forest and PTCUL officials. Survey of the route is also carried out by the Geologist of the Government.

In comparison to survey agency the turnkey contractor have better establishment of design & Engineering, survey and he suggest most technical, suitable and optimize route by using advance technique like DGPS, LIDAR and PLS CADD of survey work.

Past experience has shown that when survey and forest clearance works were awarded separately, agencies failed to complete the forest clearance process, leading to delays. A tender was invited separately for survey and forest clearance work in June 2020, there was no response from companies for participation in above tender. Even after multiple bid extensions, companies have not shown interest in submitting bids. To enhance efficiency, it is necessary that survey and forest clearance work should be awarded under the same contract rather than separately. This will reduce dependency on multiple contractors. It will ensure that the forest clearance process is completed along with the survey which will save time and expedite project execution.

PTCUL remains committed to ensuring timely project completion through strategic interventions, better coordination with authorities, and with structured project monitoring at various levels.

The Petitioner submitted that the capitalization for the Projects is approved by the Commission after prudence checks which includes the checks with regard to the reason for cost overruns and time overrun. In case of any unforeseen time/ cost overruns due to reasons beyond control of the PTCUL, detailed reasons and justification provided to the Commission for

consideration. Based on the justification and supportive documents, the Commission allows the capitalization and additional capitalization on the projects.

2.3.3 Commission's Views

The Commission consistent with the methodology adopted by the Commission in the true up of previous years, the Commission in this Order has again not allowed part capitalisation in accordance with the applicable UERC Tariff Regulations. While truing up for FY 2023-24 in subsequent chapter, the Commission had examined the projects with respect to price variation, actual cost incurred against each completed project and after prudence check, allowed the project costs and their capitalisation thereof. The detailed approach adopted by the Commission for approving the capitalisation for FY 2023-24 is elaborated in subsequent chapter of the Order.

2.4 True up for Previous Years

2.4.1 Stakeholder's Comments

Shri Pankaj Gupta of Industries Association of Uttarakhand submitted that PTCUL has claimed expenses in true-up as per their audited balance sheet. There is no justification for the difference between what was approved by the Commission and what was actually incurred. Without proper justification, the Commission should not allow these expenses in the True-up.

2.4.2 Petitioner's Response

The Petitioner submitted that claim made for the expenses in true-up is in adherence to the methodology specified in the Tariff Regulations.

The Petitioner further submits that expenses in true-up are based on the actual expenses incurred in the past which are audited by statutory auditors.

2.4.3 Commission's View

The Commission has taken into consideration the issue raised by the stakeholder and the response submitted by PTCUL. The Commission has carried out due prudence check while approving the true-up of FY 2023-24 as discussed in Chapter 4 of the Order

2.5 System Strengthening

2.5.1 Stakeholder's Comments

Shri Vijay Singh Verma submitted that a request should be forwarded by UPCL to PTCUL regarding strengthening the capacity of the 33kV transmission line from the 220kV Ramnagar substation to Jhabrera, as the existing 450 Ampere line capacity and the Ramnagar Electricity Substation remain overloaded. Given the increasing demand, it is essential to review and upgrade the transmission infrastructure. Additionally, one representative from UPCL and another from PTCUL should attend a meeting to discuss and assess the strengthening of the line and substation capacity to ensure system stability and reliability.

2.5.2 Petitioner's Response

The Petitioner submitted that strengthening of capacity of 33 kV line pertains to UPCL as 33 kV distribution network is operated and maintained by Uttarakhand Power Corporation Limited (UPCL).

On 25.01.2025, 01 No. 40 MVA, 132/33 kV transformer has been commissioned by replacing 01 No. 20 MVA, 132/33 kV transformer at 132 kV S/S Ramnagar, Roorkee. This has resulted in net increase of 20 MVA transformer capacity at 132 kV S/S Ramnagar, Roorkee.

2.5.3 Commission's Views

The Commission has taken note of the Stakeholder's suggestions and the Petitioner's response. The Commission is of the view that PTCUL has projected the capital investment plan considering the lines and substation to meet the future load growth during FY 2025-26 to FY 2027-28. PTCUL shall carry out proper transmission planning and execute the schemes as per Transmission Plan without any delay.

2.6 Issues Raised During Meeting of State Advisory Committee

2.6.1 Stakeholder's Comments

During the State Advisory Committee meeting held on March 07, 2024, the Members made the following suggestions on the Petitions filed by PTCUL.

- RoE on equity invested from PDF should not be allowed till the Hon'ble Supreme Court judgment is issued on the Appeal filed on Hon'ble APTEL's judgements of allowing RoE on equity invested from PDF in the matter of UJVNL.

- PTCUL has experienced significant delays in executing its projects, resulting in a substantial rise in Interest During Construction (IDC). Timely completion is required to avoid cost escalation.
- There is too much delay in completing the projects which is causing the cost of the project to increase i.e. increase in IDC. Further, PDF fund should not be included as own fund of the Utility.
- PTCUL has proposed high Intra-State Transmission losses as compared to actual losses and requested the Commission not to allow the losses higher than the actual losses.
- The transmission losses should be calculated feeder wise to get a correct picture of actual losses.
- The Commission should establish standard operating procedures (SOPs) for NOC issuance when ABT meters malfunction, preventing SLDC from imposing arbitrary conditions beyond Regulatory provisions.

2.6.2 *Petitioner's Response*

The Petitioner submitted the following replies on the queries raised:

- In the Transmission sector, no major work have been done in the State during the past years. There is huge floating population which adds to load growth, due to Uttarakhand being religious State. In Kashipur, the 500 MVA transformer is proposed to be procured to cater the load requirement of the area. In Kumaon Region, to cater to the current load, 400 kV S/s is proposed in the investment plan of the utility.
- In Garhwal region, during the month of May and June, the demand increases significantly and in the area of Roorkee, load shedding was done due to the transmission system constraint, which also affected UPCL. Some of the transformers have already completed their useful life (as per CEA – useful life is 35 years), and augmentation of such transformers has been proposed in the investment plan.
- HTLS i.e. High Temperature Low Sack conductor replacement is proposed where the new line installation is not possible.
- PTCUL has prepared the Uttarakhand Transmission Network Plan and Master Transmission Plan after the discussion, co-ordination and consent with Urja Cell,

Uttarakhand, UJVNL Ltd. and UPCL up to Financial Year 2030 on the basis of projected demand. According to Centre Plan for RE transmission expansion, from 220 GW to 500-600 GW in upcoming years, PTCUL is also preparing the network expansion plan accordingly.

- As regards the delay in the execution of the projects, there is huge delay due to RoW and land acquisition issues, such as in case of Brahmwari S/s. Further, lack of support from the departments of GoU hinders the timelines of the project.
- To enhance grid security and reliability, measures are being taken to establish the SLDC as an independent and autonomous body – a recommendation endorsed by the Ministry of Power (MoP) and Grid India. Additionally, a dedicated Information Security Division will be set up to strengthen cybersecurity. Given these critical upgrades, substantial capital investment has been proposed for the fifth Control Period. Govt. of India under PSDF scheme is providing 100% grant support to SLDC.
- PTCUL has tied up with ADB for acquiring funding for long term investment plan. Further, PTCUL has a rating of A++ plus and the Loan which it gets is at an additional discount of 0.25% less than the market rate.

2.6.3 Commission's Views

The issues raised by the Members of the Advisory Committee have been taken into consideration while deciding on the Petitioner's claims in the Petition filed for approval of true-up of FY 2023-24, APR for FY 2024-25 and Business Plan and Multi Year Tariff for FY 2025-26 to FY 2027-28 as detailed in subsequent Chapters of this Order.

3 Petitioner's Submissions, Commission's Analysis, Scrutiny & Conclusion on Business Plan for FY 2025-26 to FY 2027-28

3.1 Statutory Requirement

In light of the provisions of the Act, the Commission has notified the UERC Tariff Regulations, 2024 on September 17, 2024, applicable for determination of Tariff for the fifth Control Period from FY 2025-26 to FY 2027-28.

3.2 Multi Year Tariff Framework

As regards the Multi Year Tariff Framework, UERC Tariff Regulations, 2024 specifies as follows:

"4. MYT Petition for the Control Period

The Multiyear tariff framework shall be based on the following:

- a) Business plan submitted by the applicant for the entire Control Period for the approval of the Commission prior to the beginning of the Control Period;*
- b) Applicant's forecast of expected ARR for each year of the Control Period, based on reasonable assumptions and financial & operational principles/parameters laid down under these Regulations submitted along with the MYT petition for determination of Aggregate Revenue Requirement and Tariffs for first year of the Control Period;*
- c) Review of Control Period ending on 31.03.2025 shall also be taken up alongwith the ARR/Tariff petition for the first year of ensuing Control Period;*
- d) Trajectory for specific parameters as may be stipulated by the Commission based on submissions made by the Licensee, actual performance data of the Applicants and performance achieved by similarly placed utilities;*
- e) Annual review of performance shall be conducted vis-a-vis the approved forecast and categorization of variations in performance into controllable factors and uncontrollable factors;*
- f) Sharing of excess profit or loss due to controllable and uncontrollable factors as per provisions of these Regulations*

....

7. Determination of Baseline

The baseline values (operating and cost parameters) for the base year of the Control Period shall be determined by the Commission and shall be based on the approved values by the Commission, the latest audited accounts, estimates for the relevant year, prudence check and other factors considered by the Commission.

The Commission may re-determine the baseline values for the base year based on the actual audited accounts of the base year."

3.3 Business Plan for fifth Control Period

Regarding Business Plan, Regulation 8 of the UERC Tariff Regulations, 2024 specifies as follows:

"8. Business Plan

(1) An Applicant shall submit, under affidavit and as per the UERC Conduct of Business Regulations as amended from time to time, a Business Plan by November 30, 2024, for the Control Period of three (3) financial years from April1, 2025 to March 31, 2028;*

b) The Business Plan for the Transmission Licenses shall be for the entire Control Period and shall, interalia, contain

(i) Capital investment plan which should be commensurate with Load growth and quality improvement proposed in the business plan alongwith its cost-benefit analysis. The investment plan should also include yearly phasing of capital expenditure alongwith the source of funding, financing plan and corresponding capitalisation schedule. The system augmentation/expansion plan to be submitted as a part of Capital Investment Plan by the Transmission Licensee shall be consistent with the Load growth forecast/ generation evacuation requirement during the Control Period. Further, the Capital Investment Plan shall be in conformity with the plans made by the CEA/CTU/STU/Distribution Licensee;

(ii) The appropriate capital structure of each scheme proposed and cost of financing (interest on debt) and return on equity, terms of the existing agreements, etc;

(iii) Transmission loss reduction trajectory for each year of the Control Period, including details of the measures proposed to be taken for achieving the target loss;

...

(1) The Applicant shall also submit the details in respect of its manpower planning for the Control Period as part of Business Plan.

(2) The Commission shall scrutinize and approve the business plan after following the due consultation process."

Regarding Capital Investment Plan, Regulation 58 of the UERC Tariff Regulations, 2024 specifies as follows:

"58. Capital Investment Plan

(1) The Transmission Licensee shall file a detailed capital investment plan, financing plan and physical targets for each financial year of the Control Period, as a part of Business Plan, for meeting the requirement of Load growth, reduction in transmission losses, improvement in quality of supply, reliability, metering, reduction in congestion, etc. The capital investment plan along with the Business Plan should be filed at the beginning of the Control Period, detailing all aspects as specified in Regulation 8 contained in Part- II of these Regulations. Provided that all the new Intra-State transmission system costing above a threshold limit and meeting other conditions as laid out in Appendix-VI shall be developed through Tariff Based Competitive bidding

(2) The investment plan shall be a least cost plan for undertaking investments on strengthening and augmentation of the intra-State transmission system for meeting the requirement of Load growth, reduction in transmission losses, improvement in quality of supply, reliability, metering, reduction in congestion; etc.

(3) The investment plan shall cover all capital expenditure projects to be undertaken by the Transmission Licensee in the MYT Control Period and shall be in such form as may be stipulated by the Commission from time to time.

(4) Separate prior approval of the Commission shall be required for all capital expenditure schemes of the value exceeding the ceiling specified by the Commission in the transmission license.

(5) The investment plan shall be accompanied by such information, particulars and documents as may be required showing the need for the proposed investments, alternatives considered, cost/benefit analysis and other aspects that may have a bearing on the transmission charges. The investment plan shall also include capitalisation schedule and financing plan.

(6) The Transmission Licensee shall submit, along with the MYT Petition or along with the Petition for Annual Performance Review, as the case may be, details showing the progress of

capital expenditure projects, together with such other information, particulars or documents as the Commission may require for assessing such progress.

(7) The Commission shall consider and approve the Transmission Licensee's capital investment plan, with modifications, if necessary. The costs corresponding to the approved investment plan of the Transmission Licensee for a given year shall be considered for its revenue requirement."

In accordance with Regulation 8 and Regulation 58 of UERC Tariff Regulations, 2024, the Petitioner submitted the Business Plan for the fifth Control Period from FY 2025-26 to FY 2027-28. The Petitioner in its Business Plan Petition and subsequent submissions has submitted the proposed Capital Expenditure, Capitalisation Plan, Human Resources Plan and Transmission Loss trajectory for the fifth Control Period from FY 2025-26 to FY 2027-28. The Petitioner's submissions and the Commission's analysis on approval of the Business Plan for PTCUL for the fifth Control Period from FY 2025-26 to FY 2027-28 are detailed below:

3.4 Capital Expenditure Plan and Capitalisation Plan

3.4.1 Petitioner's Submissions

PTCUL has proposed infrastructure development through increased transmission network capacity to improve the Uttarakhand power system. The increase in transmission network of PTCUL over the current MYT Control Period and that proposed for the ensuing Control Period is as shown in the Table below:

Table 3.1: Transmission Network of PTCUL

Particulars	Units	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28
Sub-Stations						
400 kV	No.	03	03	03	03	05
220 kV	No.	11	12	12	16	17
132 kV	No.	31	31	31	37	38
66 kV	No.	04	04	04	04	04
Total	No.	49	50	50	60	64
Sub-Stations						
400 kV	MVA	2,615	2,615	2,615	3,115	4,175
220 kV	MVA	3,690	3,900	3,900	5,970	6,890
132 kV	MVA	2,764	2,824	2,864	3,672	4,097
66 kV	MVA	68	68	68	128	128
Total	MVA	9,137	9,407	9,447	12,885	15,290
Line Length						
400 kV	ckt. km	418	626	628	628	676
220 kV	ckt. km	1,055	1,111	1,111	1,212	1,239
132 kV	ckt. km	1,830	1,874	1,918	2,261	2,337
66 kV	ckt. km	205	205	205	259	267
Total	ckt. km	3,508	3,816	3,862	3,865	4,519

PTCUL while developing the Capital Expenditure Plan has considered the congestions points currently being encountered by PTCUL. The Table below lists the constraints observed in the network, the mitigation actions being currently undertaken and status of the said actions.

Table 3.2: Constraints in PTCUL's Network and Mitigation Actions

Sl. No.	Constraint in Intrastate transmission system as per SLDC	Proposed/Under Implementation Transmission Projects by STU
1.	132 kV Substation Ranikhet	Presently, 220 /33 kV S/s is proposed at Thal which can be augmented into 220/132 kV in Phase II. Further, 132 kV line from Thal to 132 kV S/s Bageshwar and proposed 132 kV S/s Kapkot will eliminate the constraint of Radial Feeder and provide ring circuit for 132 kV S/s Bageshwar, 132 kV Ranikhet. Also 132 kV line from 132 kV S/s Almora to proposed 132 kV S/s Bhikyasain can also eliminate the constraint of Radial Feeder.
2.	132 kV Substation Bageshwar	
3.	132 kV Substation Simli	Augmentation of 132/66 kV, 3x20 MVA T/F at Simli Substation along with LILO of 66 kV Kothiyalsain-Karanprayag line will provide N-1 contingency to 132 kV S/s Simli
4.	132 kV Substation Srinagar	Augmentation of 132/66 kV, 3x20 MVA T/F at Simli Substation along with LILO of 66 kV Kothiyalsain-Karanprayag line will provide N-1 contingency to 132 kV S/s Srinagar
5.	132 kV Substation ELDICO Sitarganj	Construction of 132 kV Kichha - ELDICO Sitarganj line is under progress. Presently, held up due to RoW issue near Kichha. After commissioning of this line their will be N-1 contingency for 132 kV ELDICO Sitarganj.
6.	220 kV lines at 220 kV Substation Haldwani	Proposal for construction of 220 kV LILO of 220 kV Kashipur (400 kV S/s) - 220 kV Pantnagar at Barhaini (BAZPUR) to connect 220 kV S/s Kamaluaganja, Haldwani will be explored by using existing corridor of 132 kV BJP - KLG line on multi voltage/multi - circuit towers.
7.	132 kV lines at 132 kV Substation Kichha	Proposal for conductor ampacity increment of 132 kV Sitarganj Kichha Line and 132 kV Sitarganj (PGCIL) -ELDECO Sitarganj Line have been already proposed. The DPR of said work has already approved by PTCUL BoD and approved DPR has been submitted to the UERC for investment approval.
8.	132 kV lines at 132 kV Substation Jaspur	Construction of 132 kV D/c Jaspur-Mahuwakheraganj line has been proposed under ADB scheme to provide N-1 contingency. Also, capacity enhancement of 132 kV Kashipur (400 kV) Jaspur line by replacement of old ACSR Panther Conductor with HTLS conductor is proposed.
9.	132 kV lines at 132 kV Substation Almora	220/132 kV S/s Almora will be constructed in future for N-1 contingency for 132 kV Almora will be connected to 220/132 kV S/s Almora in future.
10.	132 kV lines at 132 kV Substation Pithoragarh	Under Construction 132/33 kV S/s Lohaghat will reduce Loading on 132 kV Pithoragarh-Chandak line. Proposed 220/132 kV S/s Almora will reduce Loading of 132 kV Almora-Pithoragarh-Chandak line.
11.	132 kV lines at 132 kV Substation Purkul	Construction of 132 kV Bindal-Purkul line is under progress.
12.	132 kV lines at 132 kV Substation Bindal	Construction of 132 kV Bindal-Purkul line is under progress.
13.	132 kV lines at 220 kV Substation Rishikesh	Reconductoring of existing 132 kV Rishikehs-Bhupatwala line has been proposed on high ampacity conductor.
14.	132 kV line at 132 kV Substation Kotdwar	Reconductoring of existing 132kV Chilla-Padartha-Kotdwar line has been proposed on high ampacity conductor.
15.	132 kV lines at 132 kV Substation Kashipur	Reconductoring of existing 132 kV Kashipur-Kashipur(400KV) circuit 1&2 has been proposed on high ampacity conductor.
16.	132 kV lines at 132 kV Substation Bazpur	Stringing of S/c of 132 kV Bazpur-Kashipur (400 kV) is completed on date 07.08.2024. Now there is no. N-1 contingency.
17.	132 kV lines at 132 kV Substation Kathgodam.	Necessary connection of 132 kV TSS Lalkuan with 220 kV S/s Pantnagar as well as 132 kV S/s Kathgodam (Haldwani) will be done by making T Connection at Tower no. 70 at the earliest. In normal conditions TSS will be fed from 220 kV S/s Pantnagar so that the Load can be managed at 132 kV S/s Kathgodam (Haldwani). Further, 132 kV S/s Kathgodam (Haldwani) will have additional supply source from Pantnagar.
18.	220 kV lines at 220 kV Substation Roorkee.	400/220 kV S/s Roorkee has been proposed to provide N-1 contingency and reliability of power supply in Roorkee area. Proposal of increasing ampacity of the said 220 kV Roorkee-Puhana (PGCIL) line by replacing ACSR Conductor has been submitted to UERC for investment approval.
19.	220 kV lines at 220 kV Substation Jhajhra.	Termination of the LILO of 220 kV Sherpur-Jhajra at 120 MW Vyasi HEP (UJVNL) for direct connection at 400 kV substation Sherpur (PGCIL) with a line length of

Table 3.2: Constraints in PTCUL's Network and Mitigation Actions

Sl. No.	Constraint in Intrastate transmission system as per SLDC	Proposed/Under Implementation Transmission Projects by STU
		approx. 2.5 Km.
20.	220 kV lines at 220 kV Substation Piran Kaliyar.	Line length of 20 kV Piran Kaliyar Puhana Line -I - 19.47 km Line length of 20 kV Piran kaliyar Puhana Line -II - 7.086 km. Due to difference in these line lengths Load sharing of 220 kV Piran Kaliyar Puhana line I & II are in the ration of 1:2.5 which leads to over Loading of 220 kV Piran Kaliyar Puhana Line -II. To overcome above constraints and due to shortage of proper space for 220 kV AIS Bay for 220 kV Piran Kaliyar Puhana line III at 220 kV S/s Piran Kaliyar preparation of DPR for 220 kV hybrid bay for 220 kV Piran Kaliyar line III at 220 kV S/s Piran Kaliyar is under progress.
Constraints in STU observed by SLDC in High Loading Lines		
1.	220 kV Rishikesh-SIDCUL line.	Replacement of old ACSR Zebra Conductor with HTLS conductor of 220 kV Rishikesh SIDCUL Line and 220 kV Rishikesh SIDCUL Line and 220 kV Piran Kaliyar SIDCUL line has been proposed. The DPR of the said work have already been approved by the PTCUL BoD and approved DPR has been submitted to the Hon'bel UERC for investment approval.
2.	220 kV Pantnagar-Bareilly line.	400/220/132/33 kV S/s Khurpia Farm has been proposed in Business Plan.
3.	132 kV Laltappar-Rishikesh line.	Reconductoring of 132 kV Laltapper-Rishikesh line, 132 kV Majra-Jharjra line with high ampacity conductor has been proposed in Business Plan and 132 kV Bindal-Purkul line is under construction
4.	132 kV Majra-Jhajhra line.	Reconductoring of 132 kV Majra-Jhajra line with high ampacity conductor has been proposed in Business Plan.
5.	220 kV Pantnagar-Bareilly line.	400/220/132/33 kV S/s Khurpia Farm has been planned.
6.	132 kV Laltappar-Rishikesh line.	Reconductoring of 132 kV Laltapper-Rishikesh line, 132 kV Majra-Jharjra line and 132 kV Bindal-Purkul line with high ampacity conductor has been proposed by O&M wing.
7.	132 kV Line Sitarganj – Pilbhit Line	The said line is of year 1956. The ACSR wolf conductor of line has worn out, which needs to be replaced. The work of strengthening of earthing of line, PID of insulator strings, erection of additional towers have been proposed.

PTCUL has projected the peak demand and energy transmitted by the transmission system for the MYT Control Period are as shown in the Table below:

Table 3.3: Peak Demand and Energy Transmitted

Particular	Units	FY 2025-26	FY 2026-27	FY 2027-28
Peak Demand	MW	3,072	3,249	3,433
Energy Delivered to distribution System	MUs	22,269.50	23,154.50	24,039.50

The following works have been proposed for the fifth Control Period as part of Project Schemes under PTCUL's Capital Investment Plan. These schemes commensurate with Load growth and performance improvement.

Table 3.4: Projects Proposed to be executed during the Fifth Control Period

Sl. No.	Name of the Transmission lines	Estimated DPR cost (Rs. Crore)	Date of Completion
FY 2025-26			
	400 kV Sub-Station		
1.	Upgradation of Substation Automation System (SAS) at 400 kV, Substation, Srinagar (G), 220 kV Substation, Kamaluaganja, and 220 kV Substation, Jafarpur	17.48	Dec-25
	132 kV Lines		
2.	Replacement of old wolf/Panther Conductor with HTLS Conductor of 132kV Laksar-Manglore Line	29.46	Mar-26
3.	Replacement of Panther conductor of Majra-Jhajhra Line with HTLS Conductor	19.19	Mar-26
	132 kV Sub-Station		
4.	Increasing Capacity of 132 kV Substation Manglore by Procurement, Installation & Commissioning of 132/33 kV, 1 x 80 MVA Transformer	16.91	Sep-25
5.	SAS and BCU upgradation at 220 kV Substation Jhajhra, Dehradun	4.66	May-25
6.	Construction of new 132/33 kV bay, foundation of 40 MVA transformer and its associated works at 132 kV substation Jwalapur under 220 kV O&M Division SIDCUL, Haridwar.	4.98	Sep-25
	MISC. WORKS		
7.	Supply and erection of online transformer oil moisture removal system at various Substation under O&M Circle Roorkee	4.38	Jun-25
8.	Procurement and installation of online dry out system at various Substations of Kumaon Zone	4.38	Jun-25
	CIVIL WORKS		
	O& M Civil Division, Roorkee		
9.	220 kV S/S Piran Kaliyar (Haridwar): Renovation of boundary wall and const of nalla	6.70	Mar-26
10.	132 kV S/S Majra, Dehradun: Construction of Guest house at 132 kV S/S at Majra Campus Dehradun	8.37	Mar-26
11.	132 kV Single circuit Kulhal-Dhalipur Transmission Line: Construction of well foundation at Tower Location No 17(A) and 16 of 132 kV Single circuit Kulhal-Dhalipur Transmission Line	3.26	Mar-26
	O& M Civil Division, Haldwani		
12.	Construction of Well foundations at Tower Location No 76 of 132 kV Bazpur - Haldwani Transmission line	1.74	Mar-26
13.	Construction of approach road for office and residences at 220 kV S/S Kamaluaganja, Haldwani	0.58	Dec-25
14.	Construction of approach road for office and residences at 132 kV S/S Kathgodam	1.56	Dec-25
15.	Construction of boundary wall at 220 kV S/S at Kamaluaganja	3.79	Dec-25
16.	Construction of Well foundation and pile foundation at 132 kV Kashipur - Bazpur Transmission Line, Kashipur	2.36	Mar-26
17.	Construction of Well foundation of 400 kV Kashipur-Mordabad-Nehtaur Transmission Line, Kashipur	7.37	Mar-26
18.	Construction of Well foundation of 132 kV Kalagarh-Ramnagar and Jaspur - Kashipur DC Transmission line, Kashipur	1.62	Mar-26

Table 3.4: Projects Proposed to be executed during the Fifth Control Period

Sl. No.	Name of the Transmission lines	Estimated DPR cost (Rs. Crore)	Date of Completion
19.	Construction of Well foundation of 220 kV Kashipur-Pantnagar Transmission line	1.62	Mar-26
20.	Construction of approach road at 132 kV S/S Almora	0.76	Dec-25
	Civil Project, Srinagar (G)		
21.	Construction of project office at 132 kV Srinagar	0.40	Mar-26
	Total	141.57	
FY 2026-27			
	400 kV LINES		
1.	Procurement of 01 no. Set if Emergency Restoration system tower for 400 kV, 220 kV, and 132 kV suspension / tension tower) line	20.20	May-26
	400 kV Sub-Station		
2.	Erection and commissioning of new bay for existing 50 MVAR Reactor at 400 kV Substation Rishikesh	4.11	Apr-26
3.	Procurement of 500 MVA 400/220 kV transformer alongwith NIFPES & construction of 400 kV and 220 kV (AIS) bays alongwith transformer plinth for erection, testing & commissioning of 500 MVA 400/220KV transformer and its associated work at 400 kV substation Kashipur.	77.07	Aug-26
4.	Procurement & erection of 125 MVAR reactor alongwith its associated bay and related work at 400KV S/S Kashipur	36.20	Aug-26
	220 kV LINES:		
5.	Ampacity Enhancement of 220 kV Roorkee-Puhana Line with HTLS Conductor	13.95	May-26
6.	Replacement of old ACSR Zebra Conductor with HTLS Conductor for 220KV Piran Kaliyar-SIDCUL line	25.95	Sep-26
7.	Replacement of old ACSR Zebra Conductor with HTLS Conductor of 220 kV SIDCUL-Rishikesh Line	35.63	May-26
8.	Replacement of old Deer Conductor with HTLS Conductor of 220 kV IIP-Rishikesh Line	47.84	Mar-27
9.	LILO of 220 kV Bareilly-Pantnagar line at proposed 220/132/33 kV Substation Khurpiya Farm (4.0 km)	13.63	Nov-26
10.	Construction of LILO of 220 kV NHPC (Tanakpur)-CB Ganj Line at proposed 220 kV substation Banbasa (Tanakpur)	3.53	Nov-26
11.	Construction of Termination of LILO of 220 kV Sherpur-Jhajhra at Vyasi HEP for directly at 400 kV Substation, Sherpur (PGCIL) (2.5 kms.)	85.95	Apr-26
12.	Construction of LILO of 220 kV Khodri-Jhajra line at proposed 220 kV Substation Selaqui Dehradun with Underground Cable	17.98	Jul-26
13.	LILO of 220 kV Roorkee - Nara Line at 220 kV Sub Station Manglore	4.70	Sep-26
	220 kV Sub-Station		
14.	Augmentation of Transformer capacity from 2x160MVA (220/132 kV) to 3x160MVA (220/132 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 160 MVA (220/132 kV) Transformer at 220 kV Substation Rishikesh.	27.14	Apr-26
15.	Augmentation of Transformation Capacity by replacement of 220/33kV, 25 MVA T/F with 220/33 kV, 50 MVA Transformer and	19.65	Dec-24

Table 3.4: Projects Proposed to be executed during the Fifth Control Period

Sl. No.	Name of the Transmission lines	Estimated DPR cost (Rs. Crore)	Date of Completion
	associated works at 220 kV Substation, Chamba under 220 kV O&M Division, Chamba (Tehri Garhwal).		
16.	Increasing Capacity of 220 kV Substation Roorkee by Procurement, Installation & Commissioning of 220/33 kV, 2x100 MVA Transformer	50.17	Nov-26
17.	Augmentation of 220 kV substation Piran Kaliyar from 2x50 MVA to 2x100 MVA Transformer at 220/33 kV Voltage level	52.54	Nov-26
18.	Increasing capacity of 220 kV Sub-station SIDCUL, Haridwar from 2X80(132/33 kV) Transformer to 3X80 MVA (132/33 kV) Transformer	26.19	May-26
19.	Augmentation of Transformer capacity at 220 kV S/S SIDCUL, Haridwar from 2X80 MVA (132/33 KV) + 1X50 MVA (220/33 KV) +1X25 MVA (220/33 KV) to 2X80 MVA (132/33 KV) + 2X50 MVA (220/33 KV)	16.86	Apr-26
20.	Augmentation of Transformer capacity from 2x160MVA (220/132 kV) to 3x160MVA (220/132 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 160 MVA (220/132 kV) Transformer at 220 kV Substation Jhajhra.	63.75	Jun-26
21.	Augmentation of Transformer capacity from 2x80MVA (132/33 kV) to 3x80MVA (132/33 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 80 MVA (220/132 kV) Transformer at 220 kV Substation Jhajhra.		
22.	Augmentation of Transformation Capacity of 220/33kV, 2x50 MVA T/F with 220/33 kV, 2x50+1x100 MVA Transformer and associated works at 220 kV GIS Substation, IIP, Harrawala under 220 kV O&M Division, Harrawala, Dehradun.	36.16	Dec-26
23.	220/132/33 kV AIS Substation Khurpiya Farm, Kichha	331.81	Nov-26
24.	220/33 kV Substation, Banbasa	212.08	Nov-26
25.	220/33 kV Substation Rudrapur (Baramwari)	210.92	Dec-26
26.	Construction of 220/33 kV Substation Selaqui, Dehradun	130.19	Jul-26
27.	220KV Sub Station Manglore (2x160 MVA and 2x40 MVA)	140.32	Aug-26
	132 kV Lines		
28.	Replacement of old Panther Conductor with HTLS Conductor and power cable work of 132 kV Piran Kaliyar-Bhagwanpur-LSM-Roorkee line & 132 kV Piran Kaliyar-Chudiyala-Roorkee line	78.90	Sep-26
29.	Replacement of old ACSR Panther Conductor with HTLS Conductor of 132 kV Rishikesh-T Point-Chilla-Bhupatwala Line	31.37	Apr-26
30.	Replacement of Panther conductor of Majra-Laltappar Line with HTLS Conductor	33.68	Mar-27
31.	Replacement of Panther conductor of 132kV Bindal-Rishikesh Line with HTLS conductor	55.38	Nov-26
32.	Replacement of Old Panther Conductor of 132 kV Purkul -Jhajra line with HTLS conductor.	27.63	Mar-27
33.	LILO of 132 kV Majra-Laltappar at proposed 132 kV S/s Araghar Dehradun through 132 kV Underground Cable	29.39	Jul-26
34.	LILO of 132 kV Manglore-Asahi line & Manglore - Air Liquide Line at 220 kV Sub Station Manglore	2.55	Jul-26

Table 3.4: Projects Proposed to be executed during the Fifth Control Period

Sl. No.	Name of the Transmission lines	Estimated DPR cost (Rs. Crore)	Date of Completion
35.	Replacement of Old ACSR Panther Conductor of 132 kV Jaspur to Kashipur (400) line including LILO 0.5 km(18.0kms) with HTLS conductor.	23.51	Dec-26
36.	Design, testing manufacturing, supply and stringing of HTLS Conductor along with replacement of ACSR Panther Conductor in 132 kV Sitarganj (PGCIL)-ELDECO Sitarganj single circuit line (22.0km) and first circuit of 132 kV Sitarganj-Kichha line (31.5kms).	59.42	Aug-26
37.	Ampacity increment of 132 kV Haldwani-Kathgodam Line single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	9.98	Oct-26
38.	Ampacity increment of 132 kV Kathgodam-Bhowali single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	17.54	Oct-26
39.	LILO of 132 kV Kathgodam-Rudrapur at 132 kV substation, Dhaulakhera	1.04	Jul-26
40.	LILO of 132 kV Khatima - Sitarganj Line at 132/33 kV substation at Khatima - ii	1.74	Jul-26
41.	Stringing of Second circuit of 132 kV D/C Transmission line on Panther conductor from Pithoragarh (PGCIL) - Champawat (Lohaghat)	6.77	Jul-26
42.	LILO of 132 kV Kichha Rudrapur Line at Proposed 220/132/33 kV Substation Khurpiya Farm (4.0 km)	10.82	Dec-26
43.	LILO of 132 kV of Kashipur -Mahuakeraganj Line at 132 kV substation at Sarvarkhera	17.95	Mar-27
	132 kV Sub-Station		
44.	Augmentation of Transformer capacity from 1x20MVA (132/33 kV) +1x12.5MVA (132/33 kV) to 1x 20(132/33kV) +1x 40 MVA (132/33kV) at 132kV IDPL Substation, under 220 kV O&M Division, Rishikesh.	15.36	Apr-26
45.	Augmentation of 132kV Substation from 3x40MVA T/F to (2x40MVA+1X80 MVA) at 132kV S/s Laksar	24.36	Apr-26
46.	Augmentation of Transformer capacity from 2x20 MVA (132/33 kV) to (2x40) MVA (132/33 kV) at 132 kV Substation Simli (Karanprayag).	28.12	Dec-26
47.	Construction of 132/33 KV, 2x40 MVA AIS substation, Sarvarkhera, US Nagar	148.93	Mar-27
48.	Augmentation of Transformer capacity from 3x40MVA (132/33 kV) to 2x40 +1x 80 MVA at 132kV Substation Majra, under O&M Division, Yamuna Colony, Dehradun	23.35	Jul-26
49.	Augmentation of transformer capacity from 3x40 MVA to (2x80+1x40) MVA at 132 kV substation Kashipur.	56.52	Mar-27
50.	Increasing Capacity of 132 kV Substation Bhowali from (2x20+3x5) MVA to (2x20+3x15) MVA.	27.23	Sep-26
51.	Augmentation of transformer capacity of 132 kV substation Kichha from 3x40MVA to 1x80 MVA+2x40 MVA.	23.94	Nov-26
52.	Augmentation of transformer capacity from 80 MVA (2X40 MVA) to 160 MVA (2X40 MVA + 1X80 MVA) including construction of	24.44	Dec-26

Table 3.4: Projects Proposed to be executed during the Fifth Control Period

Sl. No.	Name of the Transmission lines	Estimated DPR cost (Rs. Crore)	Date of Completion
	associated 132 kV & 33 kV bays at 132 kV Substation Kathgodam, Haldwani.		
53.	Augmentation of Transformer Capacity from 40 MVA (2 X20 MVA) to 60 MVA (3X20MVA) including Replacement of old 132/33 kV, (1X20MVA) Transformer-III with a New (1X20) MVA Transformer at 132 kV substation, Almora.	23.70	Mar-27
54.	Replacement & augmentation of old 2x3x5 MVA Transformer banks with new 2x20 MVA at 132 kV Substation Ranikhet under O&M division Almora.	23.03	Mar-27
55.	Construction of 132/33 KV, 2x40 MVA GIS substation, Araghar	86.68	Jul-26
56.	Construction of 132/33 KV, 2x40 MVA GIS substation, Dhaulakhera	90.60	Jul-26
57.	Construction of 132/33 KV, 2x40 MVA GIS substation, Khatima	95.85	Jul-26
58.	Construction of 132/33 KV, 2x40 MVA GIS substation, Lohaghat	94.74	Jul-26
59.	Replacement of old 132 / 33 kV 20 MVA transformer with new 132/33 kV 20 MVA Transformer at 132 kV Substation Ranikhet	8.18	May-26
	66 kV Lines		
60.	Strengthening of 66 kV Roorkee-Thithki-Mohammadpur D/C Line	51.21	Oct-26
61.	Construction of 66 kV D/C line for LILO of 66 kV Karanprayag - Kothiyalsain line at 132 kV Substation, Simli	9.92	Apr-26
	66 kV SUB STATIONS		
62.	Increasing Capacity of 66 kV Substation Thithki (Manglore) by Procurement, Installation & Commissioning of 66/33 kV, 2x30 MVA Transformer	12.55	Nov-26
	33 kV Voltage Level		
63.	Supply, Erection, Testing and Commissioning of 33 kV 20 MVAR (2x2x5) Capacitor Bank and 33 kV AIS Bay at 220 kV Sub-Station Jafarpur", Supply, Erection, Testing and Commissioning of 2x5 MVAR Capacitor Bank and 33 kV GIS Bay for Capacitor Bank at 132 kV GIS Substation Bageshwar" and "Supply, Erection, Testing and Commissioning of new 1x10 MVAR Capacitor Bank at 220 kV Substation Pantnagar.	10.15	Mar-27
	Miscellaneous Works		
64.	Construction of 132 kV and 66 kV Bays and installation of 3x20 MVA 132/66 kV T/F at 132 kV Substation, Simli.	37.49	Dec-26
65.	Route alignment of Tower no RD ii 63 to Tower no RD ii 66 of 220 kV Rishikesh Dharasu ckt. transmission line from land sliding zone to safer zone near Aleru village Tehri (G)	12.76	Apr-26
66.	132kV bay at 132kv S/s Kichha	2.16	Dec-26
	Civil Works		
	O& M Civil Division, Roorkee		
67.	Chief Office (Garhwal zone) 26- Civil lines Roorkee: Construction of Chief (Garhwal zone) & SE office Transmission Roorkee	3.67	Jun-26
68.	220/132 kV S/S Ramnagar, Roorkee: Earth filling and land development work backside of 220/132 kV switchyard	10.26	Mar-27
69.	220/132 kV S/S Ramnagar, Roorkee: Improvement of drainage system	5.22	Oct-26

Table 3.4: Projects Proposed to be executed during the Fifth Control Period

Sl. No.	Name of the Transmission lines	Estimated DPR cost (Rs. Crore)	Date of Completion
70.	132 kV S/S Satpuli: Construction of boundary wall of substation	5.06	Dec-26
	O& M Civil Division, Haldwani		
71.	Construction of 8 no Type-ii quarters (D/S), 2 no's Type-iii quarters (D/S) after demolition and dismantling of 2 block (8 no's each) of type-i and 1 block of 4 nos. each of type-ii and development work and approach road to colony at 132 kV S/S Bhowali	4.05	Oct-26
72.	Estimate of Construction of "Establishment of NABL Accredited Specialized Equipment Test Laboratory (SETL) with associated office, Project Management and Monitoring office buildings with Transit hostel at 132 kV S/S Kathgodam	14.46	Mar-27
73.	Construction of 1 nos. Type- IV residences at 132 kV S/S Kicha	0.61	Aug-26
74.	Construction of boundary wall at 132 kV S/S Almora	6.50	Dec-26
75.	Construction of 2nos Type- ii residences at 132 kV S/S Ranikhet	0.55	Aug-26
76.	Construction of central store and development works at 400 kV S/S Kashipur	14.20	Dec-26
	Civil Project, Dehradun		
	Construction of central store etc. at 220 kV S/S Rishikesh	13.77	Mar-27
	Total	3,121.81	
FY 2027-28			
	400 kV LINES		
1.	LILO of 400 kV Bareilly-Kashipur line at proposed 400 kV Substation Khurpiya Farm (24.0 KM)	233.96	Nov-27
	400 kV Sub Stations		
2.	400/220 kV AIS Substation Khurpiya Farm, Kichha	339.98	Nov-27
3.	Extension of 400 kV Switching Sub-station Pipalkoti to 400/132 kV sub-station GIS Pipalkoti (3x20 MVA) (with 1x20 MVA spare)	156.62	Mar-28
	220 kV Lines		
4.	220 kV DC line from 400/220 kV substation Puhana to proposed 220/132/33 kV SS Raipur and underground line.	115.53	Nov-27
	220 kV Sub Stations		
5.	Augmentation of 220 kV substation Piran Kaliyar from 2x100 MVA to 2x160 MVA Transformer at 220/132 kV Voltage level	55.09	Apr-27
6.	Augmentation of Transformer Capacity from 2X100MVA to 2X160MVA at 220 kV S/s Mahuakheraganj	65.33	Oct-27
7.	Supply, Erection, Testing & Commissioning of 160MVA 220/132 kV Transformer alongwith its associated 220KV and 132 kV Bays at 220 kV S/s Pantnagar	37.42	May-27
8.	Augmentation of transformer capacity from 120 MVA (3X40 MVA) to 160 MVA (2X40 MVA + 1X80 MVA) at 220 kV Substation Kamaluaganja, Haldwani.	24.79	May-27
9.	220/132/33 kV AIS Substation Raipur (2x160 MVA (220/132 kV) and 2x80 MVA (132/33 kV)	283.10	Nov-27
	132 kV Lines		
10.	Replacement of Panther conductor of 132kV Bindal-Majra Line with HTLS conductor.	11.14	Sep-27
11.	LILO of 132 kV Bhagwanpur-LSM line at proposed 220/132/33 kV	45.52	Nov-27

Table 3.4: Projects Proposed to be executed during the Fifth Control Period

Sl. No.	Name of the Transmission lines	Estimated DPR cost (Rs. Crore)	Date of Completion
	SS Raipur, Roorkee and underground line		
12.	132kV DC Pipalkoti (400 kV Substation Pipalkoti) to 132/66/33 kV GIS Substation Pipalkoti transmission line	31.30	Mar-28
13.	Replacement of old ACSR Panther conductor of 132 kV Kashipur (400) to Kashipur, S/C CKT-1 line and 132 kV Kashipur, S/C CKT-2 line with high ampacity with HTLS Conductor.	17.35	Aug-27
14.	132kV 2 phase line on d/c towers from 132 kV S/s Kichha to TSS Lalkuwan (19.3 km)	12.45	Dec-27
	132 kV Sub Station		
15.	Increasing Capacity of 132 kV Substation Roorkee by Procurement, Installation & Commissioning of 132/33 kV, 1 x 80 MVA Transformer	21.69	Apr-27
16.	Increasing Capacity of 132 kV Substation Manglore by Procurement, Installation & Commissioning of 132/33 kV, 80 MVA Transformer	22.40	Apr-27
17.	Estimate for Increasing Capacity of 132 kV Substation Bhagwanpur by Procurement, Installation & Commissioning of 132/33 kV, 80 MVA Transformer.	24.16	Apr-27
18.	Augmentation of transformer capacity from 3X40 MVA (132/33 kV) to 3X40+1X80 MVA (132/33 kV) by procurement, installation, testing & commissioning of 1 no 132/33 KV, 80 MVA Transformer & its associated work at 132 kV S/S Jwalapur	23.55	May-27
19.	Augmentation of Transformer capacity from (40+20) MVA (132/33 kV) to (2x40) MVA (132/33 kV) and (20+3x5) MVA (132/66 kV) to (20+40) MVA (132/66 kV) at 132 kV Substation Srinagar.	27.72	Jun-27
20.	Construction of 02 Nos. 132 kV Bays at 132 kV Substation, Satpuli	7.71	Jun-27
21.	132/66/33 kV Substation Pipalkoti (3x20 MVA)	257.95	Mar-28
22.	Augmentation of transformer capacity from 100 MVA (2X40 MVA+1X20 MVA) to 120 MVA (3X40 MVA) at 132 kV substation Rudrapur.	3.12	Aug-27
23.	Augmentation of Transformer capacity from 2x40MVA (132/33 kV) to 2x 40 MVA (132/33kV) + 1*80 MVA at 132 /33 kV Substation Purkul Dehradun	23.47	Apr-27
	66 kV Lines		
24.	Strengthening of 66 kV Srinagar-Joshimath line by replacement of Tubular Poles Structure with Tower Structure.	12.60	Jun-27
	33 kV Sub Stations		
25.	Removal of defective 2x2x5 MVAR Capacitor banks at 132 kV S/s Kashipur and 2X5MVA at 132 kV S/s Jaspur with installation of new 2X2X5 MVAR Capacitor banks at 132 kV S/s Kashipur and 132 kV S/S Jaspur under 400 kV O&M Circle, Kashipur.	8.12	Jul-27
	Miscellaneous Works		
26.	LILO of 66 kV Kothiyalsain-Joshimath transmission line at proposed 132/66/33 kV GIS sub-station Pipalkoti	10.59	Mar-28
27.	Supply and Erection Substation Automation System (SAS) at 39 Substations of PTCUL.	283.15	Mar-28
	CIVIL WORKS		

Table 3.4: Projects Proposed to be executed during the Fifth Control Period

Sl. No.	Name of the Transmission lines	Estimated DPR cost (Rs. Crore)	Date of Completion
	O& M Civil Division, Roorkee		
28.	132 kV S/S Bindal, Dehradun: 1. Construction of Type -iii Residence (D/S) and Land development work	5.80	Aug-27
29.	132 kV S/S Bindal, Dehradun 2. Construction of community hall	4.67	Sep-27
30.	220 kV S/S Chamba (Tehri Garhwal): 1. Dismantling of Type- iii old residence and Construction of 06 Nos Type-iii Residence	4.45	Oct-27
	O& M Civil Division, Haldwani		
31.	Construction of 2 nos. Type- IV residences at 132 kV S/S Almora	1.18	Aug-27
	Total	2,171.91	

The works mentioned above aims at relieving excess load, augmenting the existing capacity of the Transmission network, mitigating the constraints faced by the system and meeting the increasing demands and needs of the generation and distribution sectors. Some of the major projects are being submitted as part of the Capital Investment Plan as System Strengthening / Augmentation / Improvement Schemes and are summarised below:

i. Construction of 132/66/33kV GIS Substation Pipalkoti by extension of 400 kV GIS Switching Substation to 400/132kV GIS Substation at Pipalkoti and Construction of associated 132 kV and 66 kV line.

To ensure continuous and reliable power supply to the Badrinath region and other significant areas in the Chamoli district, including strategic defence zones, the establishment of an alternative 132 kV network at Pipalkoti is imperative. The current single 66 kV feeder from Srinagar (Garhwal) serves Pipalkoti, Joshimath, and important locations like Badrinath, Hemkund Sahib, and defence installations, but it faces frequent outages due to monsoon-related faults, forest fires, and landslides, leading to interruptions in power supply. Additionally, the 66 kV line, constructed 38 years ago, and the substation at Joshimath require significant upgrades due to land subsidence and increasing Load demand from expanding tourism and industrial activities.

To address these challenges, a 400/132 kV GIS substation is proposed as an extension of the 400 kV GIS substation already planned within THDC premises at Pipalkoti. This extension will support the proposed 132/66/33 kV substation at Pipalkoti, strengthening the transmission system at the 132 kV level and providing reliable power supply to the distribution utility for improved network performance. The Commission has previously

highlighted the importance of proper planning for this critical network, given its role in serving strategic defence areas and iconic religious sites.

This project will not only enhance grid reliability and meet N-1 contingency criteria but also ensure a stable and quality power supply to support the growing Load demand in this critical region.

ii. Construction of 220/33 kV GIS (6x10 MVA) Substation Baramwari (Rudrapur).

The construction of a 220/33 kV GIS (6x10 MVA) substation at Baramwari (Rudrapur) is crucial for the evacuation of power from the upcoming 76 MW Phatabyung Hydroelectric Project (HEP) at the 220 kV voltage level, as well as from smaller hydro projects like Kaliganga-I (4 MW), Kaliganga-II (4.5 MW), and Madhyamaheshwar (15 MW) at the 33 kV voltage level. This substation will establish a reliable and robust power evacuation network for these generators, ensuring stable supply and operational efficiency.

The meeting was held on 25-Sep-2017 in CEA, New Delhi to discuss the issues related to UITP Scheme. As per the MoM of said meeting due to uncertainty in implementation of 76 MW Phatabyung Hydroelectric Project (HEP), PTCUL was advised to implement the construction of 220 kV Bramwari Srinagar Line in two phases. The Phase II and 220 kV Bramwari switching Sub-Station to be taken up for implementation matching with the time frame of 76 MW Phatabyung Hydroelectric Project (HEP). After resolvent of NCLT, of 76 MW Phatabyung Hydroelectric Project (HEP) was acquired by the M/s Statkraft under special purpose vehicle as Lanco Mandakini Hydro Energy Pvt. Ltd. & is expected to be commissioned by December 2027. Accordingly, the generator has applied for connectivity to CTUIL under CERC GNA Regulation, 2022 on 11-Jul-2023 and intimation of in-principle grant of connectivity to generator was issued by CTUIL vide letter dt. 15-Feb-2024. The point of connectivity as per the above said intimation is 220 kV Bramwari S/s (Deemed ISTS).

The proposal for the substation has been endorsed by the Director (Operations) of UPCL through letter no. 5163 dated 28.12.2023 and has received investment approval from UERC. The execution proposal submitted by M/s Braithwaite & Company Ltd., has been accepted by PTCUL via letter no. 397 dated 22.07.2024 and MoU with M/s Braithwaite & Company Ltd. has been signed on 13 September 2024.

This substation will not only enhance the reliability of the power supply but also ensure a proper and efficient evacuation network to accommodate the growing capacity of upcoming hydro projects in the region.

iii. Construction work for 220/33 kV (6x10MVA) GIS substation at Ghansali.

To enhance the reliability of the power supply, reduce line and generation losses, and establish a robust evacuation network for existing and upcoming solar and hydro projects, the immediate construction of a 220/33 kV GIS substation in the Ghansali area is crucial. This proposed substation will facilitate efficient evacuation of power from the Bhilangana-III SHP (3x8 MVA, operated by M/s BHPL) and the planned Bhilangana-IIA SHP (3x8 MVA, under M/s UJVNL), ensuring a reliable and sustainable power network.

The proposed substation at Ghansali will play a pivotal role in reducing losses, stabilizing the power network, and providing a reliable evacuation system for the growing capacity of renewable energy projects in the region.

iv. Construction work for Extension/Augmentation of Existing 132/33 kV S/s Majra to 220/132kV (2X160MVA) GIS substation Majra and LILO of 220 kV Jhajra-IIP Harrawala Line at proposed 220/132kV GIS Substation Majra Dehradun through 220 kV underground cable including Construction of Residential Colony & Associated Development works at 132 kV S/s Majra, Dehradun.

To address the growing power demand and ensure a reliable transmission network in the Dehradun area, the proposed extension and augmentation of the existing 132/33 kV substation at Majra to a 220/132 kV (2x160 MVA) GIS substation is critical. This project includes the LILO of the 220 kV Jhajra-IIP Harrawala line at the proposed GIS substation using 220 kV underground cables. Based on site visits and system studies for transmission system strengthening, this augmentation is necessary to meet N-1 contingency criteria, improve the voltage profile, and enhance the reliability of power supply in the region.

The Majra substation is both technically and logistically feasible, with sufficient land available for the proposed augmentation. The detailed system study ruled out the feasibility of an alternative solution involving the augmentation of the IIP Harrawala

substation due to potential overloading issues. Consequently, the Majra substation extension is the most viable option to accommodate future Load growth and ensure network stability.

Additionally, in light of upcoming projects such as the construction of the 132 kV GIS substation at Araghar, the 220 kV GIS substation at Selaqui, and the expansion of the Majra substation, a residential colony is proposed at the Majra campus. This colony will cater to the accommodation needs of project, O&M, civil, and supporting staff, with sufficient land already available on-site.

The benefits of this project include improved reliability, reduction in supply disruptions, and readiness for future expansion in Dehradun's transmission network, making it a vital component of the area's infrastructure development.

v. Construction of 220/33kV GIS Substation, Naugaon along with Construction of LILO of 220 kV D/C line on Twin Zebra Conductor from Mori - Dehradun at proposed 220 kV Substation Naugaon.

To ensure the reliable evacuation of power from upcoming Small Hydro Projects (SHPs) in the Yamuna Valley as outlined in the master plan, the construction of a 220/33 kV GIS substation at Naugaon is essential. This project will provide a robust and efficient power evacuation network for upcoming power generators, including the Bernigad SHP (22.80 MW) and Sauli Barnigad SHP (23.25 MW), thereby supporting regional power supply stability.

The need for the substation has been emphasized in multiple communications, including a letter from the UPCL and instructions from the Government of Uttarakhand regarding the evacuation of power from operational and future hydro projects in the state. Additionally, the construction of the 220/33 kV GIS substation aligns with the proposed 220 kV Mori-Dehradun transmission line under the central sector.

The substation at Naugaon will significantly improve the reliability of the power supply in the region while ensuring an efficient and sustainable evacuation network for the upcoming hydro projects, thus bolstering the state's renewable energy infrastructure.

- vi. Construction work for 220/132/33 kV S/s Raipur (Bhagwanpur), Roorkee along with construction of associated lines (220 kV D/C Line from 400 kV substation, Puhana (PGCIL), Roorkee to proposed 220/132/33 kV S/s Raipur (Bhagwanpur), Roorkee & LILO Line of 132 kV Bhagwanpur-LSM line at proposed 220/132/33 kV S/s Raipur, Bhagwanpur, Roorkee).**

To address the rising industrial Load demand and ensure reliable and high-quality power supply in the Raipur (Bhagwanpur) area of Roorkee, the construction of a 220/132/33 kV substation has been proposed. The project includes the construction of the 220/132/33 kV substation at Raipur (Bhagwanpur), Roorkee, alongside associated transmission infrastructure: a 220 kV double-circuit transmission line from the 400/220 kV substation at Puhana (PGCIL), Roorkee, and a LILO line connecting the 132 kV Bhagwanpur-LSM line to the proposed substation. This will also utilize the two available 220 kV bays at the Puhana substation. Upon completion, the proposed 220/132/33 kV substation will significantly enhance the reliability and quality of power supply, meeting the growing energy needs of industries and residents in the Raipur (Bhagwanpur) area of Roorkee.

- vii. Construction work for 220/33 kV GIS Substation Thal, Pithoragarh with Construction of 220 kV DC line from proposed 220 kV Substation Thal (Nachni) to 400 kV Substation PGCIL Jauljiv.**

To facilitate the evacuation of power from upcoming small hydro projects in the Thal/Nachni region as outlined in the Power Evacuation Master Plan, the construction of a 220/33 kV substation at Nachini has been proposed. This substation will support the evacuation of power from several upcoming small hydro projects, including Balgad (19.8 MW), Muwani (15 MW), Kamtoli (14 MW), Phulibagar (5 MW), and Burthing (6.5 MW).

- viii. Construction work for 220/132/33 kV GIS Substation Banbasa, Tanakpur with Construction of LILO of 220 kV Tanakpur - CB Ganj Line at proposed 220 kV Substation Banbasa, Tanakpur, Construction of 132 kV D/C transmission line from 132 kV S/s Khatima-II to proposed 220 kV S/s Banbasa, Tanakpur and Construction of 132 kV D/C line from proposed 220 kV S/s Banbasa, Tanakpur to proposed 132 kV S/s Lohaghat.**

In alignment with the Government of Uttarakhand's directive dated 28.12.2023 and the Hon'ble Chief Minister's announcement (No. 643/2023 dated 26.11.2023), the construction of a 220/132/33 kV substation at Banbasa, Tanakpur, Champawat, has been proposed to provide reliable and high-quality electricity to the residents and industries of the area. This project aims to address the increasing energy demand and ensure uninterrupted power supply.

The substation will be constructed in two phases to meet the growing energy needs.

In Phase I, the focus will be on constructing a 220/33 kV GIS substation at Banbasa/Tanakpur, along with the LILO (Line In-Line Out) of the 220 kV NHPC Tanakpur Banbasa-CB Ganj line at the proposed substation. This phase will cater to approximately 35 MVA of Load demand, ensuring uninterrupted and quality electricity supply to the Banbasa/Tanakpur area.

In Phase II will involve constructing a 220/132 kV GIS substation and establishing critical transmission links. These include a 132 kV double-circuit line connecting the proposed substation with the 132 kV Khatima-II substation and another 132 kV double-circuit line linking it to the proposed 132 kV Lohaghat substation. These developments are essential to achieve N-1 contingency, ensuring reliability and quality power supply for the Tarai region and mitigating disruptions due to breakdowns or maintenance activities.

The proposed substation will also ensure uninterrupted power for the Kumaon hills, including the districts of Champawat, Pithoragarh, and Almora, particularly during outages on the 220 kV Dhauliganga-Askote or Askote-Chandak double circuits. It will also enhance the stability of the region's power infrastructure by creating a robust network connected to the existing 400/220 kV substation at Jauljibi (Bagdihat-Askote).

The construction of the 220/132/33 kV GIS substation at Banbasa, Tanakpur, will significantly improve the reliability and quality of electricity supply to the people and industries of Champawat and adjoining areas, meeting both current and future energy demands efficiently.

The year wise capital expenditure and capitalisation proposed by the Petitioner during the fifth Control Period from FY 2025-26 to FY 2027-28 is shown in the Table below:

Table 3.5: Capital Expenditure submitted by PTCUL (Rs. Crore)

Particulars	FY 2025-26	FY 2026-27	FY 2027-28
Capital Expenditure	2,354.10	1,930.13	507.16

Table 3.6: Capitalisation details submitted by PTCUL (Rs. Crore)

Particulars	FY 2025-26	FY 2026-27	FY 2027-28
Capitalisation	141.57	3,121.81	2,171.91

3.4.2 Commission's Analysis

PTCUL, in its Petition, has submitted the list of projects expected to be completed during the fifth Control Period from FY 2025-26 to FY 2027-28 along with the cost details and completion date. PTCUL during the next Control Period from FY 2025-26 to FY 2027-28 has proposed the Capital Expenditure and Capitalisation which is substantially higher than actual capital expenditure and capitalisation during the previous years. The summary of actual capital expenditure and capitalisation achieved from FY 2020-21 to FY 2023-24 and revised estimated capital expenditure and capitalisation during FY 2024-25 is summarized in Table below:

Table 3.7: Capital Expenditure and Capitalisation for FY 2021-22 to FY 2024-25(Rs. Crore)

Year	Actual Capital Expenditure	Actual capitalisation
FY 2020-21	255.01	299.90
FY 2021-22	241.63	92.23
FY 2022-23	161.50	310.57
FY 2023-24	356.83	103.55
Year	Revised Capital Expenditure	Actual Capitalisation till 1 st half of FY 2024-25
FY 2024-25	110.49	18.22

The Commission sought the detailed justification for such higher capital expenditure and capitalisation proposed in FY 2025-26, FY 2026-27 and FY 2027-28 and the various steps taken by PTCUL considering the fact that actual capitalisation during last 4 years i.e., from FY 2020-21 to FY 2023-24 and estimated capitalisation in FY 2024-25 is on much lower side. In reply, the Petitioner vide submission dated December 23, 2024, submitted that the Secretary (Energy) alongwith Additional Secretary (Energy), Uttarakhand Government, convened a review meeting on 10.07.2024 to discuss Transmission and Distribution Network Planning in response to rising power demand, grid stability needs, and national electricity plan obligations, subsequently directing PTCUL and

UPCL to submit their network plans. PTCUL submitted its Transmission Network Planning on 29.07.2024, which was approved by the Government on 02.09.2024, outlining infrastructure upgrades, coordination with UPCL, integration of power from various generators including private producers and UJVN/IPPs, and anticipating future industrial growth following the Uttarakhand Global Investors Summit, with an estimated capital expenditure of Rs. 3121.81 Crore for FY 2026-27 and Rs. 2171.91 Crore for FY 2027-28.

Further, the Commission sought the details of the Capital Expenditure and Capitalisation plan of the proposed schemes for the fifth Control Period from FY 2025-26 to FY 2027-28. In reply, PTCUL submitted details of Capital Expenditure and Capitalisation for fifth Control Period from FY 2025-26 to FY 2027-28. The Petitioner revised the Capital Expenditure and Capitalisation Plan vide submission dated February, 07, 2025. The Commission noted that the Petitioner has revised the Capital Expenditure details of the proposed scheme for the Control Period from FY 2025-26 to FY 2027-28.

Table 3.8: Revised Capital Expenditure details submitted by PTCUL (Rs. Crore)

Particulars	FY 2025-26	FY 2026-27	FY 2027-28
Capital Expenditure	2162.73	2220.5	902.5

In accordance with the provisions of Regulation 8(1)(b)(i) of UERC Tariff Regulations, 2024, the Commission sought the cost benefit analysis of each of the proposed scheme in the Capital Investment Plan for the MYT Control Period from FY 2025-26 to FY 2027-28. In reply, Petitioner submitted the copies of the Cost Benefit Analysis for the below mentioned Schemes along with the justification. The list of schemes for which cost benefit analysis is submitted is shown in the Table below:

Table 3.9: List of works for which Cost Benefit Analysis have been submitted by PTCUL

Sl. No.	Name of the Transmission Line & Associated Sub-station	Line length / Sub-station capacity	Proposed Capitalisation (Rs. Crore)	Proposed Date of completion
FY 2025-26				
	132 kV Lines			
1.	Replacement of old wolf/Panther Conductor with HTLS Conductor of 132kV Laksar-Manglore Line	28.08 ckm	29.46	Mar-26
2.	Replacement of Panther conductor of Majra-Jhajhra Line with HTLS Conductor	16 ckm	19.19	Mar-26
	132 kV Sub-Station			
3.	Increasing Capacity of 132 kV Substation Manglore by Procurement, Installation & Commissioning of 132/33 kV, 1 x 80 MVA Transformer	80 MVA	16.91	Sep-25

Table 3.9: List of works for which Cost Benefit Analysis have been submitted by PTCUL

Sl. No.	Name of the Transmission Line & Associated Sub-station	Line length/ Sub-station capacity	Proposed Capitalisation (Rs. Crore)	Proposed Date of completion
FY 2026-27				
	400 kV Sub-Station			
1.	Procurement of 500 MVA 400/220 kV transformer alongwith NIFPES & construction of 400 kV and 220 kV (AIS) bays alongwith transformer plinth for erection, testing & commissioning of 500 MVA 400/220KV transformer and its associated work at 400 kV substation Kashipur.	500 MVA	77.07	Aug-26
2.	Procurement & erection of 125 MVAR reactor alongwith its associated bay and related work at 400KV S/S Kashipur	125 MVAR	36.20	Aug-26
	220 kV LINES:			
3.	Ampacity Enhancement of 220 kV Roorkee-Puhana Line with HTLS Conductor	8.81 ckm	13.95	May-26
4.	Replacement of old ACSR Zebra Conductor with HTLS Conductor for 220KV Piran Kaliyar-SIDCUL line	18.96 ckm	25.95	Sep-26
5.	Replacement of old ACSR Zebra Conductor with HTLS Conductor of 220 kV SIDCUL-Rishikesh Line	25.095 ckm	35.63	May-26
6.	Replacement of old Deer Conductor with HTLS Conductor of 220 kV IIP-Rishikesh Line	31 ckm	47.84	Mar-27
7.	LILLO of 220 kV Bareilly-Pantnagar line at proposed 220/132/33 kV Substation Khurpiya Farm (4.0 km)	8 ckm	13.63	Nov-26
8.	Construction of LILLO of 220 kV NHPC(Tanakpur)-CB Ganj Line at proposed 220 kV substation Banbasa (Tanakpur)	0.6 ckm	3.53	Nov-26
9.	Construction of Termination of LILLO of 220 kV Sherpur-Jhajhra at Vyasi HEP for directly at 400 kV Substation, Sherpur (PGCIL) (2.5 kms.)	5 ckm	85.95	Apr-26
	220 kV Sub-Station			
10.	Augmentation of Transformer capacity from 2x160MVA (220/132 kV) to 3x160MVA (220/132 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 160 MVA (220/132 kV) Transformer at 220 kV Substation Rishikesh.	160 MVA	27.14	Apr-26
11.	Augmentation of Transformation Capacity by replacement of 220/33kV, 25 MVA T/F with 220/33 kV, 50 MVA Transformer and associated works at 220 kV Substation, Chamba under 220 kV O&M Division, Chamba (Tehri Garhwal).	50 MVA	19.65	Dec-26
12.	Increasing Capacity of 220 kV Substation Roorkee by Procurement, Installation & Commissioning of 220/33 kV, 2x100 MVA Transformer	100 MVA	50.17	Nov-26
13.	Augmentation of 220 kV substation Piran Kaliyar from 2x50 MVA to 2x100 MVA Transformer at 220/33 kV Voltage level	100 MVA	52.54	Nov-26
14.	Increasing capacity of 220 kV Sub-station	80 MVA	26.19	May-26

Table 3.9: List of works for which Cost Benefit Analysis have been submitted by PTCUL

Sl. No.	Name of the Transmission Line & Associated Sub-station	Line length / Sub-station capacity	Proposed Capitalisation (Rs. Crore)	Proposed Date of completion
	SIDCUL, Haridwar form 2X80(132/33 kV) Transformer to 3X80 MVA (132/33 kV) Transformer			
15.	Augmentation of Transformer capacity at 220 kV S/S SIDCUL, Haridwar from 2X80 MVA (132/33 KV)+1X50 MVA (220/33 KV) +1X25 MVA (220/33 KV) to 2X80 MVA (132/33 KV) + 2X50 MVA (220/33 KV)	25 MVA	16.86	Apr-26
16.	Augmentation of Transformer capacity from 2x160MVA (220/132 kV) to 3x160MVA (220/132 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 160 MVA (220/132 kV) Transformer at 220 kV Substation Jhajhra.	160MVA	63.75	Jun-26
17.	Augmentation of Transformer capacity from 2x80 MVA (132/33 kV) to 3x80MVA (132/33 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 80 MVA (220/132 kV) Transformer at 220 kV Substation Jhajhra.	80 MVA		
18.	Augmentation of Transformation Capacity of 220/33kV, 2x50 MVA T/F with 220/33 kV, 2x50+1x100 MVA Transformer and associated works at 220 kV GIS Substation, IIP, Harrawala under 220 kV O&M Division, Harrawala, Dehradun.	100 MVA	36.16	Dec-26
19.	220/132/33 kV AIS Substation Khurpiya Farm, Kichha	2x160 MVA, (220/132/33 kV), 2x80 MVA, (132/33kV)	331.81	Nov-26
20.	220/33 kV Substation, Banbasa	2x50 MVA (220/33 kV)	212.08	Nov-26
21.	220/33 kV Substation Rudrapur (Baramwari)	60 MVA	210.92	Dec-26
	132 kV Lines			
22.	Replacement of old Panther Conductor with HTLS Conductor and power cable work of 132 kV Piran Kaliyar-Bhagwanpur-LSM-Roorkee line & 132 kV Piran Kaliyar-Chudiyala-Roorkee line	70 ckm	78.90	Sep-26
23.	Replacement of old ACSR Panther Conductor with HTLS Conductor of 132 kV Rishikesh-T Point-Chilla-Bhupatwala Line	23 ckm	31.37	Apr-26
24.	Replacement of Panther conductor of Majra-Laltappar Line with HTLS Conductor	28 ckm	33.68	Mar-27
25.	Replacement of Panther conductor of 132kV Bindal-Rishikesh Line with HTLS conductor	44.5 ckm	55.38	Nov-26
26.	Replacement of Old Panther Conductor of 132 kV Purkul -Jhajra line with HTLS conductor.	21.32 ckm	27.63	Mar-27
27.	Replacement of Old ACSR Panther Conductor of 132 kV Jaspur to Kashipur (400) line including LILO 0.5 km(18.0kms) with HTLS conductor.	18.00 ckm	23.51	Dec-26
28.	Design, testing manufacturing, supply and stringing of HTLS Conductor along with replacement of ACSR Panther Conductor in 132	53.50 ckm	59.42	Aug-26

Table 3.9: List of works for which Cost Benefit Analysis have been submitted by PTCUL

Sl. No.	Name of the Transmission Line & Associated Sub-station	Line length / Sub-station capacity	Proposed Capitalisation (Rs. Crore)	Proposed Date of completion
	kV Sitarganj (PGCIL)-ELDECO Sitarganj single circuit line (22.0km) and first circuit of 132 kV Sitarganj-Kichha line (31.5kms).			
29.	Ampacity increment of 132 kV Haldwani-Kathgodam Line single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	8.70 ckm	9.98	Oct-26
30.	Ampacity increment of 132 kV Kathgodam - Bhowali single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	14.06 ckm	17.54	Oct-26
31.	LILO of 132 kV Kichha Rudrapur Line at Proposed 220/132/33 kV Substation Khurpiya Farm (4.0 km)	8 ckm	10.82	Dec-26
32.	LILO of 132 kV of Kashipur -Mahuakeraganj Line at 132 kV substation at Sarvarkhera	8.7 ckm	17.95	Mar-27
	132 kV Sub-Station			
33.	Augmentation of Transformer capacity from 1x20MVA (132/33 kV) + 1x12.5MVA (132/33 kV) to 1x 20(132/33kV) +1x 40 MVA (132/33kV) at 132kV IDPL Substation, under 220 kV O&M Division, Rishikesh.	27.50 MVA	15.36	Apr-26
34.	Augmentation of 132kV Substation from 3x40MVA T/F to (2x40MVA+1X80 MVA) at 132kV S/s Laksar	40 MVA	24.36	Apr-26
35.	Augmentation of Transformer capacity from 2x20 MVA (132/33 kV) to (2x40) MVA (132/33 kV) at 132 kV Substation Simli (Karanprayag).	40 MVA (132/33 kV)	28.12	Dec-26
36.	Construction of 132/33 KV, 2x40 MVA AIS substation, Sarvakhera, US Nagar	(2x40) MVA	148.93	Mar-27
37.	Augmentation of Transformer capacity from 3x40MVA (132/33 kV) to 2x40 +1x 80 MVA at 132kV Substation Majra, under O&M Division, Yamuna colony, Dehradun	40MVA	23.35	Jul-26
38.	Augmentation of transformer capacity from 3x40 MVA to (2x80+1x40) MVA at 132 kV substation Kashipur.	80MVA	56.52	Mar-27
39.	Increasing Capacity of 132 kV Substation Bhowali from (2x20+3x5) MVA to (2x20+3x15) MVA.	30 MVA	27.23	Sep-26
40.	Augmentation of transformer capacity of 132 kV substation Kichha from 3x40MVA to 1x80 MVA+2x40 MVA.	40 MVA	23.94	Nov-26
41.	Augmentation of transformer capacity from 80 MVA (2X40 MVA) to 160 MVA (2X40 MVA + 1X80 MVA) including construction of associated 132 kV & 33 kV bays at 132 kV Substation Kathgodam, Haldwani.	80 MVA	24.44	Dec-26
42.	Augmentation of Transformer Capacity from 40 MVA (2 X20 MVA) to 60 MVA (3X20MVA) including Replacement of old 132/33 kV, (1X20MVA) Transformer-III with a New (1X20) MVA Transformer at 132 kV substation, Almora.	20 MVA	23.70	Mar-27

Table 3.9: List of works for which Cost Benefit Analysis have been submitted by PTCUL

Sl. No.	Name of the Transmission Line & Associated Sub-station	Line length / Sub-station capacity	Proposed Capitalisation (Rs. Crore)	Proposed Date of completion
43.	Replacement & augmentation of old 2x3x5 MVA Transformer banks with new 2x20 MVA at 132 kV Substation Ranikhet under O&M division Almora.	10 MVA	23.03	Mar-27
44.	Replacement of old 132 / 33 kV 20 MVA transformer with new 132/33 kV 20 MVA Transformer at 132 kV Substation Ranikhet	20 MVA	8.18	May-26
	66 kV Lines			
45.	Strengthening of 66 kV Roorkee-Thithki-Mohammadpur D/C Line	42.6 ckm	51.21	Oct-26
46.	Construction of 66 kV D/C line for LILO of 66 kV Karanprayag-Kothiyalsain line at 132 kV Substation, Simli	11 ckm.	9.92	Apr-26
	66 kV SUB STATIONS			
47.	Increasing Capacity of 66 kV Substation Thithki (Manglore) by Procurement, Installation & Commissioning of 66/33 kV, 2x30 MVA Transformer	30 MVA	12.55	Nov-26
	33 kV Voltage Level			
48.	Supply, Erection, Testing and Commissioning of 33 kV 20 MVAR (2x2x5) Capacitor Bank and 33 kV AIS Bay at 220 kV Sub-Station Jafarpur", Supply, Erection, Testing and Commissioning of 2x5 MVAR Capacitor Bank and 33 kV GIS Bay for Capacitor Bank at 132 kV GIS Substation Bageshwar" and "Supply, Erection, Testing and Commissioning of new 1x10 MVAR Capacitor Bank at 220 kV Substation Pantnagar.	40 MVAR	10.15	Mar-27
	Miscellaneous Works			
49.	Construction of 132 kV and 66 kV Bays and installation of 3x20 MVA 132/66 kV T/F at 132 kV Substation, Simli.	60 MVA	37.49	Dec-26
50.	Route alignment of Tower no RD ii 63 to Tower no RD ii 66 of 220 kV Rishikesh Dharasu ckt ii Transmission line from land sliding zone to safer zone near Aleru village Tehri (G)	2.5 Ckm	12.76	Apr-26
51.	132kV bay at 132kv S/s Kichha	1 Bay	2.16	Dec-26
FY 2027-28				
	400 kV LINES			
1.	LILO of 400 kV Bareilly-Kashipur line at proposed 400 kV Substation Khurpiya Farm (24.0 KM)	48ckm	233.96	Nov-27
	400 kV Sub Stations			
2.	400/220 kV AIS Substation Khurpiya Farm, Kichha	2x500MVA (400/220/33kV)	339.98	Nov-27
3.	Extension of 400 kV Switching Sub-station Pipalkoti to 400/132 kV sub-station GIS Pipalkoti (3x20 MVA) (with 1x20 MVA spare)	60MVA	156.62	Mar-28
	220 kV Lines			
4.	220 kV DC line from 400/220 kV substation Puhana to proposed 220/132/33 kV SS Raipur	27 ckm	115.53	Nov-27

Table 3.9: List of works for which Cost Benefit Analysis have been submitted by PTCUL

Sl. No.	Name of the Transmission Line & Associated Sub-station	Line length / Sub-station capacity	Proposed Capitalisation (Rs. Crore)	Proposed Date of completion
	and underground line.			
	220 kV Sub Stations			
5.	Augmentation of 220 kV substation Piran Kaliyar from 2x100 MVA to 2x160 MVA Transformer at 220/132 kV Voltage level	120 MVA	55.09	Apr-27
6.	Augmentation of Transformer Capacity from 2X100MVA to 2X160MVA at 220 kV S/s Mahuakheraganj	120MVA	65.33	Oct-27
7.	Supply, Erection, Testing & Commissioning of 160MVA 220/132 kV Transformer alongwith its associated 220KV and 132 kV Bays at 220 kV S/s Pantnagar	160MVA	37.42	May-27
8.	Augmentation of transformer capacity from 120 MVA (3X40 MVA) to 160 MVA (2X40 MVA + 1X80 MVA) at 220 kV Substation Kamaluaganja, Haldwani.	80 MVA	24.79	May-27
9.	220/132/33 kV AIS Substation Raipur (2x160 MVA (220/132 kV) and 2x80 MVA (132/33 kV)	480 MVA	283.10	Nov-27
	132 kV Lines			
10.	Replacement of Panther conductor of 132kV Bindal-Majra Line with HTLS conductor.	8.5 ckm	11.14	Sep-27
11.	LIFO of 132 kV Bhagwanpur-LSM line at proposed 220/132/33 kV SS Raipur, Roorkee and underground line	17 ckm	45.52	Nov-27
12.	132kV DC Pipalkoti (400 kV Substation Pipalkoti) to 132/66/33 kV GIS Substation Pipalkoti transmission line	20 ckm	31.30	Mar-28
13.	Replacement of old ACSR Panther conductor of 132 kV Kashipur (400) to Kashipur, S/C CKT-1 line and 132 kV Kashipur, S/C CKT-2 line with high ampacity with HTLS Conductor.	5.5 Km + 6.046 Km=11.556 Km	17.35	Aug-27
	132 kV Sub Station			
14.	Increasing Capacity of 132 kV Substation Roorkee by Procurement, Installation & Commissioning of 132/33 kV, 1 x 80 MVA Transformer	60 MVA	21.69	Apr-27
15.	Increasing Capacity of 132 kV Substation Manglore by Procurement, Installation & Commissioning of 132/33 kV, 80 MVA Transformer	40 MVA	22.40	Apr-27
16.	Estimate for Increasing Capacity of 132 kV Substation Bhagwanpur by Procurement, Installation & Commissioning of 132/33 kV, 80 MVA Transformer.	40 MVA	24.16	Apr-27
17.	Augmentation of transformer capacity from 3X40 MVA (132/33 kV) to 3X40+1X80 MVA (132/33 kV) by procurement, installation, testing & commissioning of 1 no 132/33 KV, 80 MVA Transformer & its associated work at 132 kV S/S Jwalapur	80 MVA	23.55	May-27
18.	Augmentation of Transformer capacity from (40+20) MVA (132/33 kV) to (2x40) MVA (132/33 kV)	20 MVA (132/33 kV)	27.72	Jun-27

Table 3.9: List of works for which Cost Benefit Analysis have been submitted by PTCUL

Sl. No.	Name of the Transmission Line & Associated Sub-station	Line length / Sub-station capacity	Proposed Capitalisation (Rs. Crore)	Proposed Date of completion
	kV) and (20+3x5) MVA (132/66 kV) to (20+40) MVA (132/66 kV) at 132 kV Substation Srinagar.	25 MVA (132/66 kV)		
19.	Construction of 02 Nos. 132 kV Bays at 132 kV Substation, Satpuli	02 Nos. 132 kV Bays	7.71	Jun-27
20.	132/66/33 kV Substation Pipalkoti (3x20 MVA)	60 MVA	257.95	Mar-28
21.	Augmentation of transformer capacity from 100 MVA (2X40 MVA+1X20 MVA) to 120 MVA (3X40 MVA) at 132 kV substation Rudrapur.	20 MVA	3.12	Aug-27
22.	Augmentation of Transformer capacity from 2x40MVA (132/33 kV) to 2x 40 MVA (132/33 kV) +1*80 MVA at 132 /33 kV Substation Purkul Dehradun	80 MVA	23.47	Apr-27
	66 kV Lines			
23.	Strengthening of 66 kV Srinagar-Joshimath line by replacement of Tubular Poles Structure with Tower Structure.	8.0 ckm.	12.60	Jun-27
	33 kV Voltage Level			
24.	Removal of defective 2x2x5 MVAR Capacitor banks at 132 kV S/s Kashipur and 2X5 MVA at 132 kV S/s Jaspur with installation of new 2X2X5 MVAR Capacitor banks at 132 kV S/s Kashipur and 132 kV S/S Jaspur under 400 kV O&M Circle, Kashipur.	40 MVAR	8.12	Jul-27
	Miscellaneous Works			
25.	LILO of 66 kV Kothiyalsain-Joshimath transmission line at proposed 132/66/33 kV GIS sub-station Pipalkoti	6 Ckm	10.59	Mar-28

The Commission observed that the Petitioner has submitted the Cost Benefit analysis for major schemes. Hence, the Commission sought the Cost Benefit Analysis for remaining proposed scheme as well. In reply, the Petitioner vide submission dated February 07, 2025, submitted the Cost Benefit Analysis for the remaining scheme.

The Commission noted that the Petitioner has submitted the detailed Cost Benefit Analysis of all the proposed works. The Commission sought the preparedness of the Petitioner to execute the capital expenditure works proposed and Plan for monitoring the progress of execution of each Capex Schemes during the MYT Control Period from FY 2025-26 to FY 2027-28 in terms of tendering status and funds tie-up. Further, the Commission sought the revised scheme wise details of status of DPR submission and BOD approval. In reply, the Petitioner vide letter dated February 07, 2025, has submitted the details of status of DPR submission and BoD approval for the following works:

Table 3.10: List of works with the status of DPR and Board Approval

Sl.	Name of the Transmission Line & Associated Sub-station	Cost Proposed (Rs. Crore)	BoD Approval Date	Status of DPR submission (Date)	Status of DPR Approval
	400 kV Sub-Station				
1.	Upgradation of Substation Automation System (SAS) at 400 kV, Substation, Srinagar (G), 220 kV Substation, Kamaluaganja, and 220 kV Substation, Jafarpur	17.48	92 nd BoD 27.08.24	DPR of SAS for 39 Substations Submitted on 25.10.2024	No
	132 kV Lines				
2.	Replacement of old wolf/Panther Conductor with HTLS Conductor of 132kV Laksar-Manglore Line	29.46	94 th BoD 26.09.24	Submitted For Investment Approval vide Dir. (O) letter No. 1816 dated 26.10.24	NO
3.	Replacement of Panther conductor of Majra-Jhajhra Line with HTLS Conductor	19.19	94 th BoD 26.09.24	26.10.24	No
	132 kV Sub-Station				
4.	Increasing Capacity of 132 kV Substation Manglore by Procurement, Installation & Commissioning of 132/33 kV, 1 x 80 MVA Transformer	16.91	64 th BOD (27.09.2018)	03.12.2018	Yes 12.03.2019
5.	SAS and BCU upgradation at 220 kV Substation Jhajhra, Dehradun	4.66	-	-	-
6.	Construction of new 132/33 kV bay, foundation of 40 MVA transformer and its associated works at 132 kV substation Jwalapur under 220 kV O&M Division SIDCUL, Haridwar.	4.98	-	-	-
	MISC. WORKS				
7.	Supply and erection of online transformer oil moisture removal system at various Substation under O&M Circle Roorkee	4.38	97 th BoD 20.12.24	-	-
8.	Procurement and installation of online dry out system at various Substations of Kumaon Zone	4.38	97 th BoD 20.12.24	-	-
	CIVIL WORKS				
	O & M Civil Division, Roorkee				
9.	220 kV S/S Piran Kaliyar (Haridwar): Renovation of boundary wall and const of nalla	6.70	-	DPR prepared & shall be submitted soon to competent authority for approval & subsequent funding tie up	-
10.	132 kV S/S Majra, Dehradun: Construction of Guest house at 132 kV S/S at Majra campus Dehradun	8.37	-		-
11.	132 kV Single circuit Kulhal-Dhalipur Transmission Line: Construction of well foundation at Tower Location No 17(A) and 16 of 132 kV Single circuit Kulhal-Dhalipur Transmission Line	3.26	-		-
	O & M Civil Division, Haldwani				
12.	Construction of Well foundations at Tower Location No 76 of 132 kV Bazpur - Haldwani Transmission line	1.74		DPR prepared & shall be submitted soon to competent authority for approval & subsequent funding tie up	
13.	Construction of approach road for office and residences at 220 kV S/S Kamaluaganja, Haldwani	0.58	-		-
14.	Construction of approach road for office and residences at 132 kV S/S Kathgodam	1.56	-		-
15.	Construction of boundary wall at 220 kV S/S at Kamaluaganja	3.79	-		-
16.	Construction of Well foundation and pile foundation at 132 kV Kashipur - Bazpur Transmission Line, Kashipur	2.36	-		

Table 3.10: List of works with the status of DPR and Board Approval

Sl.	Name of the Transmission Line & Associated Sub-station	Cost Proposed (Rs. Crore)	BoD Approval Date	Status of DPR submission (Date)	Status of DPR Approval
17.	Construction of Well foundation of 400 kV Kashipur-Moradabad-Nehtaur Transmission Line, Kashipur	7.37	-		-
18.	Construction of Well foundation of 132 kV Kalagarh-Ramnagar and Jaspur- Kashipur DC Transmission line, Kashipur	1.62	-		-
19.	Construction of Well foundation of 220 kV Kashipur-Pantnagar Transmission line	1.62	-		-
20.	Construction of approach road at 132 kV S/S Almora	0.76	-		-
	Civil Project, Srinagar(G)				
21.	Construction of project office at 132 kV Srinagar	0.40	-	DPR prepared & shall be submitted soon to competent authority for approval & subsequent funding tie up	-
	Total	141.57			
FY 2026-27					
	400 kV LINES				
1.	Procurement of 01 no. Set if Emergency Restoration system tower for 400 kV, 220 kV, and 132 KVS suspension / tension tower) line	20.20	04.03.2024	02.04.2024	Yes 14.08.2024
	400 kV Sub-Station				
2.	Erection and commissioning of new bay for existing 50 MVAR Reactor at 400 kV Substation Rishikesh	4.11	---	---	---
3.	Procurement of 500 MVA 400/220 kV transformer alongwith NIFPES & construction of 400 kV and 220 kV (AIS) bays alongwith transformer plinth for erection, testing & commissioning of 500 MVA 400/220 kV transformer and its associated work at 400 kV substation Kashipur.	77.07	94th BoD 26.09.24	26.10.2024 (Revised DPR as per Latest SOR of PTCUL)	No
4.	Procurement & erection of 125 MVAR reactor alongwith its associated bay and related work at 400KV S/S Kashipur	36.20	94th BoD 26.09.24	26.10.2024 Revised DPR as per latest SoR of PTCUL)	Yes 07.02.2017
	220 kV LINES:				
5.	Ampacity Enhancement of 220 kV Roorkee-Puhana Line with HTLS Conductor	13.95	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1791 dated 26.10.24	NO
6.	Replacement of old ACSR Zebra Conductor with HTLS Conductor for 220KV Piran Kaliyar-SIDCUL line	25.95	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1795 dated 26.10.24	No
7.	Replacement of old ACSR Zebra Conductor with HTLS Conductor of 220 kV SIDCUL-Rishikesh Line	35.63	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1790 dated 26.10.24	No
8.	Replacement of old Deer Conductor with HTLS Conductor of 220 kV IIP-Rishikesh Line	47.84	94th BoD 26.09.24	To be submitted	---
9.	LILO of 220 kV Bareilly-Pantnagar line at proposed 220/132/33 kV Substation Khurpiya Farm (4.0 km)	13.63	94th BoD 26.09.24	26.10.24	No
10.	Construction of LILO of 220 kV NHPC(Tanakpur)-CB Ganj Line at proposed 220 kV substation Banbasa	3.53	89th BoD 04.03.24	18.04.24	Yes 16.08.24

Table 3.10: List of works with the status of DPR and Board Approval

Sl.	Name of the Transmission Line & Associated Sub-station	Cost Proposed (Rs. Crore)	BoD Approval Date	Status of DPR submission (Date)	Status of DPR Approval
	(Tanakpur)				
11.	Construction of Termination of LILO of 220 kV Sherpur-Jhajhra at Vyasi HEP for directly at 400 kV Substation, Sherpur (PGCIL) (2.5 kms.)	85.95	94th BoD 26.09.24	26.10.24	No
12.	Construction of LILO of 220 kV Khodri-Jhajra line at proposed 220 kV Substation Selaqui Dehradun with Underground Cable	17.98	78th BOD 26.12.21	13.01.22	Yes 26.04.22
13.	LILO of 220 kV Roorkee - Nara Line at 220 kV Sub Station Mangalore	4.70	78th BOD 26.12.21	13.01.22	Yes 26.04.22
	220 kV Sub-Station				
14.	Augmentation of Transformer capacity from 2x160MVA (220/132 kV) to 3x160 MVA (220/132 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 160 MVA (220/132 kV) Transformer at 220 kV Substation Rishikesh.	27.14	94th BoD 26.09.24	26.10.24	No
15.	Augmentation of Transformation Capacity by replacement of 220/33 kV, 25 MVA T/F with 220/33 kV, 50 MVA Transformer and associated works at 220 kV Substation, Chamba under 220 kV O&M Division, Chamba (Tehri Garhwal).	19.65	94th BoD 26.09.24	26.10.24	No
16.	Increasing Capacity of 220 kV Substation Roorkee by Procurement, Installation & Commissioning of 220/33 kV, 2x100 MVA Transformer	50.17	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1793 dated 26.10.24	No
17.	Augmentation of 220 kV substation Piran Kaliyar from 2x50 MVA to 2x100 MVA Transformer at 220/33 kV Voltage level	52.54	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 40 dated 08.01.2025	No
18.	Increasing capacity of 220 kV Sub-station SIDCUL, Haridwar from 2X80 (132/33 kV) Transformer to 3X80 MVA (132/33 kV) Transformer	26.19	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1794 dated 26.10.24	No
19.	Augmentation of Transformer capacity at 220 kV S/S SIDCUL, Haridwar from 2X80 MVA (132/33 kV) + 1X50 MVA (220/33 kV) + 1X25 MVA (220/33 kV) to 2X80 MVA (132/33 kV) + 2X50 MVA (220/33 kV)	16.86	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1815 dated 26.10.24	No
20.	Augmentation of Transformer capacity from 2x160MVA (220/132 kV) to 3x160 MVA (220/132 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 160 MVA (220/132 kV) Transformer at 220 kV Substation Jhajhra.	63.75	89th BOD 04.03.24	16.03.24	Yes 17.09.24
21.	Augmentation of Transformer capacity from 2x80 MVA (132/33 kV) to 3x80 MVA (132/33 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 80 MVA (220/132 kV) Transformer at 220 kV Substation Jhajhra.		89th BOD 04.03.24		17.09.24
22.	Augmentation of Transformation Capacity of 220/33kV, 2x50 MVA T/F with 220/33 kV, 2x50+1x100 MVA Transformer and associated works at 220 kV GIS Substation, IIP, Harrawala under 220 kV	36.16	94th BoD 26.09.24	26.10.24	No

Table 3.10: List of works with the status of DPR and Board Approval

Sl.	Name of the Transmission Line & Associated Sub-station	Cost Proposed (Rs. Crore)	BoD Approval Date	Status of DPR submission (Date)	Status of DPR Approval
	O&M Division, Harrawala, Dehradun.				
23.	220/132/33 kV AIS Substation Khurpiya Farm, Kichha	331.81	94th BoD 26.09.24	26.10.24	No
24.	220/33 kV Substation, Banbasa	212.08	89th BoD 04.03.24	18.04.24	Yes 16.08.24
25.	220/33 kV Substation Rudrapur (Baramwari)	210.92	74th BoD 11.12.20	12.01.21	Yes 03.06.21
26.	Construction of 220/33 kV Substation Selaqui, Dehradun	130.19	78th BOD 26.12.21	13.01.22	Yes 26.04.22
27.	220 kV Sub Station Manglore (2x160 MVA and 2x40 MVA)	140.32	78th BOD 26.12.21	13.01.22	Yes 26.04.22
	132 kV Lines				
28.	Replacement of old Panther Conductor with HTLS Conductor and power cable work of 132 kV Piran Kaliyar-Bhagwanpur-LSM-Roorkee line & 132 kV Piran Kaliyar-Chudiyala-Roorkee line	78.90	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1789 dated 26.10.24	No
29.	Replacement of old ACSR Panther Conductor with HTLS Conductor of 132 kV Rishikesh-T Point-Chilla-Bhupatwala Line	31.37	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1796 dated 26.10.24	No
30.	Replacement of Panther conductor of Majra-Laltappar Line with HTLS Conductor	33.68	94th BoD 26.09.24	To be submitted	---
31.	Replacement of Panther conductor of 132kV Bindal-Rishikesh Line with HTLS conductor	55.38	94th BoD 26.09.24	To be submitted	---
32.	Replacement of Old Panther Conductor of 132 kV Purkul-Jhajra line with HTLS conductor.	27.63	94th BoD 26.09.24	26.10.24	No
33.	LILLO of 132 kV Majra-Laltappar at proposed 132 kV S/s Araghar Dehradun through 132 kV Underground Cable	29.39	78th BOD 26.12.21	13.01.22	Yes 26.04.22
34.	LILLO of 132 kV Manglore-Asahi line & Manglore - Air Liquide Line at 220 kV Sub Station Manglore	2.55	78th BOD 26.12.21	13.01.22	Yes 26.04.22
35.	Replacement of Old ACSR Panther Conductor of 132 kV Jaspur to Kashipur (400) line including LILLO 0.5 km(18.0kms) with HTLS conductor.	23.51	94th BoD 26.09.2024	26.10.2024	No
36.	Design, testing manufacturing, supply and stringing of HTLS Conductor along with replacement of ACSR Panther Conductor in 132 kV Sitarganj (PGCIL)-ELDECO Sitarganj single circuit line (22.0km) and first circuit of 132 kV Sitarganj-Kichha line (31.5kms).	59.42	56th BoD 12.11.2016	13.02.2017	Yes 06.04.2017
37.	Ampacity increment of 132 kV Haldwani-Kathgodam Line single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	9.98	94th BoD 26.09.24	29.10.2024	No
38.	Ampacity increment of 132 kV Kathgodam-Bhowali single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	17.54	94th BoD 26.09.24	29.10.2024	No
39.	LILLO of 132 kV Kathgodam- Rudrapur at 132 kV substation, Dhaulakhera	1.04	78th BOD 26.12.2021	13.01.2022	Yes 26.04.2022

Table 3.10: List of works with the status of DPR and Board Approval

Sl.	Name of the Transmission Line & Associated Sub-station	Cost Proposed (Rs. Crore)	BoD Approval Date	Status of DPR submission (Date)	Status of DPR Approval
40.	LILO of 132 kV Khatima - Sitarganj Line at 132/33 kV substation at Khatima - ii	1.74	78th BOD 26.12.2021	13.01.2022	Yes 26.04.2022
41.	Stringing of Second circuit of 132 kV D/C Transmission line on Panther conductor from Pithoragarh (PGCIL) - Champawat (Lohaghat)	6.77	78th BOD 26.12.2021	13.01.2022	Yes 26.04.2022
42.	LILO of 132 kV Kichha Rudrapur Line at Proposed 220/132/33 kV Substation Khurpiya Farm (4.0 kM)	10.82	94th BoD 26.09.24	26.10.24	No
43.	LILO of 132 kV of Kashipur - Mahuakeraganj Line at 132 kV substation at Sarvarkhera	17.95	78th BoD	13.01.22	Yes 26.04.22
132 kV Sub-Station					
44.	Augmentation of Transformer capacity from 1x20MVA (132/33 kV) + 1x12.5MVA (132/33 kV) to 1x 20(132/33kV) +1x 40 MVA (132/33kV) at 132kV IDPL Substation, under 220 kV O&M Division, Rishikesh.	15.36	94th BoD 26.09.24	26.10.24	No
45.	Augmentation of 132kV Substation from 3x40MVA T/F to (2x40MVA+1X80 MVA) at 132kV S/s Laksar	24.36	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1814 dated 26.10.24	No
46.	Augmentation of Transformer capacity from 2x20 MVA (132/33 kV) to (2x40) MVA (132/33 kV) at 132 kV Substation Simli (Karanprayag).	28.12	94th BoD 26.09.24	26.10.24	No
47.	Construction of 132/33 KV, 2x40 MVA AIS substation, Sarvarkhera, US Nagar	148.93	78th BoD 26.12.21	13.01.22	Yes 26.04.22
48.	Augmentation of Transformer capacity from 3x40MVA (132/33 KV) to 2x40 +1x 80 MVA at 132kV Substation Majra, under O&M Division, Yamuna colony, Dehradun	23.35	94th BoD 26.09.24	26.10.24	No
49.	Augmentation of transformer capacity from 3x40 MVA to (2x80+1x40) MVA at 132 kV substation Kashipur.	56.52	94th BoD 26.09.24	26.10.2024	No
50.	Increasing Capacity of 132 kV Substation Bhowali from (2x20+3x5) MVA to (2x20+3x15) MVA.	27.23	94th BoD 26.09.24	29.10.2024	No
51.	Augmentation of transformer capacity of 132 kV substation Kichha from 3x40MVA to 1x80 MVA+2x40 MVA.	23.94	94th BoD 26.09.24	29.10.2024	No
52.	Augmentation of transformer capacity from 80 MVA (2X40 MVA) to 160 MVA (2X40 MVA + 1X80 MVA) including construction of associated 132 kV & 33 kV bays at 132 kV Substation Kathgodam, Haldwani.	24.44	94th BoD 26.09.24	29.10.2024	No
53.	Augmentation of Transformer Capacity from 40 MVA (2 X20 MVA) to 60 MVA (3X20MVA) including Replacement of old 132/33 kV, (1X20MVA) Transformer-III with a New (1X20) MVA Transformer at 132 kV substation, Almora.	23.70	94th BoD 26.09.24	26.10.2024	No
54.	Replacement & augmentation of old 2x3x5 MVA Transformer banks with new 2x20 MVA at 132 kV Substation Ranikhet under O&M division Almora.	23.03	94th BoD 26.09.24	26.10.2024	No
55.	Construction of 132/33 KV, 2x40 MVA	86.68	78th BoD	13.01.22	Yes 26.04.22

Table 3.10: List of works with the status of DPR and Board Approval

Sl.	Name of the Transmission Line & Associated Sub-station	Cost Proposed (Rs. Crore)	BoD Approval Date	Status of DPR submission (Date)	Status of DPR Approval
	GIS substation, Araghar		26.12.21		
56.	Construction of 132/33 KV, 2×40 MVA GIS substation, Dhaulakhera	90.60	78th BoD 26.12.21	13.01.22	Yes 26.04.22
57.	Construction of 132/33 KV, 2×40 MVA GIS substation, Khatima	95.85	78th BoD 26.12.21	13.01.22	Yes 26.04.22
58.	Construction of 132/33 KV, 2×40 MVA GIS substation, Lohaghat	94.74	78th BoD 26.12.21	13.01.22	Yes 26.04.22
59.	Replacement of old 132 / 33 kV 20 MVA transformer with new 132/33 kV 20 MVA Transformer at 132 kV Substation Ranikhet	8.18	97th BoD 23.12.2024	09.01.2025	No
	66 kV Lines				
60.	Strengthening of 66 kV Roorkee-Thithki-Mohammadpur D/C Line	51.21	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1797 dated 26.10.24	No
61.	Construction of 66 kV D/C line for LILO of 66 kV Karanprayag-Kothiyalsain line at 132 kV Substation, Simli	9.92	79th BOD 12.11.16	13.06.22	Yes 20.07.22
	66 kV SUB STATIONS				
62.	Increasing Capacity of 66 kV Substation Thithki (Manglore) by Procurement, Installation & Commissioning of 66/33 kV, 2x30 MVA Transformer	12.55	94th BoD 26.09.24	Submitted to the Commission for Investment Approval vide Dir. (O) letter No. 1792 dated 26.10.24	No
63.	33 kV Sub-Station				
64.	“Supply, Erection, Testing and Commissioning of 33 kV 20 MVAR (2x2x5) Capacitor Bank and 33 kV AIS Bay at 220 kV Sub-Station Jafarpur”, “Supply, Erection, Testing and Commissioning of 2x5 MVAR Capacitor Bank and 33 kV GIS Bay for Capacitor Bank at 132 kV GIS Substation Bageshwar” and “Supply, Erection, Testing and Commissioning of new 1x10 MVAR Capacitor Bank at 220 kV Substation Pantnagar.	10.15	94th BoD 26.09.24	29.10.2024	No
65.	Miscellaneous Works				
66.	Construction of 132 kV and 66 kV Bays and installation of 3x20 MVA 132/66 kV T/F at 132 kV Substation, Simli.	37.49	79th BOD 12.11.16	13.06.22	Yes 20.07.22
67.	Route alignment of Tower no RD ii 63 to Tower no. RD ii 66 of 220 kV Rishikesh Dharasu ckt. ii Transmission line from land sliding zone to safer zone near Aleru village Tehri (G)	12.76	94th BoD 26.09.24	26.10.2024	No
68.	132kV bay at 132kv S/s Kichha	2.16		Deposit Work	
	Civil Works				
	O & M Civil Division, Roorkee				
69.	Chief Office (Garhwal zone) 26- Civil lines Roorkee: Construction of Chief (Garhwal zone) & SE office Transmission Roorkee	3.67		DPR prepared & shall be submitted soon to competent authority for approval & subsequent funding tie up	
70.	220/132 kV S/S Ramnagar, Roorkee: Earth filling and land development work backside of 220/132 kV switchyard	10.26			
71.	220/132 kV S/S Ramnagar, Roorkee: Improvement of drainage system	5.22			
72.	132 kV S/S Satpuli: Construction of boundary wall of substation	5.06			

Table 3.10: List of works with the status of DPR and Board Approval

Sl.	Name of the Transmission Line & Associated Sub-station	Cost Proposed (Rs. Crore)	BoD Approval Date	Status of DPR submission (Date)	Status of DPR Approval
	O&M Civil Division, Haldwani				
73.	Construction of 8 no Type-ii quarters (D/S), 2 no's Type-iii quarters (D/S) after demolition and dismantling of 2 block (8 no's each) of type-i and 1 block of 4 nos. each of type-ii and development work and approach road to colony at 132 kV S/S Bhowali	4.05		DPR prepared & shall be submitted soon to competent authority for approval & subsequent funding tie up	
74.	Estimate of Construction of "Establishment of NABL Accredited Specialized Equipment Test Laboratory (SETL) with associated office, Project Management and Monitoring office buildings with Transit hostel at 132 kV S/S Kathgodam	14.46			
75.	Construction of 1 nos. Type- IV residences at 132 kV S/S Kicha	0.61			
76.	Construction of boundary wall at 132 kV S/S Almora	6.50			
77.	Construction of 2 nos. Type- ii residences at 132 kV S/S Ranikhet	0.55			
78.	Construction of central store and development works at 400KV S/S Kashipur	14.20			
	Civil Project, Dehradun				
79.	Construction of central store etc. at 220 kV S/S Rishikesh	13.77	-	DPR prepared & shall be submitted soon to competent authority for approval & subsequent funding tie up	
	Total	3,121.81			

From the above submissions it is observed that the Petitioner has submitted the DPR to the Commission for its approval for some of the major schemes.

Based on the analysis of the Petition the Commission observed that the Capex plan submitted by PTCUL includes several schemes with cost above Rs 100 Crore, for which the DPRs are yet to be submitted before the Commission. In accordance with the provisions of Regulation 58.1 of UERC Tariff Regulations, 2024, all new capital expenditure schemes with cost above threshold limit of Rs 100 Core or more are to be executed through Tariff Based Competitive Bidding (TBCB) route. The Commission asked the Petitioner to submit the reasons for including the capital expenditure schemes above Rs 100 Crore for which the DPRs are yet to be submitted before the Commission, as part of capital expenditure plan when as per Regulations, such schemes are to be executed through TBCB route.

PTCUL in its response submitted that as per Clause 108 of the Electricity Act, 2003, the State Commission had to follow written directions from the State Government on policy matters related to public interest.

PTCUL submitted that the Secretary (Energy), Government of Uttarakhand, through letter number 674/I(2)/2024-07(03)-06/2019 dated October 18, 2024, requested the Commission to increase the threshold limit for developing the intra-state transmission system to Rs. 1000 Crore through PTCUL. For projects exceeding Rs. 1000 Crore, development through the TBCB mode was suggested. In line with the submission of Government of Uttarakhand to the Commission, the Petitioner has proposed projects with capital cost more than Rs 100 Crore. in the Business Plan of the PTCUL.

For the approval of capital expenditure plan and capitalisation for the Control Period FY 2025-26 to FY 2027-28. the Commission assessed the present status of the schemes based on the details submitted by the Petitioner. The overall approach adopted by the Commission for approving the Capital Expenditure and Capitalisation is as follows:

Category A: Capital Expenditure Schemes for addition/modification of existing assets costing less than Rs 5 Crore and Capital Investment Plans upto Rs. 10 Crore are allowed as per proposal.

As per Regulation 58 (4) of the UERC Tariff Regulations, 2024, PTCUL has to obtain the separate prior approval of the Commission for all capital expenditure schemes of the value exceeding the ceiling specified by the Commission in the transmission license. Further, as per the Regulation 22(4) of the UERC Tariff Regulations, 2024, for any addition/modification to the existing assets exceeding Rs. 5 Crore in case of Transmission Licensee shall be taken up only after prior approval of the Commission. Therefore, the Commission has considered all the proposals corresponding to capital expenditure upto Rs. 5 Crore for any addition/modification works in the existing assets and has also considered capital investment plans upto Rs. 10 Crore in light of the ceiling specified in the license conditions.

Category B: Capital Expenditure Schemes for which DPR is already approved.

The Commission has considered all the capital expenditure schemes, for which the DPR has already been approved by the Commission while approving the capital expenditure and capitalisation. It is observed that for one capital expenditure scheme i.e., "220/132/33 kV AIS Substation Raipur (Bhagwanpur), Roorkee (2x160 MVA (220/132 kV) and 2x80 MVA (132/33 kV)" though the DPR has been approved by the Commission, but the scheme is required to be executed through Tariff Based Competitive Bidding (TBCB) route, accordingly, the Commission has not considered this scheme while approving the capital expenditure and capitalisation. Further, it is observed that

for some of the schemes, for which DPRs are already approved, PTCUL has considered the cost higher than that as approved in in-principle approval by the Commission. The Commission for such schemes has limited the cost to the in-principle approved cost while approving the capital expenditure and capitalisation.

Category C: Capital Investment Schemes for which DPR is yet to be approved.

The Commission at this stage has considered the capital investment schemes on case-to-case basis with cost between Rs 10 Crore to Rs 100 Crore for which DPR is yet to be approved by the Commission. The proposals are considered subject to approval by the Commission on case-to-case basis as per Regulation 58(4) of UERC Tariff Regulations, 2024.

Further, in accordance with the proviso of Regulation 58 (1) of UERC Tariff Regulations, 2024, all new capital expenditure schemes with cost above threshold limit are to be executed through Tariff Based Competitive Bidding (TBCB) route. The relevant para of the Appendix-VI in reference to the proviso of Regulation 58(1) is show below:

“The Commission considering the suggestions received on Consultation Paper on Determination of Threshold Limit for development of Intra-State Transmission System through Tariff Based Competitive Bidding hereby determines the threshold limit of Rs. 100 Core (Rupees One Hundred Crore) above which all Intra-State Transmission System (new and augmentation) costing Rs. 100 Core (Rupees One Hundred Crore) or more shall be developed by State Govt./STU through Tariff Based Competitive Bidding in accordance with tire competitive bidding guidelines notified by the Central Government from time to time.”

Accordingly, the Commission has not considered the schemes above Rs 100 Crore for which the DPR is yet to be approved by the Commission while approving the capital expenditure plan and capitalisation as all these schemes are to be executed through TBCB route. The list of the schemes above Rs 100 Crore to be executed through TBCB are as follows:

Table 3.11: List of the Projects under TBCB scheme for FY 2026-27 and FY 2027-28 (Rs. Crore)

Sl. No.	Project	Capitalisation Claimed by PTCUL	Project to be Considered under TBCB
	FY 2026-27		
1.	220/132/33 kV AIS Substation Khurpiya Farm, Kichha	331.81	331.81
2.	LILO of 132 kV Kichha Rudrapur Line at Proposed 220/132/33 kV Substation Khurpiya Farm (4.0 km)	10.82	10.82
	Total	342.63	342.63
	FY 2027-28		

Table 3.11: List of the Projects under TBCB scheme for FY 2026-27 and FY 2027-28 (Rs. Crore)

Sl. No.	Project	Capitalisation Claimed by PTCUL	Project to be Considered under TBCB
1.	LILO of 400 kV Bareilly-Kashipur line at proposed 400 kV Substation Khurpiya Farm (24.0 KM)	233.96	233.96
2.	400/220 kV AIS Substation Khurpiya Farm, Kichha	339.98	339.98
3.	Extension of 400 kV Switching Sub-station Pipalkoti to 400/132 kV sub-station GIS Pipalkoti (3x20 MVA) (with 1x20 MVA spare)	156.62	156.62
4.	220 kV DC line from 400/220 kV substation Puhana to proposed 220/132/33 kV SS Raipur and underground line.	115.53	115.53
5.	220/132/33 kV AIS Substation Raipur (2x160 MVA (220/132 kV) and 2x80 MVA (132/33 kV)	283.1	283.1
6.	132/66/33 kV S/s Pipalkoti (3x20 MVA)	257.95	257.95
7.	Supply and Erection Substation Automation System (SAS) at 39 Substations of PTCUL.	283.15	283.15
	Total	1670.29	1670.29

The Commission observed that the Petitioner in its Petition has proposed certain projects for implementation during the first year of the Control Period, specifically FY 2025-26. These projects are: 'Replacement of old wolf/Panther Conductor with HTLS Conductor of 132kV Laksar-Manglore Line,' 'Increasing Capacity of 132 kV Substation Manglore by Procurement, Installation & Commissioning of 132/33 kV, 1 x 80 MVA Transformer,' '220 kV S/S Piran Kaliyar (Haridwar): Renovation of boundary wall and construction of nalla,' and '132 kV S/S Majra, Dehradun: Construction of Guest house at 132 kV S/S at Majra campus Dehradun."

However, the Commission also noted that the estimated completion date for the aforementioned projects as submitted by PTCUL in its revised submissions is in FY 2026-27, which falls within the second year of the Control Period. Accordingly, the Commission has considered capitalisation of these schemes in FY 2026-27.

As discussed in Chapter 4 of the Order (Annual Performance Review for FY 2024-25) the capitalisation of capital expenditure schemes amounts to Rs. 26.68 Crore is spilled over to the FY 2025-26. Hence, the Commission has considered the spilled over of the Projects from FY 2024-25 to FY 2025-26.

Further, the Commission has decided not to consider the scheme related to a portion of the inter-state transmission system (ISTS) line, namely, 'Construction of Well foundation of 400 kV Kashipur-Moradabad-Nehtaur Transmission Line, Kashipur.' As this is the Inter State Transmission Line (ISTS line) and the tariff of ISTS lines is to be determined by the Central Electricity Regulatory Commission.

Based on the above analysis, the list of the capital expenditure schemes considered subject to approval by the Commission on case to case basis for capitalisation in FY 2025-26 is shown in the Table given below:

Table 3.12: List of the Projects considered subject to approval by the Commission on case to case basis for Capitalisation in FY 2025-26 (Rs. Crore)

Sl. No.	Project	Proposed	Approved
1.	Replacement of Panther conductor of Majra-Jhajhra Line with HTLS Conductor	19.19	19.19
2.	Construction of new 132/33 kV bay, foundation of 40 MVA transformer and its associated works at 132 kV substation Jwalapur under 220 kV O&M Division SIDCUL, Haridwar.	4.98	4.98
3.	Upgradation of Substation Automation System (SAS) at 220 kV Substation, Kamaluaganja, and 220 kV Substation, Jafarpur	17.48	11.03
4.	SAS and BCU upgradation at 220 kV Substation Jhajhra, Dehradun	4.66	4.66
5.	Supply and erection of online transformer oil moisture removal system at various Substation under O&M Circle Roorkee	4.38	4.38
6.	Procurement and installation of online dry out system at various Substations of Kumaon Zone	4.38	4.38
7.	132 kV Single circuit Kulhal-Dhalipur Transmission Line: Construction of well foundation at Tower Location No 17(A) and 16 of 132 kV Single circuit Kulhal-Dhalipur Transmission Line	3.26	3.26
8.	Construction of Well foundations at Tower Location No 76 of 132 kV Bazpur - Haldwani Transmission line	1.74	1.74
9.	Construction of approach road for office and residences at 220 kV S/S Kamaluaganja, Haldwani	0.58	0.58
10.	Construction of approach road for office and residences at 132 kV S/S Kathgodam	1.56	1.56
11.	Construction of boundary wall at 220 kV S/S at Kamaluaganja	3.79	3.79
12.	Construction of Well foundation and pile foundation at 132 kV Kashipur-Bazpur Transmission Line, Kashipur	2.36	2.36
13.	Construction of Well foundation of 132 kV Kalagarh-Ramnagar and Jaspur-Kashipur DC Transmission line, Kashipur	1.62	1.62
14.	Construction of Well foundation of 220 kV Kashipur- Pantnagar Transmission line	1.62	1.62
15.	Construction of approach road at 132 kV S/S Almora	0.76	0.76
16.	Construction of project office at 132 kV Srinagar	0.4	0.4
	Total	72.76	66.31
	Projects shifted from FY 2024-25 to FY 2025-26		
1.	Work of Procurement and installation of 132 kV Hybrid Circuit Breaker for Transformer Bus at 132 kV S/S Bhagwanpur	1.71	1.71
2.	Supply of Circuit Breakers (CB) at 220 kV Substation Piran Kaliyar	0.54	0.54
3.	Procurement of Bushing for the Different Transformers installed at all the Three Substation comes under the jurisdiction of 220 kV (O&M) Division Jhajhra.	0.20	0.20
4.	132 kV S/C link line between 132 kV S/s Purkul and Bindal	19.65	19.65
5.	Work of Up- gradation of the D400 system at 220/132 kV Jhajra	4.58	4.58
	Total	26.68	26.68
	Grand Total	99.44	92.99

For the second year of the fifth Control Period, Financial Year 2026-27, the Commission, after detailed consideration of the status and progress of each scheme, has approved the project-wise capitalisation. The Commission has observed that the Petitioner proposed higher capital cost in the Business Plan than the capital cost approved in the respective investment approval by the

Commission. In such cases, the Commission has considered the capital cost based on the respective investment approval. Additionally, it is noted that the Petitioner has proposed the main scheme and its associated scheme as separate entities. The Commission observed that the project “*LILO of 132 kV Majra-Laltappar at the proposed 132 kV S/s Araghar, Dehradun through 132 kV Underground Cable*” serves as the associated scheme, forming an integral part of the main scheme, which is the “*Construction of 132/33kV, 2x40 MVA GIS Substation, Araghar.*” Therefore, the main scheme and its associated scheme are treated as a single integrated scheme, with the costs of the associated scheme incorporated into the total amount allocated to the main scheme.

Based on above analysis, the list of the capital expenditure schemes considered subject to approval by the Commission on case to case basis for capitalisation in FY 2026-27 is shown in the Table given below:

Table 3.13: List of the Projects considered subject to approval by the Commission on case to case basis for capitalisation in FY 2026-27 (Rs. Crore)

Sl. No.	Projects	Capitalisation Claimed by PTCUL	Approved
	Shifted from FY 2025-26 to FY 2026-27		
1.	Replacement of old wolf/Panther Conductor with HTLS Conductor of 132kV Laksar-Manglore Line	29.46	29.46
2.	Increasing Capacity of 132 kV Substation Manglore by Procurement, Installation & Commissioning of 132/33 kV, 1 x 80 MVA Transformer	16.91	16.91
3.	220 kV S/S Piran Kaliyar (Haridwar): Renovation of boundary wall and const of nalla	6.7	6.7
4.	132 kV S/S Majra, Dehradun: Construction of Guest house at 132 kV S/S at Majra campus Dehradun	8.37	8.37
	TOTAL	61.44	61.44
	Projects considered in FY 2026-27		
1.	Procurement of 500 MVA 400/220 kV transformer along with NIFPES & construction of 400 kV and 220 kV (AIS) bays along with transformer plinth for erection, testing & commissioning of 500 MVA 400/220KV transformer and its associated work at 400 kV substation Kashipur.	77.07	77.07
2.	Ampacity Enhancement of 220 kV Roorkee-Puhana Line with HTLS Conductor	13.95	13.95
3.	Augmentation of Transformer capacity from 2x160MVA (220/132 kV) to 3x160MVA (220/132 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 160 MVA (220/132 kV) Transformer at 220 kV Substation Rishikesh.	27.14	27.14
4.	Increasing Capacity of 220 kV Substation Roorkee by Procurement, Installation & Commissioning of 220/33 kV, 2x100 MVA Transformer	50.17	50.17
5.	Increasing capacity of 220 kV Sub-station SIDCUL, Haridwar form 2X80(132/33 kV) Transformer to 3X80 MVA (132/33 kV) Transformer	26.19	26.19
6.	Augmentation of Transformer capacity at 220 kV S/S SIDCUL, Haridwar from 2X80 MVA (132/33 KV) + 1X50 MVA (220/33 KV) +1X25 MVA (220/33 KV) to 2X80 MVA (132/33 KV) + 2X50 MVA (220/33 KV)	16.86	16.86
7.	220/33 kV Substation, Banbasa	212.08	209.00
8.	Construction of 220/33 kV Substation Selaqui, Dehradun	130.19	72.09
9.	Construction of LILO of 220 kV Khodri-Jhajra line at proposed 220 kV Substation Selaqui Dehradun with Underground Cable	17.98	
10.	220KV Sub Station Manglore (2x160 MVA and 2x40 MVA)	140.32	116.05
11.	LILO of 220 kV Roorkee - Nara Line at 220 kV Sub Station Manglore	4.7	
12.	LILO of 132 kV Manglore-Asahi line & Manglore - Air Liquide Line at 220 kV	2.55	

Table 3.13: List of the Projects considered subject to approval by the Commission on case to case basis for capitalisation in FY 2026-27 (Rs. Crore)

Sl. No.	Projects	Capitalisation Claimed by PTCUL	Approved
	Sub Station Manglore		
13.	Replacement of old ACSR Panther Conductor with HTLS Conductor of 132 kV Rishikesh-T Point-Chilla-Bhupatwala Line	31.37	31.37
14.	Augmentation of Transformer capacity from 1x20MVA (132/33 kV) + 1x12.5MVA (132/33 kV) to 1x 20(132/33kV) +1x 40 MVA (132/33kV) at 132kV IDPL Substation, under 220 kV O&M Division, Rishikesh.	15.36	15.36
15.	Augmentation of 132kV Substation from 3x40MVA T/F to (2x40MVA+1X80 MVA) at 132kV S/s Laksar	24.36	24.36
16.	Construction of 132/33 KV, 2x40 MVA AIS substation, Sarvarkhera, US Nagar	148.93	69.05
17.	LILO of 132 kV of Kashipur -Mahuakeraganj Line at 132 kV substation at Sarvarkhera	17.95	
18.	Increasing Capacity of 132 kV Substation Bhowali from (2x20+3x5) MVA to (2x20+3x15) MVA.	27.23	27.23
19.	Augmentation of transformer capacity of 132 kV substation Kichha from 3x40MVA to 1x80 MVA+2x40 MVA.	23.94	23.94
20.	Construction of 132/33 KV, 2x40 MVA GIS substation, Araghar	86.68	84.43
21.	LILO of 132 kV Majra-Laltappar at proposed 132 kV S/s Araghar Dehradun through 132 kV Underground Cable	29.39	
22.	Construction of 132/33 KV, 2x40 MVA GIS substation, Dhaulakhera	90.60	55.61
23.	LILO of 132 kV Kathgodam- Rudrapur at 132 kV substation, Dhaulakhera	1.04	
24.	Construction of 132/33 KV, 2x40 MVA GIS substation, Khatima	95.85	61.26
25.	LILO of 132 kV Khatima - Sitarganj Line at 132/33 kV substation at Khatima II	1.74	
26.	Construction of 132/33 KV, 2x40 MVA GIS substation, Lohaghat	94.74	52.11
27.	Replacement of old 132 / 33 kV 20 MVA transformer with new 132/33 kV 20 MVA Transformer at 132 kV Substation Ranikhet	8.18	8.18
28.	Increasing Capacity of 66 kV Substation Thithki (Manglore) by Procurement, Installation & Commissioning of 66/33 kV, 2x30 MVA Transformer	12.55	12.55
29.	Construction of 132 kV and 66 kV Bays and installation of 3x20 MVA 132/66 kV T/F at 132 kV Substation, Simli.	37.49	12.92
30.	132kV bay at 132kv S/s Kichha	2.16	2.16
31.	Procurement of 01 no. Set if Emergency Restoration system tower for 400 kV, 220 kV, and 132 kV suspension / tension tower) line	20.20	20.20
32.	Erection and commissioning of new bay for existing 50 MVAR Reactor at 400 kV Substation Rishikesh	4.11	4.11
33.	Procurement & erection of 125 MVAR reactor alongwith its associated bay and related work at 400KV S/S Kashipur	36.2	14.75
34.	Construction of Termination of LILO of 220 kV Sherpur-Jhajhra at Vyasi HEP for directly at 400 kV Substation, Sherpur (PGCIL) (2.5 kms.)	85.95	85.95
35.	Stringing of Second circuit of 132 kV D/C Transmission line on Panther conductor from Pithoragarh (PGCIL) - Champawat (Lohaghat)	6.77	6.77
36.	Strengthening of 66 kV Roorkee-Thithki-Mohammadpur D/C Line	51.21	51.21
37.	Construction of 66 kV D/C line for LILO of 66 kV Karanprayag - Kothiyalsain line at 132 kV Substation, Simli	9.92	5.24
38.	"Supply, Erection, Testing and Commissioning of 33 kV 20 MVAR (2x2x5) Capacitor Bank and 33 kV AIS Bay at 220 kV Sub-Station Jafarpur", "Supply, Erection, Testing and Commissioning of 2x5 MVAR Capacitor Bank and 33 kV GIS Bay for Capacitor Bank at 132 kV GIS Substation Bageshwar" and "Supply, Erection, Testing and Commissioning of new 1x10 MVAR Capacitor Bank at 220 kV Substation Pantnagar.	10.15	10.15
39.	Route alignment of Tower no RD ii 63 to Tower no RD ii 66 of 220 kV Rishikesh Dharasu ckt ii Transmission line from land sliding zone to safer zone near Aleru village Tehri (G)	12.76	12.76
40.	Chief Office (Garhwal zone) 26- Civil lines Roorkee: Construction of Chief (Garhwal zone) & SE office Transmission Roorkee	3.67	3.67
41.	220/132 kV S/S Ramnagar, Roorkee: Earth filling and land development work backside of 220/132 kV switchyard	10.26	10.26
42.	220/132 kV S/S Ramnagar, Roorkee: Improvement of drainage system	5.22	5.22

Table 3.13: List of the Projects considered subject to approval by the Commission on case to case basis for capitalisation in FY 2026-27 (Rs. Crore)

Sl. No.	Projects	Capitalisation Claimed by PTCUL	Approved
43.	132 kV S/S Satpuli: Construction of boundary wall of substation	5.06	5.06
44.	Construction of 8 no Type-ii quarters (D/S), 2 no's Type-iii quarters (D/S) after demolition and dismantling of 2 block (8 no's each) of type-i and 1 block of 4 nos. each of type-ii and development work and approach road to colony at 132 kV S/S Bhowali	4.05	4.05
45.	Construction of 1 nos. Type- IV residences at 132 kV S/S Kicha	0.61	0.61
46.	Construction of boundary wall at 132 kV S/S Almora	6.5	6.5
47.	Construction of 2nos Type- ii residences at 132 kV S/S Ranikhet	0.55	0.55
	Total	1741.95	1336.11
	Grand Total	1803.39	1397.55

The Commission, while considering the additional capitalisation for the final year of the fifth Control Period, FY 2027-28, has considered the works expected to be completed in that year. The list of the projects considered subject to approval by the Commission on case to case basis for FY 2027-28 is detailed in the table below:

Table 3.14: List of the Schemes considered subject to approval by the Commission on case to case basis for capitalisation in FY 2027-28 (Rs. Crore)

Sl. No.	Project	Capitalisation Claimed by PTCUL	Approved
1.	Augmentation of 220 kV substation Piran Kaliyar from 2x100 MVA to 2x160 MVA Transformer at 220/132 kV Voltage level	55.09	55.09
2.	Augmentation of Transformer Capacity from 2X100MVA to 2X160MVA at 220 kV S/s Mahuakheraganj	65.33	65.33
3.	Supply, Erection, Testing & Commissioning of 160MVA 220/132 kV Transformer alongwith its associated 220KV and 132 kV Bays at 220 kV S/s Pantnagar	37.42	37.42
4.	Augmentation of transformer capacity from 120 MVA (3X40 MVA) to 160 MVA (2X40 MVA + 1X80 MVA) at 220 kV Substation Kamaluaganja, Haldwani.	24.79	24.79
5.	Replacement of Panther conductor of 132kV Bindal-Majra Line with HTLS conductor.	11.14	11.14
6.	132kV DC Pipalkoti (400 kV Substation Pipalkoti) to 132/66/33 kV GIS Substation Pipalkoti transmission line	31.3	31.3
7.	Replacement of old ACSR Panther conductor of 132 kV Kashipur (400) to Kashipur, S/C CKT-1 line and 132 kV Kashipur, S/C CKT-2 line with high ampacity with HTLS Conductor.	17.35	17.35
8.	132kV 2 phase line on d/c towers from 132kv ss Kichha to TSS Lalkuan (19.3 Km.)	12.45	12.45
9.	Increasing Capacity of 132 kV Substation Roorkee by Procurement, Installation & Commissioning of 132/33 kV, 1 x 80 MVA Transformer	21.69	21.69
10.	Increasing Capacity of 132 kV Substation Manglore by Procurement, Installation & Commissioning of 132/33 kV, 80 MVA Transformer	22.4	22.40
11.	Estimate for Increasing Capacity of 132 kV Substation Bhagwanpur by Procurement, Installation & Commissioning of 132/33 kV, 80 MVA Transformer.	24.16	24.16
12.	Augmentation of transformer capacity from 3X40 MVA (132/33 kV) to 3X40+1X80 MVA (132/33 kV) by procurement, installation, testing & commissioning of 1 no 132/33 KV, 80 MVA Transformer & its associated work at 132 kV S/S Jwalapur	23.55	23.55
13.	Augmentation of Transformer capacity from (40+20) MVA (132/33 kV) to (2x40) MVA (132/33 kV) and (20+3x5) MVA (132/66 kV) to (20+40) MVA (132/66 kV) at 132 kV Substation Srinagar.	27.72	27.72
14.	Construction of 02 Nos. 132 kV Bays at 132 kV Substation, Satpuli	7.71	7.71
15.	Augmentation of transformer capacity from 100 MVA (2X40 MVA+1X20 MVA) to	3.12	3.12

Table 3.14: List of the Schemes considered subject to approval by the Commission on case to case basis for capitalisation in FY 2027-28 (Rs. Crore)

Sl. No.	Project	Capitalisation Claimed by PTCUL	Approved
	120 MVA (3X40 MVA) at 132 kV substation Rudrapur.		
16.	Augmentation of Transformer capacity from 2x40 MVA (132/33 kV) to 2x 40 MVA (132/33kV) + 1*80 MVA at 132 /33 kV Substation Purkul Dehradun	23.47	23.47
17.	LILO of 66 kV Kothiyalsain-Joshimath transmission line at proposed 132/66/33 kV GIS sub-station Pipalkoti	10.59	10.59
18.	Strengthening of 66 kV Srinagar - Joshimath line by replacement of Tubular Poles Structure with Tower Structure.	12.6	12.60
19.	Removal of defective 2x2x5 MVAR Capacitor banks at 132 kV S/s Kashipur and 2X5MVA at 132 kV S/s Jaspur with installation of new 2X2X5 MVAR Capacitor banks at 132 kV S/s Kashipur and 132 kV S/S Jaspur under 400 kV O&M Circle, Kashipur.	8.12	8.12
20.	132 kV S/S Bindal, Dehradun: 1. Construction of Type -iii Residence (D/S) and Land development work	5.8	5.80
21.	132 kV S/S Bindal, Dehradun 2. Construction of community hall	4.67	4.67
22.	220 kV S/S Chamba (Tehri Garhwal): 1. Dismantling of Type- iii old residence and Construction of 06 Nos Type-iii Residence	4.45	4.45
23.	Construction of 2 nos. Type- IV residences at 132 kV S/S Almora	1.18	1.18
	Total	456.10	456.10

While approving the Annual Performance Review of FY 2024-25, the Commission observed that scheme “220 kV D/C Transmission line from interconnection point of Singoli Bhatwari HEP 220 kV substation Rudrapur (Baramwari” is estimated to be completed in FY 2027-28. Hence the scheme is shifted to FY 2027-28.

It is observed from the revised submissions of PTCUL, the Projects amounting to Rs. 983.83 Crore, initially proposed for completion in FY 2026-27, are now scheduled for completion in FY 2027-28. Consequently, the Commission has deferred capitalisation of these Projects to FY 2027-28. The list of the projects thus deferred is shown in the table below:

Table 3.15: List of the Projects shifted from FY 2024-25 and FY 2026-27 to FY 2027-28 (Rs. Crore)

Sl. No.	Project	Capitalisation Claimed by PTCUL	Considered in FY 2027-28
FY 2024-25			
1.	220 kV D/C Transmission line from interconnection point of Singoli Bhatwari HEP to proposed 220 kV substation Rudrapur (Baramwari)	32.08	28.54
FY 2026-27			
1.	Replacement of old ACSR Zebra Conductor with HTLS Conductor for 220KV Piran Kaliyar-SIDCUL line	25.95	25.95
2.	Replacement of old ACSR Zebra Conductor with HTLS Conductor of 220 kV SIDCUL-Rishikesh Line	35.63	35.63
3.	Replacement of old Deer Conductor with HTLS Conductor of 220 kV IIP-Rishikesh Line	47.84	47.84
4.	LILO of 220 kV Bareilly-Pantnagar line at proposed 220/132/33 kV Substation Khurpiya Farm (4.0 Km.)	13.63	13.63

Table 3.15: List of the Projects shifted from FY 2024-25 and FY 2026-27 to FY 2027-28 (Rs. Crore)

Sl. No.	Project	Capitalisation Claimed by PTCUL	Considered in FY 2027-28
5.	Augmentation of 220 kV substation Piran Kaliyar from 2x50 MVA to 2x100 MVA Transformer at 220/33 kV Voltage level	52.54	52.54
6.	Augmentation of Transformer capacity from 2x160MVA (220/132 kV) to 3x160MVA (220/132 kV) by supply, Erection, Testing & Commissioning of 01 no. additional 160 MVA (220/132 kV) Transformer at 220 kV Substation Jhajhra.	63.75	47.99
7.	Augmentation of Transformation Capacity of 220/33kV, 2x50 MVA T/F with 220/33 kV, 2x50+1x100 MVA Transformer and associated works at 220 kV GIS Substation, IIP, Harrawala under 220 kV O&M Division, Harrawala, Dehradun.	36.16	36.16
8.	220/33 kV Substation Rudrapur (Baramwari)	210.92	103.17
9.	Replacement of old Panther Conductor with HTLS Conductor and power cable work of 132 kV Piran Kaliyar-Bhagwanpur-LSM-Roorkee line & 132 kV Piran Kaliyar-Chudiyala-Roorkee line	78.9	78.9
10.	Replacement of Panther conductor of Majra-Laltappar Line with HTLS Conductor	33.68	33.68
11.	Replacement of Panther conductor of 132kV Bindal-Rishikesh Line with HTLS conductor	55.38	55.38
12.	Replacement of Old Panther Conductor of 132 kV Purkul-Jhajra line with HTLS conductor.	27.63	27.63
13.	Replacement of Old ACSR Panther Conductor of 132 kV Jaspur to Kashipur (400) line including LILO 0.5 km(18.0kms) with HTLS conductor.	23.51	23.51
14.	Design, testing manufacturing, supply and stringing of HTLS Conductor along with replacement of ACSR Panther Conductor in 132 kV Sitarganj (PGCIL)-ELDECO Sitarganj single circuit line (22.0km) and first circuit of 132 kV Sitarganj-Kichha line (31.5kms).	59.42	59.42
15.	Ampacity increment of 132 kV Haldwani-Kathgodam Line single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	9.98	9.98
16.	Ampacity increment of 132 kV Kathgodam - Bhowali single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	17.54	17.54
17.	Augmentation of Transformer capacity from 2x20 MVA (132/33 kV) to (2x40) MVA (132/33 kV) at 132 kV Substation Simli (Karanprayag).	28.12	28.12
18.	Augmentation of Transformer capacity from 3x40MVA (132/33 kV) to 2x40 +1x 80 MVA at 132kV Substation Majra, under O&M Division, Yamuna Colony, Dehradun.	23.35	23.35
19.	Augmentation of transformer capacity from 3x40 MVA to (2x80+1x40) MVA at 132 kV substation Kashipur.	56.52	56.52
20.	Augmentation of transformer capacity from 80 MVA (2X40 MVA) to 160 MVA (2X40 MVA + 1X80 MVA) including construction of associated 132 kV & 33 kV bays at 132 kV Substation Kathgodam, Haldwani.	24.44	24.44
21.	Augmentation of Transformer Capacity from 40 MVA (2 X20 MVA) to 60 MVA (3X20MVA) including Replacement of old 132/33 kV, (1X20MVA) Transformer-III with a New (1X20) MVA Transformer at 132 kV substation, Almora.	23.7	23.7
22.	Replacement & augmentation of old 2x3x5 MVA Transformer banks with new 2x20 MVA at 132 kV Substation Ranikhet under O&M division Almora.	23.03	23.03

Table 3.15: List of the Projects shifted from FY 2024-25 and FY 2026-27 to FY 2027-28 (Rs. Crore)

Sl. No.	Project	Capitalisation Claimed by PTCUL	Considered in FY 2027-28
23.	Construction of central store and development works at 400KV S/S Kashipur.	14.20	14.20
24.	Construction of central store etc. at 220 kV S/S Rishikesh.	13.77	13.77
	Total	1031.67	904.62

Based on above, the year wise capital expenditure and capitalisation considered, subject to approval by the Commission on case to case for FY 2025-26 to FY 2027-28 is given in Table below:

Table 3.16: Capital Expenditure and Capitalisation for FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed	Approved	Claimed	Approved	Claimed	Approved
Opening CWIP	2860.44	857.01	4881.60	2099.17	3980.29	1997.62
Capital Expenditure	2162.73	1335.14	2220.50	1296.00	902.50	193.44
Capitalisation	141.57	92.99	3121.81	1397.55	2171.91	1360.72
Closing CWIP	4881.60	2099.17	3980.29	1997.62	2710.88	830.34

The Commission will consider the actual capital expenditure/capitalisation as a part of Annual Performance Review/Truing-up exercise subject to prudence check in accordance with the conditions stipulated by the Commission. The above capital expenditure and capitalisation approved by the Commission is excluding the UITP projects.

3.5 Financing Plan

3.5.1 Petitioner's Submissions

The Petitioner has proposed financing of projects with Debt: Equity ratio of 70:30. The debt shall be raised from institutions like PFC, REC, or other financial institutions. The Petitioner has submitted the details of the financing pattern as shown in the table below:

Table 3.17: Financing Pattern proposed for Fifth Control Period

Particulars	FY 2025-26	FY 2026-27	FY 2027-28
Capitalisation (Rs Crore)	141.57	3121.81	2171.91
Funding Pattern			
Debt (Rs Crore)	99.10	2185.27	1520.34
Equity (Rs Crore)	42.47	936.54	651.57
Grant (Rs. Crore)	-	-	-

3.5.2 Commission Analysis

Regulation 24 of the UERC Tariff Regulations, 2024 specifies as follows:

"24. Debt-equity ratio

(1) For a project declared under commercial operation on or after 1.4.2025, debt-equity ratio shall be 70:30. Where equity employed is more than 30%, the amount of equity for the purpose of tariff shall be limited to 30% and the balance amount shall be considered as normative Loan. Where actual equity employed is less than 30%, the actual equity would be used for determination of Return on Equity in tariff computations."

The Commission sought the financing plan for each of the proposed work along with the supporting documents. In reply, PTCUL submitted that in case of ADB funded projects the Loan documentation has been signed on 13.21.2023 between the Government of India and ADB and against this Loan HPC (High Power Committee of Government of Uttarakhand) has approved the funding of ratio as Grant-52%, Loan-28% (8% from ADB and 20% from Financial Institutions) and Equity 20%.

Further, in case of Non ADB projects, the documentation of loan is in under progress against the sanctioned projects from financial institutions for which investment approval has been obtained from the Commission. The projects in which the investment approval is not accorded by the Commission the funding tie up shall be done with the Financial Institution after getting the investment approval from the Commission.

The PTCUL has submitted the Annual Plan of the capital projects for equity infusion under the State Plan Budget for the financial year 2025-26 to the Government of Uttarakhand.

Further, the Commission sought the details of the ADB lending agreements (mentioning the Debt: Equity) along with the documentary evidence. In reply, the Petitioner vide letter dated March 06, 2025, submitted the Loan agreement of ADB & copy of MoM of High-Power Committee of GoU, dated. 11.06.2024. In accordance with the Regulation 24 of the UERC Tariff Regulations, 2024, the Commission has considered the debt equity of 70:30 for the projects other than the projects funded from the ADB. The Commission will consider and evaluate the actual financing plan for each scheme at the time of truing based on actual financing at the time of truing up of the respective year of the fifth Control Period from FY 2025-26 to FY 2027-28.

The financing plan considered by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 is shown in the Table below:

Table 3.18: Financing Plan approved by the Commission (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed	Approved	Claimed	Approved	Claimed	Approved
Capitalisation during the year (Rs. Crore)	141.57	92.99	3121.81	1397.55	2171.91	1360.72
Debt (Rs. Crore)	99.10	65.09	2185.27	692.16	1520.34	952.50
Equity (Rs. Crore)	42.47	27.90	936.54	351.14	651.57	408.22
Grant (Rs. Crore)	-	-	-	354.24	-	-

3.6 Transmission Loss Trajectory

3.6.1 Petitioner's Submissions

The Petitioner has proposed the intra-state transmission loss level increasing from 1.08% in FY 2025-26 to 1.13% in FY 2027-28 as shown in the Table below:

Table 3.19: Transmission Losses submitted by the Petitioner

Particulars	FY 2025-26	FY 2026-27	FY 2027-28
Transmission Losses	1.08%	1.11%	1.13%

3.6.2 Commission Analysis

As per Regulation 8(1)(b)(iii) if the UERC Tariff Regulations, 2024, the Petitioner is required to submit the transmission loss reduction trajectory for each year of the fifth Control Period from FY 2025-26 to FY 2027-28, including details of the measure proposed to be taken for achieving the target loss level for the fifth Control Period from FY 2025-26 to FY 2027-28. The Commission sought the details for implementing any measures for reduction of Transmission Losses. In reply, the Petitioner submitted some of the major works proposed for reducing the Transmission losses and the same are as follows:

Table 3.20: List of the Measures Adopted for reduction of Transmission Losses

Sl. No.	Name of the work	Proposed Completion Year	Proposed Measures to reduce the Transmission Losses
1.	Increasing capacity of 132 kV Sub-Station Bazpur from MVA and of 132kV Sub-Station Ramnagar from (1X20+1X40) MVA to 2X40 MVA	2025-26	Transformer augmentation works are basically for the meeting the Load growth. However, increasing capacity of transformer reduces the heating current on transformer resulting in low heating loss. Also new transformer are equipped with improved dielectric transformer oil and improved core that reduces the iron losses of the transformers. Also, this augmentation will improve the voltage profile at 33 kV level, improve voltage reduce the current resulting lower losses.
2.	Procurement of 500 MVA 400/220KV transformer alongwith NIPES & construction of 400KV and 220KV (AIS) bays alongwith transformer plinth for erection, testing & commissioning of 500MVA 400/220KV transformer and its associated work at 400KV S/s Kashipur.	2027-28	
3.	Augmentation of Transforming Capacity from 2X100 MVA to MVA at 220 kV Substation Mahuakheraganj.	2027-28	
4.	Augmentation of Transformer Capacity from 3X40MVA to (2X80+1X40) MVA at 132 kV Substation, Kashipur.	2027-28	
5.	Procurement and Erection of 125 MVAR Reactor	2027-26	Implementation of reactive power compensation

Table 3.20: List of the Measures Adopted for reduction of Transmission Losses

Sl. No.	Name of the work	Proposed Completion Year	Proposed Measures to reduce the Transmission Losses
	along with its associated bay and related work at 400KV Substation Kashipur.		through reactor / Capacitor Bank will improve voltage profile and improving power factor. Hence reducing the losses.
6.	Removal of defective 2X2X5MVAR Capacitor banks with Installation of new 2X2X5 MVAR capacitor banks at 132 kV S/S Kashipur.	2027-28	
7.	Replacement of old ACSR panther conductor of 132 kV Jaspur to Kashipur (400) line including LILO 0.5km (18.0kms) with HTLS conductor under 200KV Division Mahuakheraganj.	2027-28	Use of HTLS conductor that have low resistance and high conductivity can carry more current and withstand higher temperature reducing the losses due to radiation heating and sagging. Also reducing CORONA losses.
8.	Replacement of Old ACSR Panther Conductor of 132 kV Kashipur (400) to Kashipur line (5.5 Kms.) and 132 kV Kashipur (400)	2027-28	
9.	Supply, Erection, Testing & Commissioning of 160MVA 220/132 kV Transformer along with its associated 220KV and 132 kV Bays at 220 kV S/s Pantnagar	2027-28	Transformer augmentation works are basically for meeting the Load growth. However, increasing capacity of transformer reduces the heating current on transformer resulting in low heating losses. Further, new transformer is equipped with improved Di-electric transformer oil and improved core that reduces the iron losses of the transformers. Also these augmentations will improve the voltage profile at 33 kV level, and will reduce the current resulting lower losses.
10.	Augmentation of transformer capacity from 120 MVA (3X40 MVA) to 160 MVA (2X40 MVA + 1X80 MVA) at 220 kV Substation Kamaluaganja, Haldwani.	2027-28	
11.	Increasing Capacity of 132 kV Substation Bhowali from (2x20+3x5) MVA to (2x20+3x15) MVA.	2026-27	
12.	Augmentation of transformer capacity from 80 MVA (2X40 MVA) to 160 MVA (2X40 MVA + 1X80 MVA) including construction of associated 132 kV & 33 kV bays at 132 kV Substation Kathgodam, Haldwani.	2026-27	
13.	Augmentation of transformer capacity of 132 kV substation Kichha from 3x40MVA to 1x80 MVA+2x40 MVA.	2026-27	
14.	Augmentation of transformer capacity from 100 MVA (2x40 MVA+ 1x20 MVA) to 1x20 MVA (3x40 MVA) at 132 kV substation Rudrapur.	2027-28	
15.	Augmentation of Transformer Capacity from 40 MVA (2 X20 MVA) to 60 MVA (3X20MVA) including Replacement of old 132/33 kV, (1X20MVA) Transformer-III with a New (1X20) MVA Transformer at 132 kV substation, Almora.	2026-27	
16.	Replacement & augmentation of old 2x3x5 MVA Transformer banks with new 2x20 MVA at 132 kV Substation Ranikhet under O&M Division Almora.	2026-27	
17.	Design, testing manufacturing, supply and stringing of HTLS Conductor along with replacement of ACSR Panther Conductor in 132 kV Sitarganj (PGCIL)-ELDECO Sitarganj single circuit line (22.0km) and first circuit of 132 kV Sitarganj-Kichha line (31.5kms).	2026-27	HTLS conductors have low resistance and high conductivity. They can carry more current and withstand higher temperature thus reducing the ohmic losses due to radiation heating and sagging and reducing CORONA losses.
18.	Ampacity increment of 132 kV Haldwani-Kathgodam Line single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	2026-27	
19.	Ampacity increment of 132 kV Kathgodam - Bhowali single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	2026-27	
20.	Supply, Erection, Testing and Commissioning of 33 kV 20 MVAR (2x2x5) Capacitor Bank and 33 kV AIS Bay at 220 kV Sub-Station Jafarpur", Supply, Erection, Testing and Commissioning of 2x5 MVAR Capacitor Bank and 33 kV GIS Bay for Capacitor Bank at 132 kV GIS Substation Bageshwar" and "Supply, Erection, Testing and Commissioning of new 1x10 MVAR Capacitor Bank at 220 kV Substation Pantnagar.	2027-28	Implementation of reactive power compensation through Capacitor Bank will improve voltage profile and improving power factor. Hence reducing the losses.

Table 3.20: List of the Measures Adopted for reduction of Transmission Losses

Sl. No.	Name of the work	Proposed Completion Year	Proposed Measures to reduce the Transmission Losses
21.	Increasing capacity of 132 kV Sub-Station Bazpur from 1X80+1X40M MVA and of 132 kV Sub-Station Ramnagar from (1X20+1X40) MVA to 2X40 MVA	2025-26	Transformer augmentation works are basically for load growth. However, increasing the capacity of transformer reduces the heating current on transformer resulting in low heating losses. Further, new transformer is equipped with improved Di-electric transformer oil and improved core that reduces the iron losses of the transformer. Also these augmentation will improve the voltage profile at 33 kV and will reduce the current resulting lower losses.
22.	Procurement of S00MVA 400/220KV transformer alongwith NIPES & construction of 400KV and 2201<V (AIS) bays alongwith transformer plinth for erection, testing & commissioning of S00MVA 400/220KV transformer and its associated work at 400KV S/s Kashipur.	2027-28	
23.	Augmentation of Transforming Capacity from 2X100 MVA to 2x160 MVA at 220 kV Substation Mahuakheraganj.	2027-28	
24.	Augmentation of Transformer Capacity from 3X40MVA to (2X80+1X40) MVA at 132 kV Sub-Station, Kashipur.	2027-28	
25.	Procurement and Erection of 125MVAR Reactor along with its associated bay and related work at 400KV Substation Kashipur.	2027-28	Implementation of reactive power compensation through reactor /capacitor bank will improve the voltage profile and improving the power factor. Hence reducing the losses.
26.	Removal of defective 2X2XSMVAR Capacitor banks with Installation of new 2X2XS MVAR capacitor banks at 132 kV 5/5 Kashipur.	2027-28	
27.	Replacement of old ACSR panther conductor of 132 kV Jaspur to Kashipur (400) line including LILO 0.5km (18.0kms) with HTLS conductor under 200KV O&M Division Mahuakheraganj.	2027-28	
28.	Replacement of Old ACSR Panther Conductor of 132 kV Kashipur (400) to Kashipur (CKT-1) [S/C+D/C] line (5.5 Kms.) and 132 kV Kashipur (400) to Kashipur (CKT-2) [S/C+D/C] line (6.046 Kms.) with high Ampacity HTLS Conductor.	2027-28	
29.	Supply, Erection, Testing & Commissioning of 160MVA 220/132 kV Transformer along with its associated 220KV and 132 kV Bays at 220 kV S/s Pantnagar	2027-28	Transformer augmentation works are basically for load growth. However, increasing the capacity of transformer reduces the heating current on transformer resulting in low heating losses. Further, new transformer is equipped with improved Di-electric transformer oil and improved core that reduces the iron losses of the transformer. Also these augmentation will improve the voltage profile at 33 kV and will reduce the current resulting lower losses.
30.	Augmentation of transformer capacity from 120 MVA (3X40 MVA) to 160 MVA (2X40 MVA + 1X80 MVA) at 220 kV Substation Kamaluaganja, Haldwani	2027-28	
31.	Increasing Capacity of 132 kV Substation Bhowali from (2x20+3x5) MVA to (2x20+3x15) MVA	2026-27	
32.	Augmentation of transformer capacity from 80 MVA (2X40 MVA) to 160 MVA (2X40 MVA+ 1X80 MVA) including construction of associated 132 kV & 33 kV bays at 132 kV Substation Kathgodam Haldwani	2026-27	
33.	Augmentation of transformer capacity of 132 kV substation Kichha from 3x40MVA to 1x80 MVA+2x40 MVA	2026-27	
34.	Augmentation of transformer capacity from 100 MVA (2x40 MVA+ 1x20 MVA) to 1x20 MVA (3x40 MVA) at 132 kV substation Rudrapur	2027-28	
35.	Augmentation of Transformer capacity from 40 MVA (2 X20 MVA) to 60 MVA (3X20MVA) including Replacement of old 132/33 kV, (1X20MVA) Transformer-III with a New (1X20) MVA Transformer at 132 kV substation, Almora.	2026-27	
36.	Replacement & augmentation of old 2x3x5 2026-27 MVA Transformer banks with new 2x20 MVA at 132 kV Substation Ranikhet under O&M Division Almora	2026-27	
37.	Design, testing manufacturing, supply and stringing of HTLS Conductor along with replacement of ACSR Panther Conductor in 132 kV Sitarganj (PGCIL)-	2026-27	

Table 3.20: List of the Measures Adopted for reduction of Transmission Losses

Sl. No.	Name of the work	Proposed Completion Year	Proposed Measures to reduce the Transmission Losses
	ELDECO Sitarganj single circuit line (22.0km) and first circuit of 132 kV Sitarganj-Kichha line (31.5kms).		losses due radiation heating and sagging and reducing CORONA losses.
38.	Ampacity increment of 132 kV Haldwani- Kathgodam Line single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	2026-27	
39.	Ampacity increment of 132 kV Kathgodam - Bhowali single circuit transmission line by replacement of existing ACSR panther conductor with high capacity HTLS conductor.	2026-27	
40.	Supply, Erection, Testing and Commissioning of 33 kV 20 MVAR (2x2x5) Capacitor Bank and 33 kV AIS Bay at 220 kV Sub-Station Jafarpur", Supply, Erection, Testing and Commissioning of 2x5 MVAR Capacitor Bank and 33 kV GIS Bay for Capacitor Bank at 132 kV GIS Substation Bageshwar" and "Supply, Erection, Testing and Commissioning of new 1x 10 MVAR Capacitor Bank at 220 kV Substation Pantnagar.	2027-28	Implementation of reactive power compensation through Capacitor bank will improve voltage profile and improving power factor. Hence reducing the losses.

Further during the TVS, the Commission sought the reason for not proposing any reduction in transmission losses during the fifth Control Period even after considering the schemes for transmission loss reduction in Business Plan. In reply, the Petitioner vide letter dated February 07, 2025, submitted that as the electricity demand is continuing to grow, the total energy transmitted through the network will also increase. At the same time, expanding the transmission system by adding new substations, transformers, and lines is essential to maintain reliable power supply, but it also results in some unavoidable technical losses. The stability of the transmission loss trajectory is a natural outcome of balancing network growth and efficiency improvements.

The Commission noted the submission of the Petitioner. The actual intra-state losses during the past period are as shown in the Table below:

Table 3.21: Actual intra-state transmission loss during the past period

Year	Approved Transmission Loss	Actual Transmission loss
FY 2018-19	1.40%	1.27%
FY 2019-20	1.40%	1.21%
FY 2020-21	1.40%	1.10%
FY 2021-22	1.10%	1.01%
FY 2022-23	1.10%	1.01%
FY 2023-24	1.10%	1.03%

As the actual intra-State transmission losses for FY 2023-24 is considerably lower, the Commission has considered the transmission loss level of 1.03% for each year of the fifth Control Period from FY 2025-26 to FY 2027-28. The Petitioner shall strive to achieve transmission loss level

lower than that approved by the Commission by implementing the best practices from the past years.

3.7 Human Resource Plan

3.7.1 Petitioner's Submissions

The Petitioner has proposed the recruitment of 113 nos. employees in FY 2025-26, 260 nos. employees in FY 2026-27 and 118 nos. employees in FY 2027-28. The Petitioner has also submitted the detailed training plan for the fifth Control Period. The summary of manpower addition and retirement proposed by PTCUL in its Petition is summarized in Table below:

Table 3.22: HR Plan submitted by the Petitioner for FY 2025-26 to FY 2027-28

Particular	FY2025-26	FY2026-27	FY2027-28
Opening	895	997	1,245
Add: Recruitment	113	260	118
Less: Retirement	11	12	9
Closing	997	1,245	1,354

3.7.2 Commission Analysis

The actual recruitment and retirement of employees for the past period is shown in the Table Below:

Table 3.23: Actual Recruitment and Retirement during the past period

Particulars	FY 2018-19		FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23	
	Approved	Actual	Approved	Actual	Approved	Actual	Approved	Actual	Approved	Actual
Recruitment	208	86	187	22	173	31	124	54	74	44
Retirement	17	27	14	16	9	13	11	15	14	17

The Petitioner has not been able to achieve the recruitment of employees as approved by the Commission from the past many years. The Commission sought the details of recruitment process of 113 employees in FY 2025-26. In reply, the Petitioner has submitted that the details of the 105 nos. of employees are sent to the Government of Uttarakhand for unfreezing on which action from Government of Uttarakhand is under process. The Petitioner further submitted that after receiving approval for unfreezing the above posts from GoU, it will take at least one year time to complete the recruitment process.

During the TVS, the Commission asked the PTCUL to make realistic submission of manpower addition in FY 2025-26 as well as in FY 2026-27 and FY 2027-28. In reply, the Petitioner vide letter dated February, 07,2025, has revised the opening and closing number of employees for each financial year in its submission of Manpower Planning for FY 2025-26 to FY 2027-28. Further

the Commission also sought the status of 08 no. of employees proposed to be recruited in FY 2025-26. In reply, the Petitioner submitted the present status of the 08 no. employee addition along with the documentary evidence to the Commission.

In light of the above submissions of the Petitioner, the Commission has considered the revised submissions of the Petitioner regarding manpower addition in FY 2025-26, FY 2026-27 and FY 2027-28.

Accordingly, the HR Plan approved by the Commission is shown in the table below:

Table 3.24: HR Plan Approved by the Commission

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed	Approved	Claimed	Approved	Claimed	Approved
Opening number of employees	997	889	1099	886	1347	979
Recruitment during the year	113	8	260	105	118	-
Retirement during the year	11	11	12	12	9	9
Closing number of employees	1099	886	1347	979	1456	970

4 Petitioner's Submissions, Commission's Analysis, Scrutiny and Conclusion on Final Truing up for FY 2023-24

4.1 Annual Performance Review

The Commission vide its MYT Order dated March 31, 2022 on approval of Business Plan and MYT for the fourth Control Period from FY 2022-23 to FY 2024-25, approved the ARR for the Control Period based on the audited accounts available till FY 20120-21. Regulation 12(1) of the UERC Tariff Regulations, 2021, stipulates that under the MYT framework, the performance of the Transmission Licensee shall be subject to Annual Performance Review. The Commission vide its Order dated March 30, 2023 approved the truing up for FY 2021-22, APR for FY 2022-23 and determined ARR for FY 2023-24. The Commission vide its Order dated March 28, 2024 approved the truing up for FY 2022-23, APR for FY 2023-24 and determined ARR for FY 2024-25.

The Petitioner, in this Petition, has claimed true up for FY 2023-24 based on the audited accounts. The Petitioner, based on the true up for FY 2023-24, has also proposed a revenue gap on account of truing up to be adjusted in FY 2025-26. In accordance with Regulation 12(3) of the UERC Tariff Regulations, 2021, the Commission has carried out the true up for FY 2023-24 based on the audited accounts for FY 2023-24. The approach adopted by the Commission in the approval of true up for FY 2023-24 is elaborated in the subsequent paragraphs.

4.2 Value of opening assets

The Commission had discussed in detail its approach towards fixing of opening capital cost of PTCUL as on June 1, 2004, in its Tariff Order dated October 21, 2009. In the said Order, with respect to delay in finalization of the Transfer Scheme, it had been observed by the Commission that:

"The reason for this disinterest seems to be the caveat being put every year in the ARR and Tariff Petitions of UPCL and PTCUL that financial impact of finalization of transfer scheme should be allowed by the Commission as and when it takes place."

It had been further elaborated by the Commission in the above Order that it would be very difficult to capture and pass on the entire financial impact due to change in the values of opening assets and liabilities on finalization of transfer scheme in a single tariff year. After highlighting the

consequence of non-finalization of the Transfer Scheme, the Commission had also directed PTCUL as follows:

"The Petitioner is, therefore, directed to approach the State Government for early finalization of the transfer scheme and to provide them all necessary details/assistance in this regard. The Petitioner is directed to submit a report on steps taken by it and the status of transfer scheme within 3 months of the issuance of this tariff order."

The Commission in its Tariff Order dated April 6, 2010, had observed that no concrete steps were taken by PTCUL and had directed the Petitioner as under:

"The Commission accordingly directs PTCUL, one more time, to get the Transfer Scheme finalized within the ensuing financial year. The Commission would further like to warn PTCUL that sufficient time has already elapsed and if they do not make sincere efforts now they may eventually lose any past claims due to redetermination of GFA in future."

The Commission in its Tariff Order dated April 4, 2012, had further directed the Petitioner as under:

"As the Transfer Scheme has not been finalized so far, the Commission is constrained to adopt the same value for opening Gross Fixed Assets as already approved by it in the previous Tariff Orders. The Commission further, directs PTCUL to make sincere and all out efforts for getting the Transfer Scheme finalized within the ensuing financial year."

The Petitioner in its Petition for approval of Business Plan and MYT for the first Control Period from FY 2013-14 to FY 2015-16, submitted that Govt. of Uttarakhand vide its Order No. 117/(I)(2)/2011-05/19/2002 dated April 27, 2012, had approved the value of GFA of Rs. 1058.18 Crore taken by UPCL in its accounts as on November 9, 2001. PTCUL submitted that it had, accordingly, considered the opening value of assets of Rs. 263.39 Crore as assigned to it in the Transfer Scheme. The Commission held that the said communication could not be accepted till finalization of the Transfer Scheme as it was only a letter to UPCL from Government of Uttarakhand and not a proper notification on finalization of Transfer Scheme. Subsequently, the Commission vide its Tariff Orders dated May 6, 2013, April 10, 2014, April 11, 2015, April 5, 2016, March 29, 2017, March 21, 2018, and February 27, 2019, directed the Petitioner to expedite the finalization of Transfer Scheme, to which the Petitioner did not comply.

The Commission vide its Tariff Order for FY 2020-21 dated April 18, 2020, directed the Petitioner to get the Transfer Scheme finalized and to submit the same to the Commission along with its Petition for Annual Performance Review for FY 2020-21.

The Commission vide its Tariff Order for FY 2021-22 dated April 26, 2021, directed the Petitioner to get the Transfer Scheme finalized and to submit the same to the Commission along with its Petition for Annual Performance Review for FY 2021-22.

The Commission received the Government of Uttarakhand Notification No 263/I(2)/2022-05-20/2007-TC dated March 8, 2022 vide GoU letter dated March 9, 2022. As per the said notification, the GoU has approved the opening Gross Fixed Assets amounting to Rs 1058.15 Crore transferred from Uttar Pradesh Power Corporation Limited (UPPCL) to Uttarakhand Power Corporation Limited (UPCL).

As the opening GFA of UPCL has been finalized by GoU, the opening GFA of PTCUL will also get finalized based on this. The Commission in its Order dated March 31, 2022 directed the Petitioner to submit the impact of this notification and finalization of transfer scheme between UPCL and PTCUL as part of ARR and Tariff Petition for FY 2023-24. The Commission further remarked that the Commission will consider the impact of this notification and final transfer scheme between UPCL and PTCUL after due public process and prudence check in the ARR and Tariff Proceedings for FY 2023-24. However, the same was not submitted by PTCUL in the Tariff Petition for FY 2023-24. The Commission in its Order dated March 30, 2023 directed the Petitioner to submit the impact of this notification and finalization of transfer scheme between UPCL and PTCUL as part of ARR and Tariff Petition for FY 2024-25. The Commission further remarked that the Commission will consider the impact of this notification and final transfer scheme between UPCL and PTCUL after due public process and prudence check in the ARR and Tariff Proceedings for FY 2024-25. However, the same was not submitted by PTCUL in the Tariff Petition for FY 2024-25.

The Commission in its Tariff Order for FY 2024-25 dated March 28, 2024 further directs PTCUL to submit the impact of Government of Uttarakhand Notification No. 263/I(2)/2022-05-20/2007-TC dated March 8, 2022 and finalization of transfer scheme between UPCL and PTCUL as part of ARR and Tariff Petition for FY 2025-26. However, the same has not been submitted by PTCUL in the Tariff Petition for FY 2025-26.

The Commission directs PTCUL to submit the impact of Government of Uttarakhand Notification No 263/I(2)/2022-05-20/2007-TC dated March 8, 2022 and finalization of transfer scheme between UPCL and PTCUL as part of ARR and Tariff Petition for FY 2026-27.

The Commission, therefore, at this stage has considered the scheme wise closing GFA for FY 2022-23 as approved in its Tariff Order dated March 28, 2024, for the final truing up by the Commission as the opening GFA for FY 2023-24.

4.3 Additional capitalisation for FY 2023-24

The GFA addition claimed by PTCUL in truing up of FY 2023-24 that pertains to the Transmission business regulated by the Commission is Rs. 102.93 Crore for truing up of FY 2023-24. In addition, PTCUL has claimed GFA addition of Rs. 93.83 Crore which was disallowed by the Commission in the previous Tariff Orders.

The Commission vide its letter dated December, 12, 2024 directed PTCUL to clarify the reason for variation in the total capitalisation claim of Rs. 102.93 Crore w.r.t the amount of Rs. 145.81 Crore submitted in F-9A.

In response, PTCUL clarified that the total capitalisation claimed is based on the sum of capitalisation covered in Form F-9A along with the additional capitalisation covered in Form F-9.8. The difference in the capitalisation as per accounts and Form 9A plus F -9.8 is due to factors such as certain assets which were partly capitalised in the past are now completely capitalised as their associated elements were put to use in the current financial year. Based on the interaction with PTCUL and submissions made by the PTCUL vide its letter dated February 02, 2025, the Commission has adopted the following Methodology for approving the capitalisation for FY 2022-23:

- i. Each scheme is considered based on prudence check of the cost of Form 9A and Form 9.5.
- ii. IDC for the Schemes have been worked out on Pro-rata Basis by categorizing the delay under controllable and uncontrollable factors for Schemes Capitalised during FY 2023-24.

For additional capitalisation towards schemes capitalised in previous years and during FY 2023-24, the Commission has approved the additional capitalisation in accordance with Regulation 22 of the UERC Tariff Regulations, 2021, which is reproduced below:

"22. Additional capitalisation and De-capitalisation:

(1) The following capital expenditure within the original scope of work actually incurred or projected to be incurred after the date of commercial operation and up to the cut-off date may be admitted by the Commission, subject to prudence check:

a) Undischarged liabilities;

b) Works deferred for execution;

c) Procurement of initial capital spares within the original scope of work, subject to the provisions of Regulation 21(11);

d) Liabilities to meet award of arbitration or for compliance of the order or decree of a court; and

e) On account of change in law.

Provided that the details included in the original scope of work along with estimates of expenditure, deferred liabilities and the works deferred for execution shall be submitted along with the application for determination of tariff.

(2) The capital expenditure of the following nature actually incurred after the cut-off date may be admitted by the Commission, subject to prudence check:

a) Liabilities to meet award of arbitration or for compliance of the order or decree of a court;

b) Change in Law;

c) Works deferred for execution within the original scope of work;

d) Any liability for works admitted by the Commission after the cut-off date to the extent of discharge of such liabilities by actual payments;

e) Any additional capital expenditure which has become necessary for efficient operation of generating station or transmission system as the case may be. The claim shall be substantiated with the technical justification duly supported by the documentary evidence like test results carried out by an independent agency in case of deterioration of assets, report of an independent agency in case of damage caused by natural calamities, obsolescence of technology, up-gradation of capacity for the technical reason such as increase in fault level;

..."

Further, Regulation 3(19) of the UERC Tariff Regulations, 2021 defines cut-off date as under:

"(19) "Cut-off Date" means 31st March of the year closing after two years of the year of

commercial operation of whole or part of the project, and in case the whole or part of the project is declared under commercial operation in the last quarter of a year, the cut-off date shall be 31st March of the year closing after three years of the year of commercial operation."

In the subsequent paras, the Commission has discussed the scheme wise capitalisation for FY 2023-24 claimed by the Petitioner and approved by the Commission.

4.3.1 REC VII Scheme

The Petitioner has claimed the capitalisation of "132 kV S/C Line on Panther Conductor on Double Circuit Towers from 220/132 kV S/s Pithoragarh (PGCIL) to 132/33 kV Sub-station Lohaghat (Champawat)" amounting to Rs. 85.09 Crore during FY 2023-24. It is observed that the Commission in its previous Tariff Order for FY 2024-25 dated 28 March, 2024 has already provided its detailed view on the capitalisation of this scheme and for clarity the same is again repeated below:

"PTCUL has not planned the downstream asset (i.e. Sub-station at Lohaghat) yet. The Commission vide its letter No. UERC/7/CL/460/2020-21/1388 dated 10.03.2021 had given in principle approval to PTCUL for charging the said line at 33 kV voltage level temporarily till construction of 132 kV GIS S/s at Lohaghat. With regard to capitalisation of the line consequent to its charging at 33 kV i.e. at voltage lower than the intended voltage (132 kV), the Commission had held that the decision shall be taken at the time of filling of Tariff/ARR Petition. The Commission feels that the proposed 132 kV line has been charged at a lower voltage and is not been put to its intended use. The Commission in line with the decisions taken in its earlier Orders, is not inclined to approve the capitalisation of Rs. 84.93 Crore claimed against the said line. There is a huge mismatch in planning of downstream asset. The Petitioner is directed to ensure proper planning of assets which form part of a single scheme in future and take up the implementation of such assets simultaneously to avoid mismatch in CoD of such assets."

As the downstream asset is yet to be capitalised, in line with the approach adopted by the Commission in its previous Order, the Commission is not allowing capitalisation of this scheme in FY 2023-24. The Petitioner is again directed to ensure synchronized planning and implementation of interconnected assets to avoid CoD discrepancies. Further the Petitioner has proposed the capitalisation of "132/33 kV Sub-station Lohaghat (Champawat)" in fifth Control Period in Business plan. Therefore, the Petitioner should approach the Commission for capitalisation of the line and its

associated work with the capitalisation of Substation (downstream asset) once the proper utilisation of asset is ensured.

4.3.2 REC VIII Scheme

The Petitioner has claimed the capitalisation of Rs. 11.24 Crore in REC VIII Scheme for the project as shown in the Table below:

Table 4.1: Capitalisation claimed for REC VIII Scheme in FY 2023-24 (Rs. Crore)

Project	Year of first-time capitalisation	Amount
220 kV D/C line on Twin Zebra Conductor from Lakhwar to Dehradun & it's LILO at Vyasi	FY 2022-23	11.24

4.3.2.1 220 kV D/C line on Twin Zebra Conductor from Lakhwar to Dehradun & it's LILO at Vyasi

The Commission vide its Investment Approval Order dated April 28, 2015 had provided in principle approval for the project with total cost of Rs 146.52 Crore and directed the Petitioner to submit complete executed cost on the completion of the project.

The Petitioner has submitted the total cost of the Project in F 9.5 with all the supporting documents during the capitalisation of the scheme during the FY 2022-23. The Commission after the prudent check has approved the capitalisation of Rs. 132.94 Crore including IDC for the FY 2022-23 against the total cost submitted in the form 9.5.

Whereas in form 9.5 the Petitioner has submitted the future liabilities as Rs. 22.19 Crore excluding IDC from which Rs. 7.15 Crore has been allowed in the same year during the first time capitalisation of the Scheme.

In the present Petition, the Petitioner has claimed the Rs. 11.24 Crore on the account of the payments of 6th Price Variation Bill of Supply & 2nd Price Variation Bill of Erection amounting to Rs. 8,62,20,451.00, Crop compensation amounting to Rs. 57,24,817.92, Land compensation amounting to Rs. 4095812.00 and Land/Crop compensation amounting Rs. 1,57,11,262.00.

During the TVS, the Commission asked the details of the work order for this scheme. In reply, the Petitioner vide letter dated February 07, 2025, has submitted the details of the work order. It is observed that the Petitioner has asked for the PV against the LOA No. 836/CE(C&P)/PTCUL/TL-18/2014-15 dated 11.05.2015.

The additional capitalisation claimed for this scheme is within Cut-off-Date and within the limit of the liabilities submitted by the Petitioner in F-9.5 during the first time capitalisation of the scheme. Hence in accordance with Regulation 22(1) of the UERC Tariff Regulations, 2021 the Commission approves the additional Capitalisation of Rs.11.24 Crore towards the "220 kV D/C line on Twin Zebra Conductor from Lakhwar to Dehradun & it's LILO at Vyasi".

Details of the investment approval accorded by the Commission and the capitalisation claimed by the Petitioner and the capitalisation approved by the Commission for truing up purpose is as shown in the Table given below:

Table 4.2: Capitalisation approved for REC VIII Scheme in FY 2023-24 (Rs. Crore)

Project	Investment Approval	Year of first-time capitalisation	Capitalisation claimed by PTCUL in FY 2022-23	Capitalisation approved for FY 2022-23	Total capitalisation approved till FY 2022-23	Capitalisation claimed by PTCUL in FY 2023-24	Capitalisation approved for FY 2023-24	Total Capitalisation approved till FY 2023-24
220 kV D/C line on Twin Zebra Conductor from Lakhwar to Dehradun & it's LILO at Vyasi	146.52	FY 2022-23	137.42	132.94	132.94	11.24	11.24	144.18

4.3.3 REC 10949

The Petitioner has claimed the additional capitalisation of Rs. 1.62 Crore in REC 10949 Scheme for the project as shown in the Table below:

Table 4.3: Capitalisation claimed for REC 10949 Scheme in FY 2023-24 (Rs. Crore)

Project	Year of first-time capitalisation	Amount
Supply Erection & T&C of 40 MVA Transformer at 132 kV S/s Pithoragarh "against tender Specification No. PTCUL/E-Tender/C&P-II/SS-14/2017-18	FY 2021-22	1.62
Total		1.62

4.3.3.1 Supply Erection & T&C of 40 MVA Transformer at 132 kV S/s Pithoragarh "against tender Specification No. PTCUL/E-Tender/C&P-II/SS-14/2017-18

The Commission vide its investment approval dated March 01, 2017 had provided in principle approval for the project with total cost of Rs 4.27 Crore for the project "Supply Erection & T&C of 40 MVA Transformer at 132 kV S/s Pithoragarh "against tender Specification No. PTCUL/E-Tender/C&P-II/SS-14/2017-18".

In tariff Order dated March 28, 2024, while carrying out the True-up of FY 2022-23 the Commission has approved the Capitalisation of Rs. 4.17 Crore against the approved cost of Rs. 4.27 Crore. PTCUL in the present Petition has claimed the Additional Capitalisation of Rs 1.619 Crore.

The Commission vide letter no. UERC/7/747/ Petition No. 11 of 2025/1557 dated 21.02.2025 asked the Petitioner to submit the reasons for claiming the substantial amount of Rs.1.62 Crore which is not mentioned under the Liabilities/ provisions in the already submitted Form 9.5 in FY 2022-23. In reply, the Petitioner vide letter dated March 06, 2025, has submitted the detailed reasons for the price variation as mentioned below:

1. Under the sub-judice matter M/s CG Power & Industrial Solutions Limited (CGPSIL), an approved vendor of PTCUL had the Financial crisis or liabilities and the same was informed by M/s SNS Technocorp that OEM M/S CGPISL was not in good financial position to start the manufacturing of power transformer as CGPSIL has no liquidity fund and hence work was held up due to delay in start in manufacturing of 40 MVA power transformer.
2. M/S SNS Technocorp Pvt. Ltd. has informed to PTCUL that due to delay in manufacturing of 40MVA Transformer by PTCUL approved OEM M/s CGPISL due to financial issues in Company, M/s SNS had communicated with other vendors such as ABB, SIEMENS, GE ALSTOM, BHEL, but they regretted to participate due to non-availability of slots or not being in the manufacturing range.
 - a. PTCUL Approved vendor M/s ABB confirmed that they require minimum delivery time of approximate 20-24 months which was not viable.
 - b. M/s SNS Technocorp Pvt. Ltd. also proposed PGCIL approved vendors such as M/s Transformer & Rectifier (India), M/s Schneider electric infrastructure limited and M/s Bhart Bijlee through various letters but due to limitation of vendors as per terms and conditions of PTCUL the supply of 40 MVA Transformer was affected during above period.
3. Due to disruption of supply chain M/s CG Power & Industrial Solutions Limited (CGPSIL) was not able to purchase raw materials like CRGO Core and PTCUL approved Trench-make HV RIP bushings of power transformer from China due to material import banned by Government of India. Towards the same M/s SNS

Technocorp Pvt. Ltd. submitted PGCIL approved M/s Yash High Voltage make HV RIP bushing for approval after that PTCUL approved the YASH High Voltage Make RIP Bushing.

4. Spreading of Deadly Corona virus (Covid-19 Wave-2) and Lockdown / Restrictions by Government of India due to which OEM M/s CGPSIL was also not able to purchase PTCUL approve GE make Online DGA from Germany. Unavoidable situation has adversely affected the execution of awarded work approximately 465 days due to COVID-19 Pandemic in worldwide.
5. M/s SNS Technocorp Pvt. Ltd. submitted the stage Inspection call on 23.07.2021 and completed on 13.09.2021 and final inspection call of 40MVA Transformer made on 06.10.2021 and which was done on 22.11.2021 and finally PTCUL issued Dispatch instruction on dated 29.11.2021.
6. DI Issued to M/s SNS Technocorp Pvt. Ltd. but on checking the route towards 132 kV substation Pithoragarh it was found that there was no possibility for transportation of 40MVA transformer as most of the places were damaged due to heavy rain in the month of October and same was informed to PTCUL.
7. A Joint visit was carried out by PTCUL, M/s SNS Technocorp Pvt. Ltd. and OEM M/s CGPSIL transporter in line and it was concluded that there was no route available for movement of transformer to 132 kV substation Pithoragarh.
8. PTCUL informed M/s SNS Technocorp Pvt. Ltd. that CGL make 40 MVA transformer is to be diverted and utilized at 132 kV Substation Laltappar and Revised Dispatch instruction was issued by PTCUL vide and transformer reached at site on dated 10.02.2022 and successfully charged on dated 14.03.2022.
9. Material and Financial reconciliation between PTCUL and M/s SNS in all respect as per contract terms and condition was completed on 10.05.2022.

Due to above mentioned reasons, price variation of Rs. 1.62 Crore was paid by the Petitioner as the per guidelines of IEEMA. The Petitioner also submitted the revised F 9.5 along with the reasons for price variation of Rs 1.62 Crore. In this regard, the Commission is of the view that while claiming the additional capitalisation, the Petitioner itself has to submit the revised F 9.5 for

prudence check, if the claimed cost in the present Petition was not included in the initial F-9.5 during the first time capitalisation of the scheme. Hence, with regards to the revised submissions and justification w.r.t. the Price Variation (PV), the Commission approves the additional capitalisation of Rs. 1.62 Crore towards the “Supply Erection & T&C of 40 MVA Transformer at 132 kV S/s Pithoragarh ”against tender Specification No. PTCUL/E-Tender/C&P-II/SS-14/2017-18.”

The Commission directs the Petitioner that while claiming the additional capitalisation for the respective scheme, the Petitioner itself has to submit the revised F-9.5 for prudence check, if the claimed cost in the present Petition was not included in the initial F-9.5 during the first time capitalisation of the scheme.

Details of the investment approval accorded by the Commission and the capitalisation claimed & approved by the Commission for truing up purposes is shown in the Table given below:

Table 4.4: Capitalisation approved for REC 10949 Scheme in FY 2023-24 (Rs. Crore)

Project	Investment Approval	Year of first-time capitalisation	Total capitalisation approved by the Commission up to FY 2021-22	Capitalisation claimed by PTCUL in FY 2022-23	Capitalisation approved for FY 2022-23	Total Capitalisation approved till FY 2022-23	Capitalisation claimed by PTCUL in FY 2023-24	Capitalisation approved for FY 2023-24	Total Capitalisation approved till FY 2023-24
“Supply Erection & T&C of 40 MVA Transformer at 132 kV S/s Pithoragarh” against tender Specification No. PTCUL/E-Tender/C&P-II/SS-14/2017-18	4.27	FY 2021-22	4.07	0.10	0.10	4.17	1.62	1.62	5.79

4.3.4 REC 109051

The Petitioner has claimed the capitalisation of Rs. 1.30 Crore in REC 10951 Scheme for the project as shown in the Table below:

Table 4.5: Capitalisation claimed for REC 10951 Scheme in FY 2023-24 (Rs. Crore)

Project	Year of first-time capitalisation	Amount
Supply Erection and Testing & Commissioning of 132/33 kV Transformer and its associated 132 k V and 33 k V bays including extension and bisection of 33 kV main bus at 220 kV S/s Kamaluaganja Haldwani	FY 2021-22	1.30

4.3.4.1 Supply Erection and Testing & Commissioning of 132/33 kV Transformer and its associated 132 kV and 33 kV bays including extension and bisection of 33 kV main bus at 220 kV S/s Kamaluaganja Haldwani

The Commission had approved the project cost of Rs. 6.32 Crore for the project “Supply Erection and Testing & Commissioning of 132/33 kV Transformer and its associated 132 kV and 33 kV bays including extension and bisection of 33 kV main bus at 220 kV S/s Kamaluaganja Haldwani” vide its Investment Approval Order dated March 01, 2017.

In tariff Order dated March 30, 2023, while carrying out the True-up of FY 2021-22 the Commission had approved the Capitalisation of Rs. 5.46 Crore against the approved cost of Rs. 6.32 Crore. PTCUL in the present Petition has claimed the Additional Capitalisation of Rs 1.30 Crore.

During the TVS, the Commission asked the Petitioner whether the additional capitalisation is claimed within the cut-off date as it is not clear from the Petitioner submission. In reply, the Petitioner vide letter dated February 07, 2025, informed that the claimed additional capitalisation is within the cut-off date.

The Petitioner has claimed the additional capitalisation on account of Additional Capitalisation due to PV cost of transformer which was paid as per IEEMA rule as the same was not included at the time of preparation of original DPR but contract agreement contains the PV clause.

The Commission observes that in F-9.5 and F-9A of FY 2021-22 during the first time Capitalisation, under liabilities/ Provision includes the amount of Rs.1.49 Crore as PV which shall become due for payment to contractor against price variation for supply of 1 No. of 40 MVA Transformer as per the term and conditions of the contract agreement once time extension is granted to the contractor.

Due to above mentioned reasons price variation of Rs. 1.30 Crore was paid as per guidelines of IEEMA. Hence, with regards to the Price Variation (PV), the Commission approves the additional capitalisation of Rs. 1.30 Crore towards the “Supply Erection and Testing & Commissioning of 132/33 kV Transformer and its associated 132 kV and 33 kV bays including extension and bisection of 33 kV main bus at 220 kV S/s Kamaluaganja Haldwani.”

Details of the investment approval accorded by the Commission and the capitalisation claimed & approved by the Commission for truing up purposes is shown in the Table given below:

Table 4.6 Capitalisation approved for REC 10951 Scheme in FY 2023-24 (Rs. Crore)

Project	Investment Approval	Year of first-time capitalisation	Total capitalisation approved by the Commission upto FY 2020-21	Capitalisation claimed by PTCUL in FY 2021-22	Capitalisation approved for FY 2021-22	Total Capitalisation approved till FY 2021-22	Capitalisation claimed by PTCUL in FY 2023-24	Capitalisation approved for FY 2023-24	Total Capitalisation approved till FY 2023-24
Supply Erection and Testing & Commissioning of 132/33kV Transformer and its associated 132 kV and 33 kV bays including extension and bisection of 33 kV main bus at 220 kV S/s Kamaluaganja Haldwani.	6.32	FY 2021-22	0.00	5.46	5.46	5.46	1.30	1.30	6.76

4.3.5 REC 10950

The Petitioner has claimed the additional capitalisation of Rs. 0.80 Crore in REC 10950 Scheme for the project as shown in the Table below:

Table 4.7: Capitalisation claimed for REC 10950 Scheme in FY 2023-24 (Rs. Crore)

Project	Year of first-time capitalisation	Amount
Supply Erection and Testing & Commissioning of 132/33 kV Transformer and its associated 132 kV and 33 kV Bays including extension and bisection of 33 kV main bus at 132 kV S/s Jaspur	FY 2021-22	0.80

4.3.5.1 Supply Erection and Testing & Commissioning of 132/33 kV Transformer and its associated 132 kV and 33 kV Bays including extension and bisection of 33 kV main bus at 132 kV S/s Jaspur.

The Commission had approved the project cost of Rs. 9.58 Crore for the project “Supply Erection and Testing & Commissioning of 132/33 kV Transformer and its associated 132 kV and 33 kV Bays including extension and bisection of 33 kV main bus at 132 kV S/s Jaspur” and “Construction of 02 nos. 132 kV bay at 132 kV S/s Jaspur” vide its Investment Approval Order dated March 01, 2017 & Feb 07, 2017 respectively.

In tariff Order dated March 28, 2024, while carrying out the True-up of FY 2022-23 the Commission has approved the Capitalisation of Rs. 7.80 Crore against the approved cost of Rs. 9.58 Crore. PTCUL in the present Petition has claimed the Additional Capitalisation of Rs 0.80 Crore on account of Additional Capitalisation due to PV cost of transformer which was paid as per IEEMA rule.

During the TVS, the Commission asked the Petitioner whether the additional capitalisation is claimed within the cut-off date as the same is not clear from the Petitioner submission. In reply, the Petitioner vide letter dated February 07, 2025 submitted that the claimed additional capitalisation is within the cut-off date.

Due to above mentioned reasons price variation of Rs. 0.80 Crore was paid as per guidelines of IEEMA. Hence, with regards to the Price Variation (PV), the Commission approves the additional capitalisation of Rs. 0.80 Crore towards the *"Supply Erection and Testing & Commissioning of 132/33 kV Transformer and its associated 132 kV and 33 kV Bays including extension and bisection of 33 kV main bus at 132 kV S/s Jaspur"*.

The Commission directs the Petitioner that while claiming the additional capitalisation for the respective scheme, the Petitioner itself has to submit the revised F-9.5 for prudence check, if the claimed cost in the present Petition was not included in the initial F-9.5 during the first time capitalisation of the scheme.

Details of the investment approval accorded by the Commission and the capitalisation claimed & approved by the Commission for truing up purposes is shown in the Table given below:

Table 4.8: Capitalisation approved for REC 10950 Scheme in FY 2023-24 (Rs. Crore)

Project	Investment Approval	Year of first-time capitalisation	Total capitalisation approved by the Commission upto FY 2021-22	Capitalisation claimed by PTCUL in FY 2022-23	Capitalisation approved for FY 2022-23	Total Capitalisation approved till FY 2022-23	Capitalisation claimed by PTCUL in FY 2023-24	Capitalisation approved for FY 2023-24	Total Capitalisation approved till FY 2023-24
Supply Erection and Testing & Commissioning of 132/33 kV Transformer and its associated 132 kV and 33 kV Bays including extension and bisection of 33 kV main bus at 132 kV S/s Jaspur	9.58	FY 2021-22	7.35	0.45	0.45	7.80	0.80	0.80	8.60

4.3.6 RCRM 9025

The Petitioner has claimed the additional capitalisation of Rs. 0.44 Crore in RCRM 9025 Scheme for the project as shown in the Table below:

Table 4.9: Capitalisation claimed for RCRM 9025 Scheme in FY 2023-24 (Rs. Crore)

Project	Year of first-time capitalisation	Amount
Const. of 132 kV S/C Overhead Line from 220 kV S/s SIDCUL Haridwar to 132 kV S/s Jwalapur & Const. of 132 kV Bay(s) at both ends for 132 kV Overhead line from 220 kV Substation SIDCUL Haridwar to 132 kV S/s Jwalapur.	FY 2021-22	0.44

4.3.6.1 Const. of 132 kV S/C Overhead Line from 220 kV S/s SIDCUL Haridwar to 132 kV S/s Jwalapur & Const. of 132 kV Bay(s) at both ends for 132 kV Overhead line from 220 kV Substation SIDCUL Haridwar to 132 kV S/s Jwalapur.

The Commission had approved the project cost of Rs. 9.67 Crore for the project “Construction of 132 kV S/c Overhead line on Double Circuit Tower from 220 kV S/s SIDCUL Haridwar to 132 kV S/s Jwalapur, Haridwar” vide its Investment Approval Order dated March 01, 2017.

In Tariff Order dated March 28, 2024, while carrying out the True-up of FY 2022-23 the Commission had approved the additional capitalisation of Rs. 0.90 Crore against the investment approved cost of Rs. 9.67 Crore and already approved capitalisation of Rs. 8.77 Crore in FY 2021-22. PTCUL in the present Petition has claimed the Additional Capitalisation of Rs 0.44 Crore due to PV cost of supply of tower structure (Galvanised structure) and conductor was paid as per IEEMA rule which was not included at the time of preparation of original DPR but contract agreement contains the PV clause.

During the TVS, the Commission asked the Petitioner whether the additional capitalisation is claimed within the cut-off date as the same is not clear from the Petitioner submission. In reply, the Petitioner vide letter dated February 07, 2025 submitted that the claimed additional capitalisation is within the cut-off date.

Due to above mentioned reasons price variation of Rs. 0.44 Crore was paid as per guidelines of IEEMA. Hence, with regards to the Price Variation (PV), the Commission approves the additional capitalisation of Rs. 0.44 Crore towards the “Const. of 132 kV S/C Overhead Line from 220 kV S/s SIDCUL Haridwar to 132 kV S/s Jwalapur & Const. of 132 kV Bay(s) at both ends for 132 kV Overhead line from 220 kV Substation SIDCUL Haridwar to 132 kV S/s Jwalapur.”

The Commission directs the Petitioner that while claiming the additional capitalisation for the respective scheme, the Petitioner itself has to submit the revised F-9.5 for prudence check, if the claimed cost in the present Petition was not included in the initial F-9.5 during the first

time capitalisation of the scheme.

Details of the investment approval accorded by the Commission and the capitalisation claimed & approved by the Commission for truing up purposes is shown in the Table given below:

Table 4.10: Capitalisation approved for RCRM 9025 Scheme in FY 2023-24 (Rs. Crore)

Project	Investment Approval	Year of first-time capitalisation	Total capitalisation approved by the Commission upto FY 2021-22	Capitalisation claimed by PTCUL in FY 2022-23	Capitalisation approved for FY 2022-23	Total Capitalisation approved till FY 2022-23	Capitalisation claimed by PTCUL in FY 2023-24	Capitalisation approved for FY 2023-24	Total Capitalisation approved till FY 2023-24
Const. of 132 kV S/C Overhead Line from 220 kV S/s SIDCUL Haridwar to 132 kV S/s Jwalapur & Const. of 132 kV Bay(s) at both ends for 132 kV Overhead line from 220 kV Substation SIDCUL Haridwar to 132 kV S/s Jwalapur	9.67	FY 2021-22	8.77	0.95	0.90	9.67	0.44	0.44	10.11

4.3.7 REC (System Improvement)

The Petitioner has claimed the capitalisation of Rs. 13.27 Crore towards a mix of System Improvement works funded by REC in FY 2023-24 as shown in the Table below:

Table 4.11: Capitalisation claimed for REC (SI) in FY 2023-24 (Rs. Crore)

Project	Approved Cost	Year of first-time capitalisation	Amount
Augmentation of 220/33 kV S/s to 220/132 kV S/s with additional 2x100 MVA T/F at Piran Kaliyar & 132 kV LILO of Bhagwanpur-Chudiyala Line at 220/132 kV S/s Pirankaliyar in dist. Haridwar.	9.18	FY 2023-24	13.27

4.3.7.1 Augmentation of 220/33 kV S/s to 220/132 kV S/s with additional 2x100 MVA T/F at Piran Kaliyar & 132 kV LILO of Bhagwanpur-Chudiyala Line at 220/132 kV S/s Pirankaliyar in dist. Haridwar

The Commission had approved the project cost of Rs. 18.64 Crore for the project “Augmentation of 220/33 kV S/s to 220/132 kV S/s with additional 2x100 MVA T/F at Piran Kaliyar & 132KV LILO of Bhagwanpur-Chudiyala Line at 220/132 kV S/s Pirankaliyar in dist. Haridwar” vide its Investment Approval Order dated March 01, 2017.

The Commission vide letter no. UERC/7/747/ Petition No. 11 of 2025/1557 dated 21.02.2025 asked the reasons for additional capitalisation within cut-off date as scheme is already capitalised in FY 2018-19 after the prudence check of actual cost based on the submitted Form 9.5. In reply, the Petitioner vide letter dated March 06, 2025, has submitted that there were 3 works under scheme REC-9218. One work was for “Construction of 132 kV LILO of Bhagwanpur-Chudiyala Line at 220

kV S/s Pirankaliyar”, Second work was for “Augmentation of 220/33 kV S/S to 220/132 kV S/S Piran Kaliyar with additional 2*100 MVA transformer at Piran Kaliyar” & third work was for “Underground cable laying work for Construction of 132 kV LILO of Bhagwanpur-Chudiyala Line at 220 kV S/s Pirankaliyar”.

The work of “Augmentation of 220/33 kV S/S to 220/132 kV S/S Piran Kaliyar” has been completed on November 30, 2018 and the Commission capitalised Rs. 13.63 Crore in FY 2018-19 against this work. The work of “Construction of 132 kV LILO of Bhagwanpur-Chudiyala Line at 220 kV S/s Pirankaliyar” and “Underground cable work for Construction of 132 kV LILO of Bhagwanpur-Chudiyala Line at 220 kV S/s Pirankaliyar” has been completed and commissioned on 19.04.2021. The total executed cost of the said works was Rs. 27.98 Crore. In this context, the capitalisation against the work of “Augmentation of 220/33 kV S/S to 220/132 kV S/S Piran Kaliyar with additional 2*100 MVA transformer at Piran Kaliyar” was Rs. 14.71 Crores, capitalised as per Audited Accounts of FY 2018-19. Against the other two works (i.e., LILO Work and Underground cabling work) the necessary reconciliation work against Material consumption / Stores utilization, executed cost, Inter unit adjustments, etc. was done as per form 9.5 and the adjustment / rectification entries were passed during FY 23-24 in the books of accounts. This is also to inform that the depreciation against the said schemes have been taken in the books of accounts from the date of actual capitalisation / put-to-use date. Form F-9.5 of above work was submitted to the Commission vide letter No. 1605/Dir. (Projects)/PTCUL/UERC dated 15.07.2021. Form 9A of above work along with detailed reasons of Cost Overrun and Time Overrun was submitted vide letter No. 3611/Dir(Op.)/PTCUL/UERC dated 15.12.2021 for approval of True-up for FY 2020-21.

The Commission vide Tariff Order dated 31.03.2022 has considered above project to be capitalised in APR for FY 2021-22. Considering the above aspects, the Petitioner requested to allow the balance capitalisation of Rs 13.27 Core (Rs 27.98 Crore-Rs 14.71 Crore) for this scheme.

As the complete details including cost and time over run has already been submitted the Petitioner, the Commission has considered the balance capitalisation of Rs. 13.27 Crore for FY 2023-24 for the work *Augmentation of 220/33 kV S/s to 220/132 kV S/s with additional 2x100 MVA T/F at Piran Kaliyar & 132KV LILO of Bhagwanpur-Chudiyala Line at 220/132 kV S/s Pirankaliyar in dist. Haridwar.*

Table 4.12: Capitalisation approved for RCRM 9218 Scheme in FY 2023-24 (Rs. Crore)

Project	Investment Approval	Year of first-time capitalisation	Capitalisation claimed by PTCUL in FY 2023-24	Capitalisation approved for FY 2023-24	Total Capitalisation approved till FY 2023-24
Augmentation of 220/33 kV S/s to 220/132 kV S/s with additional 2x100 MVA T/F at Piran Kaliyar & 132KV LILO of Bhagwanpur-Chudiyala Line at 220/132 kV S/s Pirankaliyar in dist. Haridwar	18.64	FY 2018-19 and FY 2021-22	13.27	13.27	13.27
Total	18.64		13.27	13.27	13.27

4.3.8 PFC (System Improvement)

The Petitioner has claimed the capitalisation of Rs. 7.74 Crore towards a mix of System Improvement works funded by PFC in FY 2023-24 as shown in the Table below:

Table 4.13: Capitalisation claimed for PFC (SI) in FY 2023-24 (Rs. Crore)

Project	Investment Approval	Year of first-time capitalisation	Amount
LILO of 132 kV Chilla - Nazibabad Line at 132 kV S/S Padartha (Patanjali), Haridwar.	60.31	FY 2022-23	0.37
Construction of Well foundation at various location of 132 kV Chilla - Nazibabad Line at 132 kV S/S Padartha		FY 2022-23	0.31
Const. of 132 kV GIS S/s at Bageshwar (9303013)	70.95	FY 2019-20	3.22
Supply, Erection & Testing and commissioning of 160 MVA 220/132 kV Transformer and its associated 220 kV and 132 kV Bays at 400 kV S/s Kashipur.	18.39	FY 2022-23	2.94
Supply Erection and T&C of 01 No 40 MVA Transformer at 132 kV S/s, Kichha against Tender Specification No. PTCUL/E-Tender/C&P-II/SS-10/2017-18	4.86	FY 2021-22	0.90
Total	154.51		7.74

4.3.8.1 132 kV Chila-Nazibabad LILO Line at 132 kV Substation, Padartha (Including Construction of Well foundation at various location of LILO of 132 kV Chilla-Nazibabad line at Ganga River near village Sajanpur Pili, Haridwar)

The Commission vide its Investment Approval Order dated June 04, 2017, had approved the combined project cost of Rs. 60.31 Crore for the project “Const. of 132/33 kV S/s Padartha (Patanjali), Haridwar” along with “132 kV Chila-Nazibabad LILO Line at 132 kV Substation, Padartha (Including Construction of Well foundation at various location of LILO of 132 kV Chilla-Nazibabad line at Ganga River near village Sajanpur Pili, Haridwar)”. PTCUL has claimed the additional capitalisation of Rs. 0.37 Crore and Rs. 0.31 Crore for the works of “132kV Chila-Nazibabad LILO Line at 132 kV Substation, Padartha” and (“Construction of Well foundation at various location of LILO of 132 kV Chilla-Nazibabad line at Ganga River near village Sajanpur Pili, Haridwar”) respectively.

The Petitioner has claimed on the account of Additional Capitalisation due to 11th & Final Supply Bill amounting to Rs. 1,50,214.00, 13th & Final Erection bill amounting to Rs. 5,74,921.00, Crop compensation amounting to Rs. 25,45,860.00, Crop compensation amounting to Rs. 428569.00,

Provision against Advocate charges Rs. 15000.00, 6th & Final bill for extra item sanction vide Extra item) no-64 /SE(C&PII) PTCUL -13/2017- 18 dt-06-03-2024 Rs. 30,74,038.00.

In Tariff Order dated March 28, 2024, while carrying out the True-up of FY 2022-23 the Commission has approved the Capitalisation of Rs. 28.00 Crore and Rs. 21.69 Crore against the approved cost of Rs. 60.31 Crore.

Since, the capitalisation claimed is within the cut-off date and under the limit of liabilities as submitted in F 9.5, hence, the Commission approves the capitalisation of Rs. 0.68 Crore towards “132 kV Chila-Nazibabad LILO Line at 132 kV Substation, Padartha (Including Construction of Well foundation at various location of LILO of 132 kV Chilla-Nazibabad line at Ganga River near village Sajanpur Pili, Haridwar)”.

4.3.8.2 Construction of 132/33 kV GIS S/s at Bageshwar

The Commission had approved the project cost of Rs. 70.95 Crore for the project “Construction of 132/33 kV GIS S/s at Bageshwar” vide its Investment Approval Order dated December 26, 2014.

In tariff Order dated March 30, 2024, while carrying out the True-up of FY 2022-23 the Commission has approved the Capitalisation of Rs. 0.46 Crore against the approved cost of Rs. 70.95 Crore.

The Commission vide letter no. UERC/7/747/ Petition No. 11 of 2025/1557 dated 21.02.2025 asked the Petitioner the reason for claiming the substantial amount after the cut-off date as the whole scheme is already capitalised after the prudence check by the Commission of actual cost based on the submitted Form 9.5 in the year FY 2019-20 and all the remaining cost is already claimed by the PTCUL within cut-off date. In reply, the Petitioner vide letter dated March 06, 2025, has submitted the initial phase of the project focused on the substation construction. Under this phase, the erection & testing of all equipment of substation had been completed and substation was energized on 21.11.2019 and was put to use on 08.01.2020.

After the major activity of substation was completed, the residential colony and colony road were planned on remaining available land. These additional works were for the amount of Rs. 3.22 Crores. These works got delayed due to several reasons like lack of access road, COVID pandemic, unavailability of essential raw materials, shortage of skilled workers etc. Finally, the work of

residential colony and colony road got completed on 16.08.2023.

Details reasons for claiming Rs. 3.22 Crore as additional capitalisation beyond cut-off date due to several factors:

- **Initial Substation Construction:** The project's initial focus was on the 132 kV GIS Substation. This phase faced challenges, including land constraints, restrictions on road usage by the District Judge Office, and difficulties in disposing of excavated earth. Landslides also occurred, necessitating slope stabilization work. The substation work was completed on 31.10.2020. The LOA (Letter of Award) for the substation was issued vide LOA Nos. 1261 & 1262/CE(C&P)/SE(L&P)/UPPTCL/SS-04/2013-14 (Supply & Erection) dated 26.09.2014. M/s Kanchar Electricals Ltd. handled some of the remaining civil and electrical work. The time for the substation work was extended up to 31.10.2020.
- **Access and Geographical Issues:** Construction of the residential colony was hindered by the absence of an access road to the site, which was located on a steep slope. This made transporting raw materials difficult. The colony road work commenced in September 2018 and was completed on 20.12.2020. The LOA for the colony road construction was issued vide LOA No. 1143/SE(C&P II)/PTCUL/CIVIL-18/2017-18 dated 26.09.2018 and was awarded to M/S Parihar Construction, Bageshwar. The time for the colony road work was extended to 20.12.2020.
- **Restrictions by District Judge:** The District Judge of Bageshwar restricted the movement of heavy machinery and material trucks on the main road during office hours and at night. This complicated the delivery of materials. This restriction affected the project at various times, including a period from 11.12.2021 to 27.12.2021 (17 days).
- **Raw Material Unavailability:** Essential raw materials like sand and aggregates were limited. A ban on mineral extraction, imposed by the District Magistrate of Bageshwar in June 2019 due to the monsoon season, led to shortages. M/S Almora Magnesite Limited was unable to supply materials from 01 August 2019 to 01 August 2020.
- **COVID-19 Pandemic:** The COVID-19 pandemic and subsequent lockdowns

significantly impacted the project. The initial lockdown in India was from 22.03.2020 to 03.05.2020 (42 days). Labor shortages and fear of infection further slowed progress.

- Weather and Wildlife: Unseasonal rainfall, adverse weather, and the presence of wild animals disrupted work and caused labour migration. This affected the project during several periods: 01.10.2021 to 31.10.2021, 01.01.2022 to 28.02.2022, 01.05.2022 to 31.05.2022, 01.10.2022 to 11.10.2022, 01.03.2023 to 31.05.2023 (Total affected days: 244, Effective days: 224)
- Continued Rainfall and Bans: Heavy and unseasonal rainfall frequently halted work. Mining bans imposed by the District Magistrate during monsoon seasons further contributed to the delays: 15.06.2021 to 30.09.2021, 15.06.2022 to 30.09.2022, 15.06.2023 to 15.08.2023 (Total affected days: 169, Effective days: 161)

The residential colony work was awarded to M/S SRS Promoters, Noida, vide LOA No. 1112/SE(C&P-II)/PTCUL/CIVIL-17/2017-18 dated 12.12.2018. The contract for the residential colony was delayed and ultimately completed on 16.08.2023.

Further it is observed that the Petitioner has submitted the total cost of the Project in F 9.5 with all the supporting documents during the capitalisation of the scheme during the FY 2019-20. The Commission after the prudent check has approved the capitalisation of Rs. 64.40 Crore upto FY 2022-23 against the total cost submitted in the form 9.5.

Whereas in Form 9.5 the Petitioner has submitted the future liabilities as Rs. 10.09 Crore excluding IDC from which Rs. 5.94 Crore has been allowed in the subsequent year after the first time capitalisation of the Scheme.

In the present Petition, as mentioned above the Petitioner has claimed the Rs. 3.22 Crore on the account of Additional Capitalisation on due payment of the completion of construction of 01 No. Type IV, 02 No. Type III, 04 No. Type II residences and development work at 132 kV S/s Bageshwar on 16.8.2023 booked in books of accounts 31.8.2023 of Rs. 29931043.00 and construction of Residential colony Type-II, Type-III and Type-IV and development work at 132 kV s/s Bageshwar 9th & Final RA Civil Bill of Rs. 2274110.00.

The additional capitalisation is beyond the cut-off date and within the limit of the liabilities submitted by the Petitioner in F-9.5 during the first time capitalisation of the scheme. Hence, in

accordance with Regulation 22(2) of the UERC Tariff Regulations, 2021 the Commission approves the additional Capitalisation of Rs.3.22 Crore towards the *“Construction of 132 kV GIS s/s at Bageshwar”*.

4.3.8.3 Supply and Installation of 01 no 160 MVA T/F and its associated 220 kV HV side & 132 kV LV side bay at 400 kV S/s Kashipur

The Commission vide its Investment Approval Order dated February 07, 2017, had approved the project cost of Rs. 18.39 Crore for the project *“Supply and Installation of 01 no 160 MVA T/F and its associated 220 kV HV side & 132 kV LV side bay at 400 kV S/s Kashipur”*. PTCUL in the present Petition has claimed the Capitalisation of Rs. 2.94 Crore.

In Tariff Order dated March 28, 2024, while carrying out the True-up of FY 2022-23 the Commission has approved the Capitalisation of Rs. 17.76 Crore against the approved cost of Rs. 18.39 Crore. PTCUL in the present Petition has claimed the Additional Capitalisation of Rs 2.94 Crore on account of PV cost of transformer which was paid as per IEEMA rule.

Due to above mentioned reasons price variation of Rs. 2.94 Crore was paid as per guidelines of IEEMA. Hence, with regards to the Price Variation (PV), the Commission approves the additional capitalisation of Rs. 2.94 Crore towards the *“Supply and Installation of 01 no 160 MVA T/F and its associated 220 kV HV side & 132 kV LV side bay at 400 kV S/s Kashipur.”*

4.3.8.4 Supply, Erection, Testing & Commissioning of 01 No 40 MVA Transformer at 132 kV S/s Kichha against Tender Specification No. PTCUL/E-Tender/C&P-II/SS-10/2017-18

The Commission had approved the project cost of Rs. 4.86 Crore for the project *“Supply, Erection, Testing & Commissioning of 01 No 40 MVA Transformer at 132 kV S/s Kichha against Tender Specification No. PTCUL/E-Tender/C&P-II/SS-10/2017-18”* vide its Investment Approval Order dated February 07, 2017.

In tariff Order dated March 30, 2024, while carrying out the True-up of FY 2022-23 the Commission had approved the Capitalisation of Rs. 3.96 Crore upto FY 2022-23 against the approved cost of Rs. 4.86 Crore.

The Petitioner in the present Petition has claimed the Additional Capitalisation of Rs 0.90 Crore on Additional Capitalisation on account of Price Variation. During the TVS, the Commission asked the Petitioner whether the additional capitalisation is claimed within the cut-off date is not

clear from the Petitioner submission. In reply, the Petitioner vide letter dated February 07, 2025 submitted that the claimed additional capitalisation is within the cut-off date.

The Commission vide letter no. UERC/7/747/ Petition No. 11 of 2025/1557 dated 21.02.2025 directed the Petitioner to submit the reasons for claiming the substantial amount of Rs.0.90 Crore which is not mentioned under the Liabilities/ provisions in the already submitted Form 9.5 in FY 2021-22. In reply, the Petitioner vide letter dated March 06, 2025, has submitted that note was mentioned in Form F-9.5 regarding price variation was under process as per the terms & conditions of the said contract which was submitted by the Petitioner during true up of FY 2021-22. Hence, Rs. 0.90 Crore had been paid on dated 10.11.2023 and the same had been additionally capitalised in FY 2023-24.

Due to above mentioned reasons price variation of Rs. 0.90 Crore was paid as per guidelines of IEEMA. Hence, with regards to the submissions and justification w.r.t. the Price Variation (PV), the Commission approves the additional capitalisation of Rs. 0.90 Crore towards the *“Supply, Erection, Testing & Commissioning of 01 No 40 MVA Transformer at 132 kV S/s Kichha against Tender Specification No. PTCUL/E-Tender/C&P-II/SS-10/2017-18”*.

The Commission directs the Petitioner that while claiming the additional capitalisation for the respective scheme, the Petitioner itself has to submit the revised F-9.5 for prudence check, if the claimed cost in the present Petition was not included in the initial F-9.5 during the first time capitalisation of the scheme.

Details of the investment approval accorded by the Commission and the capitalisation claimed & approved by the Commission for truing up purposes is shown in the Table given below:

Table 4.14: Capitalisation approved for PFC (SI) for FY 2023-24 (Rs. Crore)

Project	Investment Approval	Year of first-time capitalisation	Total capitalisation approved by the Commission up to FY 2021-22	Capitalisation claimed by PTCUL in FY 2022-23	Capitalisation approved for FY 2022-23	Total capitalisation approved till FY 2022-23	Capitalisation claimed by PTCUL in FY 2023-24	Capitalisation approved for FY 2023-24	Total capitalisation approved till FY 2023-24
LILO of 132 kV Chilla - Nazibabad Line at 132 kV S/S Padartha (Patanjali), Haridwar.	60.31	FY 2022-23	0	29.76	28.00	28.00	0.37	0.37	28.37
Construction of Well foundation at various location of 132 kV Chilla - Nazibabad Line at 132 kV S/S Padartha			0	22.61	21.69	21.69	0.31	0.31	22.00
Const. of 132 kV GIS S/s at Bageshwar (9303013)	70.95	FY 2019-20	63.94	0.46	0.46	64.40	3.22	3.22	67.62
Supply, Erection & Testing and commissioning of 160 MVA 220/132 kV Transformer and its associated 220 kV and 132 kV Bays at 400 kV S/s Kashipur.	18.39	FY 2022-23	0	18.24	17.76	17.76	2.94	2.94	20.70
Supply Erection and T&C of 01 No 40 MVA Transformer at 132 kV S/s, Kichha against Tender Specification No. PTCUL/E-Tender/C&P-II/SS-10/2017-18	4.86	FY 2021-22	-	3.96	3.37	3.37	0.90	0.90	4.27
Total	221.05			75.03	71.28	135.22	7.74	7.74	142.96

4.3.9 REC (System Improvement)

The Petitioner has claimed the net capitalisation of Rs. 0.05 Crore for REC (System Improvement) Projects as shown in the Table below:

Table 4.15: Capitalisation claimed for REC (SI) in FY 2023-24 (Rs. Crore)

Project	Investment Approval	Year of first-time capitalisation	Amount
Construction of 220 kV Pirankaliyar-Puhana (PGCIL) Line	19.08	FY 2020-21	0.05

4.3.9.1 Construction of 220 kV Pirankaliyar-Puhana (PGCIL) Line

The Commission vide its Investment Approval Order dated October 09, 2015, had approved Rs. 11.18 Crore for construction of 220 kV Piran Kaliyar-Puhana (PGCIL) single circuit line on double circuit towers (Zebra Conductor). Further, the Commission vide Investment Approval Order dated December 01, 2017, had approved the revised capital cost of Rs. 19.08 Crore for stringing of double circuit line on double circuit towers along with EHV cabling work. The Petitioner has claimed the capitalisation of Rs. 0.05 Crore during FY 2023-24.

During the TVS, the Commission asked the Petitioner whether the additional capitalisation is claimed within the cut-off date is not clear from the Petitioner submission. In reply, the Petitioner vide letter dated February 07, 2025, that the claimed additional capitalisation is within the cut-off date.

The Commission observed that the PTCUL has failed to submit the appropriate justifications for increase in cost over the approved cost. In view of the absence of any suitable justification, the Commission is not inclined to approve the capitalisation claimed by the Petitioner.

The project-wise approved cost and the actual cost claimed by the Petitioner and the capitalisation approved by the Commission for REC (SI) schemes for truing up purpose is shown in the Table given below:

Table 4.16: Capitalisation approved for REC (SI) for FY 2023-24 (Rs. Crore)

Project	Investment Approval	Year of first-time capitalisation	Capitalisation claimed by PTCUL in FY 2022-23	Capitalisation approved for FY 2022-23	Total capitalisation approved till FY 2022-23	Capitalisation claimed by PTCUL in FY 2023-24	Capitalisation approved for FY 2023-24	Total Capitalisation approved till FY 2023-24
Construction of 220 kV Pirankaliyar-Puhana (PGCIL) Line	19.08	FY 2020-21	0.32	0.00	19.08	0.05	0.00	19.08

4.3.10 RCRM-5534

The Petitioner has claimed the net capitalisation of Rs. 0.14 Crore for RCRM-5534 Projects as shown in the Table below:

Table 4.17: Capitalisation claimed for REC (SI) in FY 2023-24 (Rs. Crore)

Project	Year of first-time capitalisation	Amount
Capital R&M of S/s line of O&M Division, Chamba/Srinagar, Garhwal Zone	FY 2023-24	0.14

4.3.10.1 Capital R&M of S/s line of O&M Division, Chamba/Srinagar, Garhwal Zone

The Petitioner has claimed the capitalisation of Rs. 0.14 Crore for the project “Capital R&M of S/s of O&M Division, Chamba/Srinagar, Garhwal Zone” During the TVS, the Commission directed the Petitioner to submit the complete details of the work. In reply, the Petitioner vide letter dated February 07, 2025, has only submitted the Form 9.5 and work order details of the Scheme.

Although the work was capitalised for the first time in FY 2023-24, the Petitioner has not submitted the revised and duly filed Form 9A. Consequently, the Commission has not considered

the "Capital R&M of S/s of O&M Division, Chamba/Srinagar, Garhwal Zone" during FY 2023-24.

4.3.11 Other Schemes (System Strengthening)

The Petitioner has claimed the capitalisation of Rs. 64.69 Crore for other (System Strengthening) projects which includes works carried out from Deposit Works and Internal Resources. The details are shown in the Table below:

Table 4.18: Capitalisation claimed for Other Schemes FY 2023-24 (Rs. Crore)

Project	Year of first-time capitalisation	Amount
Others including Internal Resources	FY 2023-24	26.86
Deposit works	FY 2023-24	37.83
Total		64.69

4.3.11.1 Others (system strengthening through internal resources)

The Commission has observed that the total amount of scheme funded from internal resource is of Rs. 26.86 Crore. The details of the scheme funded from internal resource is shown in below Table:

Table 4.19: Works carried out from Internal Resource submitted by the Petitioner (Rs. Crore)

Sl. No.	Particulars	Claimed by PTCUL
1.	Construction of boundary wall for 400/220/132 kV S/s Virbhadra, Rishikesh	1.24
2.	Construction of 220 kV DC line from loc. No. 27 (i.e. of 220 kV D/C LILO line from Jauljibi PGCIL to Baram)	1.03
3.	Work construction of protection wall of Tower No. 8 of 132 kV SIDCUL-Jwalapur line Ckt-II under 220 kV (O&M) Division, SIDCUL, Haridwar on emergency basis.	0.50
4.	Work of construction of protection wall for safety of single circuit Tower No. 124 of 132 kV Padartha - Kotdwar Line associated with 132 kV S/s, Kotdwar on emergency basis	0.33
5.	Supply and erection of 110 volt 500 AH battery & battery charger at 132 kV S/s Manglore	0.19
6.	Emergency work of Construction of revetment wall for D/C Tower no. 09 of 220 kV Roorkee-Puhana-Piran Kaliyar LILO Line	0.47
7.	Work of replacement of various damaged tower parts and strengthening of tower no. 149 & 150 of 400KV D/C Kashipur-Dhampur Line	0.54
8.	Supply and Laying of main auxiliary armored power cable & streetlight repairing, painting of residential colony at 400 kV S/s Kashipur.	0.06
9.	Supply and laying of 630Sqmm Lt XLPE Al. lead single core armoured cable at 400KV S/s Kashipur.	0.12
10.	Supply, Installation, Testing and Commissioning of 220V/800AH Tubular Battery Bank at 400KV S/s Kashipur	0.54
11.	Supply, Erection, and Commissioning of LT panel main air circuit breakers at 400 kV S/s Kashipur.	0.24
12.	Work of protection of tower no. 67(DA+25) of 400KV Kashipur-Moradabad and 400KV Kashipur-Nehtaur D/C Line	0.58
13.	Protection of Tower from heavy flood in Fikka river at location no. 67(DA+25) of 400KV Kashipur-Moradabad-Nehtaur D/C Line	0.19
14.	Work of supply and installation of additional 110 V battery bank and battery charger at 132 kV Sub-station Bazpur & 132 kV Sub-station Ramnagar.	0.46
15.	Work of construction of revetment/protection wall at tower no 19 of 132 kV Kashipur-Bazpur line and Tower no 84 of 132 kV Kalagarh-Ramnagar line under 132 kV O&M Division Kashipur.	0.21
16.	Work of construction of new boundary wall around sub-station campus at 132 kV Sub-station Bazpur.	0.24
17.	Work of construction of new approach road at 132 kV Sub-Station, Kashipur & 132 kV Sub-Station, Bazpur	0.57
18.	Work of protection of tower from heavy flood in Kosi river at tower location 19 of 132 kV Kashipur-Bazpur line connected to 132 kV Substation Bazpur	0.59

Table 4.19: Works carried out from Internal Resource submitted by the Petitioner (Rs. Crore)

Sl. No.	Particulars	Claimed by PTCUL
19.	Work of procurement of spare 132 kV LA & 33 kV CT /PT/ Isolators and replacement of DCDB at 132 kV Sub-station Bazpur.	0.11
20.	Work of turfing at 132 kV bays at 132 kV Sub-station Bazpur	0.56
21.	Providing fixing and installation of electrical fencing at 132 kV S/s Jaspur.	0.18
22.	Work replacement of 01 no. 220V DC, 500AH VRLA battery bank with new battery at 220 kV Mahuakheraganj	0.23
23.	Construction of storeroom at 132 kV Substation Almora under O&M Div. Almora.	0.59
24.	Supply erection of 110Volt 300Ah dry Battery Bank and Battery Charger at 132 kV Substation Almora under O&M Div. Almora.	0.12
25.	Supply and erection of 110 Volt, 300 Ah dry battery bank and battery charger at 132 kV S/s Ranikhet under O&M Division, PTCUL, Almora	0.12
26.	Turfing work in switch yard at 132 kV Substation Ranikhet under O&M Division, PTCUL, Almora O&M Division, PTCUL, Almora.	0.44
27.	Work of construction of wire mesh fencing and store shade at 132 kV Substation, Ranikhet Under O&M Division, PTCUL, Almora.	0.32
28.	Construction of CC Road for colony and Switchyard at 132 kV Substation Pithoragarh under O&M Division, PTCUL, Almora.	0.53
29.	Construction of Revetment and Retaining wall at tower Location no. 06,15,16, & 18 of 132 kV Chandak-Pithoragarh D/C Line under O&M Division, PTCUL, Almora.	0.40
30.	Construction of Revetment wall at tower location No. AP - 51, AP-134 and AP- 135 of 132 kV Ranikhet-Bageshwar S/C line on D/C tower under O&M Division, PTCUL, Almora.	0.42
31.	Construction of Revetment wall at tower location No. AP - 4 and AP- 11 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower" Udder O&M Division, PTCUL, Almora.	0.25
32.	Construction of Revetment wall at tower location No. AP - 117 and Tower Location No. AP- 32 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower" under O&M Division, PTCUL, Almora.	0.37
33.	Construction of false ceiling with gypsum plasterboard and installation of fire smoke detection system at various substation under 220 kV O&M Division Haldwani.	0.29
34.	Repair, Overhauling, remodeling and extension of fire Hydrant system at 220 kV S/s Haldwani	0.58
35.	Construction of Closed Storage shed cum store office cabin ec. Work at 220 kV S/s Haldwani	0.70
36.	Construction of one no. 33 kV Transfer Bus Coupler (TBC) bay (for switchyard related to 2x50MVA, 220/33 kV Transformers) at 220KV S/s Pantnagar under O&M Division PTCUL, Pantnagar	0.39
37.	Construction of 80x4.2 mtr. CC Road at 220 kV Switchyard in the premises of 220 kV S/s Pantnagar under O&M Division Pantnagar	0.11
38.	Shifting of Tower No. 154 of 132kV Rishikesh-Srinagar Transmission Line	0.45
39.	Supply of 145KV, 72.5KV, 36KV CT's, CVT's/PT's at 132kV Substation, Srinagar, Simli and Satpuli.	0.40
40.	Revetment work at Tower Location 187 of 132 kV Srinagar-Satpuli Transmission Line.	0.30
41.	Supply of 72.5KV, 36KV CT's, CVT's/PT's at 66kV Substation, Karanprayag, Kothiyalsain and Joshimath.	0.24
42.	Erection of 250kVA, 33/0.4kV station transformer at 132kV Substation, Simli	0.11
43.	Replacement of 110 Battery Set and Battery Charger at 132 kV substation Purkul Dehradun	0.22
44.	Supply & Erection for replacement of old 110 Volt 300 AH lead acid Battery Set and cell's of 110 Volt, 300AH VRLA battery bank at 132 kV Substation Bindal under 220 kV O&M Industrial Division Jhajhra.	0.24
45.	Work of replacement of old 132 kV Circuit Breaker (782) & old 33 kV VCB Circuit Breaker (1&4) at 132 kV Substation Bindal.	0.39
46.	Work of supply and Erection and Commissioning of 1 Nos. -33/ .415 kV substation Transformer including civil work complete accessories at 220Kv Sub station Jhajhra Dehradun	0.29
47.	Supply delivery and commissioning of Online Transformer oil Dry Out system (SS Static Model)-As per specifications sheet and type test reports at 132 kV Substation Majra Dehradun.	0.11
48.	Supply, installation, testing & commissioning of automatic fire hydrant system with pump house and water storage system at 132 kV S/s Rudrapur	0.58
49.	Work of procurement and replacement of 145 kV & 33 kV CVTs/PTs/CTs at 132 kV S/s Kashipur	0.58
50.	Turfing work of switch yard at 132 kV S/s Kichha	0.58
51.	Protecting of tower legs of various 220 kV, 132 kV & 66 kV Lines emanating from 220/132 kV S/s Roorkee	0.57
52.	Supply and Installation of Bus Bar Protection at 400 kV S/s Kashipur for newly under construction bays	0.57
53.	Construction of Road and Footpath at 220/132kv S/s Ramnagar, Roorkee	0.53
54.	Construction of Pile foundation at tower location no. 48 C of 132 kV Bazpur-Haldwani line	0.43
55.	Raising of boundary wall and providing of concertina coil fencing work on boundary wall at 132 kV Majra, Dehradun	0.31
56.	Providing and installation of Bird Flight Diverter on 400KV Roorkee-Muzzafernagar and 400KV Rishikesh-Nehtaur Transmission Line	0.28

Table 4.19: Works carried out from Internal Resource submitted by the Petitioner (Rs. Crore)

Sl. No.	Particulars	Claimed by PTCUL
57.	Providing and installation of Electric Fencing in 400 kV & 220 kV Switch yard at 400 kV S/s Rishikesh	0.27
58.	Construction of Zonal Accounts office (Garhwal Zone) at 26 Civil Line, Roorkee	0.27
59.	Replacement of old 33 kV VCB Circuit Breaker at 132 kV S/s Majra, Dehradun	0.26
60.	Supply, Erection Testing & Commissioning of 1 no. 220 Volt 400 Ah Battery Bank Set with its related works at 400 kV S/s Rishikesh	0.25
61.	work of strengthening of 220 Volt 500 AH Battery Set (VRLA) at 220 kV Substation Jhahjra Dehradun	0.24
62.	ERS work of making protection wall (civil work) at tower foundation at tower no.-05 & Tower no.-14 of 132 kV Piran Kaliyar-Bhagwanpur/Chudiya D/C Line	0.20
63.	ERS work for Procurement & Erection of 36 kV VCB outdoor type for 132 kV S/s Bhagwanpur	0.20
64.	Replacement of defective DCDB after providing of new DCDB & associated work at 220KV S/s under 220KV O&M Division Rishikesh	0.18
65.	ERS work of Providing & Fixing of Master Trip Relay and Trip Circuit Supervision Relay at 220KV Substation, Pirankaliyar (Imlikhera)	0.16
66.	Supply work against Emergency work for replacement of existing defective 48 volt battery bank and charger with new battery bank & charger at SCADA, Rishikesh	0.16
67.	Supply and erection of batteries and it's accessories	0.15
68.	Procurement, Erection, Testing & Commissioning Battery Charger for 220 Volt 400 Ah tubular Battery Bank at 400 kV S/s Rishikesh	0.15
69.	Construction of 90 mtr. X 3.75mtr CC road from substation to colony in the premises of 132 kV S/s ELDECO Sitarganj	0.14
70.	Supply and installation of MS SP fire extinguishers with unique and automatic discharge mechanism at 220 kV S/s IIP Harrawala	0.11
71.	Work of strengthening of AC LT and 132 kV Substation Majra	0.11
72.	Supply & Installation of AFFF foam based as well as water mist & CAFS type fire extinguishers at 220 kV GIS S/s IIP Harrawala	0.10
73.	Construction of Chain Link Security Fencing at Divisional Store of 220 kV O&M Division Rishikesh	0.10
74.	Work of Extension of 33 kV Jack Bus and Associated work at 33 kV Switch Yard under 220KV O&M Division Rishikesh.	0.08
75.	Work for providing, fixing and installation of Indoor and Outdoor Distribution panels and cabling work to provide 400 Amp 415 V4 pole MCCB supply in outside area near transformer for doing various works at 220 kV GIS S/s IIP Harrawala	0.08
76.	Work for making a tubewell for filling of water storage pond of mulsifire and hydrant system at 400KV S/S Rishikesh	0.07
77.	Procurement of 110V/ 30Amp. Float charger + 110 V 40 AMP, Float Cum boost charger with inbuilt DCDB at 132 kV IDPL S/s Rishikesh	0.04
78.	Control & Relay Panel	0.64
79.	Commissioning of Solar Power Plant installed at roof of Head Quarter Building, Dehradun	0.48
80.	Supply, Erection & Commissioning of 110 Volts, 500 AH lead acid Tubular LM Type Battery Set at 220 kV S/s under 220 kV O&M Division, Rishikesh	0.16
81.	Construction of store shed at 132 kV Substation, Kichha under 220 kV O&M Division, PTCUL, Pantnagar	0.14
82.	Supply and erection of 250 kV 33/0.415kV, 3 Phase transformer and associated work at 132 kV S/s Kichha	0.11
	Total	26.86

4.3.11.1.1 Construction of boundary wall for 400/220/132 kV S/s Virbhadr, Rishikesh

The Investment approval of Rs. 1.08 Crore for the project “Construction of boundary wall for Virbhadr Rishikesh 400/220/132 kV S/s” was accorded vide internal approval dated 11.11.2022. The LoA for the said work was issued on 17.06.2023. During the TVS, the Commission asked the Petitioner to clarify the difference in amount submitted in F-9A that is Rs. 1.24 Crore and F-9.5 that is Rs. 1.07 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the difference in amount submitted in Form F-9A and F-9.5 is of GST. The executed value of project is Rs. 1.05 Crore. and with GST this amount becomes Rs. 1.24 Crore.

Keeping in view the fact that awarded amount was exclusive of GST, the Commission after considering GST over the investment approval has considered the Rs. 1.24 Crore. Accordingly, the Commission has approved the capitalisation of Rs. 1.24 Crore towards “Construction of Boundary Wall for 400/220/132 kV S/s Virbhadra, Rishikesh” during FY 2023-24.

4.3.11.1.2 Construction of 220 kV DC line from loc. No. 27 (i.e. of 220 kV D/C LILO line from Jauljibi PGCIL to Baram)

The Petitioner has claimed the additional capitalisation of Rs. 1.03 Crore for the work “Construction of 220 kV DC line from loc. No. 27 (i.e. of 220 kV D/C LILO line from Jauljibi PGCIL to Baram)” in FY 2023-24.

The Petitioner vide letter dated March 28, 2025, has submitted to the Commission informing that “the Construction of 220/33 kV GIS Substation at Baram (Jauljivi), Pithoragarh” is expected to be commissioned in FY 2024-25. The Commission has observed that as the associated substation is being capitalised in FY 2024-25, the capitalisation of this line cannot be allowed in FY 2023-24. Hence the Petitioner is directed to claim the associated line along with its substation as single scheme so the proper planning and utilization of asset is done. Hence the Commission has not considered the capitalisation of “Construction of 220 kV DC line from loc. No. 27 (i.e. of 220 kV D/C LILO line from Jauljibi PGCIL to Baram)” in FY 2023-24.

4.3.11.1.3 Work construction of protection wall of Tower No. 8 of 132 kV SIDCUL-Jwalapur line Ckt-II under 220 kV (O&M) Division, SIDCUL, Haridwar on an emergency basis

The Investment approval of Rs. 0.50 Crore for the project “Construction of protection wall of Tower No. 8 of 132 kV SIDCUL-Jwalapur line Ckt-II under 220 kV (O&M) Division, SIDCUL, Haridwar on an emergency basis.” was accorded vide internal approval dated 05.08.2023. The LoA for the said work was issued on 10.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.50 Crore- while the LOA amount was Rs. 0.42 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of

material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.50 Crore for the project *"Work construction of protection wall of Tower No. 8 of 132 kV SIDCUL-Jwalapur line Ckt-II under 220 kV (O&M) Division, SIDCUL, Haridwar on emergency basis."* during FY 2023-24.

4.3.11.1.4 *Work of construction of protection wall for safety of single circuit Tower No. 124 of 132 kV Padartha-Kotdwar Line associated with 132 kV S/s, Kotdwar on emergency basis*

The Investment approval of Rs. 0.33 Crore for the project *" Work of construction of protection wall for safety of single circuit Tower No. 124 of 132 kV Padartha-Kotdwar Line associated with 132 kV S/s, Kotdwar on emergency basis"* was accorded vide internal approval dated 06.08.2023. The LoA for the said work was issued on 10.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.33 Crore-while the LOA amount was Rs. 0.25 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST the Commission has accepted and approved the capitalisation of Rs. 0.33 Crore for the project *"Work of construction of protection wall for safety of single circuit Tower No. 124 of 132 kV Padartha - Kotdwar Line associated with 132 kV S/s, Kotdwar on emergency basis"* during FY 2023-24.

4.3.11.1.5 *Supply and erection of 110 volt 500 AH battery& battery charger at 132 kV S/s Manglore*

The Investment approval of Rs. 0.19 Crore for the project *"Supply and erection of 110 volt 500 AH battery& battery charger at 132 kV S/s Manglore"* was accorded vide internal approval dated

21.12.2023. The LoA for the said work was issued on 22.12.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.19 Crore-while the LOA amount was Rs. 0.15 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST the Commission has accepted and approved the capitalisation of Rs. 0.19 Crore for the project “Supply and erection of 110 volt 500 AH battery & battery charger at 132 kV S/s Manglore” during FY 2023-24.

4.3.11.1.6 *Emergency work of Construction of revetment wall for D/C Tower no. 09 of 220 kV Roorkee-Puhana-Piran Kaliyar LILO Line*

The Investment approval of Rs. 0.42 Crore for the project “Emergency work of Construction of revetment wall for D/C Tower no. 09 of 220 kV Roorkee-Puhana-Piran Kaliyar LILO Line” was accorded vide internal approval dated 05.08.2023. The LoA for the said work was issued on 07.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.47 Crore-while the LOA amount was Rs. 0.35 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.47 Crore for the project “Emergency work of Construction of revetment wall for D/C Tower no. 09 of 220 kV Roorkee-Puhana-Piran Kaliyar LILO Line” during FY 2023-24.

4.3.11.1.7 Work of replacement of various damaged tower parts and strengthening of tower no. 149 & 150 of 400KV D/C Kashipur-Dhampur Line

The Investment approval of Rs. 0.50 Crore for the project “Work of replacement of various damaged tower parts and strengthening of tower no. 149 & 150 of 400KV D/C Kashipur-Dhampur Line” was accorded vide internal approval dated 25.04.2023. The LoA for the said work was issued on 08.09.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in amount submitted in F-9A and F-9.5 that is Rs. 0.54 Crore, while the LoA is amount of Rs. 0.46 Crore and also asked the Petitioner to submit the reason for the capitalisation of asset as the internal approval letter submitted by the Petitioner substantiate that the aforesaid 400 kV line is used to evacuate the power to Moradabad and Nehtaur region for the consumer to UP state.

In response giving the clarification on difference in amount, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST and amount mentioned in Form 9.5 is including GST hence there is difference in amount between Form 9.5 and Work Order. Further, it is submitted that the GST on supply of different material is different. Therefore, the order was placed by applying GST as applicable.

The total cost of internal approval was Rs. 0.50 Crore while value of Agreement including GST is 0.54 Crore. The difference in cost is due to difference in rates received through open tender invited by PTCUL. As per PTCUL C&P manual 10% cost variation than the approved cost estimation in either side, is allowed.

The Petitioner further submitted that 400 kV Sub-Station Kashipur is connected to 04 nos. PGCIL Bays, 01 No Moradabad Bay and 01 No. Nehtaur Bay. 400KV Kashipur-Nehtaur line and 400KV Kashipur-Moradabad Line are the capital asset of PTCUL and PTCUL maintain these lines generally. 400KV S/s Kashipur exports power to above mentioned line and in case of outage of PGCIL bay, power is imported to 400KV S/s Kashipur from above mentioned line. Hence it is benefiting both bays as it is a Grid Line.

Further, the Petitioner clarified that the Petition was filled to CERC by the PTCUL in FY 2020-21, for inclusion of the said asset in PoC charges as per the as per the Relevant CERC Regulation but the CERC has not approved the tariff of the said asset.

The Commission observed that the aforesaid line is the Inter State Transmission Line (ISTS)

line) and the tariff of ISTS lines is to be determined by the Central Electricity Regulatory Commission. Hence the Commission has not considered the capitalisation cost for work “*Work of replacement of various damaged tower parts and strengthening of tower no. 149 & 150 of 400KV D/C Kashipur-Dhampur Line*” during the True-up of FY 2023-24.

4.3.11.1.8 *Supply and Laying of main auxiliary armoured power cable & street light repairing, painting of residential colony at 400 kV S/s Kashipur.*

The Investment approval of Rs. 0.06 Crore for the project “*Supply and Laying of main auxiliary armoured power cable & streetlight repairing, painting of residential colony at 400 kV S/s Kashipur.*” was accorded vide internal approval dated 18.07.2023. The LoA for the said work was issued on 21.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.06 Crore-while the LOA amount was Rs. 0.05 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.06 Crore for the project “*Supply and Laying of main auxiliary armoured power cable & street light repairing, painting of residential colony at 400 kV S/s Kashipur*” during FY 2023-24.

4.3.11.1.9 *Supply and laying of 630 Sqmm. Lt XLPE Al. lead single core armoured cable at 400KV S/s Kashipur.*

The Investment approval of Rs. 0.12 Crore for the project “*Supply and laying of 630Sqmm Lt XLPE Al. lead single core armoured cable at 400KV S/s Kashipur.*” was accorded vide internal approval dated 02.05.2023. The LoA for the said work was issued on 26.05.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A Rs. 0.12 Crore-while the LoA amount was Rs. 0.10 Crore. In reply, the

Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.12 Crore for the project *"Supply and laying of 630Sqmm Lt XLPE Al. lead single core armoured cable at 400KV S/s Kashipur."* during FY 2023-24.

4.3.11.1.10 *Supply, Installation, Testing and Commissioning of 220 V/800 AH Tubular Battery Bank at 400 kVS/s Kashipur*

The Investment approval of Rs. 0.47 Crore for the project *"Supply, Installation, Testing and Commissioning of 220V/800AH Tubular Battery Bank at 400KV S/s Kashipur"* was accorded vide internal approval dated 19.12.2022. The LoA amounting to Rs. 0.43 Crore for the said work was issued on 02.05.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.54 Crore-while the LOA amount was Rs. 0.43 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.54 Crore for the project *"Supply, Installation, Testing and Commissioning of 220V/800AH Tubular Battery Bank at 400KV S/s Kashipur"* during FY 2023-24.

4.3.11.1.11 *Supply, Erection, and Commissioning of LT panel main air circuit breakers at 400KV S/s Kashipur.*

The Investment approval of Rs. 0.26 Crore for the project “ Supply, Erection, and Commissioning of LT panel main air circuit breakers at 400KV S/s Kashipur.” was accorded vide internal approval dated 20.12.2022. The LoA for the said work was issued on 26.05.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs. 0.24 Crore and Form 9.5-Rs. 0.27, while the LOA amount was Rs. 0.23 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.24 Crore for the project “Supply, Erection, and Commissioning of LT panel main air circuit breakers at 400KV S/s Kashipur.” during FY 2023-24.

4.3.11.1.12 Work of protection of tower no. 67(DA+25) of 400 kV Kashipur-Moradabad and 400 kV Kashipur-Nehtaur D/C Line

The Investment approval of Rs. 0.58 Crore for the project “Work of protection of tower no. 67(DA+25) of 400KV Kashipur-Moradabad and 400KV Kashipur-Nehtaur D/C Line” was accorded through internal approval. The LoA for the said work was issued on 20.01.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in amount submitted in F-9A and F-9.5 that is Rs. 0.58 Crore while the LOA is amount of Rs.0.49 Crore and also to provide the reason for the capitalisation as in the internal approval it is mentioned that the 400 kV line is used to evacuate the power to Moradabad and Nehtaur region for the consumer to UP state. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST and amount mentioned in Form 9.5 is including GST hence there is difference in amount between Form 9.5 and Work Order. Further, it is submitted that the GST on supply of different material is different. Therefore, the order was placed by applying GST as applicable.

It is submitted that 400 kV Sub-Station Kashipur is connected to 04 nos. PGCIL Bays, 01 No Moradabad Bay and 01 No. Nehtaur Bay. 400 kV Kashipur-Nehtaur line and 400 kV Kashipur-

Moradabad Line are the capital asset of PTCUL and PTCUL maintain these lines generally. 400KV S/s Kashipur exports power to above mentioned line and in case of outage of PGCIL bay, power is imported to 400 kV S/s Kashipur from above mentioned line. Hence it is benefiting both bays as it is a Grid Line.

Further, the Petitioner also submitted that, Petition was filled to CERC by the PTCUL in FY 2020-21, for inclusion of the said asset in PoC charges as per the as per the Relevant CERC Regulation but the CERC has not approved the tariff of the said asset.

It is observed that the as this is the Inter State Transmission Line (ISTS line) and the tariff of ISTS lines is to be determined by the Central Electricity Regulatory Commission. Hence the Commission has not considered the capitalisation cost for work "*Work of protection of tower no. 67(DA+25) of 400KV Kashipur-Moradabad and 400KV Kashipur-Nehtaur D/C Line*" during the True-up of FY 2023-24.

4.3.11.1.13 *Protection of Tower from heavy flood in Fikka river at location no. 67(DA+25) of 400KV Kashipur-Moradabad-Nehtaur D/C Line*

The Investment approval of Rs. 0.17 Crore for the project "*Protection of Tower from heavy flood in Fikka river at location no. 67(DA+25) of 400KV Kashipur-Moradabad-Nehtaur D/C Line*" was accorded vide internal approval dated 10.07.2023. LoA for the said work was issued on 14.07.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in amount submitted in F-9A and F-9.5 that is Rs. 0.19 Crore while the LOA is amount of Rs. 0.16 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST and amount mentioned in Form 9.5 is including GST hence there is difference in amount between Form 9.5 and Work Order. Further, it is submitted that the GST on supply of different material is different. Therefore, the order was placed by applying GST as applicable.

It is submitted that 400 kV Sub-Station Kashipur is connected to 04 nos. PGCIL Bays, 01 No Moradabad Bay and 01 No. Nehtaur Bay. 400KV Kashipur-Nehtaur line and 400KV Kashipur-Moradabad Line are the capital asset of PTCUL and PTCUL maintain these lines generally. 400KV S/s Kashipur exports power to above mentioned line and in case of outage of PGCIL bay, power is imported to 400KV S/s Kashipur from above mentioned line. Hence it is benefiting both bays as it is a Grid Line.

Further, the Petitioner also submitted that, Petition was filled to CERC by the PTCUL in FY 2020-21, for inclusion of the said asset in PoC charges as per the as per the Relevant CERC Regulation but the CERC has not approved the tariff of the said asset.

It is observed that the as this is the Inter State Transmission Line (ISTS line) and the tariff of ISTS lines is to be determined by the Central Electricity Regulatory Commission. Hence the Commission has not considered the capitalisation cost for work “Protection of Tower from heavy flood in Fikka river at location no. 67(DA+25) of 400KV Kashipur-Moradabad-Nehtaur D/C Line” during the True-up of FY 2023-24.

4.3.11.1.14 Work of supply and installation of additional 110 V battery bank and battery charger at 132 kV Sub-station Bazpur& 132 kV Sub-station Ramnagar.

The Investment approval of Rs. 0.44 Crore for the project “Work of supply and installation of additional 110 V battery bank and battery charger at 132 kV Sub-station Bazpur& 132 kV Sub-station Ramnagar.” was accorded vide internal approval dated 02.08.2023. The LoA for the said work was issued on 11.12.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in amount submitted in F-9A is Rs. 0.46 Crore while the LOA is of amount Rs. 0.37 Crore and also asked to submit the F-9.5. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the agreement value is Rs. 0.38 Crore excluding GST and the GST value is Rs. 0.086 Crore. It is submitted that due to difference in rates received through open tender invited by PTCUL, and as per PTCUL C&P manual vide clause no 14.8(1), 10% cost variation than the approved cost estimation in either side, is allowed. Further, it is submitted that the GST on supply of different material is different. Therefore, the order was placed by applying GST as applicable. The Petitioner also submitted the F-9.5 of amount Rs. 0.46 Crore.

Further, the Commission clarify the need of the additional battery bank, as there is one battery bank is already in place and in working condition in the aforesaid S/s. In response, the Petitioner during the meeting with the Commission has submitted that they have procured the additional battery bank to mitigate any emergency situation, in case, of failure of the existing battery bank.

In this regard, the Commission opines that as there is one battery bank is already in place and in working condition and the Petitioner has procured the additional battery bank as a spare

item, hence, the Commission is not inclined to consider the “*Work of supply and installation of additional 110 V battery bank and battery charger at 132 kV Sub-station Bazpur & 132 kV Sub-station Ramnagar*” during FY 2023-24.

4.3.11.1.15 *Work of construction of revetment/protection wall at tower no 19 of 132 kV Kashipur-Bazpur line and Tower no 84 of 132 kV Kalagarh-Ramnagar line under 132 kV O&M Division Kashipur.*

The Investment approval of Rs. 0.21 Crore for the project “*Work of construction of revetment/protection wall at tower no 19 of 132 kV Kashipur-Bazpur line and Tower no 84 of 132 kV Kalagarh-Ramnagar line under 132 kV O&M Division Kashipur.*” was accorded vide internal approval dated 19.12.2022. The LoA for the said work was issued on 18.04.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.21 Crore-while the LOA amount was Rs. 0.18 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.21 Crore for the project “*Work of construction of revetment/protection wall at tower no 19 of 132 kV Kashipur-Bazpur line and Tower no 84 of 132 kV Kalagarh-Ramnagar line under 132 kV O&M Division Kashipur.*” during FY 2023-24.

4.3.11.1.16 *Work of construction of new boundary wall around sub-station campus at 132 kV Sub-station Bazpur.*

The Investment approval of Rs. 0.24 Crore for the project “*Work of construction of new boundary wall around sub-station campus at 132 kV Sub-station Bazpur.*” was accorded vide internal approval dated 25.09.2023. The LoA for the said work was issued on 24.01.2024.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.24 Crore-while the LOA amount was Rs. 0.20 Crore. In reply,

the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.24 Crore for the project “*Work of construction of new boundary wall around sub-station campus at 132 kV Sub-station Bazpur.*” during FY 2023-24.

4.3.11.1.17 *Work of construction of new approach road at 132 kV Sub-Station, Kashipur & 132 kV Sub-Station, Bazpur*

The Investment approval of Rs. 0.57 Crore for the project “*Work of construction of new approach road at 132 kV Sub-Station, Kashipur & 132 kV Sub-Station, Bazpur*” was accorded vide internal approval dated 23.09.2023. The LoA for the said work was issued on 25.01.2024.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.57 Crore-while the LOA amount was Rs. 0.48 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs.0.57 Crore for the project “*Work of construction of new approach road at 132 kV Sub-Station, Kashipur & 132 kV Sub-Station, Bazpur*” during FY 2023-24.

4.3.11.1.18 *Work of protection of tower from heavy flood in Kosi river at tower location 19 of 132 kV Kashipur-Bazpur line connected to 132 kV Substation Bazpur*

The Investment approval of Rs. 0.59 Crore for the project “*Work of protection of tower from*

heavy flood in Kosi river at tower location 19 of 132 kV Kashipur-Bazpur line connected to 132 kV Substation Bazpur" was accorded vide internal approval dated 07.07.2023. The LoA for the said work was issued on 12.07.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.59 Crore-while the LOA amount was Rs. 0.50 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.59 Crore for the project "*Work of protection of tower from heavy flood in Kosi river at tower location 19 of 132 kV Kashipur-Bazpur line connected to 132 kV Substation Bazpur*" during FY 2023-24.

4.3.11.1.19 *Work of procurement of spare 132 kV LA & 33 kV CT/PT/Isolators and replacement of DCDB at 132 kV Sub-station Bazpur.*

The Investment approval of Rs. 0.11 Crore for the project "*Work of procurement of spare 132 kV LA & 33 kV CT/PT/Isolators and replacement of DCDB at 132 kV Sub-station Bazpur.*" was accorded vide internal approval dated 05.06.2023. The LoA for the said work was issued on 18.09.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.11 Crore-while the LOA amount was Rs. 0.10 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted

and approved the capitalisation of Rs. 0.11 Crore for the project “*Work of procurement of spare 132 kV LA & 33 kV CT /PT/Isolators and replacement of DCDB at 132 kV Sub-station Bazpur.*” during FY 2023-24.

4.3.11.1.20 *Work of turfing at 132 kV bays at 132 kV Sub-station Bazpur*

The Investment approval of Rs. 0.48 Crore for the project “*Work of turfing at 132 kV bays at 132 kV Sub-station Bazpur*” was accorded vide internal approval dated 27.02.2023. The LoA for the said work was issued on 23.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.56 Crore-while the LOA amount was Rs. 0.44 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.56 Crore for the project “*Work of turfing at 132 kV bays at 132 kV Sub-station Bazpur*” during FY 2023-24.

4.3.11.1.21 *Providing fixing and installation of electrical fencing at 132 kV S/s Jaspur*

The Investment approval of Rs. 0.18 Crore for the project “*Providing fixing and installation of electrical fencing at 132 kV S/s Jaspur*” was accorded vide internal approval dated 19.04.2023. The LoA for the said work was issued on 01.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.18 Crore-while the LOA amount was Rs. 0.15 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of

material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.18 Crore for the project "*Providing fixing and installation of electrical fencing at 132 kV S/s Jaspur*" during FY 2023-24.

4.3.11.1.22 *Work replacement of 01 no. 220V DC, 500AH VRLA battery bank with new battery at 220KV Mahuakheraganj.*

The Investment approval of Rs. 0.18 Crore for the project "*Work replacement of 01 no. 220V DC, 500AH VRLA battery bank with new battery at 220KV Mahuakheraganj.*" was accorded vide internal approval dated 14.09.2023. The LoA for the said work was issued on 31.10.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.23 Crore-while the LOA amount was Rs. 0.18 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.23 Crore for the project "*Work replacement of 01 no. 220V DC, 500AH VRLA battery bank with new battery at 220KV Mahuakheraganj.*" during FY 2023-24.

4.3.11.1.23 *Construction of storeroom at 132 kV Substation Almora under O&M Div. Almora.*

The Investment approval of Rs. 0.58 Crore for the project "*Construction of storeroom at 132 kV Substation Almora under O&M Div. Almora.*" was accorded vide internal approval dated 06.03.2023. The LoA for the said work was issued on 15.05.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.59 Crore-while the LOA amount was Rs. 0.50 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive

of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.59 Crore for the project “Construction of storeroom at 132 kV Substation Almora under O&M Div. Almora.” during FY 2023-24.

4.3.11.1.24 *Supply erection of 110 Volt 300 Ah dry Battery Bank and Battery Charger at 132 kV Substation Almora under O&M Div. Almora.*

The Investment approval of Rs. 0.10 Crore for the project “Supply erection of 110Volt 300Ah dry Battery Bank and Battery Charger at 132 kV Substation Almora under O&M Div. Almora.” was accorded vide internal approval dated 16.02.2023. The LoA for the said work was issued on 10.04.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.12 Crore-while the LOA amount was Rs. 0.10 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.12 Crore for the project “Supply erection of 110Volt 300 Ah dry Battery Bank and Battery Charger at 132 kV Substation Almora under O&M Div. Almora.” during FY 2023-24.

4.3.11.1.25 *Supply and erection of 110 Volt, 300 Ah dry battery bank and battery charger at 132 kV S/s Ranikhet under O&M Division, PTCUL, Almora*

The Investment approval of Rs. 0.10 Crore for the project *"Supply and erection of 110 Volt, 300 Ah dry battery bank and battery charger at 132 kV S/s Ranikhet under O&M Division, PTCUL, Almora."* was accorded vide internal approval dated 27.04.2023. The LoA for the said work was issued on 17.06.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.12 Crore-while the LOA amount was Rs. 0.10 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.12 Crore for the project *"Supply and erection of 110 Volt, 300 Ah dry battery bank and battery charger at 132 kV S/s Ranikhet under O&M Division, PTCUL, Almora."* during FY 2023-24.

4.3.11.1.26 *Turfing work in switch yard at 132 kV Substation Ranikhet under O&M Division, PTCUL, Almora O&M Division, PTCUL, Almora.*

The Investment approval of Rs. 0.37 Crore for the project *"Turfing work in switch yard at 132 kV Substation Ranikhet under O&M Division, PTCUL, Almora O&M Division, PTCUL, Almora."* was accorded vide internal approval dated 24.07.2023. The LoA for the said work was issued on 10.10.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.44 Crore-while the LOA amount was Rs. 0.37 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned

rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.44 Crore for the project “*Turfing work in switch yard at 132 kV Substation Ranikhet under O&M Division, PTCUL, Almora O&M Division, PTCUL, Almora.*” during FY 2023-24.

4.3.11.1.27 *Work of construction of wire mesh fencing and store shade at 132 kV Substation, Ranikhet Under O&M Division, PTCUL, Almora.*

The Investment approval of Rs. 0.27 Crore for the project “*Work of construction of wire mesh fencing and store shade at 132 kV Substation, Ranikhet Under O&M Division, PTCUL, Almora.*” was accorded vide internal approval dated 24.07.2023. The LoA for the said work was issued on 18.10.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.32 Crore-while the LOA amount was Rs. 0.27 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.32 Crore for the project “*Work of construction of wire mesh fencing and store shade at 132 kV Substation, Ranikhet Under O&M Division, PTCUL, Almora.*” during FY 2023-24.

4.3.11.1.28 *Construction of CC Road for colony and Switchyard at 132 kV Substation Pithoragarh under O&M Division, PTCUL, Almora*

The Investment approval of Rs. 0.45 Crore for the project “*Construction of CC Road for colony and Switchyard at 132 kV Substation Pithoragarh under O&M Division, PTCUL, Almora.*” was accorded vide internal approval dated 13.06.2023. The LoA for the said work was issued on 05.09.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.53 Crore-while the LOA amount was Rs. 0.45 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.53 Crore for the project "*Construction of CC Road for colony and Switchyard at 132 kV Substation Pithoragarh under O&M Division, PTCUL, Almora.*" during FY 2023-24.

4.3.11.1.29 *Construction of Retetment and Retaining wall at tower Location no. 06,15,16,& 18 of 132 kV Chandak-Pithoragarh D/C Line under O&M Division, PTCUL, Almora*

The Investment approval of Rs. 0.40 Crore for the project "*Construction of Retetment and Retaining wall at tower Location no. 06,15,16, & 18 of 132 kV Chandak -Pithoragarh D/C Line under O&M Division, PTCUL, Almora*" was accorded vide internal approval dated 29.11.2022. The LoA for the said work was issued on 01.03.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs.0.40 and 9.5- Rs. 0.59 Crore-while the LOA amount was Rs. 0.34 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.40 Crore for the project "*Construction of Retetment and Retaining wall at tower Location no. 06,15,16, & 18 of 132 kV Chandak-Pithoragarh D/C Line under O&M*

Division, PTCUL, Almora." during FY 2023-24.

4.3.11.1.30 Construction of Revetment wall at tower location No. AP - 51, AP-134 and AP- 135 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower under O&M Division, PTCUL, Almora

The Investment approval of Rs. 0.40 Crore for the project "Construction of Revetment wall at tower location No. AP - 51, AP-134 and AP- 135 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower under O&M Division, PTCUL, Almora." was accorded vide internal approval dated 29.11.2022. The LoA amounting to Rs. 0.34 Crore for the said work was issued on 01.03.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs. 0.42 Crore, while the LOA amount was Rs. 0.34 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.42 Crore for the project "Construction of Revetment wall at tower location No. AP - 51, AP-134 and AP- 135 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower under O&M Division, PTCUL, Almora." during FY 2023-24.

4.3.11.1.31 Construction of Revetment wall at tower location No. AP - 4 and AP- 11 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower" Under O&M Division, PTCUL, Almora

The Investment approval of Rs. 0.21 Crore for the project "Construction of Revetment wall at tower location No. AP - 4 and AP- 11 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower" Under O&M Division, PTCUL, Almora." was accorded vide internal approval dated 06.03.2023. The LoA for the said work was issued on 15.05.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.25 Crore-while the LOA amount was Rs. 0.21 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive

of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.25 Crore for the project "*Construction of Revetment wall at tower location No. AP - 4 and AP- 11 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower" Udder O&M Division, PICUL, Almora.*" during FY 2023-24.

4.3.11.1.32 *Construction of Revetment wall at tower location No. AP - 117 and Tower Location No. AP- 32 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower" under O&M Division, PTCUL, Almora*

The Investment approval of Rs. 0.31 Crore for the project "*Construction of Revetment wall at tower location No. AP - 117 and Tower Location No. AP- 32 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower" under O&M Division, PTCUL, Almora.*" was accorded vide internal approval dated 24.07.2023. The LoA for the said work was issued on 18.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.37 Crore-while the LOA amount was Rs. 0.31 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.37 Crore for the project "*Construction of Revetment wall at tower location No. AP - 117 and Tower Location No. AP- 32 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower" under O&M Division, PTCUL, Almora.*" during FY 2023-24.

4.3.11.1.33 Construction of false ceiling with gypsum plasterboard and installation of fire smoke detection system at various substation under 220 kV O&M Division Haldwani

The Investment approval of Rs. 0.22 Crore for the project “Construction of false ceiling with gypsum plasterboard and installation of fire smoke detection system at various substation under 220 kV O&M Division Haldwani.” was accorded vide internal approval dated 27.09.2023. The LoA for the said work was issued on 30.12.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.29 Crore-while the LOA amount was Rs. 0.25 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.29 Crore for the project “Construction of false ceiling with gypsum plasterboard and installation of fire smoke detection system at various substation under 220 kV O&M Division Haldwani.” during FY 2023-24.

4.3.11.1.34 Repairing, Overhauling, remodeling and extension of fire Hydrant system at 220 kV S/s Haldwani

The Investment approval of Rs. 0.40 Crore for the project “Repair, Overhauling, remodeling and extension of fire Hydrant system at 220 kV S/s Haldwani” was accorded vide internal approval dated 28.12.2022. The LoA for the said work was issued on 06.04.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.58 Crore-while the LOA amount was Rs. 0.43 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.58 Crore for the project "*Construction of false ceiling with gypsum plasterboard and installation of fire smoke detection system at various substation under 220 kV O&M Division Haldwani.*" during FY 2023-24.

4.3.11.1.35 *Construction of Closed Storage shed cum store office cabin ec. Work at 220 kV S/s Haldwani*

The Investment approval of Rs. 0.49 Crore for the project "*Construction of Closed Storage shed cum store office cabin ec. Work at 220 kV S/s Haldwani*" was accorded vide internal approval dated 07.08.2023. The LoA for the said work was issued on 18.10.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.70 Crore-while the LOA amount was Rs. 0.50 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.70 Crore for the project "*Construction of Closed Storage shed cum store office cabin ec. Work at 220 kV S/s Haldwani*" during FY 2023-24.

4.3.11.1.36 *Construction of one no. 33 kV Transfer Bus Coupler (TBC) bay (for switchyard related to 2x50MVA, 220/33 kV Transformers) at 220KV S/s Pantnagar under O&M Division PTCUL, Pantnagar*

The Investment approval of Rs. 0.33 Crore for the project "*Construction of one no. 33 kV Transfer Bus Coupler (TBC) bay (for switchyard related to 2x50MVA, 220/33 kV Transformers) at 220KV S/s Pantnagar under O&M Division PTCUL, Pantnagar*" was accorded vide internal approval dated

13.06.2022. The LoA for the said work was issued on 02.01.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.39 Crore-while the LOA amount was Rs. 0.33 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.39 Crore for the project “Construction of one no. 33 kV Transfer Bus Coupler (TBC) bay (for switchyard related to 2x50MVA, 220/33 kV Transformers) at 220KV S/s Pantnagar under O&M Division PTCUL, Pantnagar” during FY 2023-24.

4.3.11.1.37 Construction of 80x4.2 mtr. CC Road at 220 kV Switchyard in the premises of 220 kV S/s Pantnagar under O&M Division Pantnagar

The Investment approval of Rs. 0.10 Crore for the project “Construction of 80x4.2 mtr. CC Road at 220 kV Switchyard in the premises of 220 kV S/s Pantnagar under O&M Division Pantnagar” was accorded vide internal approval dated 27.09.2023. The LoA for the said work was issued on 11.12.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.11 Crore-while the LOA amount was Rs. 0.10 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.11 Crore for the project “Construction of 80x4.2 mtr. CC Road

at 220 kV Switchyard in the premises of 220 kV S/s Pantnagar under O&M Division Pantnagar" during FY 2023-24.

4.3.11.1.38 *Shifting of Tower No. 154 of 132kV Rishikesh-Srinagar Transmission Line*

The Investment approval of Rs. 0.70 Crore for the project "*Shifting of Tower No. 154 of 132kV Rishikesh-Srinagar Transmission Line*" was accorded vide internal approval dated 30.07.2020. The LoA for the said work was issued on 23.12.2020.

During the TVS, the Commission asked the Petitioner to clarify the difference in amount submitted in Form-9A- Rs. 0.45 Crore, while the LOA is amount of Rs. 0.65 Crore. In reply, the Petitioner vide its letter dated February 07, 2025, submitted that the work order value was Rs. 0.77 Crore with GST, whereas the actual executed cost for the work is Rs. 0.45 Crore with GST as submitted in Form 9A.

Considering the actual executed cost of work, the Commission has accepted and approved the capitalisation of Rs. 0.45 Crore for the project "*Shifting of Tower No. 154 of 132kV Rishikesh-Srinagar Transmission Line*" during FY 2023-24.

4.3.11.1.39 *Supply of 145KV, 72.5KV, 36KV CT's, CVT's/PT's at 132kV Substation, Srinagar, Simli and Satpuli*

The Investment approval of Rs. 0.54 Crore for the project "*Supply of 145KV, 72.5KV, 36KV CT's, CVT's/PT's at 132kV Substation, Srinagar, Simli and Satpuli.*" was accorded vide internal approval dated 23.05.2022. The LoA for the said work was issued on 21.12.2022.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.40 Crore-while the LOA amount was Rs. 0.34 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted

and approved the capitalisation of Rs. 0.40 Crore for the project “Supply of 145KV, 72.5KV, 36KV CT's, CVT's/PT's at 132kV Substation, Srinagar, Simli and Satpuli.” during FY 2023-24.

4.3.11.1.40 *Revetment work at Tower Location 187 of 132 kV Srinagar-Satpuli Transmission Line*

The Investment approval of Rs. 0.30 Crore for the project “Revetment work at Tower Location 187 of 132 kV Srinagar-Satpuli Transmission Line.” was accorded vide internal approval dated 01.09.2023. The LoA for the said work was issued on 02.09.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.30 Crore-while the LOA amount was Rs. 0.25 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.30 Crore for the project “Revetment work at Tower Location 187 of 132 kV Srinagar-Satpuli Transmission Line.” during FY 2023-24.

4.3.11.1.41 *Supply of 72.5 KV, 36KV CT's, CVT's/PT's at 66kV Substation, Karanprayag, Kothiyalsain and Joshimath*

The Investment approval of Rs. 0.51 Crore for the project “Supply of 72.5KV, 36KV CT's, CVT's/PT's at 66kV Substation, Karanprayag, Kothiyalsain and Joshimath.” was accorded vide internal approval dated 04.05.2022. The LoA for the said work was issued on 21.12.2022.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.24 Crore-while the LOA amount was Rs. 0.20 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.24 Crore for the project "*Supply of 72.5KV, 36KV CT's, CVT's/PT's at 66kV Substation, Karanprayag, Kothiyalsain and Joshimath.*" during FY 2023-24.

4.3.11.1.42 *Erection of 250kVA, 33/0.4kV station transformer at 132kV Substation, Simli*

The Investment approval of Rs. 0.11 Crore for the project "*Erection of 250kVA, 33/0.4kV station transformer at 132kV Substation, Simli*" was accorded vide internal approval dated 22.04.2022. The LoA for the said work was issued on 22.04.2022.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.11 Crore-while the LOA amount was Rs. 0.09 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.11 Crore for the project "*Erection of 250kVA, 33/0.4kV station transformer at 132kV Substation, Simli.*" during FY 2023-24.

4.3.11.1.43 *Replacement of 110 Battery Set and Battery Charger at 132 kV substation Purkul Dehradun*

The Investment approval of Rs. 0.22 Crore for the project "*Replacement of 110 Battery Set and Battery Charger at 132 kV substation Purkul Dehradun*" was accorded vide internal approval dated 27.03.2023. The LoA for the said work was issued on 31.03.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.22 Crore-while the LOA amount was Rs. 0.18 Crore. In reply,

the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.22 Crore for the project “*Replacement of 110 Battery Set and Battery Charger at 132 kV substation Purkul Dehradun*” during FY 2023-24.

4.3.11.1.44 *Supply & Erection for replacement of old 110 Volt 300 AH lead acid Battery Set and cell's of 110 Volt,300AH VRLA battery bank at 132 kV Substation Bindal under 220 kV O&M Industrial Division Jhajhra*

The Investment approval of Rs. 0.18 Crore for the project “*Supply & Erection for replacement of old 110 Volt 300 AH lead acid Battery Set and cell's of 110 Volt,300 AH VRLA battery bank at 132 kV Substation Bindal under 220 kV O&M Industrial Division Jhajhra*” was accorded vide internal approval dated 08.09.2023. The LoA for the said work was issued on 11.09.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.24 Crore-while the LOA amount was Rs. 0.15 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.24 Crore for the project “*Supply & Erection for replacement of old 110 Volt 300 AH lead acid Battery Set and cell's of 110 Volt,300AH VRLA battery bank at 132 kV Substation Bindal under 220 kV O&M Industrial Division Jhajhra*” during FY 2023-24.

4.3.11.1.45 *Work of replacement of old 132 kV Circuit Breaker (782) & old 33 kV VCB Circuit Breaker (1&4) at 132 kV Substation Bindal.*

The Investment approval of Rs. 0.32 Crore for the project “*Work of replacement of old 132 kV Circuit Breaker (782) & old 33 kV VCB Circuit Breaker (1&4) at 132 kV Substation Bindal.*” was accorded vide internal approval dated 11.04.2023. The LoA amounting to Rs. 0.27 Crore for the said work was issued on 15.04.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs. 0.39 Crore, while the LoA amount was Rs. 0.27 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.39 Crore for the project “*Work of replacement of old 132 kV Circuit Breaker (782) & old 33 kV VCB Circuit Breaker (1&4) at 132 kV Substation Bindal.*” during FY 2023-24.

4.3.11.1.46 *Work of supply and Erection and Commissioning of 1 Nos. -33/.415 kV substation Transformer including civil work complete accessories at 220 kV Substation Jhajhra Dehradun*

The Investment approval of Rs. 0.27 Crore for the project “*Work of supply and Erection and Commissioning of 1 Nos. -33/.415 kV substation Transformer including civil work complete accessories at 220Kv Sub station Jhajhra Dehradun*” was accorded vide internal approval dated 26.08.2023. The LoA for the said work was issued on 28.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.29 Crore-while the LOA amount was Rs. 0.25 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due

to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.29 Crore for the project “*Work of supply and Erection and Commissioning of 1 Nos. -33/.415 kV substation Transformer including civil work complete accessories at 220Kv Sub station Jhajhra Dehradun.*” during FY 2023-24.

4.3.11.1.47 *Supply delivery and commissioning of Online Transformer oil Dry Out system (SS Static Model)-As per specifications sheet and type test reports at 132 kV Substation Majra Dehradun.*

The Investment approval of Rs. 0.10 Crore for the project “*Supply delivery and commissioning of Online Transformer oil Dry Out system (SS Static Model)-As per specifications sheet and type test reports at 132 kV Substation Majra Dehradun*” was accorded vide internal approval dated 13.09.2023. The LoA for the said work was issued on 18.10.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs. 0.11 and 9.5- Rs. 0.10 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the actual executed cost of work was Rs. 0.10 including GST as per the submitted Form 9.5.

Considering the actual executed cost, the Commission has accepted and approved the capitalisation of Rs. 0.10 Crore for the project “*Supply delivery and commissioning of Online Transformer oil Dry Out system (SS Static Model)-As per specifications sheet and type test reports at 132 kV Substation Majra Dehradun.*” during FY 2023-24.

4.3.11.1.48 *Supply, installation, testing & commissioning of automatic fire hydrant system with pump house and water storage system at 132 kV S/s Rudrapur*

The Investment approval of Rs. 0.50 Crore for the project “*Supply, installation, testing & commissioning of automatic fire hydrant system with pump house and water storage system at 132 kV S/s Rudrapur.*” was accorded vide internal approval dated 27.12.2022. The LoA for the said work was issued on 06.04.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.58 Crore-while the LOA amount was Rs. 0.49 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.58 Crore for the project "*Supply, installation, testing & commissioning of automatic fire hydrant system with pump house and water storage system at 132 kV S/s Rudrapur.*" during FY 2023-24.

4.3.11.1.49 *Work of procurement and replacement of 145 kV & 33 kV CVTs/PTs/CTs at 132 kV S/s Kashipur*

The Investment approval of Rs. 0.43 Crore for the project "*Work of procurement and replacement of 145 kV & 33 kV CVTs/PTs/CTs at 132 kV S/s Kashipur.*" was accorded vide internal approval dated 20.05.2022. The LoA for the said work was issued on 13.03.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.58 Crore-while the LoA amount was Rs. 0.50 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.58 Crore for the project "*Work of procurement and replacement of 145 kV & 33 kV CVTs/PTs/CTs at 132 kV S/s Kashipur.*" during FY 2023-24.

4.3.11.1.50 *Turfing work of switch yard at 132 kV S/s Kichha*

The Investment approval of Rs. 0.49 Crore for the project “*Turfing work of switch yard at 132 kV S/s Kichha.*” was accorded vide internal approval dated 07.08.2023. The LoA for the said work was issued on 18.10.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5- Rs. 0.58 Crore-while the LoA amount was Rs. 0.49 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.58 Crore for the project “*Turfing work of switch yard at 132 kV S/s Kichha*” during FY 2023-24.

4.3.11.1.51 *Protecting of tower legs of various 220 kV, 132 kV & 66 kV Lines emanating from 220/132kV S/s Roorkee*

The Investment approval of Rs. 0.57 Crore for the project “*Protecting of tower legs of various 220 kV, 132 kV & 66 kV Lines emanating from 220/132kV S/s Roorkee*” was accorded through internal approval. The LoA for the said work was issued on 25.10.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs. 0.57 Crore-while the LoA amount was Rs. 0.48 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted

and approved the capitalisation of Rs. 0.57 Crore for the project "*Protecting of tower legs of various 220 kV, 132 kV & 66 kV Lines emanating from 220/132kV S/s Roorkee*" during FY 2023-24.

4.3.11.1.52 *Supply and Installation of Bus Bar Protection at 400 kV S/s Kashipur for newly under construction bays*

The Investment approval of Rs. 0.48 Crore for the project "*Supply and Installation of Bus Bar Protection at 400 kV S/s Kashipur for newly under construction bays*" was accorded vide internal approval dated 20.12.2022. The LoA for the said work was issued on 30.01.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs. 0.57 Crore-while the LoA amount was Rs. 0.48 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.57 Crore for the project "*Supply and Installation of Bus Bar Protection at 400 kV S/s Kashipur for newly under construction bays*" during FY 2023-24.

4.3.11.1.53 *Construction of Road and Footpath at 220/132 kV S/s Ramnagar, Roorkee*

The Investment approval of Rs. 0.45 Crore for the project "*Construction of Road and Footpath at 220/132 kV S/s Ramnagar, Roorkee*" was accorded vide internal approval dated 11.11.2022. The LoA amounting to Rs. 0.45 Crore for the said work was issued on 18.05.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs. 0.53 Crore, while the LoA amount was Rs. 0.45 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.53 Crore for the project "*Construction of Road and Footpath at 220/132 kV S/s Ramnagar, Roorkee*" during FY 2023-24.

4.3.11.1.54 *Construction of Pile foundation at tower location no. 48 C of 132 kV Bazpur-Haldwani*

The Investment approval of Rs. 0.45 Crore for the project “*Construction of Pile foundation at tower location no. 48 C of 132 kV Bazpur-Haldwani*” was accorded vide internal approval dated 03.01.2022. The LoA amounting to Rs. 0.43 Crore for the said work was issued on 05.11.2022.

During the TVS, the Commission asked the Petitioner to clarify regarding the no difference in amount of F-9A and LoA. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the cost mentioned in Form 9A is the actual executed cost of the project.

Considering the actual executed cost, the Commission has accepted and approved the capitalisation of Rs. 0.43 Crore for the project “*Construction of Pile foundation at tower location no. 48 C of 132 kV Bazpur-Haldwani*” during FY 2023-24.

4.3.11.1.55 *Raising of boundary wall and providing of concertina coil fencing work on boundary wall at 132 kV Majra, Dehradun*

The Investment approval of Rs. 0.28 Crore for the project “*Raising of boundary wall and providing of concertina coil fencing work on boundary wall at 132 kV Majra, Dehradun*” was accorded vide internal approval dated 08.06.2023. The LoA for the said work was issued on 08.06.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.31 Crore-while the LoA amount was Rs. 0.28 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.31 Crore for the project “*Raising of boundary wall and providing of concertina coil fencing work on boundary wall at 132 kV Majra, Dehradun*” during FY 2023-24.

4.3.11.1.56 *Providing and installation of Bird Flight Diverter on 400KV Roorkee-Muzzafernagar and 400KV Rishikesh-Nehtaur Transmission Line*

The Investment approval of Rs. 0.24 Crore for the project “*Providing and installation of Bird Flight Diverter on 400KV Roorkee-Muzaffarnagar and 400KV Rishikesh-Nehtaur Transmission Line*” was accorded vide internal approval dated 30.10.2023. The LoA for the said work was issued on 01.11.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in amount submitted in F-9A and F-9.5 that is Rs. 0.28 Crore while the LoA is amount of Rs. 0.24 Crore and also to provide the reason for the capitalisation as in the internal approval it is mentioned that the 400 kV line is used to evacuate the power to Moradabad and Nehtaur region for the consumer to UP state. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the the work order amount is exclusive of GST and amount mentioned in Form 9.5 is including GST hence there is difference in amount between Form 9.5 and Work Order. Further, it is submitted that the GST on supply of different material is different. Therefore, the order was placed by applying GST as applicable.

The Petitioner also submitted that 400 kV Sub-Station Kashipur is connected to 04 nos. PGCIL Bays, 01 No Moradabad Bay and 01 No. Nehtaur Bay. 400 kV Kashipur-Nehtaur line and 400 kV Kashipur-Moradabad Line are the capital asset of PTCUL and PTCUL maintain these lines generally. 400 kV S/s Kashipur exports power to above mentioned line and in case of outage of PGCIL bay, power is imported to 400 kV S/s Kashipur from above mentioned line. Hence it is benefiting both bays as it is a Grid Line.

Further, the Petitioner also submitted that, Petition was filled to CERC by the PTCUL in FY 2020-21, for inclusion of the said asset in PoC charges as per the as per the Relevant CERC Regulation but the CERC has not approved the tariff of the said asset.

It is observed that this is the Inter State Transmission Line (ISTS line) and the tariff of ISTS lines is to be determined by the Central Electricity Regulatory Commission. Hence the Commission has not considered the capitalisation cost for work “*Providing and installation of Bird Flight Diverter on 400 kV Roorkee-Muzzafernagar and 400KV Rishikesh-Nehtaur Transmission Line*” during the True-up of FY 2023-24.

4.3.11.1.57 *Providing and installation of Electric Fencing in 400 kV & 220 kV Switch yard at 400 kV S/s Rishikesh*

The Investment approval of Rs. 0.23 Crore for the project “*Providing and installation of Electric Fencing in 400 kV & 220 kV Switch yard at 400 kV S/s Rishikesh*” was accorded vide internal approval dated 01.08.2023. The LoA for the said work was issued on 01.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.27 Crore, while the LoA amount was Rs. 0.23 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.27 Crore for the project “*Providing and installation of Electric Fencing in 400 kV & 220 kV Switch yard at 400 kV S/s Rishikesh*” during FY 2023-24

4.3.11.1.58 *Construction of Zonal Accounts office (Garhwal Zone) at 26 Civil Line, Roorkee*

The Investment approval of Rs. 0.22 Crore for the project “*Construction of Zonal Accounts office (Garhwal Zone) at 26 Civil Line, Roorkee*” was accorded vide internal approval dated 02.06.2022. The LoA amounting to Rs. 0.23 Crore for the said work was issued on 20.01.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.27 Crore-while the LoA amount was Rs. 0.23 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.27 Crore for the project “*Construction of Zonal Accounts office (Garhwal Zone) at 26 Civil Line, Roorkee*” during FY 2023-24.

4.3.11.1.59 *Replacement of old 33 kV VCB Circuit Breaker at 132 kV S/s Majra, Dehradun*

The Investment approval of Rs. 0.20 Crore for the project “*Replacement of old 33 kV VCB Circuit Breaker at 132 kV S/s Majra, Dehradun*” was accorded vide internal approval dated 17.03.2023. The LoA for the said work was issued on 19.06.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.26 Crore-while the LoA amount was Rs. 0.18 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.26 Crore for the project “*Replacement of old 33 kV VCB Circuit Breaker at 132 kV S/s Majra, Dehradun*” during FY 2023-24.

4.3.11.1.60 *Supply, Erection Testing & Commissioning of 1 no. 220 Volt 400 Ah Battery Bank Set with its related works at 400 kV S/s Rishikesh*

The Investment approval of Rs. 0.19 Crore for the project “*Supply, Erection Testing & Commissioning of 1 no. 220 Volt 400 Ah Battery Bank Set with its related works at 400 kV S/s Rishikesh*” was accorded vide internal approval dated 27.03.2023. The LoA for the said work was issued on 27.12.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs. 0.25 Crore and LoA amount. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.25 Crore for the project “Supply, Erection Testing & Commissioning of 1 no. 220 Volt 400 Ah Battery Bank Set with its related works at 400 kV S/s Rishikesh” during FY 2023-24.

4.3.11.1.61 *Work of strengthening of 220 Volt 500 AH Battery Set (VRLA) at 220 kV Substation Jhajhra Dehradun*

The Investment approval of Rs. 0.23 Crore for the project “work of strengthening of 220 Volt 500 AH Battery Set (VRLA) at 220 kV Substation Jhajhra Dehradun” was accorded vide internal approval dated 26.08.2023. The LoA for the said work was issued on 28.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.24 Crore, while the LoA amount was Rs. 0.19 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.24 Crore for the project “work of strengthening of 220 Volt 500 AH Battery Set (VRLA) at 220 kV Substation Jhajhra Dehradun” during FY 2023-24.

4.3.11.1.62 *ERS work of making protection wall (civil work) at tower foundation at tower no.-05 & Tower no.-14 of 132 kV Piran Kaliyar-Bhagwanpur/Chudiyala D/C Line*

The Investment approval of Rs. 0.21 Crore for the project “ERS work of making protection wall (civil work) at tower foundation at tower no.-05 & Tower no.-14 of 132 kV Piran Kaliyar-Bhagwanpur/Chudiyala D/C Line” was accorded vide internal approval dated 05.08.2023. The LoA for the said work was issued on 05.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.20 Crore, while the LaA amount was Rs. 0.17 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive

of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.20 Crore for the project *"ERS work of making protection wall (civil work) at tower foundation at tower no.-05 & Tower no.-14 of 132 kV Piran Kaliyar-Bhawanpur/Chudiyala D/C Line"* during FY 2023-24.

4.3.11.1.63 *ERS work for Procurement & Erection of 36 kV VCB outdoor type for 132 kV S/s Bhagwanpur*

The Investment approval of Rs. 0.20 Crore for the project *"ERS work for Procurement & Erection of 36 kV VCB outdoor type for 132 kV S/s Bhagwanpur"* was accorded vide internal approval dated 19.12.2023. The LoA for the said work was issued on 23.12.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.20 Crore, while the LoA amount was Rs. 0.17 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.20 Crore for the project *"ERS work for Procurement & Erection of 36 kV VCB outdoor type for 132 kV S/s Bhagwanpur"* during FY 2023-24.

4.3.11.1.64 *Replacement of defective DCDB after providing of new DCDB & associated work at 220KV S/s under 220KV O&M Division Rishikesh*

The Investment approval of Rs. 0.17 Crore for the project *"Replacement of defective DCDB after*

providing of new DCDB & associated work at 220KV S/s under 220KV O&M Division Rishikesh" was accorded vide internal approval dated 04.11.2023. The LoA for the said work was issued on 09.11.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.18 Crore, while the LoA amount was Rs. 0.14 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.18 Crore for the project "*Replacement of defective DCDB after providing of new DCDB & associated work at 220KV S/s under 220KV O&M Division Rishikesh*" during FY 2023-24.

4.3.11.1.65 *ERS work of Providing & Fixing of Master Trip Relay and Trip Circuit Supervision Relay at 220KV Substation, Pirankaliyar (Imlikhera)*

The Investment approval of Rs. 0.17 Crore for the project "*ERS work of Providing & Fixing of Master Trip Relay and Trip Circuit Supervision Relay at 220KV Substation, Pirankaliyar (Imlikhera)*" was accorded vide internal approval dated 19.11.2023. The LoA for the said work was issued on 02.12.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.16 Crore, while the LoA amount was Rs. 0.14 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.16 Crore for the project “ERS work of Providing & Fixing of Master Trip Relay and Trip Circuit Supervision Relay at 220KV Substation, Pirankaliyar (Imlikhera)” during FY 2023-24.

4.3.11.1.66 *Supply work against Emergency work for replacement of existing defective 48 volt battery bank and charger with new battery bank & charger at SCADA, Rishikesh*

The Investment approval of Rs. 0.20 Crore for the project “Supply work against Emergency work for replacement of existing defective 48 volt battery bank and charger with new battery bank & charger at SCADA, Rishikesh” was accorded vide internal approval dated 19.12.2023. The LoA for the said work was issued on 23.12.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and LoA amount. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9A includes GST.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.16 Crore for the project “Supply work against Emergency work for replacement of existing defective 48 volt battery bank and charger with new battery bank & charger at SCADA, Rishikesh” during FY 2023-24.

4.3.11.1.67 *Supply and erection of batteries and it's accessories*

The Investment approval of Rs. 0.15 Crore for the project “Supply and erection of batteries and it's accessories” was accorded vide internal approval dated 19.12.2023. The LoA for the said work was issued on 22.12.2023.

During the TVS, the Commission asked the Petitioner to submit the copy of Work Order and F-9.5. In reply, the Petitioner has not submitted the details as desired by the Commission during the TVS, which is required to substantiate the claimed amount by the Petitioner.

In this regard, the Commission has not considered the capitalisation amounting to Rs. 0.15 Crore towards “Supply and erection of batteries and it's accessories” during FY 2023-24.

4.3.11.1.68 *Procurement, Erection, Testing & Commissioning Battery Charger for 220 Volt 400 Ah tubular Battery Bank at 400 kV S/s Rishikesh*

The Investment approval of Rs. 0.12 Crore for the project “Procurement, Erection, Testing & Commissioning Battery Charger for 220 Volt 400 Ah tubular Battery Bank at 400 kV S/s Rishikesh)” was accorded vide internal approval dated 27.03.2023. The LoA for the said work was issued on 02.04.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs. 0.15 Crore and LoA amount was Rs.0.12 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9A includes GST i.e. actual executed cost.

Considering the actual executed cost, the Commission has accepted and approved the capitalisation of Rs. 0.15 Crore for the project “Procurement, Erection, Testing & Commissioning Battery Charger for 220 Volt 400 Ah tubular Battery Bank at 400 kV S/s Rishikesh” during FY 2023-24.

4.3.11.1.69 *Construction of 90 mtr. X 3.75mtr CC road from substation to colony in the premises of 132 kV S/s ELDECO Sitarganj*

The Investment approval of Rs. 0.11 Crore for the project “Construction of 90 mtr. X 3.75mtr CC road from substation to colony in the premises of 132 kV S/s ELDECO Sitarganj” was accorded vide internal approval dated 28.12.2022. The LoA for the said work was issued on 06.04.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.14 Crore, while the LoA amount was Rs. 0.12 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.14 Crore for the project "*Construction of 90 mtr. X 3.75mtr CC road from substation to colony in the premises of 132 kV S/s ELDECO Sitarganj*" during FY 2023-24.

4.3.11.1.70 *Supply and installation of MS SP fire extinguishers with unique and automatic discharge mechanism at 220 kV S/s IIP Harrawala*

The Investment approval of Rs. 0.11 Crore for the project "*Supply and installation of MS SP fire extinguishers with unique and automatic discharge mechanism at 220 kV S/s IIP Harrawala*" was accorded vide internal approval dated 25.01.2023. The LoA for the said work was issued on 03.04.2023.

During the TVS, the Commission asked the Petitioner to provide the reason for capitalizing the work in the GFA as it was observed that the internal approval it was clearly mentioned that the fund for the mentioned work shall be met from budget of FY 2023-24 against R&M work. In reply, the Petitioner submitted that in case of internal approvals of the capital nature works, the works are mentioned as the renovation (refurbishment) & modernization works (R&M). The capital R&M works are actually the renovation(refurbishment) & modernization works which are either new works undertaken in the existing substations/lines etc. or the works including repairs / renovations which increase the life of the assets over the period.

Further, with respect to the capitalisation of the project/work in the GFA, this is to inform that the works are capitalised in the accounts as per the accounting policy of PTCUL and on the basis of nature of work.

As per Accounting Policy of PTCUL the expenditure incurred on renovation, modernization and augmentation of PPE on or before completion of the originally estimated useful life of substation/transmission lines resulting in increased life and /or efficiency of an existing asset, is added to the cost of the related asset. PPE acquired as replacement of the existing assets/component is capitalised and its corresponding replaced assets/component removed /retired from active use are derecognized.

Since as per the accounting principles and policy of PTCUL the work is of capital nature, hence, the same has been capitalised in the books of accounts.

Considering the submissions of the Petitioner, the Commission has considered the Rs. 0.11 Crore and approved the capitalisation of Rs. 0.11 Crore towards "*Supply and installation of MS SP fire*

extinguishers with unique and automatic discharge mechanism at 220 kV S/s IIP Harrawala” during FY 2023-24.

4.3.11.1.71 *Work of strengthening of AC LT and 132 kV Substation Majra*

The Investment approval of Rs. 0.09 Crore for the project “*Work of strengthening of AC LT and 132 kV Substation Majra*” was accorded vide internal approval dated 13.09.2023. The LoA for the said work was issued on 18.10.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.11 Crore, while the LoA amount was Rs. 0.09 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.11 Crore for the project “*Work of strengthening of AC LT and 132 kV Substation Majra*” during FY 2023-24.

4.3.11.1.72 *Supply & Installation of AFFF foam based as well as water mist & CAFS type fire extinguishers at 220 kV GIS S/s IIP Harrawala*

The Investment approval of Rs. 0.10 Crore for the project “*Supply & Installation of AFFF foam based as well as water mist & CAFS type fire extinguishers at 220 kV GIS S/s IIP Harrawala*” was accorded through internal approval.

During the TVS, the Commission asked the Petitioner to provide the reason for capitalizing the work in the GFA as it was observed in the internal approval it was clearly mentioned that the fund for the mentioned work shall be met from budget of FY 2023-24 against R&M work. In reply, the Petitioner submitted that the, is to inform that in case of internal approvals of the capital nature works, the works are mentioned as the renovation(refurbishment) & modernization works (R&M). The capital R&M works are actually the renovation(refurbishment) & modernization works which are either new works undertaken in the existing substations/lines etc. or the works including

repairs /renovations which increase the life of the assets over the period.

Further, with respect to the capitalisation of the project / work in the GFA, this is to inform that the works are capitalised in the accounts as per the accounting policy of PTCUL and on the basis of nature of work.

As per Accounting Policy of PTCUL the expenditure incurred on renovation, modernization and augmentation of PPE on or before completion of the originally estimated useful life of sub-station/transmission lines resulting in increased life and/or efficiency of an existing asset, is added to the cost of the related asset. PPE acquired as replacement of the existing assets/component is capitalised and its corresponding replaced assets/component removed/retired from active use are derecognized. Since, as per the accounting principles and policy of PTCUL the work is of capital nature, hence, the same has been capitalised in the books of accounts.

Considering the submissions of the Petitioner, the Commission has considered the Rs. 0.10 Crore and approved the capitalisation of Rs. 0.10 Crore towards *"Supply & Installation of AFFF foam based as well as water mist & CAFS type fire extinguishers at 220 kV GIS S/s IIP Harrawala"* during FY 2023-24.

4.3.11.1.73 *Construction of Chain Link Security Fencing at Divisional Store of 220 kV O&M Division Rishikesh*

The Investment approval of Rs. 0.10 Crore for the project *"Construction of Chain Link Security Fencing at Divisional Store of 220 kV O&M Division Rishikesh"* was accorded vide internal approval dated 18.08.2022. The LoA for the said work was issued on 02.03.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.10 Crore, while the LoA amount was Rs. 0.06 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted

and approved the capitalisation of Rs. 0.10 Crore for the project “Construction of Chain Link Security Fencing at Divisional Store of 220 kV O&M Division Rishikesh” during FY 2023-24.

4.3.11.1.74 Work of Extension of 33 kV Jack Bus and Associated work at 33 kV Switch Yard under 220KV O&M Division Rishikesh.

The Investment approval of Rs. 0.10 Crore for the project “Work of Extension of 33 kV Jack Bus and Associated work at 33 kV Switch Yard under 220KV O&M Division Rishikesh.” was accorded vide internal approval dated 03.08.2022. The LoA for the said work was issued on 10.01.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.08 Crore, while the LoA amount was Rs. 0.06 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.08 Crore for the project “Work of Extension of 33 kV Jack Bus and Associated work at 33 kV Switch Yard under 220 kV O&M Division Rishikesh.” during FY 2023-24.

4.3.11.1.75 Work for providing, fixing and installation of Indoor and Outdoor Distribution panels and cabling work to provide 400 Amp 415 V4 pole MCCB supply in outside area near transformer for doing various works at 220 kV GIS S/s IIP Harrawala

The Investment approval of Rs. 0.07 Crore for the project “Work of Extension of 33 kV Jack Bus and Associated work at 33 kV Switch Yard under 220KV O&M Division Rishikesh.” was accorded vide internal approval dated 29.05.2023. The LoA for the said work was issued on 30.08.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A and 9.5 -Rs. 0.08 Crore, while the LoA amount was Rs. 0.06 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.08 Crore for the project “*Work of Extension of 33 kV Jack Bus and Associated work at 33 kV Switch Yard under 220KV O&M Division Rishikesh.*” during FY 2023-24.

4.3.11.1.76 *Work for making a tubewell for filling of water storage pond of mulsifire and hydrant system at 400 kV S/s Rishikesh*

The Investment approval of Rs. 0.06 Crore for the project “*Work for making a tubewell for filling of water storage pond of mulsifire and hydrant system at 400 kV S/s Rishikesh*” was accorded vide internal approval dated 15.03.2023. The LoA amounting to Rs. 0.067 Crore for the said work was issued on 29.03.2023.

During the TVS, the Commission asked the Petitioner to clarify the difference in the amount submitted in Form 9A-Rs. 0.073 and LoA amount was Rs. 0.067 Crore. In reply, the Petitioner vide letter dated February 07, 2025, submitted that the work order amount is exclusive of GST, whereas the amount mentioned in Form 9.5 includes GST. Hence, the difference arises due to the inclusion of GST in Form 9.5.

It was further submitted that the applicable GST rates vary depending on the type of material supplied. Therefore, in the work order specific rate or amount of GST was not mentioned rather it was written that GST will be applied item wise as per their applicable rates.

Considering that the awarded amount was exclusive of GST, the Commission has accepted and approved the capitalisation of Rs. 0.073 Crore for the project “*Work for making a tubewell for filling of water storage pond of mulsifire and hydrant system at 400KV S/S Rishikesh.*” during FY 2023-24.

4.3.11.1.77 *Procurement of 110 V/ 30 Amp. Float charger + 110 V 40 AMP, Float Cum boost charger with inbuilt DCDB at 132 kV IDPL S/s Rishikesh*

The Investment approval of Rs. 0.04 Crore for the project “*Procurement of 110V/30Amp. Float charger + 110 V 40 AMP, Float Cum boost charger with inbuilt DCDB at 132 kV IDPL S/s Rishikesh.*” was accorded vide internal approval dated 30.11.2022. The LoA for the said work was issued on 26.05.2023.

The Petitioner has claimed the amount of Rs. 0.04 in Form 9A for the aforesaid scheme in the FY 2023-24 against the amount submitted in Form 9.5.

Considering the claim of the Petitioner, the Commission has accepted and approved the capitalisation of Rs. 0.04 Crore for the project “*Procurement of 110V/ 30Amp. Float charger + 110 V 40 AMP, Float Cum boost charger with inbuilt DCDB at 132 kV IDPL S/s Rishikesh.*” during FY 2023-24.

4.3.11.1.78 *Control & Relay Panel*

The Petitioner w.r.t. the aforesaid scheme has claimed amounting to Rs. 0.64 Crore in F-9.8. In this regard, the Commission vide its letter dated February, 21 2025 directed the Petitioner to submit the reason for claiming the aforesaid work in F-9.8 and not in F-9A as the nature of scheme seems to be fresh work and also directed to submit the F-9.5 and supporting documents w.r.t. the claimed amount.

In response, the Petitioner vide its letter dated March, 6 2025 has submitted the details of the S/s where, supply of protection relays were undertaken under the aforesaid scheme. However, the Petitioner has not submitted the copy of work order and internal approval. In the aforesaid response, the Petitioner also submitted that the cost claimed in the present petition is the part capitalisation of the work order issued.

In this regard, the Commission is of the view that, as the Petitioner has not submitted the critical information/documents w.r.t. the works and has sought part capitalisation, the same is hereby not approved.

Further, the Commission directs the Petitioner to claim the aforesaid work with all the critical information as desired by the Commission for prudence check of the scheme after the full capitalisation of the aforesaid work.

4.3.11.1.79 *Commissioning of Solar Power Plant installed at roof of Head Quarter Building, Dehradun*

The Petitioner w.r.t. the aforesaid scheme has claimed amounting to Rs. 0.48 Crore in F-9.8. During the TVS, the Commission has directed the Petitioner to submit the reason for claiming the aforesaid work in F-9.8 and not in F-9A as the nature of scheme seems to be fresh work and also directed to submit the F-9.5 and supporting documents w.r.t. the claimed amount.

In this regard, the Commission is of the view that, as the Petitioner has not submitted the critical information/documents w.r.t. the works. The Commission is not inclined to approve the capitalisation.

4.3.11.1.80 *Supply, Erection & Commissioning of 110 Volts, 500 AH lead acid Tubular LM Type Battery Set at 220 kV S/s under 220 kV O&M Division, Rishikesh*

The Petitioner w.r.t. the aforesaid scheme has claimed amounting to Rs. 0.16 Crore in F-9.8. During the TVS, the Commission has directed the Petitioner to submit the reason for claiming the aforesaid work in F-9.8 and not in F-9A as the nature of scheme seems to be fresh work and also directed to submit the F-9.5 and supporting documents w.r.t. the claimed amount. In response, the Petitioner has submitted the copy of LoA and internal approval w.r.t. the aforesaid work but fails to provide the F-9.5 & F-9A in support of the capitalisation of the scheme.

In this regard, the Commission is of the view that, as the Petitioner has not submitted the critical information/documents w.r.t. the works. The Commission is not inclined to approve the capitalisation.

4.3.11.1.81 *Construction of store shed at 132 kV Substation, Kichha under 220 kV O&M Division, PTCUL, Pantnagar*

The Petitioner w.r.t. the aforesaid scheme has claimed amounting to Rs. 0.14 Crore in F-9.8. During the TVS, the Commission has directed the Petitioner to submit the reason for claiming the aforesaid work in F-9.8 and not in F-9A as the nature of scheme seems to be fresh work and also directed to submit the F-9.5 and supporting documents w.r.t. the claimed amount. In response, the Petitioner has submitted the copy of LoA and internal approval w.r.t. the aforesaid work but fails to provide the F-9.5 & F-9A in support of the capitalisation of the scheme.

In this regard, the Commission is of the view that, as the Petitioner has not submitted the critical information/documents w.r.t. the works, the Commission is not inclined to approve the capitalisation.

4.3.11.1.82 *Supply and erection of 250 kV 33/0.415kV, 3 Phase transformer and associated work at 132 kV S/s Kichha*

The Petitioner w.r.t. the aforesaid scheme has claimed amounting to Rs. 0.11 Crore in F-9.8.

During the TVS, the Commission has directed the Petitioner to submit the reason for claiming the aforesaid work in F-9.8 and not in F-9A as the nature of scheme seems to be fresh work and also directed to submit the F-9.5 and supporting documents w.r.t. the claimed amount. In response, the Petitioner has submitted the copy of LoA and internal approval w.r.t. the aforesaid work but fails to provide the F-9.5 & F-9A in support of the capitalisation of the scheme.

In this regard, the Commission is of the view that, as the Petitioner has not submitted the critical information/documents w.r.t. the works, the Commission is not inclined to approve the capitalisation.

With regard to the aforesaid schemes capitalised under the “Other Projects”, it is observed by the Commission that most of the scheme discussed above were initially booked under the R&M head of accounts and during the accounting treatment they were shifted to the capital works. In this regard, the Commission directs the Petitioner to ensure that all the capital related works should only be booked under the capital investment head and only the works related to Repair and Maintenance (R&M) should be booked under the R&M head of book of accounts. Further, after the capitalisation of every capital work, Petitioner should provide all the critical information to the Commission as per the UERC Tariff Regulations for prudence check of the scheme after the full capitalisation in the respective financial year.

4.3.11.1.83 Other works under SLDC

SLDC has claimed the amount of Rs. 1.643 Crore under the internal resource scheme. The details of work claimed by the SLDC are shown in the table below:

Table 4.20: Capitalisation claimed for other scheme in FY 2023-24(Rs. Crore)

Sl. No.	Work	Claimed
1.	Procurement and installation of solar power system at microwave station, Chilla	0.012
2.	Replacement of existing defective 48V battery bank and charger with new battery bank and charger at SCADA, Rishikesh	0.157
3.	Replacement of old and obsolete AC's with new AC's at SCADA, Rishikesh	0.088
4.	Supply of Godrej make furniture at SCADA subdivision, Roorkee	0.02
5.	Purchase of mobile phone for JE, SCADA, Dehradun	0.001
6.	Replacement of 48V old battery bank with new battery bank at 132 kV S/S at Majra, Dehradun	0.079
7.	Replacement of 48V old battery bank at 220 kV S/S at SIDCUL, Haridwar	0.071
8.	Maintenance charges for communication equipment for 02 year during warranty period	0.207
9.	Maintenance charges for communication equipment for 02 year during warranty period	0.207
10.	Maintenance charges for communication equipment system (excluding FO cabling) for 01 year after warranty period	0.276
11.	Training on fiber optic cabling (OPGW) and training on telecom equipment for communication equipment system (excluding FO cabling)	0.434
12.	Computers	0.008
13.	Computers	0.001
14.	Supply and Maintenance work at SCADA S/D Roorkee	0.001

Table 4.20: Capitalisation claimed for other scheme in FY 2023-24(Rs. Crore)

Sl. No.	Work	Claimed
15.	Purchase of water purifier	0.002
16.	Purchase of Furniture	0.05
17.	Computers	0.013
18.	Purchase of mobile phone for EE, SLDC	0.002
19.	Mobile phone received from O&M Division, Dehradun	0.002
20.	T&P received from HQPU	0.008
21.	Providing and installation of finger Wi-fi adapter with 300Mbps and Wi-fi routers	0.001
22.	Providing and fixing of metallic floor standing server cabinate 17 U and other computer related works	0.003
	Total	1.643

Further, it is observed that SLDC has failed to completely separate the accounts of SLDC and PTCUL during FY 2023-24 and has further not submitted the separate balance sheet for SLDC during FY 2023-24. In view of the same, the Commission has not taken up truing-up of SLDC separately and has considered the same as a part of overall true-up of STU.

The Commission observed that the some of the works claimed by SLDC are of R&M nature and hence has considered only works which are of capital nature to be considered for the capitalisation in FY 2023-24. Hence, the Commission has approved the capitalisation as shown in the table below:

Table 4.21: Capitalisation approved by the Commission for Other scheme in FY 2023-24 (Rs. Crore)

Sl. No.	Work	Claimed	Approved in the FY 2023-24
1.	Procurement and installation of solar power system at microwave station, Chilla	0.012	0.012
2.	Replacement of existing defective 48V battery bank and charger with new battery bank and charger at SCADA, Rishikesh	0.157	0.157
3.	Replacement of old and obsolete AC's with new AC's at SCADA, Rishikesh	0.088	0.088
4.	Supply of Godrej make furniture at SCADA subdivision, Roorkee	0.02	0
5.	Purchase of mobile phone for JE, SCADA, Dehradun	0.001	0
6.	Replacement of 48V old battery bank with new battery bank at 132 kV S/S at Majra, Dehradun	0.079	0.079
7.	Replacement of 48V old battery bank at 220 kV S/S at SIDCUL, Haridwar	0.071	0.071
8.	Maintenance charges for communication equipment for 02 year during warranty period	0.207	0
9.	Maintenance charges for communication equipment for 02 year during warranty period	0.207	0
10.	Maintenance charges for communication equipment system (excluding FO cabling) for 01 year after warranty period	0.276	0
11.	Training on fiber optic cabling (OPGW) and training on telecom equipment for communication equipment system (excluding FO cabling)	0.434	0
12.	Computers	0.008	0
13.	Computers	0.001	0
14.	Supply and Maintenance work at SCADA S/D Roorkee	0.001	0
15.	Purchase of water purifier	0.002	0
16.	Purchase of Furniture	0.05	0
17.	Computers	0.013	0
18.	Purchase of mobile phone for EE, SLDC	0.002	0
19.	Mobile phone received from O&M Division, Dehradun	0.002	0
20.	T&P received from HQPU	0.008	0
21.	Providing and installation of finger Wi-fi adapter with 300 Mbps and Wi-fi routers	0.001	0
22.	Providing and fixing of metallic floor standing server cabinate 17U and other computer related works	0.003	0.00
	Total	1.643	0.407

Accordingly, the details of capitalisation approved by the Commission towards Other Schemes (System Strengthening) for FY 2023-24:

Table 4.22: Works carried out under Other Schemes

S. No.	Particulars	FY 2023-24 (Rs. Crore)	
		Claimed by PTCUL	Approved
Others including Internal Resources			
1.	Construction of boundary wall for 400/220/132 kV S/s Virbhadrha, Rishikesh	1.24	1.24
2.	Construction of 220 kV DC line from loc. No. 27 (i.e. of 220 kV D/C LILO line from Jauljibi PGCIL to Baram)	1.03	0.00
3.	Work construction of protection wall of Tower No. 8 of 132 kV SIDCUL-Jwalapur line Ckt-II under 220 kV (O&M) Division, SIDCUL, Haridwar on emergency basis.	0.50	0.50
4.	Work of construction of protection wall for safety of single circuit Tower No. 124 of 132 kV Padartha - Kotdwar Line associated with 132 kV S/s, Kotdwar on emergency basis	0.33	0.33
5.	Supply and erection of 110 volt 500 AH battery& battery charger at 132 kV S/s Manglore	0.19	0.19
6.	Emergency work of Construction of revetment wall for D/C Tower no. 09 of 220 kV Roorkee-Puhana-Piran Kaliyar LILO Line	0.47	0.47
7.	Work of replacement of various damaged tower parts and strengthening of tower no. 149 & 150 of 400KV D/C Kashipur-Dhampur Line	0.54	0.00
8.	Supply and Laying of main auxiliary armoured power cable & streetlight repairing, painting of residential colony at 400 kV S/s Kashipur.	0.06	0.06
9.	Supply and laying of 630 Sqm Lt XLPE Al. lead single core armoured cable at 400 kV S/s Kashipur.	0.12	0.12
10.	Supply, Installation, Testing and Commissioning of 220V/800AH Tubular Battery Bank at 400KV S/s Kashipur	0.54	0.54
11.	Supply, Erection, and Commissioning of LT panel main air circuit breakers at 400KV S/s Kashipur.	0.24	0.24
12.	Work of protection of tower no. 67(DA+25) of 400KV Kashipur-Moradabad and 400KV Kashipur-Nehtaur D/C Line	0.58	0.00
13.	Protection of Tower from heavy flood in Fikka river at location no. 67(DA+25) of 400KV Kashipur-Moradabad-Nehtaur D/C Line	0.19	0.00
14.	Work of supply and installation of additional 110 V battery bank and battery charger at 132 kV Sub-station Bazpur& 132 kV Sub-station Ramnagar.	0.46	0.00
15.	Work of construction of revetment/protection wall at tower no 19 of 132 kV Kashipur-Bazpur line and Tower no 84 of 132 kV Kalagarh-Ramnagar line under 132 kV O&M Division Kashipur.	0.21	0.21
16.	Work of construction of new boundary wall around sub-station campus at 132 kV Sub-station Bazpur.	0.24	0.24
17.	Work of construction of new approach road at 132 kV Sub-Station, Kashipur & 132 kV Sub-Station, Bazpur	0.57	0.57
18.	Work of protection of tower from heavy flood in Kosi river at tower location 19 of 132 kV Kashipur-Bazpur line connected to 132 kV Substation Bazpur	0.59	0.59
19.	Work of procurement of spare 132 kV LA & 33 kV CT /PT/Isolators and replacement of DCDB at 132 kV Sub-station Bazpur.	0.11	0.11
20.	Work of turfing at 132 kV bays at 132 kV Sub-station Bazpur	0.56	0.56
21.	Providing fixing and installation of electrical fencing at 132 kV S/s Jaspur.	0.18	0.18
22.	Work replacement of 01 no. 220V DC, 500AH VRLA battery bank with new battery at 220KV Mahuakheraganj.	0.23	0.23
23.	Construction of storeroom at 132 kV Substation Almora under O&M Div. Almora.	0.59	0.59
24.	Supply erection of 110Volt 300Ah dry Battery Bank and Battery Charger at132 kV Substation Almora under O&M Div. Almora.	0.12	0.12
25.	Supply and erection of 110 Volt, 300 Ah dry battery bank and battery charger at 132 kV S/s Ranikhet under O&M Division, PTCUL, Almora	0.12	0.12
26.	Turfing work in switch yard at 132 kV Substation Ranikhet under O&M Division, PTCUL, Almora. O&M Division, PTCUL, Almora.	0.44	0.44
27.	Work of construction of wire mesh fencing and store shade at 132 kV Substation, Ranikhet Under O&M Division, PTCUL, Almora.	0.32	0.32
28.	Construction of CC Road for colony and Switchyard at 132 kV Substation Pithoragarh under O&M Division, PTCUL, Almora.	0.53	0.53

Table 4.22: Works carried out under Other Schemes

S. No.	Particulars	FY 2023-24 (Rs. Crore)	
		Claimed by PTCUL	Approved
29.	Construction of Revetment and Retaining wall at tower Location no. 06,15, 16 & 18 of 132 kV Chandak-Pithoragarh D/C Line under O&M Division, PTCUL, Almora.	0.40	0.40
30.	Construction of Revetment wall at tower location No. AP - 51, AP-134 and AP- 135 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower under O&M Division, PTCUL, Almora.	0.42	0.42
31.	Construction of Revetment wall at tower location No. AP - 4 and AP- 11 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower" Udder O&M Division, PTCUL, Almora.	0.25	0.25
32.	Construction of Revetment wall at tower location No. AP - 117 and Tower Location No. AP- 32 of 132 kV Ranikhet- Bageshwar S/C line on D/C tower" under O&M Division, PTCUL, Almora.	0.37	0.37
33.	Construction of false ceiling with gypsum plasterboard and installation of fire smoke detection system at various substation under 220 kV O&M Division Haldwani.	0.29	0.29
34.	Repair, Overhauling, remodeling and extension of fire Hydrant system at 220 kV S/s Haldwani	0.58	0.58
35.	Construction of Closed Storage shed cum store office cabin ec. Work at 220 kV S/s Haldwani	0.70	0.70
36.	Construction of one no. 33 kV Transfer Bus Coupler (TBC) bay (for switchyard related to 2x50MVA, 220/33 kV Transformers) at 220KV S/s Pantnagar under O&M Division PTCUL, Pantnagar	0.39	0.39
37.	Construction of 80x4.2 mtr. CC Road at 220 kV Switchyard in the premises of 220 kV S/s Pantnagar under O&M Division Pantnagar	0.11	0.11
38.	Shifting of Tower No. 154 of 132kV Rishikesh-Srinagar Transmission Line	0.45	0.45
39.	Supply of 145KV, 72.5KV, 36KV CT's, CVT's/PT's at 132kV Substation, Srinagar, Simli and Satpuli.	0.40	0.40
40.	Revetment work at Tower Location 187 of 132 kV Srinagar-Satpuli Transmission Line.	0.30	0.30
41.	Supply of 72.5KV, 36KV CT's, CVT's/PT's at 66kV Substation, Karanprayag, Kothiyalsain and Joshimath.	0.24	0.24
42.	Erection of 250kVA, 33/0.4kV station transformer at 132kV Substation, Simli	0.11	0.11
43.	Replacement of 110 Battery Set and Battery Charger at 132 kV substation Purkul Dehradun	0.22	0.22
44.	Supply & Erection for replacement of old 110 Volt 300 AH lead acid Battery Set and cell's of 110 Volt,300AH VRLA battery bank at 132 kV Substation Bindal under 220 kV O&M Industrial Division Jhajhra.	0.24	0.24
45.	Work of replacement of old 132 kV Circuit Breaker (782) & old 33 kV VCB Circuit Breaker (1&4) at 132 kV Substation Bindal.	0.39	0.39
46.	Work of supply and Erection and Commissioning of 1 Nos. -33/.415 kV substation Transformer including civil work complete accessories at 220Kv Sub station Jhajhra Dehradun	0.29	0.29
47.	Supply delivery and commissioning of Online Transformer oil Dry Out system (SS Static Model)-As per specifications sheet and type test reports at 132 kV Substation Majra Dehradun.	0.11	0.10
48.	Supply, installation, testing & commissioning of automatic fire hydrant system with pump house and water storage system at 132 kV S/s Rudrapur	0.58	0.58
49.	Work of procurement and replacement of 145 kV & 33 kV CVTs/PTs/CTs at 132 kV S/s Kashipur	0.58	0.58
50.	Turfing work of switch yard at 132 kV S/s Kichha	0.58	0.58
51.	Protecting of tower legs of various 220 kV, 132 kV & 66 kV Lines emanating from 220/132kV S/s Roorkee	0.57	0.57
52.	Supply and Installation of Bus Bar Protection at 400 kV S/s Kashipur for newly under construction bays	0.57	0.57
53.	Construction of Road and Footpath at 220/132 kV S/s Ramnagar, Roorkee	0.53	0.53
54.	Construction of Pile foundation at tower location no. 48 C of 132 kV Bazpur-Haldwani line	0.43	0.43
55.	Raising of boundary wall and providing of concertina coil fencing work on boundary wall at 132 kV Majra, Dehradun	0.31	0.31
56.	Providing and installation of Bird Flight Diverter on 400KV Roorkee-Muzzafarnagar and 400KV Rishikesh-Nehtaur Transmission Line	0.28	0.00
57.	Providing and installation of Electric Fencing in 400 kV & 220 kV Switch yard at 400 kV S/s Rishikesh	0.27	0.27
58.	Construction of Zonal Accounts office (Garhwal Zone) at 26 Civil Line, Roorkee	0.27	0.27
59.	Replacement of old 33 kV VCB Circuit Breaker at 132 kV S/s Majra, Dehradun	0.26	0.26
60.	Supply, Erection Testing & Commissioning of 1 no. 220 Volt 400 Ah Battery Bank Set with its related works at 400 kV S/s Rishikesh	0.25	0.25

Table 4.22: Works carried out under Other Schemes

S. No.	Particulars	FY 2023-24 (Rs. Crore)	
		Claimed by PTCUL	Approved
61.	work of strengthening of 220 Volt 500 AH Battery Set (VRLA) at 220 kV Substation Jhahra Dehradun	0.24	0.24
62.	ERS work of making protection wall (civil work) at tower foundation at tower no.-05 & Tower no.-14 of 132 kV Piran Kaliyar-Bhagwanpur/Chudiyala D/C Line	0.20	0.20
63.	ERS work for Procurement & Erection of 36 kV VCB outdoor type for 132 kV S/s Bhagwanpur	0.20	0.20
64.	Replacement of defective DCDB after providing of new DCDB & associated work at 220KV S/s under 220KV O&M Division Rishikesh	0.18	0.18
65.	ERS work of Providing & Fixing of Master Trip Relay and Trip Circuit Supervision Relay at 220KV Substation, Pirankaliyar (Imlikhera)	0.16	0.16
66.	Supply work against Emergency work for replacement of existing defective 48 volt battery bank and charger with new battery bank & charger at SCADA, Rishikesh	0.16	0.16
67.	Supply and erection of batteries and it's accessories	0.15	0.00
68.	Procurement, Erection, Testing & Commissioning Battery Charger for 220 Volt 400 Ah tubular Battery Bank at 400 kV S/s Rishikesh	0.15	0.15
69.	Construction of 90 mtr. X 3.75 mtr. CC road from substation to colony in the premises of 132 kV S/s ELDECO Sitarganj	0.14	0.14
70.	Supply and installation of MS SP fire extinguishers with unique and automatic discharge mechanism at 220 kV S/s IIP Harrawala	0.11	0.11
71.	Work of strengthening of AC LT and 132 kV Substation Majra	0.11	0.11
72.	Supply & Installation of AFFF foam based as well as water mist & CAFS type fire extinguishers at 220 kV GIS S/s IIP Harrawala	0.10	0.10
73.	Construction of Chain Link Security Fencing at Divisional Store of 220 kV O&M Division Rishikesh	0.10	0.10
74.	Work of Extension of 33 kV Jack Bus and Associated work at 33 kV Switch Yard under 220KV O&M Division Rishikesh.	0.08	0.08
75.	Work for providing, fixing and installation of Indoor and Outdoor Distribution panels and cabling work to provide 400 Amp 415 V4 pole MCCB supply in outside area near transformer for doing various works at 220 kV GIS S/s IIP Harrawala	0.08	0.08
76.	Work for making a tubewell for filling of water storage pond of mulsifire and hydrant system at 400KV S/S Rishikesh	0.07	0.07
77.	Procurement of 110V/ 30 Amp. Float charger + 110 V 40 AMP, Float Cum boost charger with inbuilt DCDB at 132 kV IDPL S/s Rishikesh	0.04	0.04
78.	Control & Relay Panel	0.64	0.00
79.	Commissioning of Solar Power Plant installed at roof of Head Quarter Building, Dehradun	0.48	0.00
80.	Supply, Erection & Commissioning of 110 Volts, 500 AH lead acid Tubular LM Type Battery Set at 220 kV S/s under 220 kV O&M Division, Rishikesh	0.16	0.00
81.	Construction of store shed at 132 kV Substation, Kichha under 220 kV O&M Division, PTCUL, Pantnagar	0.14	0.00
82.	Supply and erection of 250 kV 33/0.415kV, 3 Phase transformer and associated work at 132 kV S/s Kichha	0.11	0.00
	Total	25.33	22.10
83.	Other Schemes (SLDC)	1.643	0.407
	Grand Total	26.98	22.50

4.3.11.2 Deposit works

The Petitioner has claimed the capitalisation of Rs. 37.83 Crore for the works carried out from Deposit. The details are shown in the Table below:

Table 4.23: Capitalisation claimed for Deposit Schemes FY 2023-24 (Rs. Crore)

Project	Year of first-time capitalisation	Amount
Deposit works	FY 2023-24	37.83

4.3.11.2.1 *Electrification of 220KV Jafarpur Rudrapur railway line*

The Investment approval of Rs. 13.99 Crore for the project “*Electrification of 220KV Jafarpur Rudrapur railway line.*” was accorded vide internal approval dated 05.09.2021. The LoA for the said work was issued on 01.04.2022. During the TVS, the Commission asked the Petitioner to submit the reason for claiming Rs. 19.97 Crore in F-9A while the contract value was amended to Rs. 9.89 Crore from Rs. 5.21 Crore due to quantity variation and also the revised value of the work was Rs. 9.89 Crore. In reply, the Petitioner vide letter dated February, 07, 2025 submitted that the contract value was amended to Rs. 9.89 Crore from Rs. 5.21 Crore due to quantity variation. Cost of Land & Crop compensation of Rs. 9.47 Crore is not included in contract agreement but the same was to be borne by M/s IRCON at actual, total land & crop compensation as calculated by revenue department up to year 2023 was Rs. 9.47 Crore. The difference in executed cost is mainly due to quantity variation, difference in rates and variation in quantity of procurement (which were procured as per site conditions) through open tender invited by Corporation.

Compensation cost was increased due to increase in circle rates of land and cost of trees. The tentative value of total compensation considered in estimate prepared in the year-2021 was Rs. 5.79 Crore but after revised survey due to increase in corridor area (line length increased from 8.2 kms to 10.131 kms), circle rates, cost of trees etc. the cost of compensation in year-2023 came out to Rs. 9.47 Crore this cost is included in Form F-9A format. Detail break-up of Rs. 19.97 Crore is:

- i. Contract Value of Rs.9.89 Core
- ii. Compensation of Rs.9.47 Crore
- iii. Supply Price Variation (with GST) is Rs. 0.5039 Crore
- iv. Overhead is Rs. 0.0782 Crore
- v. Contingency is Rs. 0.0199 Crore.

Further, the Petitioner submits the, Rs. 0.5039 Crore is towards Supply Price variation, as submitted under Form F-9.5.

Considering the submissions of the Petitioner and as the above work is claimed under the deposit works head, the Commission has considered the Rs. 19.97 Crore and approved the capitalisation of Rs. 19.97 Crore towards “*Electrification of 220KV Jafarpur Rudrapur railway line*” during FY 2023-24.

4.3.11.2.2 Construction of 132 kV Switching S/s at M/s Gold Plus Premises, Landhora

The Investment approval of Rs. 4.51 Crore for the project “Construction of 132 kV Switching S/s at M/s Gold Plus Premises, Landhora” was accorded vide internal approval dated 29.09.2018. LoA for the said work was issued on 23.07.2022. During the TVS, the Commission asked the Petitioner the reason for the variations for the executed cost being higher than the LOA value along with the supporting documents. In reply, the Petitioner vide letter dated February 07, 2025 submitted that the reasons for variations as mentioned below:

1. The Quantity of Current Transformer increased by 03 No. as per on-site detailed engineering.
2. Civil work of foundation of equipment and gantry increased as per site condition.
3. Galvanized structure quantity increased (from 5 MT to 26.66 MT).
4. 02 No. CVT transferred from Gold Plus bay at 132 kV S/S Manglore were defective, so CVT was provided by PTCUL, which caused variation in executed cost.
5. As per site conditions quantity of various miscellaneous items increased which caused increase in executed cost.

Keeping in view the above work is claimed under the deposit works head, the Commission has considered the Rs. 4.51 Crore and approved the capitalisation of Rs. 4.51 Crore towards “Construction of 132 kV Switching S/s at M/s Gold Plus Premises, Landhora” during FY 2023-24.

4.3.11.2.3 Construction of 01 No. 220 kV Line Bay at 220 kV S/s Jafarpur for 220 kV Jafarpur-Rudrapur Railway Line

The Investment approval of Rs. 4.28 Crore for the project “Construction of 01 No. 220 kV Line Bay at 220 kV S/s Jafarpur for 220 kV Jafarpur-Rudrapur Railway Line” was accorded vide internal approval dated 08.09.2021. The LoA for the said work was issued on 01.04.2022. During the TVS, the Commission asked the Petitioner the reason for the variations for the actual cost being lower than the LOA value along with the supporting documents. In reply, the Petitioner vide letter dated February 07, 2025 submitted that the actual capitalisation value is Rs. 1.24 Crore the difference amount of Rs. 0.9039 Crore capitalised in FY 2023-24 pertaining to other projects has been decapitalised in FY 2024-25. Accordingly, it is submitted that the Commission may consider the

actual capitalisation Rs. 1.24 Crore.

Keeping in view the above work is claimed under the deposit works head, the Commission has considered the Rs. 1.24 Crore and approved the capitalisation of Rs. 1.24 Crore towards “Construction of 01 No. 220 kV Line Bay at 220 kV S/s Jafarpur for 220 kV Jafarpur-Rudrapur Railway Line” during FY 2023-24.

4.3.11.2.4 *Re-alignment & height extension of 132 kV Chilla-Nazibabad line at location no. 33 & 34 for 4-laining/strengthening work of NH-74 (Haridwar-Nagina section)*

The Investment approval of Rs. 1.37 Crore for the project “Re-alignment & height extension of 132 kV Chilla-Nazibabad line at location no. 33 & 34 for 4-laining/strengthening work of NH-74 (Haridwar-Nagina section)” was accorded vide internal approval dated 26.09.2017. LoA for the said work was issued on 04.03.2020. During the TVS, the Commission asked the Petitioner to submit the reason for the claiming as part of capitalisation as the date of capitalisation is of 18.05.2022 which lies in the FY 2022-23 and also to submit the copy of the time extension letter no. 404/SE(C&P-II)/PTCUL/TL-02-2019-20 dated 03-06-2023. In reply, the Petitioner submitted the details of the Project work got completed on 18.05.2022, however, the stock reconciliation with contractor could not be finalized and was under process and completion certificate was issued on 02.02.2024 after the stock reconciliation was finalized. Due to the above the capitalisation was done in the F.Y. 2023-24. The completion certificate has been issued on 02.02.2024. Copy of the extension letter was also submitted by the Petitioner.

Considering the submissions of the Petitioner and as the above work is claimed under the deposit works, the Commission has considered Rs. 1.37 Crore and approved the capitalisation of Rs. 1.37 Crore towards “Re-alignment & height extension of 132 kV Chilla-Nazibabad line at location no. 33 & 34 for 4-laining/strengthening work of NH-74 (Haridwar-Nagina section)” during FY 2023-24.

4.3.11.2.5 *Supply, Erection and Testing & Commissioning (including Civil Works) of 1 no. Additional 40 MVA, 132/33 kV Transformer its associated 132 kV (HV) and 33 kV (LV) bays at 132 kV S/s ELDECO Sitarganj*

The Investment approval of Rs. 9.66 Crore for the project “Supply, Erection and Testing & Commissioning (including Civil Works) of 1 no. Additional 40 MVA, 132/33 kV Transformer its associated 132 kV (HV) and 33 kV (LV) bays at 132 kV S/s ELDECO Sitarganj” was accorded vide internal

approval dated 29.05.2020. The LoA for the said work was issued on 27.08.2021. During the TVS, the Commission asked the Petitioner to submit the reason for claiming the said work in F-9.8 while it seems to be the deposit work.

In reply, the Petitioner vide letter dated February, 07, 2025 submitted that the work is of Deposit head, but PTCUL needs O&M charges for maintenance, so it is taken in F-9.8. This work was completed on 21.02.2023. This work is submitted first time for capitalisation. Payment is still pending under this work which will be submitted further in future for capitalisation.

The Commission directs the Petitioner to submit firm values for the Scheme Project Cost with all the supporting computations at one instance and refrain from revising the submissions and creating confusion time and again till the last opportunity available.

Keeping in view the above work is claimed under the deposit works head, the Commission has considered Rs. 8.37 Crore and approved the capitalisation of Rs. 8.37 Crore towards *“Supply, Erection and Testing & Commissioning (including Civil Works) of 1 no. Additional 40 MVA, 132/33 kV Transformer its associated 132 kV (HV) and 33 kV (LV) bays at 132 kV S/s ELDECO Sitarganj”* during FY 2023-24.

The Petitioner has claimed some of the deposits works that are *“Shifting of Tower no. 154 of 132 kV Rishikesh-Srinagar Transmission Line”, “Shifting of 220 kV IIP-Rishikesh transmission line on lattice structure tower near Laltappar”, “Interchanging of BP 1st & NTT 1st feeders in separate bus bar section at 220 kV S/e Chamba”, and “Construction of 2 No. 33 kV Foolchaur & Footkuan bay at 220 kV S/s Haldwani”* in form 9.8. The Commission vide letter no. UERC/7/747/ Petition No. 11 of 2025/1557 dated 21.02.2025 asked the Petitioner the reason for claiming the above deposit works under Form 9.8 and not in Form 9A.

In reply, the Petitioner vide letter dated March 06, 2025, has submitted the work *“Shifting of 220 kV IIP-Rishikesh transmission line on lattice structure tower near Laltappar”* was executed under the deposit scheme as per BRO's request. As per previous practice Form F-9.5 were not submitted for the Deposit works in the past. The scheme *“Shifting of Tower no. 154 of 132 kV Rishikesh-Srinagar Transmission Line” Interchanging of BP 1st & NTT 1st feeders in separate bus bar section at 220 kV S/e Chamba”, and “Construction of 2 No. 33 kV Foolchaur & Footkuan bay at 220 kV S/s Haldwani”* are being capitalised for the first time. The details of the scheme is submitted that, this project may be considered as a fresh capitalisation under Form F-9A and not additional capitalisation.

Keeping in view the above works are claimed under the deposit works head, the Commission has considered the Rs. 0.44 Crore, Rs. 1.08 Crore, Rs. 0.04 Crore and Rs. 0.01 Crore respectively and approved the capitalisation of total Rs. 1.57 Crore towards “Shifting of Tower no. 154 of 132 kV Rishikesh-Srinagar Transmission Line”, “Shifting of 220 kV IIP-Rishikesh transmission line on lattice structure tower near Laltappar”, “Interchanging of BP 1st & NTT 1st feeders in separate bus bar section at 220 kV S/e Chamba”, and “Construction of 2 No. 33 kV Foolchaur & Footkuan bay at 220 kV S/s Haldwani” during FY 2023-24.

Accordingly, the details of capitalisation approved by the Commission towards Deposit Works for FY 2023-24:

Table 4.24: Capitalisation approved for Deposit Works in FY 2023-24 (Rs. Crore)

Sl. No.	Work	Claimed	Approved in the FY 2023-24
1.	Electrification of 220 kV Jafarpur Rudrapur railway line	19.97	19.97
2.	Construction of 132 kV Switching S/s at M/s Gold Plus Premises, Landhora	4.51	4.51
3.	Construction of 01 No. 220 kV Line Bay at 220KV S/s Jafarpur for 220KV Jafarpur-Rudrapur Railway Line	2.04	1.24
4.	Re-alignment & height extension of 132 kV Chilla-Nazibabad line at location no. 33 & 34 for 4-lining/strengthening work of NH-74 (Haridwar-Nagina section)	1.37	1.37
5.	Supply, Erection and Testing & Commissioning (including Civil Works) of 1 no. Additional 40 MVA, 132/33 kV Transformer its associated 132 kV (HV) and 33 kV (LV) bays at 132 kV S/s ELDECO Sitarganj	8.37	8.37
6.	Shifting of Tower no. 154 of 132 kV Rishikesh-Srinagar Transmission Line	0.44	0.44
7.	Shifting of 220 kV IIP-Rishikesh transmission line on lattice structure tower near Laltappar	1.08	1.08
8.	Interchanging of BP 1st & NTT 1st feeders in separate bus bar section at 220 kV S/e Chamba	0.04	0.04
9.	Construction of 2 No. 33 kV Foolchaur & Footkuan bay at 220 kV S/s Haldwani	0.01	0.01
	TOTAL	37.83	37.03

4.3.12 Disallowed capitalisation in the Final True Up of FY 2016-17, 2019-20, FY 2020-21, FY 2021-22 and FY 2022-23

The Commission in the final true up of FY 2026-17, FY 2019-20, FY 2020-21, FY 2021-22 and FY 2022-23 had disallowed some additional capitalisation based on the prudence check of the Petitioner's submissions. The Petitioner has submitted the capitalisation of Rs. 93.83 Crore towards the same, in True-Up of FY 2023-24 and requested the Commission to allow the same. The details of

the capitalisation claimed is as under:

Table 4.25: Disallowed capitalisation previous years

Sr. No.	Name of the Scheme	Capitalisation Submitted in Petition (Rs. Crore)	Capitalisation approved as per Tariff Order (Rs. Crore)	Amount claimed in this Petition (Rs. Crore)
FY 2016-17				
1	REC (I&III) 132 kV D/c Srinagar-Simli Line	122.15	64.69	57.46
2	132 kV S/s Simli	13.07	12.71	0.36
3	REC (II) LILO 132 kV Rishikesh-Srinagar Line at 132 kV Substation Srinagar II	1.52	0.97	0.55
4	REC (II) LILO 132 kV Pithoragarh – Almora Line at 220 kV Pithoragarh (PGCIL) Substation	2.79	-	2.79
5	REC (IV) LILO 220 kV Dehradun Line at 220 kV Khodri-Rishikesh Line.	2.88	-	2.88
6	REC (XII) LILO 220 kV D/c twin Zebra line from 400 kV S/s PGCIL Dehradun to 220 kV S/s PTCUL Dehradun	11.62	10.24	1.38
7	REC (IV) 132 kV Dhalipur-Purkul LILO line for Dehradun.	3.71	3.46	0.25
8	REC (IV) 132 kV Kulhal-Mazra LILO line at Dehradun.	3.35	3.1	0.25
9	REC (SI) Installation of 220/33 kV 50 MVA transformer and construction of 3 no. 33 kV bay at 220 kV SIDCUL S/s Haridwar.	0.17	-	0.17
	Sub-Total	161.26	95.17	66.09
FY 2019-20 to FY 2021-22				
1	IDC disallowance in 132 kV S/C Ranikhet- Bageshwar Line for project delay.	1.98	-	1.98
2	IDC disallowance in Stringent of second circuit of 132 kV D/c Satpuli- Kotdwar Transmission Line for project delay	0.09	-	0.09
3	IDC disallowance in construction of 220 / 33 kV Substation in Jhaffarpur for project delay	0.9	-	0.9
4	Disallowance of capitalisation for bay at 220 / 33 kV S/s Jhajra from 2*40 MVA to 2*80 MVA along with associated accessories	0.43	-	0.43
5	Supply erection and testing & commissioning of 01 no. 40 MVA transformer, 01 no. 132 kVA, & 33 kV transformer bay at 132 kV S/s Jashodharpur Kotdwar (Pauri Garhwal)	5.84	5.7	0.14
7	Const. of approach road for control room and residential building at 132 kV S/s Ranikhet	0.47	0.43	0.04
8	LILO of 200 kV S/C Roshnabad (Haridwar) – Puhana line at 220/33 kV substation Piran Kaliyar	0.32	0.18	0.14
9	Supply, erection, testing and commissioning of 01 no. 40 MVA transformer at 132 kV S/s Kichha	3.96	3.37	0.59
10	Construction of 220 kV Pirankaliyar–Puhana (PGCIL) Line	12.78	11.14	1.64
11	Construction of boundary & protection wall at 220 kV GIS S/s Baram (Jauljibi) Pithoragarh	3.01	-	3.01
12	Construction of 1 no. Type -IV, 4 no. Type-III, & 10 no. Type-II residence & development works and construction of development of terrace, protection wall, CC road, drain& water supply main for colony at 220 kV GIS S/s Baram	5.24	-	5.24
	Sub-Total	35.02	20.82	14.2
FY 2022-23				
1.	REC-II: OPGW connectivity in PTCUL under Phase II of the ULDC Projects	6.07	5.99	0.08
2.	REC VI: 220/33 kV Substation at Piran Kaliyar	1.45	0	1.45
3.	REC VIII: 220 kV D/C line on Twin Zebra Conductor from Lakhwar to Dehradun & it's LILO at Vyasi	137.42	132.94	4.48
4.	REC 10760: Supply Erection and Testing & Commissioning of 40 MVA 132/33 kV Transformer and 132 kV and 33 kV Transformer Bay at 132 kV S/s Laksar	0.65	0.12	0.53
5.	RCRM 9025: Const. of 132 kV S/C Overhead Line from 220 kV	0.95	0.9	0.05

Table 4.25: Disallowed capitalisation previous years

Sr. No.	Name of the Scheme	Capitalisation Submitted in Petition (Rs. Crore)	Capitalisation approved as per Tariff Order (Rs. Crore)	Amount claimed in this Petition (Rs. Crore)
	S/s SIDCUL Haridwar to 132 kV S/s Jwalapur & Const. of 132 kV Bay(s) at both ends for 132 kV Overhead line from 220 kV Substation SIDCUL Haridwar to 132 kV S/s Jwalapur"			
6.	REC 10148: Implementation of Intra-state ABT metering scheme for onlining of ABT meters to be installed at interface points for energy accounting and transmission level emergency auditing under PTCUL, Dehradun	13.26	10.25	3.01
7.	System Improvement Works			
	· REC	0.32	0	0.32
	· PFC	73.01	69.43	3.58
	Supply and Installation of 01 no 160 MVA T/F and its associated 220 kV HV side & 132 kV LV side bay at 400 kV S/s Kashipur	18.24	17.76	
	Const. of 132/33 kV S/s Padartha (Patanjali), Haridwar	29.76	28	
	132 kV Chila-Nazibabad LILO Line at 132 kV Substation, Padartha (Including Construction of Well foundation at various location of LILO of 132 kV Chilla-Nazibabad line at Ganga River near village Sajampur Pili, Haridwar)	22.61	21.69	
	Construction of 220/33 kV S/s Jafarpur	0.76	0.76	
	LILO of 220 kV Kashipur-Pantnagar line at proposed 220 kV S/s Jafarpur	0.06	0.06	
	Construction of 132/33 kV GIS S/s at Bageshwar	0.46	0.46	
	Supply Erection and Testing & Commissioning of 40 MVA 132/kV Transformer & 132 kV & 33 kV Transformer Bay at 132 kV S/s Bindal	0.61	0.2	
	Supply Erection & Testing & Commissioning of 01 no. 40 MV Transformer 01 no 132 kV & 33 kV Transformer Bay at 132 kV S/s Jashodharpur Kotdwar (Pauri Garhwal)	0.5	0.5	
	Const. of 01 no. 132 kV Bay and extensions of bus for 132 kV Bazpur Ckt-2 Transmission Line at 400 kV Substation Kashipur*	0.00*	0	
8.	Other	9.09	9.05	0.04
	Sub-Total	242.22	228.68	13.54
	Total previous year capitalisation disallowed			93.83

With regard to the submissions by the Petitioner made against the disallowance, the Commission observes that PTCUL in the Present Petition has reiterated the facts as stated in the earlier Petitions. Further, the Commission also observes that the reasons for delay reiterated by PTCUL for certain schemes where the capitalisation was disallowed are partially controllable and partially uncontrollable in nature. Further, PTCUL has not been able to provide any substantial evidence to prove that the delay was uncontrollable in nature. It is further observed that based on the documents provided by PTCUL in support of its claim and the submissions made by PTCUL, the Commission has already decided the capitalisation for the said schemes. Therefore, the Commission is not inclined to revisit the capitalisation disallowed for the schemes in the Final True Up of FY 2019-20, FY 2020-21 FY 2021-22, and FY 2022-23.

4.4 De-capitalisation during FY 2023-24

The Petitioner has claimed the De-Capitalisation of amount Rs. 86.28 Crore in FY 2023-24. The Commission has asked the Petitioner to submit the details of asset of Rs. 86.28 Crore along with the Year of Capitalisation of the de-capitalised asset, asset class-wise bifurcation of de-capitalised asset and Year in which such assets were capitalised. It was observed that the Petitioner vide letter dated January 01, 2025, submitted the details of de-capitalised asset without mentioning the reason for the de-capitalisation.

The Commission again asked the Petitioner to submit the details along with the reason for de-capitalisation of asset. The Petitioner vide letter dated March 06, 2025, submitted the details of the de-capitalisation along with the reason for de-capitalisation.

It is observed that the Petitioner has submitted the details of the Rs. 86.32 Crore of the assets out of which the assets of amount Rs. 85.22 Crore are capitalised in books of accounts by the Petitioner, which were not approved by the Commission in the respective years of capitalisation. As the Commission has not considered the capitalisation of Rs. 85.22 Crore previously hence these assets are not considered for de-capitalisation. Accordingly, the Commission has considered the amounted capitalisation of Rs. 1.11 Crore out of Rs. 86.32 which was capitalised in previous years 4.

4.5 Gross Fixed Assets Including Additional Capitalisation

Based on the above, the GFA considered by the Commission for FY 2023-24 is shown in the Table given below:

Table 4.26: Revised GFA approved by the Commission for FY 2023-24 (Rs. Crore)

S. No.	Particulars	Approved in MYT Order dated dt. 31.03.2022	Approved in Tariff Order dt. 30.03.2023	Claimed for True Up	Approved
1	Opening value	2219.10	2075.32	2186.73	2092.90
2	Claim against Disallowances of Previous Tariff Orders	0.00	0.00	93.83	0.00
3	Addition				
	REC-II	271.38	27.23	1.12	0.00
	REC VII			89.53	0.00
	REC VIII			11.24	11.24
	System Improvement Works				
	REC			17.62	17.43
	PFC			7.74	7.74
	Deposit Work			37.83	37.03
	Others/Internal Resource			28.51	22.50
	Total addition during the year	271.38	27.23	192.46	95.94
4	Less: Deletions during the year	0.00	0.00	86.32	1.11
5	Net Addition	271.38	27.23	106.14	94.84
	Closing value	2490.48	2102.55	2303.77	2187.74

4.6 Annual Transmission Charges

Regulation 57 of the UERC Tariff Regulations, 2021 specifies as follows:

“57. Annual Transmission Charges for each financial year of the Control Period

The Annual Transmission Charges for each financial year of the Control Period shall provide for recovery of the Aggregate Revenue Requirement of the Transmission Licensee for the respective financial year of the Control Period, as reduced by the amount of non-tariff income, income from Other Business and short-term open access charges, as approved by the Commission and shall be computed in the following manner:

Aggregate Revenue Requirement, is the sum of:

- (a) Operation and maintenance expenses;*
 - (b) Lease Charges;*
 - (c) Interest and Finance Charges on Loan Capital;*
 - (d) Return on equity capital;*
 - (e) Income-tax;*
 - (f) Depreciation;*
 - (g) Interest on working capital and deposits from Transmission System Users; and*
Annual Transmission Charges of Transmission Licensee = Aggregate Revenue Requirement, as above;
- minus:***
- (h) Non-Tariff Income;*
 - (i) Short-Term Open Access Charges; and*
 - (j) Income from Other Business to the extent specified in these Regulations:*
- ...”*

4.6.1 O&M expenses

O&M expenses comprises of Employee Expenses, A&G Expenses and R&M Expenses, i.e. expenses on staff, administration and repairs & maintenance etc. For estimating the O&M expenses for the Control Period, Regulation 62 of UERC Tariff Regulations, 2021 specifies as follows:

“(1) The O&M expenses for the first year of the Control Period will be approved by the Commission taking into account the actual O&M expenses for last five years till Base Year subject to prudence check and any other factors considered appropriate by the Commission.

(2) The O&M expenses for the n th year and also for the year immediately preceding the Control Period, i.e. 2017-18, shall be approved based on the formula given below:-

$$O\&M_n = R\&M_n + EMP_n + A\&G_n$$

Where –

- $O\&M_n$ – Operation and Maintenance expense for the n th year;
- EMP_n – Employee Costs for the n th year;
- $R\&M_n$ – Repair and Maintenance Costs for the n th year;
- $A\&G_n$ – Administrative and General Costs for the n th year;

(3) The above components shall be computed in the manner specified below:

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

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

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

Where –

- EMP_{n-1} – Employee Costs for the $(n-1)$ th year;
- $A\&G_{n-1}$ – Administrative and General Costs for the $(n-1)$ th year;
- Provision: Cost for initiatives or other one-time expenses as proposed by the Transmission Licensee and approved by the Commission after prudence check.
- “K” is a constant specified by the Commission in %. Value of K for each year of the control period shall be determined by the Commission in the MYT Tariff order based on Transmission Licensee’s filing, benchmarking of repair and maintenance expenses, approved repair and maintenance expenses vis-à-vis GFA approved by the Commission in past and any other factor considered appropriate by the Commission;
- $CPI_{inflation}$ – is the average increase in the Consumer Price Index (CPI) for immediately preceding three years;
- $WPI_{inflation}$ – is the average increase in the Wholesale Price Index (CPI) for immediately preceding three years;
- GFA_{n-1} - Gross Fixed Asset of the Transmission Licensee for the $n-1$ th year;
- G_n is a growth factor for the n th year and it can be greater than or less than zero based on the actual performance. Value of G_n shall be determined by the Commission in the MYT tariff order for meeting the additional manpower requirement based on Transmission Licensee’s filings, benchmarking and any other factor that the Commission feels appropriate;

Provided that repair and maintenance expenses determined shall be utilised towards repair and maintenance works only."

4.6.1.1 Employee expenses

The Commission had approved the normative employee expenses of Rs. 122.44 Crore in the Tariff Order dated March 30, 2023 for FY 2023-24. As against the same, the Petitioner has claimed the normative employee expenses of Rs. 134.13 Crore in the final true up of FY 2023-24.

The Commission directed the Petitioner to submit the reason for variation of normative employee expense approved in Tariff Order for FY 2023-24 and the normative employee expense claimed by the Petitioner. In response, the Petitioner submitted that the claimed normative employee expense is in line with the UERC MYT Regulations. The gross employee expense for the FY 2023-24 have been computed by escalating the EMPn-1 with the growth rate and average CPI Inflation for the last three years. In line with the Regulations of the Commission, the Petitioner has worked out the normative employee expenses for FY 2023-24 as per the methodology adopted by the Commission in the previous True-up Order and the UERC Tariff Regulations 2021. Accordingly, the Normative Employee Expense amounting to Rs. 134.13 Crore is claimed in the true up of FY 2023-24 without sharing of gains and losses, however, the same has been claimed to the tune of Rs. 131.38 Crore after sharing of gains and losses.

The Commission finds that while the Petitioner has been submitting ambitious recruitment plans at the time of projections, however, in actual, the actual recruitments have been consistently lower and number of employees retiring is outpacing the number of employees being recruited resulting in the number of employees reducing year on year till FY 2017-18. In financial year 2018-19, 2019-20, 2020-21, 2021-22, 2022-23 and 2023-24, the number of employees has increased but in lower case in comparison to the Petitioner's ambitious recruitment plan. The Commission finds that this is not a healthy position on account of (1) the posts becoming vacant due to the retiring employees not being filled up and (2) the adequate number of employees is not maintained for construction and operation of the new assets created. The Petitioner is expected to maintain the adequate number of employees for its sustained operations.

The Petitioner has considered EMPn-1 as Rs. 150.97 Crore for the computation of employee expenses as approved by the Commission for FY 2022-23. The Commission has worked out the normative employee expenses for FY 2023-24 considering the EMPn-1 as Rs. 150.97 Crore as

approved during FY 2022-23 in accordance with the UERC Tariff Regulations, 2021.

With regard to capitalisation rate, the Commission observed that the Petitioner has considered the capitalisation rate of 14.99% for computing the employee expenses capitalised during FY 2023-24 based on the Employee expenses charged to Profit & Loss account for FY 2023-24 and transferred to CWIP. The Commission has adopted the same methodology as followed in the previous tariff orders for the computation of capitalisation rate of employee expenses. The capitalisation rate works out to 14.99% against the claim of 14.46% of the Petitioner. The variation in the Capitalisation Rate is on account of Petitioner having considered the Actual Employee Expenses during FY 2023-24 as Gross Employee Expenses whereas Commission has considered Gross Employee Expenses as the sum of Employee Expenses recorded in Annual Account and Employee Expenses Capitalised less Performance Incentive.

With this approach the revised normative employee expenses approved by the Commission for FY 2023-24 works out to be Rs. 133.31Crore.

Table 4.27: Normative Employee expenses approved for FY 2023-24 (Rs. Crore)

Particulars	FY 2023-24		
	Approved in Order dated 31.03.2022	Claimed for True Up	Approved
EMPn-1	151.48	150.97	150.97
Gn	3.68%	-1.46%	-1.46%
CPIinflation	5.89%	5.40%	5.40%
EMPn = (EMPn-1) x (1+Gn) x (1+CPIinflation)	166.32	156.80	156.81
Capitalisation rate	26.38%	14.46%	14.99%
Capitalised employee expenses	43.87	22.67	23.50
Total employee expenses	122.44	134.13	133.31

Further, the actual employee expenses charged to P&L statement as per the audited accounts for FY 2023-24 are Rs. 138.07 Crore. The actual employee expenses for FY 2023-24 are towards the UITP projects and the non-UITP projects. As the UITP projects are not regulated by the Commission, such expenses towards the UITP projects cannot be considered for sharing of gains and losses on account of variation in normative and actual expenses. The Petitioner submitted vide letter dated March 06, 2025, that the actual employee expense attributable to UITP projects is Rs. 2.43 Crore. Therefore, the actual employee expense for non-UITP projects works out to Rs. 135.64 Crore.

In line with the approach adopted in the final true up of FY 2021-22 and FY 2022-23, the Commission has computed the impact of advance increment allowed in FY 2015-16 for FY 2023-24

as Rs. 1.36 Crore. In accordance with the approach adopted in the true up of previous years, the impact of advance increment works out to Rs. 1.36 Crore is excluded from the actual employee expenses. Further, Performance Incentive of Rs. 3.28 Crore is excluded from actual employee expenses for FY 2023-24.

As mentioned in the above para, the Commission has computed the impact of advance increment allowed in FY 2015-16 for FY 2023-24 as Rs. 1.36 Crore. Hence, after apportionment of the advance increment between UITP and Non-UITP projects, the expenses pertaining to Non-UITP projects works out to be Rs. 1.34 Crore. Further, the Commission has apportioned the Performance Incentive between UITP and Non-UITP projects, the expenses pertaining to Non-UITP projects works out to be Rs. 3.23 Crore. Accordingly, the actual employee expenses pertaining to non-UITP projects works out to Rs. 135.64 Crore. Accordingly, the Commission has considered the actual employee expenses of Rs. 131.08 Crore for sharing of gains and losses after deducting the impact of advance increment and Performance Incentive from the actual employee expenses pertaining to non-UITP projects.

The employee expenses approved by the Commission for FY 2023-24 are shown in the Table given below:

Table 4.28: Employee expenses approved for FY 2023-24 (Rs. Crore)

Particulars	Approved in the Tariff Order dt. 31.03.2022	Normative		Actual	
		Claimed by PTCUL	Approved	Claimed by PTCUL	For Sharing
Employee expenses	122.44	134.13	133.31	135.64	131.08

As the employee expenses are controllable in nature, the Commission has carried out sharing of gains in accordance with UERC Tariff Regulations, 2021 as elaborated below in Para 3.8 of this Order.

4.6.1.2 R&M expenses

The Commission had approved the normative R&M expenses of Rs. 46.56 Crore in the Tariff Order dated March 30, 2023 for FY 2023-24. As against the same, the Petitioner has claimed the normative R&M expenses of Rs. 50.26 Crore.

The Commission for truing up of FY 2023-24 has considered the K factor as 2.13%, the same as approved in the MYT Order dated March 31, 2022 and has reworked the normative R&M

expenses considering the closing GFA of FY 2022-23 as the opening GFA of FY 2023-24. The Commission has considered the inflation factor as 7.90%, as the average of WPI inflation for the preceding three years of FY 2023-24. The normative R&M expenses worked out by the Commission comes to Rs. 48.10 Crore.

The actual R&M expenses as per the audited accounts for FY 2023-24 are Rs. 57.88 Crore. The actual R&M expenses for FY 2023-24 are towards the UITP projects and the non-UITP projects. As the UITP projects are not regulated by the Commission, such expenses towards the UITP projects cannot be considered for sharing of gains and losses on account of variation in normative and actual expenses. The Petitioner submitted that the actual R&M expenses attributable to UITP projects are Rs. 2.01 Crore. Therefore, the actual R&M expenses for non-UITP projects work out to Rs. 55.87 Crore.

Further, as mentioned under the capitalisation section, the Petitioner has claimed the capitalisation of Rs. 1.24 Crore towards Furniture & Fixtures and Office Equipment. The Commission is of the view that these expenses are towards minor assets and are to be considered as part of R&M expenses. Hence, the same has not been allowed as capitalisation during FY 2023-24 and added to actual R&M expenses during FY 2023-24.

The R&M expenses approved by the Commission for FY 2023-24 is shown in the Table below:

Table 4.29: R&M expenses approved for FY 2023-24 (Rs. Crore)

Particulars	Approved in the Tariff Order 31.03.2022	Normative		Actual	
		Claimed by PTCUL	Approved	Claimed by PTCUL	For Sharing
R&M expenses	46.56	50.26	48.10	55.87	57.10

As R&M expenses are controllable in nature, the Commission has carried out sharing of losses in accordance with UERC Tariff Regulations, 2021 as elaborated in Para 3.9 of this Order.

4.6.1.3 A&G expenses

The Commission had approved the normative A&G expenses of Rs. 28.24 Crore in the Tariff Order dated March 30, 2023 for FY 2023-24. As against the same, the Petitioner has claimed the normative A&G expenses of Rs. 33.21 Crore.

The Commission, in its Tariff Order dated February 27, 2019, April 18, 2020, April 26, 2021, March 31, 2022, March 30, 2023 and March 28, 2024 had considered the expenses towards the

security personnel and increase in Licensee Fee being of uncontrollable nature as the said expenses towards security personnel have been increasing substantially in the recent years and, accordingly, had allowed the same at actuals. The Commission has adopted the same methodology in the present proceedings for true-up for FY 2023-24. The Commission had considered WPI inflation as 7.90% which is the average of WPI Inflation for the preceding three years of FY 2023-24. The Commission has escalated the revised approved gross normative A&G expenses by the inflation factor of 7.90%.

With regard to capitalisation rate, the Commission has determined the capitalisation rate for FY 2023-24 for PTCUL after reducing the expenses towards Security Expenses, CSR, and License fee. Further, the Commission has approved the actual Licensee Fee and security expenses, pertaining to Non-UITP scheme, incurred in FY 2023-24 in addition to the normative A&G expenses. The normative A&G expenses, thus, works out to Rs. 31.76 Crore.

The actual A&G expenses as per the audited accounts for FY 2023-24 are Rs. 41.15 Crore. The actual A&G expenses for FY 2023-24 are towards the UITP projects and the non-UITP projects. As the UITP projects are not regulated by the Commission, such expenses towards the UITP projects cannot be considered for sharing of gains and losses on account of variation in normative and actual expenses. The Petitioner submitted that the actual A&G expense attributable to UITP projects is Rs. 0.70 Crore. Hence, the actual A&G expense attributable to non-UITP projects is Rs. 40.45 Crore. Further, the Commission observes that the actual A&G expenses for FY 2023-24 are inclusive of the amount of Rs. 0.97 Crore towards the CSR activities and Rs. 0.07 Crore towards Donation. The expenses towards the CSR expenses and Donation should be met from own resources/profits of the company and, hence, CSR expenses & Donation corresponding to Non-UITP projects amounting to Rs. 1.02 Crore is reduced from the actual A&G expenses for the purpose of sharing of gains and losses. Accordingly, the Commission has considered the actual A&G expenses of Rs. 39.38 Crore for sharing of gains and losses.

The A&G expenses approved by the Commission for FY 2023-24 are shown in the Table below:

Table 4.30: A&G expenses approved for FY 2023-24 (Rs. Crore)

Particulars	Approved in the Tariff Order dt. 31.03.2022	Normative		Actual	
		Claimed by PTCUL	Approved	Claimed by PTCUL	For sharing
A&G expenses	28.24	33.21	31.76	40.45	39.38

As A&G expenses are controllable in nature, the Commission has carried out sharing of

losses in accordance with UERC Tariff Regulations, 2021 as elaborated in Para 3.9 of this Order.

4.6.1.4 O&M expenses

Based on the above, the O&M expenses approved by the Commission for FY 2023-24 upon truing up are as shown in the Table given below:

Table 4.31: O&M expenses approved for FY 2023-24 (Rs. Crore)

S. No.	Particulars	Approved in the Tariff Order dt. 31.03.2022	Normative		Actual	
			Claimed by PTCUL	Approved	Claimed by PTCUL	For sharing
1.	Employee expenses	122.44	134.13	133.31	135.64	131.08
2.	R&M expenses	46.56	50.26	48.10	55.87	57.10
3.	A&G expenses	28.24	33.21	31.76	40.45	39.38
	Total	197.23	217.61	213.17	231.96	227.57

The normative O&M expenses approved by the Commission in the true up are in variation in comparison to the normative O&M expenses approved in the MYT Tariff Order on account of variation in reduction in Gn factor of employees and variation in capitalisation rate of employee expenses and A&G expenses in comparison to that considered in MYT Tariff Order dated March 31, 2022.

4.6.2 Interest and Finance Charges

Regulation 27 of the UERC Tariff Regulations, 2021 specifies as follows:

“(1) The Loans arrived at in the manner indicated in Regulation 24 shall be considered as gross normative Loan for calculation of interest on Loan.

(2) The normative Loan outstanding as on 1.4.2022 shall be worked out by deducting the cumulative repayment as admitted by the Commission up to 31.3.2022 from the approved gross normative Loan.

(3) The repayment for each year of the Control Period shall be deemed to be equal to the depreciation allowed for that year.

...

(5) The rate of interest shall be the weighted average rate of interest calculated on the basis of the actual Loan portfolio of the previous year after providing appropriate accounting adjustment for interest capitalised:

...

(6) The interest on Loan shall be calculated on the normative average Loan of the year by applying the weighted average rate of interest.

..."

The Commission had approved the interest expenses of Rs. 48.55 Crore in the Tariff Order dated March 30, 2023 for FY 2023-24. As against the same, the Petitioner has claimed the interest expenses of Rs. 49.09 Crore in the final true up of FY 2023-24. The Petitioner has considered the closing Loan balance approved in true up of FY 2022-23 as the opening Loan balance for FY 2023-24. The Petitioner submitted that the Loan addition during the year has been considered as per scheme wise means of finance and the actual GFA addition. The Petitioner submitted that the depreciation for the year has been considered as the normative repayment for the year. The Petitioner submitted that the actual weighted average interest rate of 9.64% has been considered for computing the interest expenses.

The Commission has considered the approved closing normative Loan for FY 2022-23 as the opening normative Loan for FY 2023-24. The Commission has worked out the Interest Charges considering the Loan amount corresponding to the assets capitalised in FY 2023-24 based on the approved means of finance. The repayment of Loans has been considered as equivalent to the depreciation worked out by the Commission on the approved GFA for FY 2023-24. The Commission directed the Petitioner to submit the details of the long-term borrowing for FY 2023-24 along with the actual interest charges separately for UITP and non-UITP projects. The Petitioner in its response has submitted the same. The actual weighted average interest rate works out to 9.64% based on the long terms borrowings and corresponding interest pertaining to Non-UITP projects.

The interest expense approved by the Commission for FY 2023-24 is as shown in the Table given below:

Table 4.32: Interest expenses approved for FY 2023-24 (Rs. Crore)

Particulars	Approved in the Tariff Order dt. 31.03.2022	Claimed by PTCUL	Approved
Opening Loan balance	462.68	540.19	474.51
Normative Loan Addition on account of capitalisation disallowed in Previous Tariff Orders allowed during FY 2022-23 True Up	-	-	-
Drawl during the year	4.52	53.20	41.24
Repayment during the year	93.83	115.18	97.89
Closing Loan balance	373.37	478.22	417.86
Interest Rate	11.61%	9.64%	9.64%
Interest	48.55	49.09	43.80

4.6.3 Return on Equity

Regulation 26 of the UERC Tariff Regulations, 2021 specifies as follows:

“(1) Return on equity shall be computed on the equity base determined in accordance with Regulation 24.

Provided that, Return on Equity shall be allowed on amount of allowed equity capital for the assets put to use at the commencement of each financial year.

(2) Return on equity shall be computed on at the base rate of 15.5% for thermal generating stations, transmission licensee SLDC and...”

The Commission had approved the Return on Equity of Rs. 53.59 Crore in the Tariff Order dated March 30, 2023 for FY 2023-24. As against the same, the Petitioner has claimed the Return on Equity for FY 2023-24 as Rs. 75.61 Crore including Return on Equity invested from PDF. The Petitioner has claimed Return on Equity on the average of opening equity and closing equity at the rate of 15.50%.

The Petitioner has submitted that the issue of allowing ROE on equity amount provided by Government of Uttarakhand through Power Development Fund, has been raised in previous tariff petitions to the Commission. However, the same was disallowed by the Commission in its Tariff Orders. The Petitioner has been claiming Return on Equity on funds deployed by GoU out of PDF fund since 2004 but the same has not been considered by the Commission while issuing the Tariff Orders in the previous years. In its MYT Petition for the Control Period FY 2013-14 to FY 2015-16, the Petitioner had sought final truing up from FY 2004-05 to FY 2010-11 based on the audited accounts for the respective years. The Commission was requested to provide the Return on Equity-on-equity amount contributed by Government of Uttarakhand, which included amount contributed through PDF. However, the Commission continued not allowing equity on the fund contributed out of PDF.

The Petitioner referred to the APTEL judgement in R.P. No. 2 of 2015 in Appeal No. 163 of 2015 in matter of Bhilangana III-Ghansali Line and submitted that the APTEL had laid down principles relating to allowance of RoE, which are equally applicable to the issue under consideration. The relevant extract of the said judgement is reproduced below:

“9... ii) Furthermore, as per the PDF Act, Cess referred to as ‘Duty’ are the funds collected by the

Government for the purpose of the Act on the saleable energy generated from the existing and notified generating Hydro Power Plants of the generating company of the State of Uttarakhand which have been in Commercial operation for over ten years. It is pertinent to note, that the investment made in the project of the Appellant by GoU is not automatically provided for under the Act. The proceeds of the duty collected under the Act are credited to the Consolidated Fund of the State Government. As per the act, these funds remain under the control of the State Government and are utilized by the State Government in carrying out its functions or in the administration of the Act and / or any fund provided by the State Government for development of Hydro Power Projects, development of electricity evacuation System and extension of Transmission System etc. by the State Government or its agency. Therefore, the funds are utilized for Development of Hydro Power Projects in the State Sector, Development of electricity evacuation system and extension of Transmission System etc. and any other purpose which the State Government notifies in the official Gazette from time to time

iii) Without prejudice, it is submitted that the amount credited in the said fund is from different sources as provided in section 6(2) above out of which funds collected as duty under section 3 are first credited to the consolidated fund of the State Government and the State Government may if the state assembly by appropriation so provides credit so proceeds to the fund after certain deduction as provided in the section 4 of the Act and further section 5 of the Act provides that the State Government after appropriation by State Assembly credit by way of grant, or Loans such sum as Government may considered necessarily hence, the fund may comprises of proceeds under section 4 or section 5 or the sums realized by government in out its function or in administration of the Act or the funds the State Government may provide for evacuation of electricity system and extension of transmission system, the duty collected under section 3 is only a part of the fund and all the sum in said fund is not recovered necessarily from the consumers further, as the duty collected is credited to state consolidated fund any deposit of the duty collected from the consumer would necessarily loose its character as a sum recovered from the consumer. Moreover, section 6(c) is independent of section 6(a) so all the funds for developing transmission would necessarily be credited to PDF fund but that does not imply that the same are under section 6(a). PTCUL is funded by GoU as its owner. PTCUL is entitled to RoE on its equity share capital under the regulation 20 of UERC (Terms & Conditions of Transmission Tariff) Regulation, 2004. The Regulation does not provide for any exemption in awarding RoE on the source of funding by the State Government."

It is submitted that the principles laid down in the said judgement by APTEL were general and cannot be confined only to relate a particular matter. The APTEL in the said order has

categorically held that if the amount has been invested by GoU as equity then the RoE has to be allowed as per the Regulations of the State Commission. The Additional Secretary vide Letter No 337/I(2)/2011-04-(01)/84/2008 dated February 11, 2011 conveyed the directions of the Government of Uttarakhand to the Commission that the amount contributed by the Government from PDF fund is from the Consolidated fund of the state. Accordingly, the Petitioner requested the Commission to consider the amount as equity and allow the Return on Equity on the said amount.

The Petitioner submitted that in light above submissions, no specific directions were required for applying the law of land or the principles determined by the APTEL. Accordingly, the Commission should consider the same independently as per the clarity given by the APTEL regarding grant of RoE in RP No. 02 of 2015 in Appeal No. 163 of 2015 while considering retrospective effects for previous years as well.

The Commission has not been allowing Return on Equity on funds deployed by the GoU out of PDF fund for reasons recorded in the previous Tariff Orders. The Hon'ble APTEL vide its Judgement dated 19.07.2024 in the matter of UJVNL (in Appeal no 215 of 2016, Appeal no 283 of 2016 and Appeal no 139 of 2018) has allowed RoE on equity invested from Power Development Fund as below:

"37. We hold and clarify that RoE has to be computed on any investment made by the State Government in a power project as equity/share capital (not as Loan or grant) irrespective of source from which the investment has been drawn. Accordingly, the Commission has erred in denying RoE to the appellant on the sum of Rs. 341.39 crores invested by the State Government in its power project as share capital from Power Development Fund. The Commission shall now do the needful at the earliest and preferably within two months from the date of this order.

38. Additionally, the appeal No.215/2016 is remanded back to the Commission for a fresh consideration on the claim of appellant regarding excess IDC and price variation component of capital cost for MB-II power project for the period last six months before the date of its commissioning. This exercise shall also be done by the Commission within two months from the date of this order after hearing the parties again."

As the principle of allowing the RoE on equity invested from PDF fund is same in case of UJVNL and PTCUL, the Commission has decided to allow the RoE on equity invested from PDF fund.

The Commission has computed RoE on equity invested from PDF based on approved capital cost of the schemes funded by PDF from FY 2004-05 to FY 2022-23 as per the respective Tariff Regulations, which was applicable for the respective financial years and has also considered the corresponding impact on Interest on Working Capital. The total impact from FY 2004-05 to FY 2022-23 works out to be Rs 235.69 Crore. The Commission has allowed the aforesaid amounts as per Hon'ble APTEL Judgment dated 19.07.2024, however, as the matter is sub-judice before Hon'ble Supreme Court of India, the same will remain subject to the decision of Hon'ble Supreme Court passed in the matter and any other distinctive issue that may arise for consideration later on.

The Commission observes that the impact of the above is substantial to be passed on to the consumer in a single financial year. Therefore, the Commission in accordance with Regulation 35 of Tariff Regulations, 2021 has decided to liquidate the said amount in three years i.e., by 2027-28:

"35. Regulatory Asset

In case of abnormal variation in income or expenses resulting in substantial revenue gap, full recovery of which in a single year is not feasible, the Commission may allow creation of Regulatory Asset as per guidelines provided in clause 8.2.2 of the Tariff Policy and suitably provide for its recovery through tariff or as a surcharge within a period not exceeding seven years. Amortisation of the regulatory asset so created shall be dealt in accordance with the Tariff Policy, provided that the Commission may allow a carrying cost on Regulatory Asset at such rates as the Commission may deem fit."

The Commission has decided to liquidate the asset in three years and has considered the impact of Rs 78.56 Crore each in FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

From FY 2023-24 onwards, the Commission has considered the total eligible equity funded through the PDF in past years as part of opening equity for allowing the Return on Equity. Further, the Commission has allowed the Return on Equity on the opening equity base at the rate of 15.50%. The Return on Equity approved by the Commission for FY 2023-24 is as shown in the Table given below:

Table 4.33: Return on Equity approved for FY 2023-24 (Rs. Crore)

Particulars	Approved in the Tariff Order dated 31.03.2022	Claimed by PTCUL	Approved
Opening Equity	441.94	476.43	448.28
Normative Equity Addition on account of capitalisation disallowed in Previous Tariff Orders allowed during FY 2023-24 True Up			
Addition during the year	1.94	22.80	17.67
Closing Equity	550.68	499.23	465.95
Eligible Equity for Return (including Equity funding through PDF)	345.72	487.83	448.28
Rate of Return on Equity	15.50%	15.50%	15.50%
Return on Equity	53.59	75.61	69.48

With regard to RoE on the opening equity, it is to be noted that the Commission vide its Tariff Order dated March 31, 2022 had already approved RoE on Equity portion of Opening Capital Reserve of an amount of Rs. 78.99 Crore till FY 2020-21 from FY 2004-05. The opening capital reserve for FY 2023-24 is considered same as the closing capital reserve of FY 2022-23. Hence, 30% of net unfunded assets/capital reserve has been considered by the Commission as equity eligible for return purposes for the respective year. In line with the Tariff Order dated March 31, 2022, the RoE on Opening Equity approved by the Commission for FY 2023-24 is shown in the Table given below:

Table 4.34: RoE on Opening Equity approved for FY 2023-24 (Rs. Crore)

Particulars	Opening unfunded assets/Capital Reserve	Deduction	Closing unfunded assets/Capital Reserve	Equity portion of opening unfunded assets/Capital Reserve	Rate of RoE	RoE
RoE on Opening Equity	78.63	0.00	78.63	23.59	15.50%	3.66

Based on the above discussion, the allowable Return on Equity works out to Rs. 73.14 Crore (Rs. 69.48 Crore *plus* Rs. 3.66 Crore) for FY 2023-24.

4.6.4 Depreciation

Regulation 28 of the UERC Tariff Regulations, 2021 specifies as follows:

“(1) The value base for the purpose of depreciation shall be the capital cost of the asset admitted by the Commission.

Provided that the depreciation shall not be allowed on assets funded through Consumer Contribution and Capital Subsidies/Grants.

(2) The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up

to maximum of 90% of the capital cost of the asset.

...

(4) Depreciation shall be calculated annually based on Straight Line Method and at rates specified in Appendix - II to these Regulations.

Provided that, the remaining depreciable value as on 31st March of the year closing after a period of 12 years from date of commercial operation shall be spread over the balance useful life of the assets.

(5) Depreciation shall be chargeable from the first year of commercial operation. In case of commercial operation of the asset for part of the year, depreciation shall be charged on pro rata basis..."

The Commission had approved the depreciation of Rs. 93.83 Crore in the Tariff Order dated March 30, 2023 for FY 2023-24. As against the same, the Petitioner has claimed depreciation of Rs. 115.18 Crore for true up of FY 2023-24.

The Commission has considered the closing GFA approved in the true up for FY 2022-23 as the opening GFA for FY 2023-24. The Commission has approved the asset class wise GFA by proportionately allocating the approved addition to GFA in FY 2023-24 in the same proportion as in the audited accounts for FY 2023-24 excluding additional capitalisation pertaining to UITP schemes. The Commission has approved the depreciation for FY 2023-24 by applying the depreciation rates specified in the UERC Tariff Regulations, 2021. The Commission has deducted the depreciation on assets created out of grants/deposits by applying the weighted average rate of depreciation for FY 2023-24. Accordingly, the depreciation approved by the Commission for FY 2023-24 is shown in the Table given below:

Table 4.35: Depreciation approved for FY 2023-24 (Rs. Crore)

Particulars	Approved in the Tariff Order	Claimed by PTCUL	Approved
Depreciation	93.83	115.18	97.89

4.6.5 Income Tax

Regulation 34 of the UERC Tariff Regulations, 2021 specifies as follows:

"34. Tax on Income

Income Tax, if any, on the income stream of the regulated business of Generating Companies, Transmission Licensees, Distribution Licensees and SLDC shall be reimbursed to the Generating

Companies, Transmission Licensees, Distribution Licensees and SLDC as per actual income tax paid, based on the documentary evidence submitted at the time of truing up of each year of the Control Period, subject to the prudence check”

The Petitioner has claimed income tax of Rs. 25.32 Crore for FY 2023-24. In line with the approach followed in past Orders by the Commission, the Petitioner has claimed the actual income tax as per Audited Accounts, adjusted for revenue which is not claimed under ARR.

The Commission observed that the current tax for FY 2023-24 is amounting to Rs. 24.44 Crore as per audited annual accounts for FY 2023-24 and the Petitioner has considered the entire income tax which is not the correct approach as the income of the Petitioner includes income from regulated as well as non-regulated business.

As per Regulations 34 of the UERC Tariff Regulations, 2021, Income Tax is to be considered as per actuals, based on the documentary evidence submitted at the time of truing up of each year of the Control Period, subject to prudence check. Accordingly, the Commission has considered the actual income tax of the Petitioner.

The Commission observed from the audited annual accounts for FY 2023-24 that the total revenue is amounting to Rs. 572.24 Crore, comprising of revenue from operations for FY 2023-24 amounting to Rs. 520.59 Crore and Other incomes of Rs. 51.62 Crore. The Commission has considered the revenue of Rs. 1.20 Crore from Natural ISTS Transmission line for FY 2023-24 which has been reduced and accordingly, total revenue works out to Rs. 571.04 Crore. Further, the total revenue includes revenue of Rs. 42.26 Crore from 400 kV Srinagar S/s & Lines, Rs. 97.49 Crore 220 kV Srinagar-Baramwari Line which are towards UITP schemes and revenue from BHPL of Rs. 0.58 Crore. The proportionate income tax of Rs. 6.01 Crore pertaining to revenue billed from UITP schemes and BHPL needs to be reduced while allowing the Income Tax for FY 2023-24. Accordingly, the Commission has approved the income tax of Rs. 18.43 Crore for FY 2023-24.

4.6.6 Interest on Working Capital

The Commission had approved the Interest on Working Capital of Rs. 11.86 Crore in the Tariff Order dated March 30, 2023 for FY 2023-24. As against the same, the Petitioner has claimed the normative Interest on Working Capital of Rs. 15.42 Crore in the final true up of FY 2023-24.

The Commission has determined the normative interest on working capital for FY 2023-24 in

accordance with the UERC Tariff Regulations, 2021.

4.6.6.1 One Month O&M expenses

The annual O&M expenses approved by the Commission are Rs. 217.96 Crore for FY 2023-24. Based on the approved O&M expenses, one month's O&M expenses works out to Rs. 18.16 Crore for FY 2023-24.

4.6.6.2 Maintenance Spares

The Commission has considered the maintenance spares as 15% of O&M expenses in accordance with UERC Tariff Regulations, 2021, which work out to Rs. 32.69 Crore for FY 2023-24.

4.6.6.3 Receivables

The Commission has approved the receivables for two months based on the approved ATC of Rs. 397.62 Crore for FY 2023-24, which works out to Rs. 66.39 Crore for FY 2023-24.

Based on the above, the total working capital requirement of the Petitioner for FY 2023-24 works out to Rs. 117.25 Crore. The Commission has considered the rate of interest on working capital as 11.30% equal to State Bank Advance Rate (SBAR) of State Bank of India as on the date of first time filing of the Tariff Petition of FY 2023-24 Tariff Determination and, accordingly, the interest on working capital works out to Rs. 13.25 Crore for FY 2023-24. The interest on working capital for FY 2023-24 approved by the Commission is as shown in the Table below:

Table 4.36: Interest on working capital approved for FY 2023-24 (Rs. Crore)

Particulars	Tariff Order dated 30.03.2023	Claimed by PTCUL	Approved
O&M expenses for 1 month	16.44	18.28	18.16
Maintenance Spares	29.59	32.90	32.69
Receivables for 2 months	59.04	76.66	66.39
Working Capital	105.06	127.84	117.25
Rate of Interest on Working Capital	11.29%	12.06%	11.30%
Interest on Working Capital	11.86	15.42	13.25

The actual interest on working capital as per audited accounts for FY 2023-24 is Nil. As interest on working capital is controllable in nature, the Commission has carried out sharing of gains in accordance with UERC Tariff Regulations, 2021 as elaborated in Para 3.9 of this Order.

4.6.7 Pending recovery of 220 kV D/C Bhilangana-III Ghansali line

The Commission in its Order dated October 17, 2023, in Petition No. 30 of 2023 has concluded that dedicated transmission line is not to be constructed by Transmission licensee and there is no need to separately determined the annual transmission charges of 220 kV D/C Bhilangana-III Ghansali line. PTCUL submitted that after issuance of Commission's Order dated 17.10.2023, M/s Bhilangana made the payment for ATC approved for this line for FY 2023-24 only till 16 October 2023, hence, the balance amount of Rs. 0.70 Crore pertaining to ATC of this line for FY 2023-24 is to be allowed in the true up of FY 2023-24. Accordingly, the Commission has allowed the balance ATC recovery of Rs. 0.70 Core as a part of true up for FY 2023-24.

4.6.8 Non-Tariff Income

The Commission had approved the non-tariff Income of Rs. 15.00 Crore in the Tariff Order dated March 30, 2023 for FY 2023-24. As against the same, the Petitioner has claimed the non-tariff Income of Rs. 15 Crore in the final true up of FY 2023-24. The Commission observes that the actual 'other income' as per the audited accounts is Rs. 67.59 Crore for FY 2023-24 and the Petitioner has not considered the 'other income' pertaining to namely (1) Interest on Investments in FDR (Rs. 26.03 Crore), (2) Interest on TDRs through sweep accounts (Rs. 7.43 Crore), (3) Profit on sale of land (Rs. 1.01 Crore), etc. Regulation 63(2) of the UERC Tariff Regulations, 2021 stipulates that the interest earned from investments made out of Return on Equity corresponding to the regulated business of the transmission licensee shall not be included in the non-tariff income. Based on the methodology adopted in previous True Up Orders, the Commission has considered the actual Interest Income from FDRs and Interest on TDRs through sweep accounts amounting to Rs. 33.46 Crore as Non-Tariff income. Further, the Commission has also considered Recoveries for transport facilities, Income from system study, Income from sale of Tree, Plant, Profit on sale of land, O&M charges from PGCIL for bays at 400 kV S/s Kashipur, etc. amounting to Rs. 1.97 Crore as Non-Tariff income. Accordingly, the Commission approves the Non-Tariff income amounting to Rs. 39.44 Crore.

4.6.9 Revenue from Short Term Open Access

The Petitioner has claimed the revenue from Short Term Open Access as Rs. 3.86 Crore for FY 2023-24.

The Commission cross checked and observed that the revenue from Short and Medium Term

Open Access pertaining to PTCUL is Rs. 3.86 Crore as per audited books of accounts for FY 2023-24 which includes the revenue from Short Term Open Access Charges of Rs. 3.86 Crore and NIL Income pertaining to Medium Term Open Access. Since, all the other income of SLDC like short term open access charges, registration charges, scheduling and operating charges, etc. are to be deposited into LDCC fund for the purpose as specified in Regulation 98 of UERC Tariff Regulations, 2021, the same has not been considered as part of revenue from short term open access. Accordingly, the Commission has considered revenue of Rs. 3.86 Crore and deducted the same from the ARR of the Petitioner in accordance with the UERC Tariff Regulations, 2021.

4.6.10 Revenue from Natural ISTS Lines

The Petitioner has claimed Rs. 1.20 Crore as the revenue from Natural ISTS Lines for FY 2023-24. The Commission observed that as per Note 25 of audited annual accounts for FY 2023-24, Revenue against Natural ISTS Transmission Lines is Rs. 1.20 Crore. Hence, the Commission has approved the revenue from Natural ISTS Lines of Rs. 1.20 Crore for FY 2023-24.

4.7 Transmission Availability Factor Incentive

The recovery of Annual Transmission Charges for the Transmission Licensee is linked to the Normative Transmission Availability Factor as specified in the UERC Tariff Regulations, 2021. The actual Transmission Availability Factor for FY 2023-24 was 99.70%. Regulation 65 of the UERC Tariff Regulations, 2021 specifies the methodology of billing of Transmission Charges by the Transmission Licensee.

From the audited accounts for FY 2023-24, the Commission observed that the Petitioner has received an incentive of Rs. 4.17 Crore on account of higher Transmission Availability Factor for FY 2023-24. As per UERC Tariff Regulations, 2021, the variation in performance parameters is a controllable factor and the gain on efficiency in performance parameters is to be shared with the consumers. Accordingly, the Commission has considered the sharing of the amount of Rs. 4.17 Crore in accordance with the UERC Tariff Regulations, 2018.

4.8 Sharing of gains and losses

Regulation 12 of the UERC Tariff Regulations, 2021 specifies as follows:

"12. Annual Performance Review

...

(5) (5) The “uncontrollable factors” shall include such of the factors which are beyond the control of, the applicant, as determined by the Commission. Some examples of uncontrollable factors are as follows:

...

c) Economy wide influences such as unforeseen changes in inflation rate, market interest rates, taxes and statutory levies;

...

(6) Some illustrative variations or expected variations in the performance of the applicant which may be attributed by the Commission to controllable factors shall include, but shall not be limited to, the following:

...

f) Variations in working capital requirements;

...

j) Variation in operation & maintenance expenses

...

(10) Upon completion of the Annual Performance Review, the Commission shall pass on an order recording-

a) The approved aggregate gain or loss to the Applicant on account of uncontrollable factors and the mechanism by which the Applicant shall pass through such gains or losses in accordance with Regulation 13;

b) The approved aggregate gain or loss to the Applicant on account of controllable factors and sharing of such gains or such losses that may be shared in accordance with Regulation 14;

c) The approved modifications to the forecast of the Applicant for the current and/or ensuing year, if any;

The surplus/deficit determined by the Commission in accordance with these Regulations on account of truing up of the ARR of Applicant shall be carried forward to the ensuing financial year, alongwith carrying cost at the rate of interest applicable for the year of the tariff period, determined in accordance with the Regulation 33 of these Regulations.”

Regulation 13 of the UERC Tariff Regulations, 2021 specifies as under:

“13. Sharing of Gains and Losses on account of Uncontrollable factors

- (3) *The approved aggregate gain or loss to the Applicant on account of uncontrollable factors shall be allowed as an adjustment in the tariff/charges of the Applicant over such period as may be specified in the Order of the Commission;*

..."

Regulation 14 of the UERC Tariff Regulations, 2021 specifies as follows:

"14. Sharing of Gains and Losses on account of Controllable factors

- (1) *The approved aggregate gain and loss to the Applicant on account of controllable factors shall be dealt with in the following manner:*

- a) *1/3rd of such gain or loss shall be passed on as a rebate or allowed to be recovered in tariffs over such period as may be specified in the Order of the Commission;*
b) *The balance amount of such gain or loss may be utilized or absorbed by the Applicant."*

Hence, in accordance with UERC Tariff Regulations, 2021, the O&M expenses, Interest on Working Capital and gain on efficiency in performance parameters (i.e., Availability) are controllable factors and any gain or loss on account of the controllable factors is to be dealt in accordance with the provisions of Regulation 14.

The sharing of gains and losses on account of controllable factors approved by the Commission for FY 2023-24 is as shown in the Table given below:

Table 4.37: Sharing of gains and losses on account of controllable factors approved by the Commission for FY 2023-24 (Rs. Crore)

Particulars	Actual	Trued up (Normative)	Aggregate Gain/(Loss)	Rebate in Tariff/ (Recovery through Tariff)	Entitlement of the Petitioner
	A	B	C=B-A	D=1/3 x C	E=B-D
O&M expenses	227.56	213.17	-14.39	-4.80	217.96
Interest on Working Capital	0.00	13.25	13.25	4.42	8.83
Gain on Efficiency in Performance Parameter (Availability)	0.00	4.17	4.17	1.39	2.78

4.9 Aggregate Revenue Requirement

Based on the computation of various components of ARR in the section above, the Commission has worked out the Trued-Up ARR for PTCUL for FY 2023-24. Further, the Commission has not trued-up the SLDC charges separately and it has been carried out as a part of overall true-up of PTCUL.

Based on the above, the Aggregate Revenue Requirement approved by the Commission for FY 2023-24 is as shown in the Table given below:

Table 4.38: Aggregate Revenue Requirement approved for FY 2023-24 (Rs. Crore)

Particulars	Approved in Tariff Order dated 30.03.2023	Claimed for True Up	Approved
O&M expenses	197.23	219.36	217.96
Interest on Loan	48.55	49.09	43.80
Return on Equity	53.59	75.61	73.14
Income tax		25.32	18.43
Depreciation	93.83	115.18	97.89
Interest on working capital	11.86	15.42	8.83
Aggregate Revenue Requirement	405.06	499.98	460.06
<i>Add:</i>			
True up of previous years	(16.54)	(16.54)	(16.54)
Balance amount to be recovered from Bhilangana			0.70
<i>Minus:</i>			
Non-Tariff Income	15.00	17.02	39.44
Revenue from STOA charges	2.57	3.86	3.86
Revenue from Natural ISTS Lines	1.20	1.20	1.20
Sharing of Availability incentive		1.39	1.39
Net ARR including SLDC Charges	369.75	459.97	398.33
<i>Minus: SLDC Charges</i>	<i>15.52</i>	<i>0.00</i>	<i>0.00</i>
Net ARR excluding SLDC Charges	354.23	459.96	398.33

4.10 Revenue gap/(surplus) for FY 2023-24

The revenue gap/(surplus) for FY 2023-24 after sharing of gains and losses is shown in the Table given below:

Table 4.39: Revenue gap/(surplus) for FY 2023-24 (Rs. Crore)

Particulars	Claimed by PTCUL	Approved
Trued up ATC after sharing of gains and losses*	459.96	398.33
ATC approved in the Tariff Order*	354.23	369.75
Revenue Gap/(Surplus)	105.73	28.58

**The ATC approved by the Commission is including SLDC Charges as true up of SLDC charges is not carried out separately*

Hence, the Commission has approved the revenue gap of Rs. 28.58 Crore as against the revenue gap of Rs. 105.73 Crore claimed by PTCUL.

4.11 Total revenue gap/surplus to be carried forward to FY 2025-26

The revenue gap to be adjusted in the ATC of FY 2025-26 including carrying cost is as shown in the Table below:

Table 4.40: Total revenue gap to be adjusted in FY 2025-26 approved by the Commission (Rs. Crore)

Particulars	FY 2023-24	FY 2024-25	FY 2025-26
Opening Gap/(Surplus)	0.00	30.19	33.83
Addition	28.58	0.00	-33.83
Closing Gap/(Surplus)	28.58	30.19	-
Interest Rate	11.30%	12.07%	12.07%
Carrying cost/(Holding cost)	1.61	3.64	2.04
Cumulative Gap/(Surplus)	30.19	33.83	35.87

5 Petitioner's Submissions, Commission's Analysis, Scrutiny & Conclusion on APR for FY 2024-25 and MYT for FY 2025-26 to FY 2027-28

5.1 Annual Performance Review

Regulation 12(1) of the UERC Tariff Regulations, 2021 specifies that under the MYT framework, the performance of the Transmission Licensee shall be subject to Annual Performance Review.

Regulation 12(3) of the UERC Tariff Regulations, 2021 specifies as under:

"The scope of Annual Performance Review shall be a comparison of the performance of the Applicant with the approved forecast of Aggregate Revenue Requirement and expected revenue from tariff and charges and shall comprise of the following:-

- a) A comparison of the audited performance of the applicant for the previous financial year with the approved forecast for such previous financial year and truing up of expenses and revenue subject to prudence check including pass through of impact of uncontrollable factors;*
- b) Categorisation of variations in performance with reference to approved forecast into factors within the control of the applicant (controllable factors) and those caused by factors beyond the control of the applicant (un-controllable factors);*
- c) Revision of estimates for the ensuing financial year, if required, based on audited financial results for the previous financial year;*
- d) Computation of sharing of gains and losses on account of controllable factors for the previous year."*

The Commission vide its MYT Order dated March 31, 2022 approved the MYT Petition of the Petitioner for the Fourth Control Period from FY 2022-23 to FY 2024-25 based on the audited accounts available till FY 2020-21. The Commission vide Tariff Order dated March 28, 2024 approved the ARR for FY 2024-25 based on audited accounts available till FY 2022-23. The Petitioner, in this Petition has submitted the truing up for FY 2023-24 based on the audited accounts for FY 2023-24 and proposed the revision of estimates for FY 2024-25. The Petitioner, based on the

final Truing up for FY 2023-24, also proposed the revenue gap for FY 2023-24 to be adjusted in FY 2025-26.

The Commission in this Tariff Order has carried out the Truing up for FY 2023-24 in accordance with UERC Tariff Regulations, 2021 as elaborated in the preceding Section. Further, in accordance with Regulation 12(3) of the UERC Tariff Regulations, 2021, the scope of annual performance review is limited to the revision of estimates for the ensuing year, if required, based on the audited financial results for the previous year and does not provide for the revision of estimates for the current year and give effect on this account in the estimates of the ensuing year. Hence, the Commission under the provisions of Regulation 12(3) of the UERC Tariff Regulations, 2021 has computed certain expenses for FY 2024-25 based on the revised GFA for FY 2023-24 and FY 2024-25.

5.2 Capitalisation for FY 2024-25

The Commission vide its Tariff Order dated March 28, 2024 had approved capitalisation of Rs. 237.01 Crore for FY 2024-25. As against the same, the Petitioner in the present Petition has proposed the revised capitalisation of Rs. 255.89 Crore for FY 2024-25. The Petitioner in the present Petition has submitted that the actual capitalisation during the period from April, 2024 to September 2024 is as Rs. 29.95 Crore. Details of the same are shown in the Table below:

Table 5.1: Actual capitalisation during April 2024 to September 2024 as submitted by PTCUL

Sl. No.	Name of the Scheme	Amount capitalised till Sep. 24 (Rs. Crore)
1	Work of Up-gradation of the D400 system at 220/132 kV Jhajra Dehradun	4.58
2	132 kV Bay at 132 kV Substation, Kashipur	2.89
3	Stringing of second circuit of 132 kV Kashipur (400)-Bazpur line	2.43
4	132 kV Bay at 132 kV Substation Laksar	1.04
5	Construction of 1 no. 132 kV bay & extension of 132 kV Bazpur 2 Ckm. Transmission line at 400 kV S/s Kashipur	1.41
6	Other projects (less than Rs. 1.00 Crores)	17.60
	Sub-Total	29.95

From the above tables, the Commission observed that for the other projects (less than Rs. 1.00 Crores) amounting to Rs. 17.60 Crore, details were not submitted by the Petitioner and hence the Commission asked the Petitioner to submit the same. The Petitioner vide its letter dated February 07, 2025 has submitted the details along with the Form 9.5.

During the TVS the Commission asked the Petitioner to submit the form 9.5 and work order of Work of Up- gradation of the D400 based system by G500 using the built-in-HMI of the G500 with Procurement and replacement of upgraded latest BCU's, GPS's and necessary spares at 220/132KV Substation, Jhajra Dehradun". The Petitioner vide letter dated February 07, 2025 submitted that the

"Work order of this scheme was submitted and the Form 9.5 shall be submitted to the UERC after completion of the work as per the Regulation."

The Commission observed that the Petitioner was negligent in filing the Petition as the work was not completed, yet the Petitioner had initially considered it capitalised in first half of FY 2024-25, later deviating from its own submission.

The Commission has considered the projects of Rs. 21.38 Crore based on the completion of the project and excluding the projects that are not under the scope of the Petitioner as submitted by it vide letter dated February 07, 2025.

The Petitioner in its Petition proposed the capitalisation of the following projects during the period from October 2024 to March 2025:

Table 5.2: Works Proposed to be Capitalised during October, 2024 to March, 2025 as submitted by PTCUL

Sl. No.	Name of the Scheme	Amount Proposed Capitalisation
1	220/33 kV GIS S/s at Baram (Jauljivi), Pithoragarh	100.5
2	220 kV D/C Tx line from interconnection point of Singoli-Bhatwari HEP to proposed 220 kV S/s Rudrapur (Baramwari)	32.08
3	132 kV S/C link line between 132 kV S/s Purkul and Bindal	19.65
4	Augmentation of Trans. Capacity by replacement of 220/33kV, 25 MVA T/F with 220/33 kV, 50 MVA Transformer and associated works at 220 kV S/s Chamba	19.65
5	Balance work of 220KV DC Line from 220KV GIS Baram substation	14.00
6	Construction of 220KV DC Line from Loc. No. 27 to 400 kV Substation PGCIL Jauljivi	18.00
7	Re-routing of line due to land slide from tower location no. AP 36 to AP 01 and shifting of tower no. 35 of 220 kV D/C line on twin zebra conductor from Lakhwar to Dehradun	9.82
8	LILLO of 220 kV Dhauliganga - Pithoragarh PGCIL line	6.50
9	132KV Hybrid Circuit Breaker for Transformer Bus at 132KV S/S Bhagwanpur	1.71
10	Repairing of 40 MVA 132/33 kV Transformer Alstom make at 132 kV s/s Roorkee	1.24
11	Other projects	2.79
	Total	225.94

From the above Table, the Commission observed that the projects amounting to Rs. 225.94 Crore are expected to be completed in second half of the FY 2024-25. With regard to schemes proposed to be capitalised during second half of FY 2024-25, the Commission vide its letter dated December 12, 2024 asked the Petitioner to submit the details of physical progress (in %) till date against the expected date of completion.

In response, PTCUL vide reply dated January 03, 2025 submitted the details of physical progress with respect to projects proposed to be capitalised in the second half of the FY 2024-25 wherein it was observed that both physical progress and financial progress for some of the schemes proposed to be capitalised in the second half of FY 2024-25 are NIL. During the TVS Session, the Petitioner agreed to re-assess the completion dates with respect to physical progress and submit the revised date of capitalisation along with the current statuses. The Petitioner in its reply dated February 07, 2025 submitted the revised expected date of completion of projects proposed to be capitalised during second half of FY 2024-25 and the same are tabulated below:

Table 5.3: Actual Physical Progress submitted by PTCUL

Sl. No.	Name of the Scheme	Physical Progress (%)	Financial Progress (%)	Estimated Cost (Rs. Crore)	Expected date of completion
1	Order for supply installation and integration of BCU's with existing SAS at 400KV Kashipur for newly under construction Bays	100	100	0.19	Oct-24
2	Order for supply of various Protection Relays of M/S GE T&D India Limited (Formerly Alstom T&D India Limited) make for 220KV S/s Mahuakheraganj	100	50	0.20	Nov-24
3	Order for "Testing & Commissioning of existing 400/220/132KV Bus Bar Protection scheme at 400KV S/s Kashipur	100	100	0.16	Oct-24
4	Procurement, Erection, Testing & Commissioning of New Distance Protection Relay on 220KV & above Feeders for main II protection system as per CEA guidelines at 220 kV S/s, Rishikesh & Chamba under T&C Division, Rishikesh	100	90	0.25	Nov-24
5	Procurement of Numerical Protection Relay Of M/s Schiender Electric make for Various Substation under T&C Division 220KV Rishikesh	100	100	0.25	Aug-24
6	Work of Procurement and installation of 132KV Hybrid Circuit Breaker for Transformer Bus at 132KV S/S Bhagwanpur	50	10	1.71	Apr-25
7	Supply of Circuit Breakers (CB) at 220KV Substation Piran Kaliyar	20	0	0.54	Oct-25
8	Supply of Current Transformers (CT) at 220KV Substation Piran Kaliyar and 132KV Substation	20	0	0.58	Mar-25

Table 5.3: Actual Physical Progress submitted by PTCUL

Sl. No.	Name of the Scheme	Physical Progress (%)	Financial Progress (%)	Estimated Cost (Rs. Crore)	Expected date of completion
	Bhagwanpur under 220KV(O&M) Division Piran Kaliyar				
9	Procurement, Erection, Testing & Commissioning of 220V, 500 AH Battery bank at 220KV Substation Piran Kaliyar (Imlikhera) on Emergency basis.	100	100	0.23	Sep-24
10	Work of repairing (refurbishment) of 1 no 40 MVA 132/33 kV Transformer Alstom make at 132 kV s/s Roorkee.	100	100	1.24	Nov-24
11	Construction of 220/33 kV GIS S/s at Baram (Jauljivi), Pithoragarh	98	77	100.5	Mar-25
12	Procurement of Bushing for the Different Transformers installed at all the Three Substation comes under the jurisdiction of 220 kV (O&M) Division Jhajhra.	NIL	NIL	0.20	31-07-2025
13	Procurement of 36 kV Vacuum Circuit Breaker at 132 kV S/s Majra	50	0	-	
14	Procurement of 145 kV Circuit Breaker for 132 kV Bus Section III at 132 kV S/s Majra	100	100	0.13	
15	Procurement of 120 kV Surge Arrester with surge counters for 132 kV Substation Majra	100	100	0.12	
16	Providing and Fixing of 132 kV Current Transformer for 40 MVA T/F-II at 132 kV S/s Majra	10	0	-	
17	Providing and Fixing of Remote Tap Changer Control Panel (RTCC) and Repairing of Marhalling Box of 40 MVA T/F at 132 kV Substation Majra	10	0	-	
18	Construction of one number 33kV Bay at 132kV Substation Bindal, Dehradun under(O&M) Division Yamuna Colony Dehradun	25	0	-	
19	Supply & Erection for replacement of old 110 Volt 300 AH lead acid Battery Set and Maintenance of chargers at 132kV Substation Bindal, Dehradun	100	100	-	
20	132 kV S/C link line between 132 kV S/s Purkul and Bindal	98	91	19.65	May-25
21	Work of making protection wall for safety of tower no. 93 of 400KV D/C Kashipur-Dhampur Line at 400KV Substation Kashipur.	100	80	0.36	Mar-25
22	Construction of new revetment wall at tower no. 100 132KV Kalagarh-Ramnagar line.	100	100	0.34	29-11-2024
23	Construction of Balance work of 220KV DC Line from 220KV GIS Baram substation to Loc. No. 26 (i.e. LILO of 220 kV DC Dhauliganga Pithoragarh PGCIL line at 220KV GIS Baram)	87	80	14.00	Mar-25
24	Construction of 220KV DC Line from Loc. No. 27	77	62	18.00	Mar-25

Table 5.3: Actual Physical Progress submitted by PTCUL

Sl. No.	Name of the Scheme	Physical Progress (%)	Financial Progress (%)	Estimated Cost (Rs. Crore)	Expected date of completion
	(i.e. LILO of 220 kV DC Dhauliganga Pithoragarh PGCIL line at 220KV GIS Baram) to 400 kV Substation PGCIL Jauljivi				
25	Supply, installation, testing and commissioning of automatic fire hydrant system with pump house and water storage system at 132KV S/s, Ranikhet under O&M Division, PTCUL, Almora Agr. No. CE(O&M)/PTCUL/HLD/ 12/2023-24 Dt- 05.03.2024	50	0	-	Feb-25
26	Supply and replacement of 33KV Circuit Breaker at 132KV S/s Almora, 132KV S/s Ranikhet and 132KV S/s Pithoragarh under O&M Division, PTCUL, Almora	25	0		Feb-25
27	Supply and replacement of 145KV CT and CVT at 132KV S/s Almora, 132 kV S/s Ranikhet and 132 kV S/s Pithoragarh under O&M Division PTCUL Almora	100	100		Dec-24
28	Strengthening and development of land to prevent soil erosion and associated work at 132KV S/s Bageshwar under O&M Division, PTCUL, Almora	85	0		Mar-25
29	Procurement of 145 kV & 33 kV Circuit breaker at 220 kV Sub-station SIDCUL, Haridwar	20	0		Oct-25
30	Procurement of 33 kV 10 MVAR Capacitor units for existing capacitor bank at 220 kV sub-station SIDCUL Haridwar	100	0	0.29	Jan-25
31	Work of avoid breakdown by replacement of carbonized parcelian disc insulator strings with antipollution free polymer strings of 132 kV SIDCUL Roorkee line	50	0	0.5	Mar-25
32	Work of avoid breakdown by replacement of carbonized parcelian disc insulator strings with antipollution free polymer strings of 132 kV Jwalapur Roorkee line	50	0	0.36	Mar-25
33	Supply and erection of Online transformer oil moisture removal system at various substation under O&M Kumaon Zone, Haldwani (28 Nos)	10 (Revised)	0	3.94	22-03-25
35	220 kV D/C Transmission line from interconnection point of Singoli Bhatwari HEP to proposed 220 kV substation Rudrapur (Baramwari)	95	88.5	32.08	Jun-25
36	Construction works of Re-routing of line due to land slide from tower location no. AP 36 to AP 01 and shifting of tower no. 35 of 220 kV D/C line on twin zebra conductor from Lakhwar to Dehradun and its LILO at Vyasi against LoA no. 38/SE (C&P-II)/PTCUL/Rerouting/2023-24 dt. 07.02.2024 ((2.005 km)	Foundation:06/06 Erection: 06/06 Stringing:1.020/2.005 Km Physical Progress:87%	72	9.82	20-03-25
37	Construction of 33 kV line bay at 132 kV S/s	100	85	0.29	Dec-24

Table 5.3: Actual Physical Progress submitted by PTCUL

Sl. No.	Name of the Scheme	Physical Progress (%)	Financial Progress (%)	Estimated Cost (Rs. Crore)	Expected date of completion
	ELDECO Sitarganj.				
38	Construction of 5 MVAR 33KV Capacitor Bank at 132KV S/s, ELDECO, Sitarganj under O&M Division, PTCUL, Sitarganj	100	95	0.28	Dec-24
39	Work of Up- gradation of the D400 based system by G500 using the built-in-HMI of the G500 with Procurement and replacement of upgraded latest BCU's, GPS's and necessary spares at 220/132KV Substation, Jhajra Dehradun	20	NIL	4.66	31.05.2025
40	Procurement of 245KV, 33KV CT and 33KV PT at 220KV Substation, Jhajra Dehradun under ERS	100	100	0.25	Sep-24
41	Procurement of Switchgears and Battery Bank at 220 kV Substation Jhajra	20	NIL	0.6	31.07.2025
42	Procurement of Engine Operated High pressure water Mist Fire Fighting Trolley Fire Extinguisher at 220KV Substation Jhajra, Dehradun	NIL	NIL	0.13	31.07.2025
43	Supply of 33 kV C.T. for 132/33 kV 40 MVA Transformer CB No 782/382 & 33 kV Feeder's at 132kV Substation Purkul	100	100	0.12	Nov-24
44	Supply of 120 kV & 30 kV Surge Arrester for 132 kV System & 33 kV System at 132kV Substation Purkul	100	100	0.12	Oct-24
45	Supply, Erection and Commissioning of 110 V 300 AH, Lead Acid Battery Set at 132 kV Substation Purkul	100	NIL	0.13	Dec-24
46	Supply and Erection of Fire Fighting Equipment at 132 kV Substation Purkul, Dehradun	100	100	0.12	Oct-24

After analyzing the revised data as submitted by the Petitioner, the Commission observed that for some of the projects, the Petitioner has submitted that the work will get completed beyond FY 2024-25.

The Petitioner vide letter dated March 28, 2025, has submitted that the 220 kV GIS Baram substation was targeted to be commissioned by 28.02.2025 earlier but due to certain reason the Commissioning is shifted to 31.03.2025 along with its associated line. Accordingly, the Commission has considered capitalisation of the works in FY 2024 25, which are completed by March 31, 2025.

The Commission while carrying out the truing up of FY 2020-21 vide Order dated March 31, 2022 has not allowed the capitalisation of works “Construction of Boundary & Protection wall at 220 kV GIS Sub-station Baram (Jauljibi) Pithoragarh” and “Construction of 1 No. Type -IV, 4 Nos. Type-III & 10 Nos. Type-II Residences & Development works and construction of development of terraces, protection wall,

CC road, drain & water supply main for colony at 220 kV GIS Sub-station Baram" and opined that the Commission shall consider the capitalisation once the main project "220/33 kV GIS Sub-station, Baram (Jauljibi), Pithoragarh." is capitalised. Hence the Commission has considered the capitalisation of "220/33 kV GIS Sub-station, Baram (Jauljibi), Pithoragarh" including the part capitalisation disallowed by the Commission for this scheme in FY 2020-21 and its associated LILO line with total cost of Rs. 147.25 Crore during FY 2024-25.

Further the Commission observes that the Petitioner has proposed work "220 kV D/C Transmission line from interconnection point of Singoli Bhatwari HEP to proposed 220 kV substation Rudrapur (Baramwari)" to be capitalised during second half of FY 2024-25. The Commission observed that its downstream asset i.e. 220/33 kV Substation Rudrapur (Baramwari) is far from completion and the Commission has considered this downstream asset capitalisation in FY 2027-28 as discussed in Business Plan chapter, hence the Petitioner should approach the Commission for the capitalisation of the line and its associated works once the downstream assets i.e. the construction of S/s is also completed and the utilization of overall assets is ensured.

Further the Commission observed that some of the works namely *Work of Procurement and installation of 132KV Hybrid Circuit Breaker for Transformer Bus at 132KV S/S Bhagwanpur, Supply of Circuit Breakers (CB) at 220KV Substation Piran Kaliyar, Procurement of Bushing for the Different Transformers installed at all the Three Substation comes under the jurisdiction of 220 kV (O&M) Division Jhajhra and 132 kV S/C link line between 132 kV S/s Purkul and Bindal*, amounting to Rs. 27.71 Crore which were earlier proposed to be capitalised in FY 2024-25 have been shifted to FY 2025-26 by PTCUL themselves based upon the estimation of current progress of the works.

Based on the observation made by the Commission, the total amount of capitalisation for first half of FY 2024-25 approved by the Commission works out to Rs. 21.38 Crore and the total amount of capitalisation approved by the Commission for second half of FY 2024-25 works out to Rs. 165.41 Crore. Hence, the Commission has considered the total capitalization amounting to Rs. 186.79 Crore for FY 2024-25 as per the list of schemes given in table below:

Table 5.4: List of Works approved by the Commission during FY 2024-25

Sl. No.	Name of the Project	Claimed	Approved
1.	Work upgradation of the D400 system at 220/132 kV Jhajra, Dehradun	4.58	0.00
2.	132 kV Bay at 132 kV Substation, Kashipur	2.89	1.43
3.	Stringing of second circuit of 132 kV Kashipur (400)-Bazpur line	2.43	1.86
4.	132 kV Bay at 132 kV Substation Laksar	1.04	1.04
5.	Construction of 1 no. 132 kV bay & extension of 132 kV Bazpur 2 Ckm. Transmission line at 400 kV S/s Kashipur	1.41	1.41
	Other Projects		
6.	Providing, Fixing and Installation of Addressable Smoke Detection System at 400 kV Sub Station Rishikesh	0.26	0.26
7.	Strengthening of Safety System & Associate Work in 220 kV Control Room at under 220 kV Substation Rishikesh	0.30	0.30
8.	Construction (Supply, Erection & Commissioning) of 01 No. 33 kV Bay for M/s. Fresh Pet Pvt. Ltd., at 220 kV Substation SIDCUL, Haridwar.	0.57	0.57
9.	Upgradation and extension of fire hydrant system installed at 220KV Mahuakheraganj.	0.58	0.58
10.	Making new protection wall for safety of tower no. 122 and tower no. 67 of 400KV Kashipur-Moradabad S/C line and 400KV Kashipur-Dhampur D/C Line at 400KV S/s Kashipur.	0.58	0.58
11.	Construction of new protection wall at loc. No. JK-121 of 132KV Jaspur-Kashipur line connected to 132KV S/s Jaspur.	0.59	0.59
12.	Work of new turfing at 80 MVA side bay and capacitor bank at 132 kV Substation Bazpur	0.58	0.58
13.	Supply and installation of new 110V battery set with charger and DCDB at 132KV S/s Kashipur	0.29	0.29
14.	Supply, Erection, Testing and Commissioning of Battery Bank and Charger at 132KV substation Rudrapur and 220KV Substation Pantnagar under O&M Division Pantnagar	0.47	0.47
15.	New Work of Turfing and Gravelling at 220 kV Bays at 220 kV Substation Pantnagar	0.59	0.59
16.	Supply and Erection of 110 V, 400 AH Battery Bank and 110 V, 100 Amp float cum Boost Charger at 66 kV S/s Thithki	0.19	0.19
17.	Supply, Erection, Testing and commissioning of Rotational Under Frequency Relay Panels having Rate of range of frequency (df/dt) for Automatic load shedding in Udham Singh Nagar	0.58	0.58
18.	Supply, installation, testing and commissioning of automatic fire hydrant system with pump house and water storage system at 132 kV substation Kathgodam under 220 kV O&M Division, PTCUL, Haldwani.	0.58	0.58
19.	Construction of false ceiling with gypsum plasterboard and installation of fire smoke detection system at Bhowali substation under 220 kV O&M Division Haldwani.	0.16	0.16
20.	Construction and expansion of CC Approach roads in switchyard of 220 kV S/s Haldwani	0.57	0.57
21.	Supply & Erection of 220V & 48V VRLA Type Battery Set & Charger at 400 kV Substation, Srinagar (G)	0.61	0.00
22.	Extension of Main Road towards colony and construction of retaining walls at 132 kV S/s Ranikhet under O&M Div. PTCUL Almora	0.58	0.58
23.	Renovation of Control Room Building 132 kV S/s Ramnagar, Roorkee	0.57	0.57
24.	Construction of cement concrete road & footpath in 132 kV S/s Purkul Gaon,	0.53	0.53

Table 5.4: List of Works approved by the Commission during FY 2024-25

Sl. No.	Name of the Project	Claimed	Approved
	Dehradun		
25.	Supply, erection, testing and commissioning of battery bank and charger at 132 kV S/s, ELDECO, Sitarganj	0.53	0.53
26.	Work of Erection, Testing & Commissioning of 20 MVA (132/33 kV) Transformer on ERS basis at 132 kV IDPL S/s Rishikesh after dismantling & shifting from 132 kV S/s Purkul	0.47	0.47
27.	Const. of tower protection wall at tower location no. AP-05 and AP-09 of 132 kV Ranikhet-Bageshwar S/C Line on D/C tower under O&M Division, PTCUL, Almora	0.45	0.45
28.	Const of new protection wall at tower no. 18 of 132 kV Kashipur-Bazpur line connected to 132 kV S/s, Bazpur	0.45	0.45
29.	Construction of Security Guard Hut & Land Development work in Chief Engineer Office Garhwal Zone at Civil Lines Roorkee	0.41	0.41
30.	Const. of cement concrete road from main gate to control room and approach road to quarters at 132 kV S/s Srinagar (Garhwal)	0.40	0.40
31.	Shifting of Tower no. RU III 34 of 220 kV Rishikesh-Dharasu Ckt-IIInd from Land Sliding Zone to Safer Location near Paniyali Kandisour	0.27	0.27
32.	Supply, Erection, Testing & Commissioning of Standby Battery Charger for 220 Volt 400 Ah tubular Battery Bank at 400 kV S/s Rishikesh	0.14	0.14
33.	Const. of a tower between RD 72 and RD 73 for proper ground clearance of 220 kV Rishikesh Dharasu line Ckt-1st	0.17	0.17
34.	Providing and replacement of 33 kV Circuit breaker (VCB) - 3 phase for 33kV BP-Ist and Koteswar bay at 220 kV S/s, Chamba	0.12	0.12
35.	Providing & Installation of online moisture removal system on 132/33 kV, 40 MVA Transformer (GEC make) at 132 kV S/s Bhagwanpur under ERS	0.12	0.12
36.	Interlocking Tiles in front of SE Transmission Circle & EE Division Office Yamuna Colony, Dehradun	0.12	0.12
37.	Providing and installation of Electric Fencing in 400kV & 220kV Switch yard at 400 kV S/s Rishikesh	0.25	0.25
38.	Providing and fixing of 36 kV VCB for capacitor bank II & 5MVA T/F at 132 kV S/s Majra	0.12	0.12
39.	Work of Supply and Installation of Ceasefire Extinguisher at 220 kV Substation Rishikesh	0.10	0.10
40.	Procurement and Erection of 132 kV Current Transformer at 132 kV Substation Bindal	0.10	0.10
41.	Procurement and Erection of 33 kV Isolators at 132 kV Substation Bindal	0.07	0.07
42.	Supply and erection of extra tower to maintain the proper ground clearance of 132 kV lines associated with 220 kV O&M Division SIDCUL, Haridwar	(0.04)	0.00
43.	Procurement Erection Testing & Commissioning of 220 Volt 400 Ah Battery Bank set with associated work at 400 kV S/s Rishikesh	0.23	0.23
44.	Turfing & Antiweed work in 132 kV S/s Purkul Gaon, Dehradun	0.47	0.47
45.	Procurement of 245 kV, 33 kV CT and 33KV PT at 220 kV Substation, Jhajra Dehradun under ERS	0.25	0.25
46.	Procurement of Switchgears and Battery Bank at 220 kV Substation Jhajra	0.56	0.00
47.	Procurement of Engine Operated High pressure water Mist Fire Fighting Trolley Fire Extinguisher at 220 kV Substation Jhajra, Dehradun	0.13	0.00
48.	Supply of 33 kV C.T. for 132/33 kV 40 MVA Transformer CB No 782/382 & 33kV Feeder's at 132kV Substation Purkul	0.12	0.11

Table 5.4: List of Works approved by the Commission during FY 2024-25

Sl. No.	Name of the Project	Claimed	Approved
49.	Supply of 120 kV & 30 kV Surge Arrester for 132kV System & 33kV System at 132kV Substation Purkul	0.12	0.12
50.	Supply, Erection and Commissioning of 110V 300AH, Lead Acid Battery Set at 132kV Substation Purkul	0.12	0.12
51.	Supply and Erection of Fire Fighting Equipment at 132kV Substation Purkul, Dehradun	0.12	0.12
52.	Procurement of Bushing for the Different Transformers installed at all the Three Substation comes under the jurisdiction of 220kV (O&M) Division, Jhajra	0.2	0.00
53.	Providing, fixing and Installation of Electric Fencing around 220 kV Switchyard & 132/33 kV IDPL Switchyard under 220 kV (O&M) Div, Rishikesh\	0.25	0.25
54.	132 kV Transmission Line Laksar- Cavandish	0.72	0.72
55.	Supply & Laying of control Cable for 220kV and 132kV Bus Bar Protection scheme at 400kV S/s Kashipur	0.16	0.01
56.	Supply, installation, testing and commissioning of electronic surveillance system at various substation premises under 220 kV O&M Division Haldwani.	0.26	0.16
57.	Turfing work in switch yard at 132 kV Substation Pithoragarh under O&M Division, PTCUL, Almora.	0.5	0.26
Projects Considered in 2nd Half of FY 2024-25			
58.	Order for supply installation and integration of BCU's with existing SAS at 400KV Kashipur for newly under construction Bays	0.19	0.19
59.	Order for supply of various Protection Relays of M/S GE T&D India Limited (Formerly Alstom T&D India Limited) make for 220KV S/s Mahuakheraganj	0.20	0.20
60.	Order for "Testing & Commissioning of existing 400/220/132KV Bus Bar Protection scheme at 400KV S/s Kashipur	0.16	0.16
61.	Procurement, Erection, Testing & Commissioning of New Distance Protection Relay on 220KV & above Feeders for main II protection system as per CEA guidelines at 220 kV S/Stn, Rishikesh & Chamba under T&C Division, Rishikesh	0.25	0.25
62.	Procurement of Numerical Protection Relay Of M/s Schiender Electric make for Various Substation under T&C Division 220KV Rishikesh	0.25	0.25
63.	Procurement, Erection, Testing & Commissioning of 220V, 500 AH Battery bank at 220KV Substation Piran Kaliyar (Imlikhera) on Emergency basis.	0.23	0.23
64.	Construction of 220/33 kV GIS S/s at Baram (Jauljivi), Pithoragarh	100.50	100.50
65.	Procurement of Bushing for the Different Transformers installed at all the Three Substation comes under the jurisdiction of 220 kV (O&M) Division Jhajhra.	0.20	0.00
66.	Procurement of 36 kV Vacuum Circuit Breaker at 132 kV S/s Majra	-	0
67.	Procurement of 145 kV Circuit Breaker for 132 kV Bus Section III at 132 kV S/s Majra	0.13	0.13
68.	Procurement of 120 kV Surge Arrester with surge counters for 132 kV Substation Majra	0.12	0.12
69.	132 kV S/C link line between 132 kV S/s Purkul and Bindal	19.65	0.00
70.	Work of making protection wall for safety of tower no. 93 of 400KV D/C Kashipur-Dhampur Line at 400KV Substation Kashipur.	0.36	0.36
71.	Construction of new revetment wall at tower no. 100 132KV Kalagarh-Ramnagar line.	0.34	0.34

Table 5.4: List of Works approved by the Commission during FY 2024-25

Sl. No.	Name of the Project	Claimed	Approved
72.	Construction of Balance work of 220KV DC Line from 220KV GIS Baram substation to Loc. No. 26 (i.e. LILO of 220 kV DC Dhauliganga Pithoragarh PGCIL line at 220KV GIS Baram)	14.00	14.00
73.	Construction of 220KV DC Line from Loc. No. 27 (i.e. LILO of 220 kV DC Dhauliganga Pithoragarh PGCIL line at 220KV GIS Baram) to 400 kV Substation PGCIL Jauljivi	18.00	18.00
74.	LILO of 220 kV Dhauliganga - Pithoragarh PGCIL line at proposed 220/33kV GIS S/s Baram (Jauljivi) Pithoragarh	6.50	6.50
75.	Procurement of 33 kV 10 MYAR Capacitor units for existing capacitor bank at 220 kV sub-station SIDCUL Haridwar	0.29	0.29
76.	Work of avoid breakdown by replacement of carbonized porcelain disc insulator strings with anti-pollution free polymer strings of 132 kV SIDCUL Roorkee line	0.5	0.5
77.	Work of avoid breakdown by replacement of carbonized porcelain disc insulator strings with anti-pollution free polymer strings of 132 kV Jwalapur Roorkee line	0.36	0.36
78.	Supply and erection of Online transformer oil moisture removal system at various substation under O&M Kumaon Zone, Haldwani (28 Nos)	3.94	3.94
79.	220 kV D/C Transmission line from interconnection point of Singoli Bhatwari HEP to proposed 220 kV substation Rudrapur (Baramwari)	32.08	0
80.	Construction works of Re-routing of line due to land slide from tower location no. AP 36 to AP 01 and shifting of tower no. 35 of 220 kV D/C line on twin zebra conductor from Lakhwar to Dehradun and its LILO at Vyasi against LoA no. 38/SE(C&P-II)/PTCUL/Rerouting/2023-24 dt. 07.02.2024 ((2.005 km)	9.82	9.82
81.	Construction of boundary & protection wall at 220 kV GIS Sub-station Baram (Jauljibi) Pithoragarh	3.01	3.01
82.	Construction of 1 No. Type -IV, 4 Nos. Type-III & 10 Nos. Type II Residences & Development works and construction of development of terraces, protection wall, CC road, drain & water supply main for colony at 220 kV GIS Sub-station Baram	5.24	5.24
83.	Construction of 220 kV line from LoC no. 27 (i.e. of 220 kV D/C line LILO line from Jauljivi PGCIL to Baram)	1.03	1.03

The Commission has determined the depreciation for FY 2025-26 considering the opening GFA for FY 2025-26 as Rs. 2385.88 Crore which includes the Closing GFA of Rs. 2374.98 Crore for FY 2024-25 plus the Closing Gross Block Value of Rs. 10.90 Crore for FY 2024-25 as part of opening GFA of FY 2024-25 pertaining to Bhilangana III-Ghansali Line and additional capitalisation for FY 2024 25 and rate of depreciation as defined in the UERC Tariff Regulations,2024.

Based on the above discussion, GFA claimed by the Petitioner and GFA approved by the Commission for FY 2024-25 is as follows:

Table 5.5: GFA Base approved for FY 2024-25 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order dated 28.03.2024	Claimed by PTCUL	Approved in APR
1.	Opening GFA	2157.92	2,300.56	2199.10
2.	Capitalisation during the year	237.01	255.89	186.79
3.	Closing GFA	2394.93	2,556.45	2385.89

5.3 Capitalisation during the fifth Control Period

The Commission, in the approval of Business Plan for the fifth Control Period from FY 2025-26 to FY 2027-28 as discussed in Business Plan Chapter of the Order has approved the capitalisation of Rs. 92.99 Crore, Rs. 1397.55 Crore, and Rs. 1360.72 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively. The Commission has considered the year wise capitalisation for the fifth Control Period from FY 2025-26 to FY 2027-28 as approved in the Business Plan. The GFA base approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 is as shown in the Table below:

Table 5.6: GFA base approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed	Approved	Claimed	Approved	Claimed	Approved
Opening value	2556.45	2385.43	2698.02	2478.41	5819.83	3875.96
Capitalisation	141.57	92.99	3121.81	1397.55	2171.91	1360.72
Closing GFA	2698.02	2478.41	5819.83	3875.96	7991.74	5236.68

5.4 Means of finance

The Petitioner has proposed the Debt-equity ratio of 70:30 for the proposed capitalisation during the fifth Control Period as per the Financing Plan submitted in its Petition for approval of Business Plan for the fifth Control Period from FY 2025-26 to FY 2027-28. The debt shall be raised from institutions like REC, PFC or other financial institutions. For ADB Loans, the projects will be financed in Grant of 52%, Debt of 28%, and Equity of 20%.

The Commission has considered the Financing Plan for FY 2024-25 in the debt equity ratio of 70:30 as submitted by the Petitioner.

Table 5.7: Details of financing for capitalisation for FY 2024-25 (Rs. Crore)

Sl. No.	Particulars	Cap. Res.	Grant	Loan	Equity	Total
1	Opening Value	78.63	275.80	1367.69	465.61	2198.63
2	Additions in the year					
	Total Works excluding Deposit Works		0.00	127.80	54.77	182.57

	Deposit Works		4.22	0.00	0.00	4.22
3	Total addition during the year		4.22	127.80	54.77	186.79
4	Less Deletions during the year			0.00	0.00	0.00
5	Closing Value	78.63	280.02	1495.49	520.39	2385.43

The Commission, in the approval of Business Plan for the fifth Control Period from FY 2025-26 to FY 2027-28 as discussed in Business Plan Chapter of the Order has approved the Financing Plan of the approved capitalisation during the fifth Control Period. The Commission has considered the Financing Plan for the fifth Control Period from FY 2025-26 to FY 2025-26 as approved in the Business Plan. Further, the Commission notes that the Petitioner's submission also includes Deposit & Grant and the Commission decides to approve the same as per the Petitioner's submission. The Commission shall consider and evaluate the actual financing plan for each scheme at the time of truing up based on actual financing. The debt and equity component for FY 2025-26 to FY 2027-28 approved by the Commission is as shown in the Tables given below:

Table 5.8: Details of financing for capitalisation for FY 2025-26 (Rs. Crore)

Sl. No.	Particulars	Cap. Res.	Grant	Loan	Equity	Total
1	Opening Value	78.63	280.02	1495.49	520.39	2385.43
2	Addition during the year	0.00	0.00	65.09	27.90	92.99
3	Less Deletions during the year	0.00	0.00	0.00	0.00	0.00
4	Closing Value	78.63	280.02	1560.58	548.28	2478.41

Table 5.9: Details of financing for capitalisation for FY 2026-27 (Rs. Crore)

Sl. No.	Particulars	Cap. Res.	Grant	Loan	Equity	Total
1	Opening Value	78.63	280.02	1560.58	548.28	2478.41
2	Addition during the year	0.00	354.24	692.16	351.14	1397.55
3	Less Deletions during the year	0.00	0.00	0.00	0.00	0.00
3	Closing Value	78.63	634.26	2252.74	899.42	3875.96

Table 5.10: Details of financing for capitalisation for FY 2027-28 (Rs. Crore)

Sl. No.	Particulars	Cap. Res.	Grant	Loan	Equity	Total
1	Opening Value	78.63	634.26	2252.74	899.42	3875.96
2	Addition during the year	0.00	0.00	952.50	408.22	1360.72
3	Less Deletions during the year	0.00	0.00	0.00	0.00	0.00
4	Closing Value	78.63	634.26	3205.24	1307.64	5236.68

5.5 Annual Transmission Charges

Regarding the Annual Transmission Charges, Regulation 57 of the UERC Tariff Regulations, 2024 specifies as follows:

“57. Annual Transmission Charges for each financial year of the Control Period

The Annual Transmission Charges for each financial year of the Control Period shall provide for the recovery of the Aggregate Revenue Requirement of the Transmission Licensee for the respective financial year of the Control Period, as reduced by the amount of non-tariff income, income from Other Business and short-term open access charges, as approved by the Commission and shall be computed in the following manner:

Aggregate Revenue Requirement, is the sum of:

- (a) Operation and maintenance expenses;*
- (b) Lease Charges;*
- (c) Interest and Finance Charges on Loan capital;*
- (d) Return on equity capital;*
- (e) Income-tax;*
- (f) Depreciation;*
- (g) Interest on working capital and deposits from Transmission System Users; and*

Annual Transmission Charges of Transmission Licensee = Aggregate Revenue Requirement, as above,

Minus:

- (h) Non-Tariff Income;*
- (i) Short-Term Open Access Charges and*
- (j) Income from Other Business to the extent specified in these Regulations.*

Provided that in case of competitively awarded transmission system projects in pursuance of Section 63 of the Act and in accordance with the guidelines for competitive bidding for transmission, the Annual Transmission Charges shall be as per the Annual Transmission Service Charges (TSC) quoted by such competitively awarded transmission projects.

The Annual Transmission Charges of the Transmission Licensee shall be determined by the Commission on the basis of an application for determination of Aggregate Revenue Requirement or application for adoption of Annual Transmission Charges in case of competitively awarded transmission system project, as the case may be, made by the Transmission Licensee in accordance with Part – II of these Regulations.”

The Commission in this Order has approved the Annual Transmission Charges for each year of the fifth Control Period from FY 2025-26 to FY 2027-28 based on the approved GFA base for the respective years.

5.5.1 Operation and Maintenance expenses

Regarding the Operation and Maintenance expenses, Regulation 62 of the UERC Tariff Regulations, 2024 specifies as follows:

"62. Operation and maintenance expenses

(1) The O&M expenses for the first year of the Control Period will be approved by the Commission taking into account the actual O&M expenses for last five years till Base Year subject to prudence check and any other factors considered appropriate by the Commission.

(2) The O&M expenses for the nth year and also for the year immediately preceding the Control Period, i.e. FY 2024-25, shall be approved based on the formula given below:-

$$O\&M_n = R\&M_n + EMP_n + A\&G_n$$

Where –

- *O&M_n – Operation and Maintenance expense for the nth year;*
- *EMP_n – Employee Costs for the nth year;*
- *R&M_n – Repair and Maintenance Costs for the nth year;*
- *A&G_n – Administrative and General Costs for the nth year;*

(3) The above components shall be computed in the manner specified below:

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

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

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

Where -

- *EMP_{n-1} – Employee Costs for the (n-1)th year;*
- *A&G_{n-1} – Administrative and General Costs for the (n-1)th year;*
- *Provision: Cost for initiatives or other one-time expenses as proposed by the Transmission Licensee and approved by the Commission after prudence check.*
- *'K' is a constant specified by the Commission in %. Value of K for each year of the Control Period shall be determined by the Commission in the MYT Tariff order based on Transmission Licensee's filing, benchmarking of repair and maintenance expenses, approved*

repair and maintenance expenses vis-à-vis GFA approved by the Commission in past and any other factor considered appropriate by the Commission;

- CPIinflation – is the average increase in the Consumer Price Index (CPI) for immediately preceding three years;*
- WPIinflation–is the average increase in the Wholesale Price Index (CPI) for immediately preceding three years;*
- GFAn-1 – Gross Fixed Asset of the Transmission Licensee for the n-1th year;*
- Gn is a growth factor for the nth year and it can be greater than or less than zero based on the actual performance. Value of Gn shall be determined by the Commission in the MYT tariff order for meeting the additional manpower requirement based on Transmission Licensee's filings, benchmarking and any other factor that the Commission feels appropriate:*

Provided that repair and maintenance expenses determined shall be utilised towards repair and maintenance works only."

The O&M expenses includes Employee expenses, R&M expenses and A&G expenses. In accordance with Regulation 62 of the UERC Tariff Regulations, 2024, the O&M expenses for the first year of the Control Period shall be determined by the Commission taking into account actual O&M expense of the previous years and any other factors considered appropriate by the Commission. The submission of the Petitioner and the Commission's analysis on the O&M expense for the fifth Control Period from FY 2025-26 to FY 2027-28 is detailed below:

5.5.1.1 Employee expenses

The Commission had approved the employee expenses of Rs. 226.42 Crore for FY 2024-25 in Tariff Order dated March 28, 2024. The Petitioner submitted that the actual employee expenses for the first six months of FY 2024-25 was Rs. 74.56 Crore. The Petitioner, in its Petition, has proposed the employee expenses for FY 2024-25 as Rs. 144.03 Crore.

The Petitioner submitted that the employee expenses for the fifth Control Period from FY 2025-26 to FY 2027-28 has been proposed as per the UERC Tariff Regulations, 2024. Further, the Gn factor for Control Period is considered as per manpower planning for the Control Period. Accordingly, the Petitioner has proposed the employee expenses of Rs. 169.20 Crore, Rs. 222.81 Crore and Rs. 255.54 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

The UERC Tariff Regulations, 2024 stipulate the normative O&M expenses for the fifth Control Period to be approved taking into account the actual O&M expenses of last five years, i.e. FY 2019-20 to FY 2023-24. The Commission observed that the 7th Pay Commission was implemented w.e.f. January 01, 2016 and the salaries were raised to the level of 7th Pay Commission w.e.f. December 01, 2017. The Commission has considered the impact of VII pay revision while truing up for previous years i.e. FY 2019-20 vide Order dated April 26, 2021; FY 2020-21 vide Order dated March 31, 2022; and FY 2021-22 vide its Order dated March 30, 2023. Hence, there is aberration in last 5 years actual expenses due to impact of Seventh Pay Commission for computation of the normative employee expenses.

In view of the above, the Commission does not find it prudent to approve the normative employee expenses for the fifth Control Period based on the actual employee expenses for FY 2019-20 to FY 2023-24 as the employee expenses in this period include impact of revision in salaries as well as arrears due to the 7th Pay Commission. Regulation 103(2) of the UERC Tariff Regulations, 2024 stipulates as under:

"(2) Nothing in these Regulations shall bar the Commission from adopting in conformity with provisions of the Act, a procedure which is at variance with any of the provisions of these Regulations, if the Commission, in view of the special circumstances of a matter or a class of matters, deems it just or expedient for deciding such matter or class of matters."

In view of the special circumstances in this case, in exercise of powers conferred by the above stated Regulation, the Commission finds it prudent to deviate from the methodology stipulated in the UERC Tariff Regulations, 2024 for approval of normative employee expenses for the fifth Control Period from FY 2025-26 to FY 2027-28 to the extent of consideration of actual employee expenses for the preceding five years.

The Commission has considered the actual employee expenses for last three years from FY 2021-22 to FY 2023-24 excluding the expenses pertaining to UITP and the expenses disallowed by the Commission from the actual expenses for carrying out sharing of gains and losses. The average actual Employee has been escalated first with CPI inflation of 5.40% to derive the base employee expenses for FY 2023-24 and again escalating it with CPI inflation of 5.46% to arrive at the base employee expenses for FY 2024-25 i.e. Emp_{n-1} for FY 2025-26. From FY 2025-26 onwards, the Commission has computed the normative employee expenses in accordance with the Regulation

62(3) considering the Gn factor approved for the corresponding year and the CPI inflation of 4.84%. Further, the Commission has considered the actual capitalisation rate of employee expenses for FY 2023-24 to be the capitalisation rate for each year of the fifth Control Period.

The Commission, in the approval of Business Plan for the fifth Control Period from FY 2025-26 to FY 2027-28 as discussed in Business Plan Chapter of the Order has approved the HR Plan. Based on the approved HR Plan, the Commission has computed the Gn factor as shown in the Table below:

Table 5.11: Determination of Growth Factor

Particulars	FY 2025-26	FY 2026-27	FY 2027-28
Closing no. of employees	886	979	970
Gn	0.00%	10.50%	0.00%

However, if the actual addition to number of employees is lower than the number of employee addition considered in this Order, the impact of the same shall be adjusted while carrying out the truing up and will not be considered as reduction in employee expenses on account of controllable factors.

With this approach, the normative employee expenses approved for the fifth Control Period from FY 2025-26 to FY 2027-28 is as shown in the Table below:

Table 5.12: Employee expenses approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY2027-28	
	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved
EMPn-1	168.37	168.62	197.79	176.79	260.47	204.80
Gn	11.40%	0.00%	24.87%	10.50%	8.76%	0.00%
CPI inflation	5.46%	4.84%	5.46%	4.84%	5.46%	4.84%
EMPn=(EMPn-1) x (1+Gn)x(1+CPIinflation)	197.79	176.79	260.47	204.80	298.73	214.71
Capitalisation rate	0.14	14.99%	0.14	14.99%	0.14	14.99%
Less: Employee expenses capitalised	28.60	26.50	37.66	30.69	43.19	32.18
Net Employee expenses	169.20	150.29	222.81	174.10	255.54	182.53

5.5.1.2 R&M expenses

The Commission has approved the R&M expenses of Rs. 49.59 Crore for FY 2024-25 in its Tariff Order dated March 28, 2024, on approval of ARR for FY 2024-25. The Petitioner submitted that the actual R&M expenses for the first six months of FY 2024-25 were Rs. 29.04 Crore. The Petitioner has proposed the R&M expenses for FY 2024-25 as Rs. 52.54 Crore.

The Petitioner submitted that the R&M expenses for the fifth Control Period from FY 2025-26 to FY 2027-28 have been proposed as per the UERC Tariff Regulations, 2024. The Petitioner has considered the K factor of 2.13%. Further, the Petitioner has considered the WPI inflation of 7.21% considering the average increase in the Wholesale Price Index (WPI) for FY 2020-21 to FY 2022-23. Accordingly, the Petitioner has proposed the R&M expenses of Rs. 58.38 Crore, Rs. 61.61 Crore and Rs. 132.90 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

The Commission has determined the R&M expenses for the fifth Control Period from FY 2025-26 to FY 2027-28 in accordance with UERC Tariff Regulations, 2024. The Commission has computed the percentage of actual R&M expenses over approved opening GFA for each year of FY 2021-22 to FY 2023-24. Thereafter, the Commission has considered the average of such percentages as K factor which works out to 1.98%. The Commission has considered the opening GFA for each year of the fifth Control Period from FY 2025-26 to FY 2027-28 as approved in this Order. The Commission has considered the WPI inflation of 3.65% which is the average increase in the Wholesale Price Index (WPI) for FY 2022-23 to FY 2024-25.

With this approach, the R&M expenses approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 is as shown in the Table below:

Table 5.13: R&M expenses approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved
K Factor	2.13%	1.98%	2.13%	1.98%	2.13%	1.98%
GFA _{n-1}	2556.45	2385.43	2698.02	2478.41	5819.83	3875.96
WPI inflation	7.21%	3.65%	7.21%	3.65%	7.21%	3.65%
R&M_n = K x (GFA_{n-1}) x (1+WPI inflation)	58.38	48.89	61.61	50.80	132.90	79.45

5.5.1.3 A&G expenses

The Commission has approved the A&G expenses of Rs. 31.92 Crore for FY 2024-25 in its Tariff Order dated March 28, 2024, on approval of ARR for FY 2024-25. The Petitioner submitted that the actual A&G expenses for the first six months of FY 2024-25 as Rs. 26.92 Crore. The Petitioner, in its Petition, has proposed the A&G expenses for FY 2024-25 as Rs. 36.16 Crore. The estimated A&G expenses of Rs. 36.16 Crore includes license fee of Rs. 10.36 Crore paid to the Commission and security expenditure of Rs. 15.44 Crore.

The Petitioner submitted that the A&G expenses for the fifth Control Period from FY 2025-26 to FY 2027-28 has been proposed as per the UERC Tariff Regulations, 2024. Accordingly, $A\&G_{n-1}$ has been considered as the proposed A&G expenses for the claimed true up of FY 2023-24. The ' $A\&G_{n-1}$ ' has been escalated by WPI Inflation to arrive at expenses for each year of the Control Period. Further, the license and other fee to be paid to the Commission has been added to arrive at total A&G expenses for each year of Control Period. Accordingly, the Petitioner has proposed the A&G expenses of Rs. 36.91 Crore, Rs. 39.00 Crore and Rs. 41.22 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

The computation of A&G expenses submitted by the Petitioner fails to adhere to Regulation 62(1) of the UERC Tariff Regulations, 2024. Contrary to the regulatory requirement, the A&G expense for the first year of the Control Period was not determined based on the actual O&M expenses incurred during the five years prior to the base year.

As discussed in above para of employee expenses the Commission has deviated from the methodology stipulated in the UERC Tariff Regulations, 2024 for approval of normative A&G expenses for the fifth Control Period from FY 2025-26 to FY 2027-28 to the extent of consideration of actual A&G expenses for the preceding three years instead five years.

The A&G expense are arrived by first reducing the Gross A&G Expense for each preceding previous years (from FY 2021-22 to FY 2023-24) by the corresponding UITP amount. This figure is further reduced by the disallowed expenses specified in the respective True-up Order, resulting in the annual 'Base A&G Expense' for each year. The average of these annual Base A&G Expenses is calculated and then escalated first with WPI inflation of 7.90 % to derive the base A&G expense for FY 2023-24 and again escalating it with WPI inflation of 7.23% to arrive at the base A&G expenses for FY 2024-25 i.e. $A\&G_{n-1}$ for FY 2025-26. From FY 2025-26 onwards, the Commission has computed the normative A&G expenses in accordance with the Regulation 62(3) considering the WPI inflation of 3.65%. Further, the Commission has considered the actual capitalisation rate of A&G expenses for FY 2023-24 to be the capitalisation rate for each year of the fifth Control Period. In addition, the Commission has considered the license fee and security fee as claimed for each year of the fifth Control Period.

The Commission observes that the actual security expenses of the past years are Rs. 9.31 Crore in FY 2019-20, Rs. 10.26 Crore in FY 2020-21, Rs. 11.57 Crore in FY 2021-22, Rs. 11.86 Crore in

FY 2022-23 and Rs. 12.62 Crore in FY 2023-24. There is no uniformity in the trend of increase in Security Expenses. Hence, the Commission decides to approve the security expenses considering the CPI inflation factor.

The normative A&G expenses approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 is as shown in the Table below:

Table 5.14: A&G expenses approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved
A&Gn-1	11.63	19.58	12.47	20.30	13.36	21.04
WPI inflation	7.21%	3.65%	7.21%	3.65%	7.21%	3.65%
Provision	0.00	0.00	0.00	0.00	0.00	0.00
A&Gn=A&Gn-1 x (1+WPI inflation) + Provision	11.11	20.30	11.92	21.04	12.77	21.81
Capitalisation rate	10.84%	23.36%	10.84%	23.36%	10.84%	23.36%
Capitalised A&G expenses	1.35	4.74	1.45	4.91	1.55	5.09
Net A&G expenses	11.11	15.56	11.92	16.12	12.77	16.71
License Fee	10.36	9.90	10.87	9.90	11.42	9.90
Security expenses	15.44	14.98	16.21	15.71	17.02	16.47
Total A&G expenses	36.91	40.44	39.00	41.73	41.22	43.08

5.5.1.4 O&M expenses

The O&M expenses approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 is as shown in the Table below:

Table 5.15: O&M expenses approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved
Employee expenses	169.20	150.29	222.81	174.10	255.54	182.53
R&M expenses	58.38	48.89	61.61	50.80	132.90	79.45
A&G expenses	36.91	40.44	39.00	41.73	41.22	43.08
Total O&M expenses	264.49	239.62	323.42	266.64	429.66	305.06

5.5.2 Interest on Loans

The Petitioner has considered the opening Loan balance for FY 2025-26 as Rs. 532.54 Crore. The Loan addition for each year has been considered equal to the proposed capitalisation during the respective year as per the funding plan for various schemes. The Petitioner has considered the

normative repayment for each year equal to the depreciation for the year. The Petitioner has proposed the interest on Loan by applying the interest rate of 9.64% on the average normative Loan for the year. Accordingly, the Petitioner has proposed the interest on Loan of Rs. 49.60 Crore, Rs. 142.59 Crore and Rs. 293.27 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

Regulation 27 of the UERC Tariff Regulations, 2024 specifies as follows:

“27. Interest and finance charges on Loan capital and on Security Deposit

- (1) The Loans arrived at in the manner indicated in Regulation 24 shall be considered as gross normative Loan for calculation of interest on Loan.*
- (2) The normative Loan outstanding as on 01.04.2025 shall be worked out by deducting the cumulative repayment as admitted by the Commission up to 31.03.2025 from the approved gross normative Loan.*
- (3) The repayment for each year of the Control Period shall be deemed to be equal to the depreciation allowed for that year. In case of decapitalisation of assets, the repayment shall be adjusted by taking into account cumulative repayment on a pro rata basis and the adjustment should not exceed cumulative depreciation recovered upto the date of decapitalisation of such asset.*
- (4) Notwithstanding any moratorium period availed by the Generating Company or the Transmission Licensee or the Distribution Licensee or the SLDC, as the case may be the repayment of Loan shall be considered from the first year of commercial operation of the project and shall be equal to the depreciation allowed for the year or part of the year.*
- (5) The rate of interest shall be the weighted average rate of interest calculated on the basis of the actual Loan portfolio of the previous year after providing appropriate accounting adjustment for interest capitalised:*

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

Provided further that if the generating station or the transmission system or the distribution system or SLDC, as the case may be, does not have actual Loan, then the weighted average rate of interest of the generating company or the Transmission Licensee or the Distribution Licensee or SLDC as a whole shall be considered.

(6) The interest on Loan shall be calculated on the normative average Loan of the year by applying the weighted average rate of interest.

Provided that on account of additional capitalisation during the year, interest on additional Loan shall be calculated on pro-rata basis.

....."

The Commission has considered the approved closing Loan balance of FY 2023-24 as opening Loan balance for FY 2024-25, in addition to the ARR of Bhilangana-III-Ghansali Transmission Line for FY 2024-25 as same being approved as a part of PTCUL ARR for FY 2024-25, therefore, closing Loan balance of Rs. 0.54 Crore for FY 2023-24 has also been considered in the opening Loan balance for FY 2024-25 for PTCUL. Thereafter, the Commission has considered the Loan addition during FY 2024-25 as per the approved means of finance for FY 2024-25. The Commission has considered the closing Loan balance for FY 2024-25 as the opening Loan balance for FY 2025-26. The Commission has considered the Loan addition during each year of the fifth Control Period from FY 2025-26 to FY 2027-28 as per the approved Financing Plan. The Commission has considered the normative repayment equivalent to the approved depreciation for each year of the fifth Control Period from FY 2025-26 to FY 2027-28. The Commission has considered the interest rate of 9.64% which is the actual weighted average rate of interest for FY 2023-24. The Commission has determined the interest on Loan by applying the interest rate of 9.64% on the average Loan balance for each year of the fifth Control Period from FY 2025-26 to FY 2027-28. The interest on Loan approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 is as shown in the Table given below:

Table 5.16: Interest on Loan approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed	Approved	Claimed	Approved	Claimed	Approved
Opening Loan balance	532.54	442.35	496.51	395.56	2461.83	944.94
Drawal during the year	99.10	65.09	2185.27	692.16	1520.34	952.50
Repayment during the year	135.13	111.89	219.95	142.76	357.55	206.24
Closing Loan balance	496.51	395.56	2461.83	944.94	3624.62	1691.21
Interest Rate	9.64%	9.64%	9.64%	9.64%	9.64%	9.64%
Interest	49.60	40.39	142.59	64.61	293.37	127.06

5.5.3 Return on Equity

The Petitioner has considered the opening equity for FY 2025-26 as Rs. 576.00 Crore. Further the funding details for the capitalisation in each year of the Control Period has been submitted in the Business Plan. The Petitioner has proposed the Return on Equity at the rate of 15.50% on the average equity for the year. Accordingly, the Petitioner has proposed the RoE of Rs. 92.57 Crore, Rs. 168.44 Crore and Rs. 291.52 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

As discussed in True-up Chapter the Commission has decided to allow the impact of RoE on equity invested from PDF amount till FY 2022-23 in three years and has accordingly considered the impact of Rs. 78.56 Crore each in FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

From FY 2023-24 onwards, the Commission has considered the total equity amount including equity funded through the PDF in past years as opening equity for allowing the Return on equity.

PTCUL has Further, claimed an amount of Rs. 301.04 as RoE on the initial equity considering the same to be 30 % of the approved opening GFA for PTCUL as on the date of its creation, from FY 2005-06 to FY 2024-25. On this issue of RoE on opening equity, the Petitioner has filed an Appeal before Hon'ble APTEL vide Appeal No. 187 of 2019 dated April 15, 2019 which is sub-judice. Though the matter is sub-judice, PTCUL has again claim the differential RoE on opening equity. The Commission has approved the RoE on opening equity as approved in true-up of FY 2023-24. Further, the Commission while computing the RoE for FY 2025-26 to FY 2027-28 has included initial equity in the opening equity. Therefore, the Commission has not separately approved any amount in this regard.

Further, since the ARR of Bhilangana III-Ghansali Transmission Line is being approved as a part of PTCUL ARR for FY 2024-25, therefore, the closing equity of Rs. 3.27 Crore has also been considered as part of the opening equity for FY 2024-25 for PTCUL.

Regarding the Return on Equity, Regulation 26 of the UERC Tariff Regulations, 2024 specifies as follows:

"26. Return on Equity

(1) Return on equity shall be computed on the equity base determined in accordance with Regulation 24.

Provided that, Return on Equity shall be allowed on amount of allowed equity capital for the assets put to use at the commencement of each financial year.

Provided further that, if the generating stations/licensees are able to demonstrate the actual date of asset being put to use and capitalised in its accounts of each asset for the purposes of business carried on by it through documentary evidence, including but not limited to 'asset put to use certificate', 'audited accounts' etc., then in such cases, after due satisfaction of the Commission, the RoE shall be allowed on pro-rata basis after considering additional capitalisation done during the year out of the equity capital.

(2) Return on equity shall be computed on at the base rate of 15.5% for thermal generating stations, transmission licensee, SLDC and run of the river hydro generating station and at the base rate of 16.50% for the storage type hydro generating stations and run of river generating station with pondage and distribution licensee on a post-tax basis.

Provided that return on equity in respect of additional capitalisation after 01.04.2025 beyond the original scope of work excluding additional capitalisation due to Change in Law, shall be computed at the base rate of one-year marginal cost of lending rate (MCLR) of the State Bank of India plus 350 basis points as on 1st April of the year, subject to a ceiling of 14%;

Provided further that:

(i) In case of generation and transmission projects commissioned on or after 1st April, 2025, an additional Return of 0.5% shall be allowed if such projects are completed within the timeline as specified in Appendix - I to these Regulations.

(ii) The additional return of 0.5% shall not be admissible if the project is not completed within the timeline specified above for whatsoever reasons:

(iii) Additional RoE of 0.50% may be allowed if any element of the transmission project is completed within the specified timeline and it is certified by the Northern Regional Power Committee that commissioning of the particular element will benefit the system operation in the regional/national grid:

(iv) Additional RoE shall not be admissible for transmission line having length of less than 50 kilometers."

Hence, the Commission has determined the RoE for each year of the fifth Control Period from FY 2025-26 to FY 2027-28 considering the eligible opening equity for return for the respective year. The addition for each year has been considered based on capitalisation approved in Business Plan chapter for FY 2025-26 to FY 2027-28.

The Return on Equity approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 is as shown in the Table below:

Table 5.17: Return on Equity approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved
Opening Equity	576.00	523.99	618.47	551.89	1555.01	903.03
Addition during the year	42.47	27.90	936.54	351.14	651.57	408.22
Closing Equity	618.47	551.89	1555.01	903.03	2206.58	1311.25
Eligible Equity for return	597.23	547.59	1086.74	575.48	1880.80	926.62
Rate of Return	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%
Return on Equity	92.57	84.88	168.44	89.20	291.52	143.63

5.5.4 Income Tax

The Petitioner has not claimed any Income Tax in its ARR proposals for the fifth Control Period from FY 2025-26 to FY 2027-28.

Regarding Income Tax, Regulation 34 of the UERC Tariff Regulations, 2024 specifies as follows:

“34. Tax on Income

Income Tax, if any, on the income stream of the regulated business of Generating Companies, Transmission Licensees, Distribution Licensees and SLDC shall be reimbursed to the Generating Companies, Transmission Licensees, Distribution Licensees and SLDC as per actual income tax paid, based on the documentary evidence submitted at the time of truing up of each year of the Control Period, subject to the prudence check.”

As stated above, Income Tax is admissible at the time of truing up and hence, the Commission has not considered any Income Tax in the approval of ARR for the fifth Control Period from FY 2025-26 to FY 2027-28.

5.5.5 Depreciation

The Petitioner submitted that the asset class wise depreciation has been computed considering the proposed GFA for each year of the fifth Control Period from FY 2025-26 to FY 2027-28 at the rates of depreciation specified in the UERC Tariff Regulations, 2024. Accordingly, the Petitioner has proposed the depreciation of Rs. 135.13 Crore, Rs. 219.95 Crore and Rs. 357.55 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

Regulation 28 of the UERC Tariff Regulations, 2024 specifies as follows:

"28. Depreciation

(1) The value base for the purpose of depreciation shall be the capital cost of the asset admitted by the Commission.

Provided that no depreciation shall be allowed on assets funded through Consumer Contribution and Capital Subsidies/Grants.

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

Provided that in case of generating stations, the salvage value shall be as provided in the agreement signed by the developers with the State Government for creation of site;

Provided further that the capital cost of the assets of the generating station, for the purpose of computation of depreciable value for determination of tariff, under these regulations shall correspond to the percentage of sale of electricity under long-term power purchase agreement at regulated tariff.

Provided also that any depreciation disallowed on account of lower availability of the generating station or generating unit or transmission system as the case may be, shall not be allowed to be recovered at a later stage during the useful life and the extended life.

Provided that the salvage value for IT equipment and software shall be considered as NIL and 100% value of the assets shall be considered depreciable.

(3) Land other than the land held under lease and the land for reservoir in case of hydro generating station shall not be a depreciable asset and its cost shall be excluded from the capital cost while computing depreciable value of the asset.

(4) Depreciation shall be calculated annually based on Straight Line Method and at rates specified in Appendix - II to these Regulations.

Provided that, the remaining depreciable value as on 31st March of the year closing after a period of 12 years from the date of commercial operation shall be spread over the balance useful life of the assets.

(5) *Depreciation shall be chargeable from the first year of commercial operation. In case of commercial operation of the asset for part of the year, depreciation shall be charged on pro rata basis.*

(6) *In case of de-capitalisation of assets in respect of generating station or unit thereof or distribution licensee or SLDC or transmission system or element thereof, the cumulative depreciation shall be adjusted by taking into account the depreciation recovered in tariff by the decapitalised asset during its useful services."*

The Commission has determined the depreciation for the fifth Control Period from FY 2025-26 to FY 2027-28 considering the approved GFA base including Rs. 10.90 Crore pertaining to Bhilangana III-Ghansali Line and asset class wise rates of depreciation specified in UERC Tariff Regulations, 2024. Further, the Commission has computed the depreciation on assets for FY 2025-26 to FY 2027-28 created out of grants by applying the weighted average rate of depreciation for the respective years and deducted the same from the gross depreciation as depreciation is not allowed on assets funded through grants. The depreciation approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 is as shown in the Table given below:

Table 5.18: Depreciation approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved
Depreciation	135.13	111.89	219.95	142.78	357.55	206.24

5.5.6 Interest on Working Capital

The Petitioner has submitted that the interest on working capital for the fifth Control Period from FY 2025-26 to FY 2027-28 has been proposed in accordance with UERC Tariff Regulations, 2024. Accordingly, the Petitioner has proposed the IWC of Rs. 18.50 Crore, Rs. 26.73 Crore and Rs. 40.60 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

The Commission has determined the interest on working capital for the fifth Control Period in accordance with the UERC Tariff Regulations, 2024.

5.5.6.1 One Month O&M Expenses

The annual O&M expenses approved by the Commission are Rs. 239.62 Crore, Rs. 266.64

Crore and Rs. 305.06 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively. Based on the approved O&M expenses, one month's O&M expenses work out to Rs. 19.97 Crore, Rs. 22.22 Crore and Rs. 25.42 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

5.5.6.2 Maintenance Spares

The Commission has considered the maintenance spares as 15% of O&M expenses in accordance with UERC Tariff Regulations, 2024, which work out to Rs. 35.94 Crore, Rs. 40.00 Crore and Rs. 45.76 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

5.5.6.3 Receivables

The Commission has approved the receivables for two months based on the approved ATC of Rs. 468.38 Crore, Rs. 514.27 Crore and Rs. 725.65 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively, which works out to Rs. 78.06 Crore, Rs. 85.71 Crore and Rs. 120.94 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively.

Based on the above, the total working capital requirement of the Petitioner for FY 2025-26, FY 2026-27 and FY 2027-28 works out to Rs. 133.98 Crore, Rs. 147.93 Crore and Rs. 192.12 Crore respectively. The Commission has considered the interest on working capital as 12.07% equal to the weighted average of one year MCLR as declared by the State Bank of India for FY 2023-24 plus 350 basis points and, accordingly, the interest on working capital works out to Rs. 16.16 Crore, Rs. 17.85 Crore, and Rs. 23.18 Crore for FY 2025-26, FY 2026-27 and FY 2027-28 respectively. The interest on working capital approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 is as shown in the Table below:

Table 5.19: Interest on working capital approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved
O&M expenses for 1 month	22.04	19.97	26.95	22.22	35.80	25.42
Maintenance Spares	39.67	35.94	48.51	40.00	64.45	45.76
Receivables equivalent to 2 months	89.70	78.06	143.18	85.71	231.77	120.94
Working Capital	151.42	133.98	218.64	147.93	332.02	192.12
Rate of Interest on Working Capital	12.23%	12.07%	12.23%	12.07%	12.23%	12.07%
Interest on Working Capital	18.51	16.16	26.73	17.85	40.60	23.18

5.5.7 on-Tariff Income

The Petitioner has proposed non-tariff income of Rs. 17.02 Crore each for FY 2025-26 to FY 2027-28 respectively which is equivalent to the amount claimed in FY 2023-24. The Commission observed that the actual non-tariff income earned by PTCUL during FY 2023-24 is Rs. 39.44 Crore which has been considered by the Commission while carrying out the truing up. The Commission has presently considered the Non-tariff income of Rs. 39.44 Crore for each year from FY 2025-26 to FY 2027-28 (equivalent to actual Non -Tariff Income for FY 2023-24). The same shall, however, be trued up based on the actual audited accounts for each year of the fifth Control Period.

5.5.8 Revenue from STOA charges

The Petitioner has proposed revenue from STOA of Rs. 3.86 Crore each for FY 2025-26, FY 2026-27 and FY 2027-28 which is equivalent to the amount claimed in FY 2023-24. In the absence of any yardstick for estimating the revenue from STOA of the Petitioner, the Commission provisionally accepts the same for the Control Period. The same shall, however, be trued up based on the actual audited accounts for each year of the Control Period.

5.5.9 Revenue from Natural ISTS Lines

The Petitioner has projected the Revenue from Natural ISTS lines of amount Rs. 1.02 Crore for the Control Period equivalent to the amount as considered for FY 2023-24. The Commission has provisionally considered the same i.e. Rs. 1.20 Crore for the Control Period. The same shall, however, be trued up based on the actual audited accounts for the year.

5.5.10 Annual Transmission Charges

Based on the above, the Annual Transmission Charges approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 is as shown in the Table below:

Table 5.20: Annual Transmission Charges approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved
O&M expenses	264.49	239.62	323.42	266.64	429.66	305.06
Interest on Loan	49.6	40.39	142.59	64.61	293.37	127.06
Return on Equity	92.57	84.88	168.44	89.20	291.52	143.63
Depreciation	135.13	111.89	219.95	142.78	357.55	206.24
Interest on working capital	18.51	16.16	26.73	17.85	40.6	23.18

Table 5.20: Annual Transmission Charges approved by the Commission for the fifth Control Period from FY 2025-26 to FY 2027-28 (Rs. Crore)

Particulars	FY 2025-26		FY 2026-27		FY 2027-28	
	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved	Claimed by PTCUL	Approved
Aggregate Revenue Requirement	560.3	492.94	881.15	581.08	1412.69	805.17
<i>Add:</i>						
True up of previous years		35.87				
<i>Minus:</i>						
Non-Tariff Income	17.02	39.44	17.02	39.44	17.02	39.44
Revenue from STOA charges	3.86	3.86	3.86	3.86	3.86	3.86
Revenue from Natural ISTS Lines	1.20	1.20	1.20	1.20	1.20	1.20
SLDC charges	23.38	15.94	58.97	22.30	104.45	35.02
Annual Transmission Charges	514.83	468.38	800.09	514.27	1286.15	725.65

In addition to approved ATC, PTCUL shall recover Rs. 78.56 Crore each in FY 2025-26, FY 2026-27 & FY 2027-28 towards the impact of RoE on equity invested from PDF for previous years.

5.6 Recovery of Annual Transmission Charges

Having considered the submissions made by PTCUL, the responses of the stakeholders in the context of Petitioner's proposals for ATC and the relevant provisions of the Electricity Act, 2003 and Regulations of the Commission, the Commission hereby approves that:

- Power Transmission Corporation of Uttarakhand Ltd., the transmission licensee in the State will be entitled to recover Annual Transmission Charges for FY 2025-26 from its beneficiaries in accordance with the provisions of the Regulations.
- The payments, however, shall be subject to adjustment, in case any new beneficiary(including long/medium term open access customer) is using the Petitioner's system, by an amount equal to the charges payable by that beneficiary in accordance with the UERC (Terms and Conditions of Intra-State Open Access) Regulations, 2015. In that case, the charges recoverable from the new beneficiary(ies), including long/medium term open access customers, shall be refunded to UPCL in accordance with the said Regulations.

5.7 Transmission Charges payable by Open Access Customers

Uttarakhand Electricity Regulatory Commission (Terms and Conditions of Intra-State Open

Access) Regulations, 2015 inter-alia specify transmission charges applicable on the customers seeking open access to intra-state transmission system. In this regard, Regulation 20(1)(b) specifies as under:

“(b) For use of intra-State transmission system–Transmission charges payable by an open access customer to STU for usage of its system shall be determined as under:

$$\text{Transmission Charges} = \text{ATC}/(\text{PLS T X365}) \text{ (Rs./MW/day)}$$

Where,

ATC = Annual Transmission Charges determined by the Commission for the State transmission system for the relevant year;

PLST = Peak load served by the State transmission system in the previous year”

The ATC approved by the Commission for FY 2025-26 is Rs. 546.94 Crore including past recovery of Rs. 78.56 Crore and the PLST during FY 2024-25 is 2863 MW. Hence, in accordance with the methodology provided in the aforesaid Regulations, the rate of transmission charges payable by the customers seeking open access to intra-State transmission system for FY 2025-26 shall be:

Table 5.21: Rate of Transmission charges for Open Access approved for FY 2025-26 (Rs. Crore)

Description	Rs./MW/Day
Transmission Charges	5233.90

However, in case, augmentation of transmission system including construction of dedicated transmission system is required for giving long-term open access then such long-term customer shall, in addition to transmission charges as per the Rate of Charge provided above, also bear the transmission charges for such augmentation works including dedicated system. These charges shall be determined by the Commission on Rs./MW/day basis after scrutiny of the annual revenue requirements for the said works including dedicated system based on the proposal of the STU/transmission licensee, on case to case basis. With regard to sharing of these transmission charges for the augmentation works including dedicated system, the Commission shall take a decision, taking into account the beneficiaries of the said works and its usage, at the time of scrutiny of PTCUL's ARR for the ensuing year for intra-State system. However, till such time the

Commission issues tariff order for the ensuing year, the long-term access customer for whom these augmentation works including dedicated system were carried shall be liable to pay these additional transmission charges.

The Annual Transmission Charges approved for FY 2025-26 will be applicable with effect from April 01, 2025 and shall continue to apply till further Orders of the Commission.

6 Commission's Directives

The Commission in its previous Orders had issued a number of specific directions to PTCUL with an objective of attaining operational efficiency and streamlining the flow of information, which would be beneficial for the Sector and the Petitioner both in short and long term. This Chapter deals with the compliance status and Commission's views thereon as well as the summary of new directions for compliance and implementation by PTCUL.

6.1 Compliance of Directives Issued in Tariff Order for FY 2024-25

6.1.1 *Electrical Inspector Certificate*

The Petitioner is directed to submit the Electrical Inspector Certificates for all the assets claimed for capitalisation during the respective years with proper cross referencing as part of the Petition.

Petitioner's Submissions

The electrical inspector certificates for all projects/works claimed for capitalization have been submitted to the Commission. The certificates have been cross referenced as required by the Commission.

Fresh Directive

The Commission has noted the compliance by the Petitioner. **The Petitioner is directed to submit the Electrical Inspector Certificates for all the assets claimed for capitalisation during the respective years true up with proper cross referencing.**

6.1.2 *Capital cost of transferred assets*

The Petitioner was directed to submit the impact of the finalization of transfer scheme between UPCL and PTCUL as part of ARR and Tariff Petition for FY 2025-26. The Commission will consider the impact of this notification and final transfer scheme between UPCL and PTCUL after due public process and prudence check in the ARR and Tariff Proceedings for FY 2025-26.

Petitioner's Submissions

The Petitioner submitted to the Commission that various meetings and correspondence were done between UPCL & PTCUL regarding Transfer Scheme. The draft policy of the same after reconciliation between UPCL & PTCUL has been submitted to the Govt. of Uttarakhand for

finalization and issuing of Notification. The same is rigorously being perused. The Petitioner requested the Commission to consider the same and allow more time.

Fresh Directive

The Commission has noted the progress made in the matter.

The Commission directs the Petitioner to submit the impact of finalization of transfer scheme between UPCL and PTCUL as part of ARR and Tariff Petition for FY 2026-27. The Commission will consider the impact of this notification and final transfer scheme between UPCL and PTCUL after due public process and prudence check in the ARR and Tariff Proceedings for FY 2026-27.

6.1.3 Ring Fencing of SLDC

The Commission directs PTCUL to take suitable actions and implement Ring Fencing of SLDC and submit the status of the same to the Commission within 3 months from the date of this Order.

Petitioner's Submissions

The Petitioner submitted that the detailed report on ring fencing of SLDC report is provided with the current Petition.

Fresh Directive

The Commission has noted the compliance by the Petitioner. **The Commission directs PTCUL to take suitable actions and implement Ring Fencing of SLDC and submit the status of the same to the Commission within 3 months from the date of this Order.**

6.1.4 Capitalisation of partially completed schemes

The Petitioner is directed to ensure that all the information required to be submitted in accordance with the Tariff Regulations is furnished along with its Tariff Petitions for the ensuing years.

Petitioner's Submissions

The Petitioner submitted that the details as required by the Commission have been submitted in the requisite formats.

Fresh Directive

The Commission has noted the compliance by the Petitioner. The Petitioner is directed to ensure that all the information required to be submitted in accordance with the Tariff Regulations is furnished along with its Tariff Petitions for the ensuing years. **The Petitioner is directed to claim the associated line along with the substation as single scheme so that the proper planning and utilization of asset is done.**

6.1.5 Additional Capitalisation beyond the cut-off date

The Petitioner is directed to be vigilant in furnishing information to the Commission for future year also, taking cognizance of the earlier Tariff Orders of the Commission and its own submissions during various proceedings, for future year also.

Petitioner's Submissions

The Petitioner submitted that PTCUL shall be vigilant in furnishing information to the Commission for future years also, taking cognizance of the earlier Tariff Orders of the Commission and its own submissions during various proceedings, for future years also.

Fresh Directive

The Commission has noted the compliance by the Petitioner. **The Petitioner is directed to be vigilant in furnishing information to the Commission for future years also, taking cognizance of the earlier Tariff Orders of the Commission and its own submissions during various proceedings, for future years also.**

6.1.6 Frequent Grid Failures

The Commission directed PTCUL to submit report on the major incident, if any, occurring in future in accordance with Clause 10 of the License no. 1 of 2003.

Petitioner's Submissions

The Petitioner submitted that the details of any major incident are shared with the Commission on regular basis. However, there were no major grid failures in FY 2023-24

Fresh Directive

The Commission has noted the compliance by the Petitioner. **The Commission directs PTCUL to submit report on the major incident, if any, occurring in future in accordance with**

Clause 10 of the License no. 1 of 2003.**6.1.7 Transmission System Availability**

The Commission directed the Petitioner to submit the Availability of its AC System along with the SLDC Certification for the same, during every truing up exercise.

Petitioner's Submissions

The Petitioner submitted that the transmission availability for FY 2023-24 has been submitted along with the Petition.

Fresh Directive

The Commission has noted the compliance by the Petitioner. **The Commission directs the Petitioner to submit the Availability of its AC System along with the SLDC Certification for the same, during every truing up exercise.**

6.1.8 Submission of Completed Cost

The Commission once again directed the Petitioner to ensure timely submission of the completed cost of the project along with the scheduled CoD, actual date of commissioning and actual IDC incurred within 30 days of CoD of the projects/works.

Further, with regard to capitalization to be made by the Petitioner during Truing-Up of FY 2023-24, the Petitioner is directed to submit firm values for the Scheme Project Cost with all the supporting computations under Form 9.5 and Form 9A at one instance and refrain from revising the submissions and creating confusion time and again till the last opportunity available.

Petitioner's Submissions

The Petitioner submitted that in compliance with the Directive, the Petitioner has submitted the Form 9.5 for the Projects. Further with regard to the Project completed during FY 2023-24, the details are submitted in the Form 9.5 of this Petition.

Fresh Directive

The Commission has noted the compliance by the Petitioner. The Commission once again directs the Petitioner to ensure timely submission of the completed cost of the project along with The Commission has noted the compliance by the Petitioner. The Commission once again directs the Petitioner to ensure timely submission of the completed cost of the project along with the

scheduled CoD, actual date of commissioning and actual IDC incurred within 30 days of CoD of the projects/works.

Further, with regard to capitalization to be made by the Petitioner during Truing-Up of FY 2024-25, the Petitioner is directed to submit firm values for the Scheme Project Cost with all the supporting computations under Form 9.5 and Form 9A at one instance and refrain from revising the submissions and creating confusion time and again till the last opportunity available.

6.1.9 Submission of consistent information in proper format

The Commission directed the Petitioner to be consistent in the information to be submitted before the Commission.

Petitioner's Submissions

The details as directed by the Commission have been submitted in the requisite formats.

Fresh Directive

The Commission has noted the compliance by the Petitioner. The Commission directs the Petitioner to be consistent in the information to be submitted before the Commission.

6.1.10 ATC of Natural ISTS lines of PTCUL

The Commission once again directed the Petitioner to submit quarterly progress report before the Commission regarding ATC of Natural ISTS lines of PTCUL.

Petitioner's Submissions

PTCUL has separately booked the amount in its accounts as and when received against Natural ISTS lines.

Fresh Directive

The Commission has noted the compliance by the Petitioner. **The Commission once again directs the Petitioner to submit quarterly progress report before the Commission regarding ATC of Natural ISTS lines of PTCUL.**

6.1.11 Submission of DPR

The Commission directs the Petitioner to submit the DPR with the comprehensive cost benefits analysis at the time of filing the applications for investment approvals.

Petitioner's Submissions

The Petitioner submitted that the DPR's along with the comprehensive cost benefit analysis shall be submitted while filing applications for investment approvals.

Fresh Directives

The Commission has noted the compliance by the Petitioner. **The Commission once again directs the Petitioner to submit the DPRs with the comprehensive cost benefit analysis at the time of filing applications for Investment Approvals.**

6.1.12 Proposed Additional Capitalisation

During the analysis of the capitalisation claimed for FY 2021-22, the Commission observed that in many projects/schemes, the Petitioner has provided different capitalisation amount in different tariff forms for the same project. In this regard, the Commission directed the Petitioner to refrain from such practice and provide firm capitalisation amount in the subsequent true-up tariff proceedings. Further, if any ambiguity remains in subsequent true-up Petitions, the Commission shall consider the amount capitalised based on its discretion after prudence analysis based on the available information.

Petitioner's Submissions

The Petitioner submitted that the directives of the Commission are well taken and PTCUL will ensure that the consistency of data shall be maintained in all the requisite formats of the Petition.

Fresh Directives

Though the Petitioner submitted that PTCUL will ensure that the consistency of data shall be maintained in all the requisite formats, but the figures of capitalisation as submitted in Form 9.5 and Form 9A were not matching for the schemes capitalised during FY 2023-24. During the analysis of the capitalisation claimed for FY 2023-24, the Commission observed that in many projects/schemes, the Petitioner has provided different capitalisation amounts in different tariff forms for the same project and has frequently changed its submissions and Project Cost at every opportunity provided to the Petitioner reflecting the indecisiveness and inaccuracy with regard to the capitalization amount claimed by PTCUL during FY 2023-24.

In this regard, the Commission directs the Petitioner to refrain from such practice and

provide firm capitalisation amount in the subsequent true-up tariff proceedings. Further, if any ambiguity remains in subsequent true-up Petitions, the Commission shall consider the amount capitalised based on its discretion after prudence analysis based on the available information.

6.2 Fresh Directive

6.2.1 Additional Capitalisation Tariff Forms

The Commission directs the Petitioner that while claiming the additional capitalisation for the schemes which were capitalized in previous years, the Petitioner should submit the revised F-9.5 for prudence check, if the claimed cost in the present Petition was not included in the initial F-9.5 during the first time capitalisation of the scheme.

6.2.2 Details of Schemes capitalisation

The Commission directs the Petitioner to provide all the critical information to the Commission as per the UERC Tariff Regulations for prudence check of the scheme after the full capitalisation in the respective financial year. Further, the Commission directs the Petitioner to submit firm values for the Scheme Cost with all the supporting computations at one instance and refrain from revising the submissions and creating confusion time and again till the last opportunity available.

6.2.3 Approval for Additional Capitalisation

The Commission directs the Petitioner that for claiming the additional capitalisation due to scope change or modification in project for capitalised schemes in previous years, the Petitioner shall submit the revised form 9.5 along with supporting documents for such works for separate approval of the Commission.

6.2.4 Accounting Practice

The Commission directs the Petitioner to claim the work under the main scheme and not as an individual scheme for fresh capitalization. Moreover, the funding of additional capitalization projects from operational and maintenance expenses is deemed inappropriate and should be discontinued, as such accounting procedures introduce ambiguity in the course of prudent verification.

The Commission observed that most of the scheme capitalised in true up were initially booked under the R&M head of accounts and during the accounting treatment they were shifted to

the capital works. In this regard, the Commission directs the Petitioner to ensure that all the capital related works should only be booked under the capital investment head and only the works related to Repair and Maintenance (R&M) should be booked under the R&M head of book of accounts. Further, after the capitalisation of every capital work, Petitioner should provide all the critical information to the Commission as per the UERC Tariff Regulations for prudence check of the scheme after the full capitalisation in the respective financial year.

6.2.5 On Going Scheme Details

The Commission directs the Petitioner to submit status report of all ongoing capital expenditure schemes on monthly basis to the Commission for regular monitoring. PTCUL is also directed to publish the same on its website.

6.2.6 Handing over of assets maintained by UJVN Ltd. to PTCUL

The Commission from time to time has been directing the transmission licensee to discuss the issues of transfer of assets from UJVN Ltd. to PTCUL specifically w.r.t. assets installed within the switchyard of the UJVN Ltd. which should ideally fall under the ambit of transmission licensee as per the spirit of the Electricity Act, 2003. As per the Electricity Act, 2003, the generation has been de-licenced and provision of separate licences for transmission and distribution have been provided for enabling and enforcing accountability within the Power Sector of the Country. However, even after a passage of almost 20 years since formation of PTCUL still the assets between UJVN Ltd. and PTCUL have not been effectively bifurcated.

Therefore, the Commission is of the view that **UJVN Ltd. and PTCUL should make a comprehensive plant-wise plan before 30.06.2025 for transferring the assets ensuring the compliance of the directions of the Commission.**

(Anurag Sharma)
Member (Law)

(M.L. Prasad)
Chairman

7 Annexures

7.1 Annexure-1: Public Notice on PTCUL's Proposal for Multi Year Tariff from FY 2025-26 to FY 2027-28.

POWER TRANSMISSION CORPORATION OF UTTARAKHAND LTD. <small>(A Govt. of Uttarakhand Undertaking)</small> Corporate ID No. U40101UR2004SGC028675 "Vidyut Bhawan", Near-ISBT Crossing, Saharanpur Road, Majra, Near ISBT, Dehradun-248002, Uttarakhand, Phone No. 0135-2642006, Fax No. 0135-264360, Website www.ptcul.org								
PUBLIC NOTICE Inviting Comments on the Petition filed by PTCUL for approval of the True-Up of FY 2023-24, Annual Performance Review for FY 2024-25 and Multi Year Tariff for FY 2025-26 to FY 2027-28								
Salient features of MYT Petition Power Transmission Corporation of Uttarakhand Limited (PTCUL), a Transmission licensee in the State of Uttarakhand has filed a petition before the Commission for True up for FY 2023-24 based on audited Accounts & Annual Performance Review for FY 2024-25 and Multi Year Tariff for FY 2025-26 to FY 2027-28. The summary of proposals made by PTCUL for the aforesaid is given in the following Table: Summary of True Up, APR & MYT ARR of PTCUL for intra-State transmission network (₹ Crore)								
Sl No.	Particulars	FY 2023-24 (True-up)		FY 2024-25 (APR)		FY 2025-26	FY 2026-27	FY 2027-28
		Approved in Tariff Order dt. 30.03.2023	Claimed for True-up	Approved in Tariff Order dt. 28.03.2024	Revised Estimates	Proposed	Proposed	Proposed
1	O&M expenses	197.23	219.36	226.42	232.73	264.49	323.42	429.66
2	Interest on Loan	48.55	49.09	38.47	48.72	49.60	142.59	293.37
3	Return on Equity	53.59	75.61	56.30	83.33	92.57	168.44	291.52
4	Income Tax		25.32					
5	Depreciation	93.83	115.18	103.99	124.80	135.13	219.95	357.55
6	Interest on Working Capital	11.86	15.42	12.83	15.59	18.51	26.73	40.60
	Total ARR	405.06	499.98	438.01	505.16	560.30	881.15	1412.69
7	Add: True-up of previous year including carrying cost	(16.54)	(16.54)	(44.32)	(44.32)	105.73		
	Total ARR	388.52	483.44	393.69	460.84			
8	Less: Non-tariff Income	15.00	17.02	6.73	11.97	17.02	17.02	17.02
9	Less: Income from Short-term OA Charges	2.57	3.86	5.16	8.45	3.86	3.86	3.86
10	Less: Revenue from Natural ISTS Line	1.20	1.20	1.20	1.21	1.20	1.20	1.20
	Less: Revenue against Incentives billed to UPCL		1.39					
	Less: SLDC Charges	15.50	-	16.23				
	Net ARR (excluding SLDC)	354.25	459.96	364.37	439.22	538.21	859.06	1390.60
	ARR Including True up of FY 2023-24					643.94		
12	RoE on initial equity	-				771.40		
13	RoE on equity contributed by GoU through PDF	-				301.04		
14	Revenue (Surplus)/ Gap including carrying cost		105.73					

2. PTCUL has proposed a total increase of 76.73% for FY 2025-26 (which includes the true up impact of FY 2023-24) over the approved transmission charges for FY 2024-25. In addition, PTCUL has also claimed Rs. 1072.44 Crore on account of Return on Equity on initial equity and equity contributed by Government of Uttarakhand through PDF and considering this claim, the total increase works out to 371%. In case, the entire claim of PTCUL including that of RoE on initial equity and equity contributed through PDF is also accepted by the Commission, additional increase of 12.10% in consumer tariff shall be required over and above the hike proposed by UPCL.

3. Detailed proposals can be seen free of cost on any working day at the Commission's office or at the office of Managing Director, Power Transmission Corporation of Uttarakhand Limited, Vidyut Bhawan, Saharanpur Road, Majra, Near ISBT, Dehradun-248001, Uttarakhand. Relevant extracts can also be obtained from the above mentioned office of the Petitioner.

4. The proposals are also available at the website of the Commission (www.uerc.gov.in) and at PTCUL's website (www.ptcul.org).

5. Objections/suggestions are invited from the consumers and other stakeholders on the above proposals. These may be sent to the Secretary, Uttarakhand Electricity Regulatory Commission, either in person, or by post at Vidyut Niyamak Bhawan, Near I.S.B.T., P.O.-Majra, Dehradun - 248171 or through e-mail to secy.uerc@gov.in as a statement of objections or comments with copies of the documents and evidence in support thereof so as to reach the Secretary by 15.02.2025

RO No.: 77/HQPU/PTCUL Date: 09.01.2025 **Managing Director**
"Save Electricity in the Interest of Nation"

7.2 Annexure-2: Public Notice on PTCUL's Proposal for Business Plan from FY 2025-26 to FY 2027-28



POWER TRANSMISSION CORPORATION OF UTTARAKHAND LTD.
 (A Govt. of Uttarakhand Undertaking)
 "Vidyut Bhawan" Near ISBT, Crossing, Saharanpur Road, Majra, Dehradun-248002
 Corporate ID U40101UR2004SGC028675,
 Phone No. 0135-2642006, Fax No. 0135-264360, Website www.ptcul.org

Public Notice

Inviting Comments on the Petition filed by PTCUL
for approval of Business Plan for the Control Period from
FY 2025-26 to FY 2027-28

Power Transmission Corporation of Uttarakhand Limited (PTCUL), a Transmission licensee in the State of Uttarakhand has filed a petition before the Commission for approval of its Business Plan for FY 2025-26 to FY 2027-28 giving details of the activities proposed to be carried out by it during this Control Period.

2. Detailed proposals can be seen free of cost on any working day at the Commission's office or at the office of Managing Director, Power Transmission Corporation of Uttarakhand Limited, Vidyut Bhawan, Saharanpur Road, Majra, Near ISBT, Dehradun-248001, Uttarakhand. Relevant extracts can also be obtained from the above mentioned office of the Petitioner.
3. The proposals are also available at the website of the Commission (www.uerc.gov.in) and at PTCUL's website (www.ptcul.org).
4. Objections/suggestions are invited from the consumers and other stakeholders on the above proposals. These may be sent to the Secretary, Uttarakhand Electricity Regulatory Commission, either in person, or by post at Vidyut Niyamak Bhawan, Near I.S.B.T., P.O.-Majra, Dehradun- 248171 or through e-mail to secy.uerc@gov.in as a statement of objections or comments with copies of the documents and evidence in support thereof so as to reach the Secretary by 15.02.2025.

RO No. 77/HQPU/PTCUL Dated: 09.01.2025 Managing Director

"Save Electricity in the Interest of Nation"

7.3 Annexure-3: List of Respondents

Sl. No.	Name	Designation	Organization	Address
1.	Sh. Pankaj Gupta	President	Industries Association of Uttarakhand (IAU)	Mohabewala Industrial Area, Dehradun.
2.	Sh. Shakeel A. Siddiqui	Industrial Advisor	M/s Kashi Vishwanth Textile Mill (P) Ltd.	5th Km. Stone, Ramnagar Road, Kashipur
3.	Sh. Shakeel A. Siddiqui	Industrial Advisor	M/s Galwalia Ispat Udyog Pvt. Ltd	Narain Nagar Industrial Estate, Bazpur Road, Kashipur.
4.	Sh. Ashok Bansal	President	Kumaun Garhwal Chamber of Commerce & Industry	Chamber House, Industrial Estate, Bazpur Road, Kashipur.
5.	Shri Vijay Singh Verma	-	-	Delna, Post: Jhabrera, Distt: Haridwar.

7.4 Annexure-4: Participants in Public Hearings

List of Participants in Hearing at Lohaghat on 18.02.2025

Sl. No.	Name	Designation	Organization	Address
1.	Sh. Manohar Singh	-	-	Village-Matiyani, Rausal, P.O.- Madhuwa, Lohaghat, Distt. Champawat.
2.	Sh. Vivek Rai	-	-	Hathrangia, P.O.-Lohaghat-262524, Distt. Champawat.
3.	Sh. Chandar Chandra	-	-	Village-Jindi, Dhouni Shilang, Block-Lohaghat-262524, Distt. Champawat.
4.	Sh. Mukesh Kharkwal	-	-	Village-Patan, Chandmari Talli, P.O.- Lohaghat-262524, Distt. Champawat.
5.	Sh. Mahesh Chandra Joshi	-	-	Village-Kanera Patan, P.O.- Lohaghat-262524, Distt. Champawat.
6.	Sh. Rajendra Singh Bohra	-	-	Village-Gallagaon, P.O.- Gallagaon, Block Barakot-262524, Distt. Champawat.
7.	Sh. Manoj Kharkwal	-	-	Village-Patan, Chandmari Talli, P.O.- Lohaghat-262524, Distt. Champawat.
8.	Sh. Hayat Singh Mehra	-	-	Chandmari Talli, P.O.-Lohaghat-262524, Distt. Champawat.
9.	Sh. Manoj Kumar Joshi	-	-	Khari Bazaar, P.O.- Lohaghat-262524, Distt. Champawat.
10.	Sh. D.K. Joshi	-	-	Chandmari Talli, P.O.- Lohaghat-262524, Distt. Champawat.
11.	Sh. Harish Chandra Pant	-	-	Village-Chhulape, P.O.- Bardakhan - Distt. Champawat.
12.	Sh. Suresh Singh Vohra	-	-	Village-Koyati, Block-Lohaghat-262524, Distt. Champawat.
13.	Sh. Chandrakant Bisht	-	-	Village-Patan, Chandmari Talli, P.O.- Lohaghat-262524, Distt. Champawat.
14.	Sh. Manish Jukaria	-	RD Jukaria & Sons	Station Bazaar, P.O.- Lohaghat-262524, Distt. Champawat.
15.	Smt. Sarita Adhikari	-	-	Village-Kimtolli, P.O.- Malla Khadera, Block-Lohaghat-262524, Distt. Champawat.
16.	Sh. Ramesh Chandra Patni	-	-	Village-Patan Patani, P.O.-Lohaghat-262524, Distt. Champawat.
17.	Sh. Dinesh Singh	-	-	Village-Sirtoli, P.O.-Chaumel-262525, Lohaghat, Distt. Champawat.
18.	Sh. Ganga Datt Ghaitoria	-	-	Patan, near Alpine Convent School, Pithoragarh Road, P.O.- Lohaghat-262524, Distt. Champawat.

List of Participants in Hearing at Rudrapur on 19.02.2025

Sl. No.	Name	Designation	Organization	Address
1.	Sh. Teeka Singh Saini	Block President	Bhartiya Kisan Union	Office-61, Katoratal, Kashipur, Distt. Udham Singh Nagar
2.	Sh. Balkar Singh Fauzi	-	-	Village-Raipur Khurd, P.O.-Kashipur, Distt. Udham Singh Nagar
3.	Sh. Baljinder Singh Sandhu	District General Secretary	Bhartiya Kisan Union	Pega Farm, P.O.-Mahuakheraganj, Kashipur, Distt. Udham Singh Nagar
4.	Sh. R.K. Singh	Head (CPED & E)	M/s Tata Motors Ltd.	Plot No. 1, Sector 11, Integrated Industrial Estate, SIDCUL, Pantnagar-263153, Udham Singh Nagar.
5.	Sh. Shakeel A. Siddiqui	Industrial Advisor	M/s Galwalia Ispat Udyog Pvt. Ltd.	Narain Nagar Industrial Estate, Bazpur Road, Kashipur-244713, Distt. Udham Singh Nagar.
6.	Sh. Vipin Kumar	-	M/s Kashi Vishwanath Textile Mill (P) Ltd.	5 th KM, Stone, Ramnagar Road, Kashipur-244713, Distt. Udham Singh Nagar.
7.	Sh. Ashok Bansal	President	M/s Kumaon Garhwal Chamber of Commerce & Industry Uttarakhand	Chamber House, Industrial Estate, Bazpur Road, Kashipur, Distt. Udham Singh Nagar.
8.	Sh. Sanjay Kumar Adhlakha	Director	M/s Ambashakti Glass India Pvt. Ltd.	Plot No. 41, Sector-3, IIE, SIDCUL, Pantnagar, Rudrapur-263153, Distt. Udham Singh Nagar.
9.	Sh. Arunesh Kumar Singh	-	-	Village-Fulsunga, P.O.-Transit Camp, Rudrapur-263153, Distt. Udham Singh Nagar.
10.	Sh. Rajeev Gupta	-	M/s Kashi Vishwanath Steels Pvt. Ltd.	Narain Nagar Industrial Estate, Bazpur Road, Kashipur-244713, Distt. Udham Singh Nagar
11.	Sh. Devendra Dwivedi	-	-	Village-Fulsunga, P.O.-Transit Camp, Rudrapur-263153, Distt. Udham Singh Nagar.
12.	Sh. Than Singh Sammal	-	-	Village-Fulsunga, Bankhandi Colony, Phase-1, Rudrapur-263153, Distt. Udham Singh Nagar.
13.	Sh. Deepak Chandra	-	-	Village-Fatehpur, Barsati Road, Haldwani, Nainital.
14.	Sh. Vishal Sharma	President	Suraj Sewa Dal (Kumaon	Office-Shree Hari Enclave Colony, Phase-2, Cheenpur,

List of Participants in Hearing at Rudrapur on 19.02.2025

Sl. No.	Name	Designation	Organization	Address
			Division)	Haldwani-263139, Nainital, Uttarakhand.
15.	Sh. D.K. Bisht	-	Suraj Sewa Dal (Kumaon Division)	Office-Shree Hari Enclave Colony, Phase-2, Cheenpur, Haldwani-263139, Nainital, Uttarakhand.
16.	Sh. Ram Kumar Agarwal	Director	M/s Umashakti Steels Pvt. Ltd.	Village-Vikrampur, Post Off.-Bazpur-262401, Distt. Udham Singh Nagar.
17.	Sh. Govind Ballabh	-	Suraj Sewa Dal (Kumaon Division)	Office-Shree Hari Enclave Colony, Phase-2, Cheenpur, Haldwani-263139, Nainital, Uttarakhand.
18.	Sh. Sushil Kumar Tulsiyar	-	M/s Umashakti Steels Pvt. Ltd.	Village-Vikrampur, Post Off.-Bazpur-262401, Distt. Udham Singh Nagar.
19.	Sh. Nishant Kumar	-	M/s Ideal Energy Solutions Pvt. Ltd.	2 nd Floor, B-205, Pacific Business Park, 37/1, Maharajpur, Sahibabad Industrial Area, Site-IV, Ghaziabad-201010, Uttar Pradesh.
20.	Sh. Akash Agarwal	-	M/s Ideal Energy Solutions Pvt. Ltd.	2 nd Floor, B-205, Pacific Business Park, 37/1, Maharajpur, Sahibabad Industrial Area, Site-IV, Ghaziabad-201010, Uttar Pradesh.
21.	Sh. Praveen Singh	Plant Head	M/s Sanjay Technoplast Pvt. Ltd.	Pant Nagar Plant, Khata No. 182, Khasra No. 301, Min. Village-Fulsunga, Tehsil-Kichha, Rudrapur-263153, Distt. Udham Singh Nagar.
22.	Sh. Rahul Dev	Sr. Manager	M/s India Glycols Ltd.	A-1, Industrial Area, Bazpur Road, Kashipur-244713, Distt. Udham Singh Nagar.
23.	Sh. Daljeet Singh	-	District Court	Chamber No. 14, Rudrapur, Distt. Udham Singh Nagar.
24.	Sh. Sarabjeet Singh	-	District Court	Chamber No. 20, Rudrapur, Distt. Udham Singh Nagar.

List of Participants in Hearing at Gopeshwar on 24.02.2024

Sl. No.	Name	Designation	Organization	Address
1.	Sh. Gajendra Singh Rawat	-	-	Village-Gauna, Block Dhasoli-246424, Distt. Chamoli
2.	Sh. Manoj Tiwari	-	-	Hari Om Colony, Upper Bazaar, Gopeshwar, Distt. Chamoli
3.	Sh. Ravindra Jhinkwan	-	-	Village-Dungri, P.O.-Malkot-246426, Distt. Chamoli
4.	Sh. Arjun Bisht	-	-	CGRF, Gauchar, Karanprayag, Distt. Chamoli
5.	Sh. Pitambar Singh	Gram Pradhan	-	Village-Mana, Block Dhasoli-246424, Distt. Chamoli
6.	Sh. Hikmat Singh Negi	-	-	Kund Colony, Gopeshwar, Distt. Chamoli
7.	Sh. Manoj Bhandari	District Vice President	-	Garhwal Hotel, near Bus Stand, Gopeshwar-246401, Distt. Chamoli
8.	Sh. Vivek Negi	-	-	Hotel Comfort INN, NH-58, Badrinath Highway, Pipalkoti, Distt. Chamoli
9.	Sh. Pancham Singh Rawat	-	-	Near Govt. P.G. College, Stadium Gate, Gopeshwar-246401, Distt. Chamoli
10.	Sh. Surendra Singh Bisht	-	-	Vikrant Hotel, Peepalkoti, Distt. Chamoli
11.	Sh. Manvendra Pal	-	-	Hotel Vinayak, Village-Gari, Batula, Pipalkoti-246472, Distt. Chamoli
12.	Sh. Manmohan Singh	-	-	Mehra General Store, Peepalkoti- 246472, Distt. Chamoli
13.	Sh. Sachin Sati	-	-	Village-Kothiyalsain, Near Hanuman Mandir, Opp. Institute of Technology, Tehsil Chamoli-246424, Distt. Chamoli
14.	Sh. Harish Purohit	-	-	Village-Mayapur, Peepalkoti, Distt. Chamoli
15.	Sh. Devendra Singh Negi	Former District Panchayat Member	-	Village- Raitoli, Gram Sabha-Salla Raitoli, Vikaskhand-Dasholi, P.O.-Peepalkoti, Distt. Chamoli
16.	Sh. Ayodhya Prasad Hatwal	-	-	Nagar Panchayat & P.O.-Gadora, Peepalkoti, Distt. Chamoli
17.	Sh. Anil Negi	-	-	S/o Surendra Singh Negi, Village-Raitoli, P.O.-Peepalkoti-246472, Distt. Chamoli
18.	Sh. Atul Shah	-	-	C/o Hotel Ajay Palace, Main Market, P.O.-Peepalkoti, Distt. Chamoli

List of Participants in Hearing at Gopeshwar on 24.02.2024

Sl. No.	Name	Designation	Organization	Address
				Chamoli
19.	Sh. Sandeep Rawat	Chairman	Nagar Palika	Gopeshwar-246401, Distt. Chamoli
20.	Sh. Virendra Singh Rawat	Zonal President	-	Village-Lasi, Block-Dasoli-249146, Distt. Chamoli
21.	Sh. Pushpendra	-	-	Village-Gweelol, P.O.-Gopeshwar, Distt. Chamoli
22.	Sh. Deepak Rana	President	Vyapar Sangh	Peepalkoti, Distt. Chamoli
23.	Sh. Bhagat Singh Bisht	-	-	Village-Koteshwar, Block-Dasholi, Baragaon, Distt. Chamoli
24.	Sh. Pradeep Singh Bisht	-	-	S/o Late Sh. Bhopal Singh Bisht, Gopinath Mandir Marg, Gopeshwar- 246401, Distt. Chamoli
25.	Sh. Manoj Bisht	-	-	Near Jal Nigam Colony, Gopeshwar- 246401, Distt. Chamoli
26.	Sh. Vikram Singh Bartwal	District Panchayat Member	-	Kothiyalsain, Gopeshwar-246424, Distt. Chamoli
27.	Sh. Manish Negi	-	Hotel Rajput	Near Indralok Hotel, Main Station, Peepalkoti, Distt. Chamoli
28.	Sh. Pawan Rathore	-	-	Main Market Chamoli, Gopeshwar-246424, Distt. Chamoli
29.	Sh. Prakash Bartwal	-	-	Main Market Chamoli, Gopeshwar-246424, Distt. Chamoli
30.	Sh. Manish Parmar	-	-	Village-Malla Negwar, Gopeshwar-246401, Distt. Chamoli
31.	Sh. Harak Singh Negi	Former District President	Bhartiya Janta Party	Distt. Chamoli
32.	Sh. Sanjay Bisht	-	-	Aadarsh Colony, Gopeshwar, Distt. Chamoli
33.	Sh. Surendra Singh Pharswan	-	-	Village-Sartoli Dharkot, Block-Dasoli, Distt. Chamoli

List of Participants in Hearing at Dehradun on 28.02.2025

Sl. No.	Name	Designation	Organization	Address
1.	Sh. Pankaj Gupta	President	M/s Industries Association of Uttarakhand	Mohabewala Industrial Area, Dehradun-248110
2.	Sh. Rajiv Agarwal	-	M/s Industries Association of Uttarakhand	Patelnagar Cooperative Area, Patelnagar, Dehradun.
3.	Sh. Sanjeev Kumar Sharma	Office Executive	M/s Industries Association of Uttarakhand	C/o Satya Industries, Mohabewala Industrial Area, Dehradun-248110
4.	Shri Anil Goyal	-	Prantiya Udyog Vyapar Pratinidhi Mandal- Uttarakhand	13- Gandhi Road, Dehradun.
5.	Sh. Dinesh Mudgal	-	M/s Industries Association of Uttarakhand	Mohabewala Industrial Area, Dehradun-248110.
6.	Sh. Sunil Kumar Gupta	Editor	Teesri Aankh ka Tehalka	16, Chakrata Road (Tiptop Gali), Dehradun-248001.
7.	Sh. Gulshan Khanduja	-	M/s Shree Ganesh Roller Flour Mills	Mohabewala Industrial Area, Subhash Nagar, Dehradun
8.	Sh. Pawan Agarwal	Vice-President	M/s Uttarakhand Steel Manufacturers Association	C/o Shree Sidhbali Industries Ltd., Kandi Road, Kotdwar, Uttarakhand.
9.	Sh. Suresh Bansal	-	M/s Kukreti Steels Ltd.	F-23-27, E-73-76, Jasodharpur Industrial Area, Kotdwar.
10.	Sh. Veeru Bisht	-	-	Mohanpur, Post Off.- Premnagar, Dehradun-248007.
11.	Sh. Shashi Kant Singhal	-	M/s Shree Sidhbali Industries Ltd.	Kandi Road, Kotdwar-246149, Uttarakhand.
12.	Sh. Rakesh Bhatia	-	M/s Integrated Industries Association	E-8, Govt. Industrial Area, Patelnagar, Dehradun.
13.	Sh. Vinod Kavi	Convenor	Vidyut Samvida Ekta Manch	Hydel Colony, Near 33/11 kV Substation, Araghar, Dehradun-248001.
14.	Sh. Vijay Singh Verma	-	-	Village-Delna, P.O. Jhabrera, Roorkee-247665, Haridwar
15.	Sh. Yashveer Arya	-	-	Surbhi Enclave, Canal Road, Jakhan, Rajpur Road, Dehradun-248001.
16.	Sh. K.L. Sundriyal	General Secretary	M/s Prantiya Electrical Contractors Association- Uttarakhand	2(4/3), New Road, Near Hotel Relax, (Amrit Kaur Road), Dehradun.
17.	Sh. Shivraj Sarhadi	-	-	4/2, Punjabi Colony,

List of Participants in Hearing at Dehradun on 28.02.2025

Sl. No.	Name	Designation	Organization	Address
				Vikasnagar, Dehradun.
18.	Sh. Pankaj Agarwal	-	-	19, Dwarika Puri Extension, Shahid Ramesh Thapa Marg, GMS Road, Dehradun.
19.	Sh. Pankaj Bhatt	-	-	Shiv Shakti Colony, Zero Point Stand, Lower Nakronda, Dehradun-248008.
20.	Sh. Suresh Kumar	-	-	House No. 9, Chaman Vihar, Majra, Dehradun.