



# Uttarakhand Electricity Regulatory Commission

**'Vidyut Niyamak Bhawan',**

**Near ISBT, PO- Majra, Dehradun-248171**

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No. UERC/7/CL/910/Petition No. 92 of 2025/ **1563**

Date: **13**-January, 2026

To,

Managing Director,  
Power Transmission Corporation of Uttarakhand Ltd.,  
Vidyut Bhawan, Majra,  
Dehradun

**Sub.: Petition for Approval of True-up for FY 2024-25, Annual Performance Review (APR) for FY 2025-26 and Aggregate Revenue Requirement (ARR) for FY 2026-27 for PTCUL.**

Sir,

This is with reference to the Technical Validation Session held on 09.01.2026 at 3:30 PM at the Commission's office on the above-mentioned subject. In this regard, the minutes of the said TVS meeting are enclosed as **Annexure-A**. You are required to submit your reply in seven copies alongwith the soft copy of the same accompanied with an affidavit latest by **23.01.2026**.

Yours sincerely,

Encl. as above

  
(Neeraj Sati)  
Secretary



**Technical Validation Session on**

**PTCUL's Petitions for True Up of FY 2024-25, Annual Performance Review  
(APR) of FY 2025-26 and Aggregate Revenue Requirement for 2026-27**

**Minutes of Meeting (Technical Validation Session) held at UERC office on January 09, 2026**

**Present:**

**Shri M. L. Prasad (Chairman), UERC**

**Shri Anurag Sharma, Member (Law), UERC.**

**Shri Prabhat Kishore Dimri, Member (Technical), UERC**

**UERC:**

Shri Neeraj Sati, Secretary

Shri Deepak Pandey, Director (Finance/Tariff), UERC.

Shri Yashwardhan Dimri, Director (Technical), UERC.

Shri Gaurav Sabharwal, Joint Director (Finance/Tariff), UERC

Shri Vineet Mall, Assistant Director (Costing & Licensing)

Shri Suresh Gehani, Director (ABPS Infra.), Consultant, UERC

Shri Manish Ranjan, Deputy Manager (ABPS Infra.), Consultant, UERC

**Power Transmission Corporation of Uttarakhand (PTCUL) & SLDC**

Shri P.C. Dhyani, Managing Director, PTCUL

Shri A.K. Juyal, G.M. (HR), PTCUL

Shri G.S. Budiya, Director (Operation), PTCUL

Shri Mant Ram, Chief Engineer, PTCUL

Shri H.S. Hyanki, Chief Engineer, PTCUL

Shri Anupam Singh, Chief Engineer, PTCUL

Shri Jitendra Chaturvedi, Chief Engineer, PTCUL

Shri Illa Chandra, Chief Engineer, PTCUL

Shri Pankaj Kumar, Chief Engineer, PTCUL

Shri Vikalp Gautam, Superintendent Engineer (PI), PTCUL

Shri Pramod Kumar Dhyani, Superintendent Engineer, PTCUL

Shri Amit Kumar Singh, Superintendent Engineer PTCUL/SLDC

Shri Sanjeev Kumar Gupta, Superintendent Engineer, PTCUL

Shri Jyotir B.S. Rawat, Superintendent Engineer, PTCUL

Shri Rakesh Kumar, Superintending Engineer (PI), PTCUL

Shri Saima Kamal, Superintending Engineer (C&R), PTCUL

Shri S.K. Ravi, Executive Engineer (PI), PTCUL

Shri P. Dabral, Executive Engineer, PTCUL

Shri Ashok Kumar, Executive Engineer, PTCUL

Shri Pankaj Kumar, Executive Engineer (O&M), PTCUL

Shri Rakesh Bijalwan, Executive Engineer (O&M), PTCUL

Shri Santosh Vashisth, Executive Engineer, PTCUL

Shri Pankaj, AE (O&M), PTCUL

Shri C.P. Joshi, AE (O&M), PTCUL

Shri Tarun Singhal, SAO, PTCUL

Shri Rahul Panwar, AO, PTCUL

Shri Shubham Pant, Consultant, PTCUL

The queries raised by the Commission and the replies submitted by PTCUL were discussed in detail as follows:

**A. Queries w.r.t to capitalisation for FY 2024-25, FY 2025-26 and FY 2026-27**

1. In reply to query no. 5 dated 15.12.2025, PTCUL submitted a total capitalization of Rs. 252.80 Crore, whereas in reply to query no. 3 dated 07.01.2026, the net asset addition as per Audited Accounts was submitted as Rs. 240.80 Crore. The details are as follows. PTCUL has agreed to clarify the actual capitalisation figure for FY 2024-25 reconciled with Annual Accounts.

Breakup submitted in Petition and Replies	Amount (in Rs Crore)	Reconciliation with Audited Accounts submitted in replies	Amount (in Rs Crore)
Value of Works as Per form 9A	242.93	As per accounts	246.44
Value of Works as Per Form 9.8	6.7	UITP	2.73
Land asset (at 132 kV (O&M) Division, Bhupatwala)	2.14	SCADA	2.9
Computer & IT asset	0.72	Net asset addition	240.8
Office Equipment asset	0.19		
Furniture and Fixture asset	0.12		
<b>Total</b>	<b>252.8</b>		

Further, it was pointed that the SCADA addition of Rs. 2.90 Crore mentioned in the replies does not match the actual net GFA addition of Rs. 2.10 Crore claimed in the SLDC Petition. PTCUL has agreed to reconcile the figures and submit the same.

2. It was observed that PTCUL, in its reply to query no. 4(8) dated 26.12.2024, has submitted the details of the physical and financial progress achieved till date against the respective expected dates of completion. It was further observed that the physical and financial progress in respect of certain schemes has been reported as less than 50%. PTCUL has agreed to re-assess the likely dates of completion by correlating the actual physical progress with the corresponding financial progress and to submit the revised capitalisation dates for such schemes. PTCUL has also agreed to submit the following details for each of the scheme proposed to be capitalised in second half of FY 2025-26.
  - Schedule as per LoA / Work Order with date of commissioning
  - Status of receipt of all the equipment's at site
  - ROW status
  - Schedule for Erection, Testing and Commissioning and actual status

S.N. As per Form	Project Details	Date of Capitalization	Physical Progress (%) till date	Financial Progress (%) till date (From Field)	Amount(in Rs. Crore)
1	132 kV GIS Substation Araghar	31-03-2026	62%	39%	155.79
2	Construction of LILO of 132 kV Majra-Laltappar line at proposed 132 kV sub-station Araghar Dehradun through 132 kV underground Cable		51%	52%	29.39
3	220 kV GIS substation Selaqui	31-03-2026	68%	28%	130.19
4	Construction of LILO of 220 kV Khodri-Jhajra line at 3 proposed 220 kV Selaqui Dehradun with underground cable		65%	42%	17.98
5	Construction of 132 kV GIS Substation Lohaghat	31-03-2026	64%	45%	120.21
6	Stringing of Second circuit of 132 kV D/C Transmission line on panther conductor from Pithoragarh (PGCIL) Champawat (Lohaghat) line for 132 kV sub-station Lohaghat		96%	55%	8.53
7	132 kV Single Circuit line on D/C Tower from Pithoragarh to Champawat (Lohaghat)		100%	100%	85.09
8	Construction of 132 kV GIS Substation Khatima	31-03-2026	66%	41%	124.04
9	Construction of LILO of 132 kV Khatima Sitarganj line at 132 kV S/s Khatima		50%	11%	5.02
10	Construction of 132 kV GIS Substation Dhaulakhera	31-03-2026	67%	41%	116.29
11	Construction of LILO of 132 kV Kathgodam Pantnagar line at 132 kV S/s Dhaulakheda		42%	15%	2.00
67	Construction of 132 kV Overhead D/C Transmission Line at Rishikesh, Srinagar and Sivai for proposed TSS of RVNL	31-03-2026	75%	73%	10.25
68	Construction of 132 kV GIS Switching Substation for RVNL at Rishikesh and 132 kV GIS Switching Substation for RVNL at Ranihat (Srinagar)	31-03-2026	35%	4%	68.34
69	Construction of 66 kV D/C Line for LILO of 66 kV Karanprayag - Kothiyalsain Line at 132 kV Substation, Simli	31-03-2026	52%	38%	9.92
70	Construction of 132 kV & 66 kV Bays and installation of 3x20 MVA, 132/66 kV Transformer at 132 kV Substation, Simli	31-03-2026	44%	10%	38.14
72	Augmentation of 220 kV Substation Jhajhra (from 2x160 MVA to 3X160 MVA Transformer at 220/132 kV Voltage Level and 2x80 MVA to 3x80 MVA Transformer at 132/33 kV Voltage Level)	31-03-2026	60%	12%	63.75
	<b>Total</b>				<b>984.93</b>

3. It is observed that PTCUL has not claimed some of the projects as listed below the which have been approved in the Business plan for FY 2025-26 . PTCUL has agreed to submit the details and reasons for same.

Sl. No.	Project	Approved (Rs Crore)
1.	Replacement of Panther conductor of Majra-Jhajhra Line with HTLS Conductor	19.19
2.	Upgradation of Substation Automation System (SAS) at 220 kV Substation, Kamaluaganja, and 220 kV Substation, Jafarpur	11.03
3.	Supply and erection of online transformer oil moisture removal system at various Substation under O&M Circle Roorkee	4.38
4.	Procurement and installation of online dry out system at various Substations of Kumaon Zone	4.38
5.	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
6.	Construction of Well foundations at Tower Location No 76 of 132 kV Bazpur - Haldwani Transmission line	1.74
7.	Construction of Well foundation and pile foundation at 132 kV Kashipur-Bazpur Transmission Line, Kashipur	2.36
8.	Construction of Well foundation of 132 kV Kalagarh-Ramnagar and Jaspur-Kashipur DC Transmission line, Kashipur	1.62

Sl. No.	Project	Approved (Rs Crore)
9.	Construction of Well foundation of 220 kV Kashipur- Pantnagar Transmission line	1.62
10.	Construction of approach road at 132 kV S/S Almora	0.76
11.	Construction of project office at 132 kV Srinagar	0.4
	<b>Projects shifted from FY 2024-25 to FY 2025-26</b>	
1.	Work of Procurement and installation of 132 kV Hybrid Circuit Breaker for Transformer Bus at 132 kV S/s Bhagwanpur	1.71
2.	Supply of Circuit Breakers (CB) at 220 kV Substation Piran Kaliyar	0.54
3.	Work of Up- gradation of the D400 system at 220/132 kV Jhajra	4.58
	<b>Total</b>	<b>57.57</b>

4. It is observed that PTCUL has submitted the details of physical and financial progress of the schemes likely to be capitalised in FY 2026-27. The current status of the schemes and likely capitalisation date was discussed in detail. PTCUL has agreed to re-assess the likely dates of completion by correlating the actual physical progress with the corresponding financial progress and to submit the revised capitalisation dates for such schemes. PTCUL has also agreed to submit the following details for each of the scheme proposed to be capitalised in second half of FY 2025-26.

- Date of submission of DRP to the Commission for in-principle approval
- Date of In-Principle Approval
- Schedule as per LoA /Work Order with date of commissioning
- Status of receipt of all the equipments at site
- ROW status
- Schedule for Erection, Testing and Commissioning and actual status

S. No.	Name of Scheme	Amount (in Rs. Crore)	Physical Progress (%) till date	Financial Progress (%) till date
1	Ampacity Enhancement of 220 kV Roorkee-Puhana Line with HTLS Conductor	13.95	5	0
2	Replacement of old ACSR Zebra Conductor with HTLS Conductor of 220 kV SIDCUL-Rishikesh Line	35.63	0	0
3	LILO of 220 kV Roorkee-Nara Line at proposed 220/132/33 kV Substation Manglore. (ADB)	2.48	55	12
4	Augmentation of Transformer capacity from 2x160 MVA (220/132kV) 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	5	0



S. No.	Name of Scheme	Amount (in Rs. Crore)	Physical Progress (%) till date	Financial Progress (%) till date
5	Supply, Erection, Testing and Commissioning of 33 kV 20 MVAR (2x2x5) Capacitor Bank and 33 kV AIS Bay at 220 kV Sub-Station Jalarpur, Supply, Erection, Testing and Commissioning of 2x5 MVAR Capacitor Bank and 33 kV GS Bay for Capacitor Bank at 132 kV GIS Substation Bageshwar end "Supply, Erection, Testing and Commissioning of new 1x10 MVAR Capacitor Bank at 220 kV Substation Pantnagar.	10.15	0	0
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	0	0
7	220/33 kV GIS S/s Ghansali	277.23	10	4.26
8	220/132/33 kV (2x160 MVA+ 2x40 MVA) AIS Substation, Manglore (ADB)	123.86	45	12
9	Replacement of old ACSR Panther Conductor with HTLS Conductor of 132 kV Rishikesh-T Point-Chilla-Bhupatwala Line	31.37	0	0
10	Replacement of Panther conductor of Majra-Jhajhra Line with HTLS Conductor	19.19	5	0
11	LILO of 132 kV Manglore-Asahi Line & Manglore Air Liquid Line at 220 kV S/s Manglore (ADB)	3.29	25	13
12	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 (22.0 km) and first circuit of 132 kV Sitarganj-Kichha line (31.5 kms).	59.42	5	0
13	Increasing capacity of 220 kV Sub-station SIDCUL, Haridwar form 2X80(132/33 kV) Transformer to 3X80 MVA (132/33 kV) Transformer	26.19	0	0
14	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	0	0
15	Augmentation of 132 kV Substation from 3x40 MVA T/F to (2x40 MVA + 1X80 MVA) at 132 kV S/s Laksar	24.36	3	0

S. No.	Name of Scheme	Amount (in Rs. Crore)	Physical Progress (%) till date	Financial Progress (%) till date
16	Increasing Transformation capacity from 3x40 MVA to 1x40 MVA + 2X80 MVA at 132 kV Substation Bhupatwala	45.71	0	0
17	Augmentation of Transformer capacity from 3x40 MVA (132/33 kV) to 2x40 +1x 80 MVA at 132 kV Substation Majra	23.35	0	0
18	Construction of Type IV Quarter at 132 kV Substation, Srinagar (Garhwal)	0.67	25	0
	<b>TOTAL</b>	<b>764.40</b>		

#### **B. Detailed Queries related to True up for FY 2024-25**

5. With regards to the Project- “220/33 kV GIS Substation at Baram (Jauljivi), Pithoragarh and its associated lines”

- i. It was observed that, as per the LoA dated 15.11.2016, the Construction of the 220/33 kV GIS Substation at Baram (Jauljivi), Pithoragarh was scheduled to be completed within a period of 15 months; however, the said work has been completed after a delay of about 8 years and 2 months. PTCUL clarified that no LD has been levied on the Contractor. PTCUL has agreed to submit justification for not levying any penalty/liquidated damages along with supporting documentary evidence. PTCUL has also agreed to submit the status of Contract Closure.
- ii. It was observed that, as per the LoA dated 14.10.2015, the construction of LILO of the 220 kV Dhauliganga-Pithoragarh PGCIL line at the proposed 220/33 kV GIS Substation, Baram (Jauljivi), Pithoragarh was scheduled to be completed within a period of 15 months; however, the work has been completed after a delay of about 8 years and 4 months. PTCUL has agreed to submit the details of Penalty/Liquidated Damages, if any, claimed for the delay in execution of supply and erection works, in accordance with the provisions of the agreement executed with the contractor. PTCUL further agreed that, in case no penalty/liquidated damages have been claimed, the reasons thereof along with supporting documentary evidence shall be submitted. PTCUL has also agreed to submit the status of Contract Closure.
- iii. It was observed that PTCUL, at page 2919, has submitted that the delay during the period from 12.11.2020 to 13.05.2021 was attributed to the non-

availability of engineers of M/s TBEA. It was further observed that the Indian GIS erection team authorised by M/s TBEA was available at site by 24.10.2020; however, the interfacing work of the 220 kV GIS was stopped on 12.11.2020 due to the non-availability of two numbers of 25 MVA three-phase power transformers. PTCUL has further submitted that inspection approval for the said transformers was accorded on 10.02.2021, subsequent to which the transformers were dispatched, reached the site on 30.03.2021, and were placed on plinth on 10.04.2021, resulting in stoppage of work during the said period. PTCUL has agreed to explain the reasons for non-synchronisation of the availability of the above transformers with the readiness of the GIS erection and commissioning activities, despite the erection team being available at site.

- iv. It was observed that PTCUL, at page 2912 of the Petition, has submitted that the substation layout approved on 07.03.2017 was subsequently shifted uphill on account of the proposed Pancheshwar Dam reservoir level, and that the design of cable termination for the 220 kV GIS building underwent multiple revisions during the period from March 2017 to October 2017 due to site constraints. PTCUL has agreed to justify why the potential impact of the proposed Pancheshwar Dam and the associated reservoir level was not assessed at the planning and layout finalisation stage, prior to the approval of the initial substation layout on 07.03.2017. PTCUL further agreed to justify the reasons for multiple changes in the layout and cable termination design after the approval of the initial layout.
- v. It was observed that PTCUL has submitted a copy of the termination letter issued to the contractor dated 13.04.2023 at page 3471 of the Petition. PTCUL has agreed to submit the details of the Performance Bank Guarantee encashed by PTCUL. Further, PTCUL also agreed to submit a copy of the agreement dated 13.04.2023. PTCUL also agreed to clarify whether any interest was earned in case the Performance Bank Guarantee was encashed and, if so, to submit the details thereof.
- vi. It was observed that PTCUL has submitted that the contract dated 20.01.2015 was terminated due to non-performance of the contractor vide letter No. 228 dated 13.04.2023 (Page 3160, Point 13 – Reasons of Delay, Dhauliganga). PTCUL has agreed to explain the specific reasons for the delay of about four years in termination of the contract, from 2019 to April



2023, despite the contractor's non-performance being evident at an earlier stage. PTCUL further agreed to submit the details of any proceedings before the National Company Law Tribunal (NCLT) / insolvency proceedings involving M/s Drake & Scull, in support of its submission that the said delay was legally 'uncontrollable'.

- vii. It was observed that PTCUL has submitted in Table-A (Sl. No. 13) that, although the substation was ready, its commissioning was delayed by 943 days (from August 2022 to March 2025) due to the non-availability of the associated 220 kV transmission line. PTCUL has agreed to submit the details of interest treatment for the period from 31.08.2022 till the date of capitalisation, i.e. 31.03.2025, considering that the substation was completed in August 2022.
- viii. PTCUL has agreed to submit the year-wise details of Interest During Construction (IDC) computation with the phasing of expenditure from the date of LoA till the date of commissioning in MS-Excel for each work mentioned below:

Sl. No.	Work
1	Construction of 220/33 kV GIS Substation at Baram (Jauljivi), Pithoragarh*
2	Construction of Boundary & Protection wall at 220 kV GIS S/s Baram (Jauljivi) Pithoragarh
3	Construction of 1 No Type IV, 4 Nos. Type-III & 10 Nos Type-II Residences and Development works & Construction of Development of terraces, Protection Wall, C.C road, Drain and Water Supply main for colony at 220 kV GIS Substation Baram
4	Construction of LILO of 220 kV Dhauliganga - Pithoragarh PGCIL line at proposed 220/33 kV GIS S/s Baram (Jauljivi) Pithoragarh
5	Construction of Balance work of 220 kV DC Line from 220 kV GIS Baram substation to Loc. No. 26 (i.e. LILO of 220 kV DC Dhauliganga Pithoragarh PGCIL line at 220 kV GIS Baram)
6	Construction of 220 kV DC Line from Loc. No. 27 (i.e. LILO of 220 kV DC Dhauliganga Pithoragarh PGCIL line at 220 kV GIS Baram) to 400 kV Substation PGCIL Jauljivi

*\*(For Baram Substation-clear breakup for FY 2022-23-from April 2022 to August 2022 and August 2022 to April 2023)*

- ix. It was observed that PTCUL, at page 1055 of the Petition, has submitted the details of expenditure incurred against the Original DPR for the LILO of the 220 kV DC Dhauliganga-Pithoragarh (PGCIL) line at the 220 kV GIS Baram substation. PTCUL has agreed to clarify the difference between the amount claimed in Form 9.5 and the expenditure submitted under the revised DPR agenda, as indicated in the table below.

Sl. No.	Particular	Details (in Rs. Crore)	Expenses (in Rs. Crore)	Sl. No.	Particular	Amount (in Rs. Crore)
1	Base Cost	12.77	1.71	1	Material supply	1.06
2	Qty Variation on 20% of base cost	2.55	0.00	2	Erection	0.93
3	Contingency @3%	0.46	0.00	3	Price Variation against supply and erection	0.22
4	Cost of establishment audit and accounting @15%	2.37	0.98	4	Establishment and Audit & Account & Contingencies, Miscellaneous Exp. Etc.	1.72
5	PTCC	0.004	0.00	5	Crop & Land compensation & PTCC	0.02
6	Crop compensation	0.05	0.02			
7	Forest clearance	1.44	2.73	6	Forest Case Clearance of Line	2.73
8	cost escalation @ 20% of total cost	3.93	0.20			
9	IDC	2.53	1.06	7	IDC	1.40
10	Expected expense	-	1.5			
11	<b>Total cost</b>	<b>26.09</b>	<b>8.20</b>		<b>Total</b>	<b>8.08</b>

6. With regards to the Project- *"Supply and erection of online Transformer oil moisture removal system at various substation under Kumaon zone PTCUL, Haldawni"*
  - i. It was observed that, in reply to Query No. 2(b), Sl. No. 3 dated 29.12.2025, PTCUL has submitted that the project is funded under the SASCI scheme (Annexure-2(D)) and that, for the purpose of tariff determination, a normative debt-equity ratio of 70:30 has been considered. PTCUL has agreed to submit the details of the SASCI scheme along with supporting documentary evidence to substantiate the same.
7. With regards to the project – *"Construction work 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 it's LILO at Vyasi against LOA no 38/SE(C&P-II)/PTCUL/rerouting/2023-24 dated 07.02.2024(2.005 Km)"*
  - i. It is observed that PTCUL has submitted Form 9.5 for the projects in Excel format along with the Petition. PTCUL has agreed to submit a detailed work-wise and vendor-wise break-up of the liabilities/provisions amounting to Rs. 2.35 crore, clearly indicating the nature of each liability and the period to which it pertains.
8. With regards to the project – *"Augmentation of Transformation Capacity from 2x40 MVA (132/33 kV) to 3x40 MVA (132/33 kV) by supply, installation, testing and commissioning of 40 MVA (132/33 kV) transformer and construction of associated 132 kV and 33 kV bays at 220/132/33 kV Substation, Rishikesh under 220 kV O&M Division, Rishikesh."*

- i.) It is observed that PTCUL in its reply dated 29.12.2025 to query 2 Sl. No. 8, has submitted that the reason for the increase for the cost from investment approval that is *"1.Main and Auxiliary Structure increased (12 MT to 19 MT), MS Round (4 MT to 17 MT), Deep driven pipe electrode (6 Nos to 26 Nos.) for extended 33 kV switchyard and associated areas as per site requirement as well as corresponding erection work too increased.2. Armoured Control Cable increased (4 cores- 2 km to 5.2 km, 6 cores: 2 km to 5.45 km and 10 cores- 1.5 km to 9.26 km) due to cable schedule at actual (including spare) as well as laying work too increased. 3. Erection and Civil work/RCC increased (95 cu.m. to 256 cu.m.) for additional 132 KV tower as per site requirement."*

In this regard

- a) PTCUL has agreed to provide a detailed break-up of the additional cost of Rs. 4.18 crore, representing the difference between the work order amount of Rs. 11.87 crore and the claimed amount of Rs. 16.05 crore.
  - b) PTCUL further agreed to clarify whether any approval was obtained for the variation in quantities.
  - c) PTCUL also agreed to submit a detailed break-up of the Price Variation (PV) amounting to Rs. 53.31 lakh as reflected in Form 9.5.
9. With the regards to project- *"Repairing (refurbishment) of 01 No. 40 MVA 132/33 kV Transformer ALSTOM make at 132 kV Sub-Station Roorkee."*
- i.) It was observed that, in its reply dated 29.12.2025 to query 2 Sl. No. 10 submitted the reason for the variation that *"Major parts of the Transformer have been replaced by new ie. all HV/LV windings, Transformer oil, all HV/LV bushings, Buchholz Relay, PRV, MOG & Gasket except core & body. After above repairing work, it resulted in enhancement of asset life, capacity and future economic benefits and therefore meets the criteria for capital expenditure."* In this regard PTCUL has agreed to submit the Life Cycle Assessment (LCA) report of the repaired transformer in support of the above submission.
10. With the regards to project- *"Repairing (Refurbishment) of 01 No. 40 MVA, 132/33 kV Transformer ABB make at 132 kV Substation Bhagwanpur"*
- i.) It was observed that, in its reply dated 29.12.2025 to query 2 Sl. No. 12 PTCUL has submitted the reason for the variation of the capitalisation that *"Investment approval had been taken of Rs. 1.29 with GST extra as applicable. In the submitted Form 9.5, GST on buy back material had been*

left due to typing error. Actual capitalized amount is 1.49 Crore with GST against investment approval of Rs. 1.52 Crore with GST". In this regard, PTCUL has agreed to clarify whether any additional buy-back has been undertaken for the replacement or repair works for other projects.

- ii.) PTCUL has also agreed to provide the Life cycle assessment report of the repaired transformer.

11. With regards to the project- *"Work for repairing (refurbishment) of 01 NO. 40 MVA 132/33 kV Transformer ALSTOM Make at 132 kV Sub-Station, Jwalapur"*

- i. It was observed that in its reply dated 29.12.2025 to query 2 Sl. No. 13 PTCUL has submitted that *"In Form-9.5 mentioned that expenditure of Rs. 1.38 Crore incurred on repair of 01No. 40 MVA 132/33 kV Transformer and balance amount of Rs. 1.25 Crore is the cost of unrepaired transformer which was already capitalized in books of accounts and needs to be adjusted."* It is observed that at page 2205 of the Petition it was mentioned that in the internal approval that *"Power Transformer to be funded from internal resources from R&M Expenditure"*. PTCUL has agreed to explain the reasons for not booking the said expenditure under Repair and Maintenance, despite of the internal approval to that effect.

12. With regards to the Project- *"Work of Supply, Installation, Testing and Commissioning of NIFPS at 2X80 MVA(IMP Make) Transformers at 220 kV S/s Mahuakheraganj"*. It is observed that 220 kV S/s Mahuakheraganj was commissioned in 24.11.2011. PTCUL has agreed to clarify whether NIFPS was considered during the initial capitalisation of the substation substantiating with the documentary proof such as LoA, and related forms of initial capitalisation.

13. With regards to the Project-*"Supply and Erection of online Transformer oil moisture removal system at various substation under Kumaun zone PTCUL, Haldawni"*

- i. It was observed that the online Transformer Oil Moisture Removal System has been executed on a piecemeal basis under the Repair and Maintenance (R&M) head, whereas the work appears to be suitable for execution by PTCUL Headquarters through a centralised tender covering all substations in Uttarakhand.

PTCUL has agreed to justify the rationale for adopting the aforesaid approach.

14. It was observed that, at page 2 of Sl. No. 3 of the Independent Auditor's Report, it has been stated that the Company has not conducted physical verification of its property, plant and equipment during the current year and that, as represented to the auditors, the last such verification was carried out in the financial year 2023-24. PTCUL has agreed to submit the detailed reasons for non-completion of physical verification of assets during the current year. PTCUL further agreed to submit the current status of asset tagging, division-wise, for all assets.
15. PTCUL has agreed to provide the justification for the difference in the details of the Loan borrowing as shown in the table below:

Details of Loan for FY 2023-24			
Particular	Total	UITP	Non-UITP
Net closing long term borrowings	1,153.51	594.59	558.92
Details of Loan for FY 2024-25			
Net opening long term borrowings	1,138.79	584.49	554.30

16. It was observed that, in its reply dated 29.12.2025, PTCUL has submitted a comprehensive list of Repair and Maintenance (R&M) expenses amounting to Rs. 58.72 Crore for FY 2024-25. It was further observed that works of a similar nature have also been booked under capitalisation, as detailed in **Annexure-A1**. PTCUL has agreed to clarify its policy and criteria for booking expenditure under Repair and Maintenance or capitalisation.
17. It was observed that PTCUL, in its reply to Query No. 2, Sl. No. 15 dated 29.12.2025, has submitted the details of other projects in Annexure-2(M). It was further observed that the Commission, in its Tariff Order dated 11.04.2025, at para 4.21, had approved capitalisation under the 'Other Schemes' category for FY 2023-24. It was also observed that PTCUL has claimed certain works of a similar nature again during FY 2024-25. PTCUL has agreed to justify the reasons for claiming projects of similar scope, as indicated in the table below, in the immediately succeeding year, and to submit a detailed justification along with supporting documentary evidence establishing the necessity, urgency, and technical grounds for such claims.

Works claimed in FY 2024-25			Work approved in Order dated 11.04.2025 for FY 2023-24		
S. No	Project Name	Amount in Crore	S. No	Project Name	Amount in Crore
17	Supply, Installation, testing and commissioning of 220 V/800 Ah tubular battery bank at 400 kV S/s, Kashipur under 400 kV O&M Division, PTCUL, Kashipur.	0.56	10	Supply, Installation, Testing and Commissioning of 220V/800AH Tubular Battery Bank at 400KV S/s Kashipur	0.54



Works claimed in FY 2024-25			Work approved in Order dated 11.04.2025 for FY 2023-24		
S. No	Project Name	Amount in Crore	S. No	Project Name	Amount in Crore
27	Work of new turfing at 80 MVA side bay and capacitor bank at 132 kV Sub-station Bazpur	0.58	20	Work of turfing at 132 kV bays at 132 kV Sub-station Bazpur	0.56
28	Construction of new boundary wall around sub-station campus and repair of trench covers and approach road for switchyard at 132 kV Sub-station Bazpur	0.34	16	Work of construction of new boundary wall around sub-station campus at 132 kV Sub-station Bazpur.	0.24
49	Construction of fall Ceiling with gypsum plaster board and installation of fire smoke detection system at 132 kV S/s Bhowali under 220 kV O&M Division Haldwani.	0.16	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
77	Supply, Erection and Commissioning of 110 Volt 300 AH Lead Acid Battery Set at 132 kV Substation Purkul, Dehradun	0.13	43	Replacement of 110 Battery Set and Battery Charger at 132 kV substation Purkul Dehradun	0.22
86	Procurement of 36 kV Vacuum Circuit Breaker at 132 kV substation Majra	0.11	59	Replacement of old 33 kV VCB Circuit Breaker at 132 kV S/s Majra, Dehradun	0.26
90	Supply & Erection for replacement of old 110 Volt 300 AH lead acid Battery Set and Maintenance of chargers at 132 kV Substation Bindal, Dehradun	0.17	44	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.	0.24
91	Work of Replacement of old 33 kV Switchgear at 132 kV S/s Bindal Dehradun	0.12	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
128	Procurement, Erection, Testing & Commissioning of 220 Volt 400 Ah Battery Bank set with associated works at 400 kV Sub Station Rishikesh.	0.23	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
129	Supply, Erection, Testing & Commissioning of stand by Battery Charger for 220 Volt 400 AH Tubular Transparent Battery Bank at 400 kV Sub Station Rishikesh.	0.14	68	Procurement, Erection, Testing & Commissioning Battery Charger for 220 Volt 400 Ah tubular Battery Bank at 400 kV S/s Rishikesh	0.15
134	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	57	Providing and installation of Electric Fencing in 400 kV & 220 kV Switch yard at 400 kV S/s Rishikesh	0.27

Works claimed in FY 2024-25			Work approved in Order dated 11.04.2025 for FY 2023-24		
S. No	Project Name	Amount in Crore	S. No	Project Name	Amount in Crore
176	Const. of boundary wall and drain between 33 kV S/s Campus and IDPL at 400/220/132/33 kV S/s Virbhadrha Rishikesh	0.58	1	Construction of boundary wall for 400/220/132 kV S/s Virbhadrha, Rishikesh	1.24
	<b>Total</b>	<b>3.37</b>		<b>Total</b>	<b>4.65</b>

18. It was observed that PTCUL, in its reply to Query No. 2, Sl. No. 15 dated 29.12.2025, has submitted the details of other projects in Annexure-2(M). Reference in this regard shall be made to **Annexure-A2**. In this regard PTCUL has agreed to submit the following:

- i. Reconcile replacement work with de-capitalisation amount of Rs. 9.08 Crore in the format given below:

Asset details	Scheme	Date of Capitalisation	Date of De-capitalisation	Gross block of Old asset

- ii. PTCUL has agreed to clarify, in respect of the work of Renovations mentioned in Form-9A in the table give below duly substantiating with copies of the relevant work order(s).

Sl. No. As per 9A	Particulars	Details of Old Asset				
		Scheme	Date of Capitalisation	Date of De-capitalisation	Cost of Original Work	Amount of Decapitalisation

- iii. Clarify in respect of each replacement work referred to in **Annexure-A2**, whether the replaced components have been transferred to stores.
- iv. PTCUL agrees to provide warranty details of repaired assets and other details of the works in the format shown below:

S.N. As per 9A	Particulars	Details of Main Asset being repaired	
		Scheme	Date of Capitalisation
140	Repairing (refurbishment) of 01 No. 40 MVA 132/33 kV Transformer ALSTOM make at 132 kV Sub-Station Roorkee.		
162	Work for Repairing (refurbishment) of 01 No. 40 MVA 132/33 kV Transformer ALSTOM Make at 132 kV Sub-Station, Jwalapur		
165	Order for Work of Erection and Commissioning of Repaired 40 MVA 132/33 kV Transformer at 132 kV Substation Bhupatwala		
154	Repairing (Refurbishment) of 01 No. 40 MVA, 132/33 kV Transformer ABB make at 132 kV Substation Bhagwanpur		

19. PTCUL has agreed to submit the breakup of Note-2 i.e. Property, Plant & Equipment between UITP and Non-UITP duly reconciling the same with audited annual accounts for FY 2024-25 in the following format:

Particular	UITP				Non-UITP			
	Gross Opening GFA	Addition to GFA	Deletion	Gross Closing GFA	Gross Opening GFA	Addition to GFA	Deletion	Gross Closing GFA
Land								
Buildings								
Hydraulic Works								
Other Civil Works								
Plant & Machinery								
Lines & Cable Network								
Vehicles								
Furniture and Fixtures								
Office Equipment								
Computers & IT Equipment								

20. It was observed that PTCUL, in its reply to Query No. 8 dated 29.12.2025, has submitted the details of deposit works. PTCUL has agreed to rectify the deficiencies, as indicated in the table below.

SI. No.	Project Details	Scheme	Amount	Remark
1	Interchanging of BP-Ist and NTT-Ist feeders in separate busbar section	Deposit	Rs. 4,44,472.00	PTCUL has agreed to clarify as the work has not been considered in Form 9A submitted with the revised format on dated 29.12.2025.
2	Work of Providing & Fixing of 33 kV P.T. on emergency basis at 132 kV Idpl Substation, Rishikesh	Deposit	Rs. 0.0581 Crore	PTCUL has agreed to clarify being as the deposit work has not been considered in Form 9A submitted with the revised format on dated 29.12.2025.

21. It is observed that PTCUL in its query no. 10 reply dated 29.12.2025 has submitted the details of the work undertaken under the Other capital works in FY 2025-26(H1). PTCUL has agreed to justify the discrepancy between the amount claimed in the table 27 of the Petition is Rs. 22.68 Crore while in the reply it is 22.40 Crore.

**C. Queries w.r.t to ARR for FY 2026-27:**

22. It was observed that, in accordance with the Uttarakhand Electricity Regulatory Commission (Terms and Conditions of Intra-State Open Access) Regulations, 2015, Regulation 20(1)(b) stipulates as under: “(b) For use of intra-State transmission system – Transmission charges payable by an open access customer to the STU for usage of its system shall be determined as under:  $\text{Transmission Charges} = \text{ATC} / (\text{PLST} \times 365)$  (Rs./MW/day).”

PTCUL has agreed to submit the details of the peak load served by the State transmission system during the previous year, as required for determination of transmission charges under the above Regulation.

23. It was observed that, in the Order dated 11.04.2025, the Commission had directed UJVN Ltd. and PTCUL to prepare and submit a comprehensive plant-wise plan for transfer of assets, ensuring compliance with the directions of the Commission, by 30.06.2025. PTCUL has agreed to submit the status of compliance with the aforesaid directives of the Commission.
24. It was pointed that PTCUL, in its reply to Query No. 17 dated 29.12.2025, has submitted the details of the recruitment process.
- PTCUL has agreed to clarify the mismatch between the number of posts indicated in the letter submitted to the Government of Uttarakhand (GoU) for 56 posts and the claim of recruitment against 58 posts.
  - PTCUL further agreed to submit a copy of the letter dated 10.09.2025 addressed to the GoU.
  - It was further observed that, with regard to the proposed recruitment plan of 133 employees for FY 2026-27, PTCUL has submitted the letter to the GoU; however, completion of recruitment of the said 133 employees within FY 2026-27 appears unlikely. PTCUL agreed to submit a revised and realistic proposal for manpower addition during FY 2026-27.
25. It was pointed out that there has been a substantial increase in fees and subscription charges as well as miscellaneous charges under Administrative and General (A&G) expenses as reflected in the Audited Accounts for FY 2024-25 shown in the below Table. PTCUL has agreed to provide a detailed justification for the increase in these expenses from FY 2023-24 to FY 2024-25. Further, PTCUL agreed to justify the increase by submitting a head-wise comparative for both categories of expenses for the relevant years.

Particulars	FY 2023-24 (Amount in Rs. Lakh)	FY 2024-25 (Amount in Rs. Lakh)
Fees and Subscription	65.00	138.55
Miscellaneous Expenses	190.32	309.43

Nature of Work	Capitalisation claimed in Form 9A			Work Details as per R&M Comprehensive list		
	S. No	Project Name	Amount (Cr.)	S. No	Project Name	Amount (Cr.)
Revetment Wall	6	Construction of Revetment wall at Tower Location no. 112 of 132 kV Chandak- Lohaghat Line under O&M Division PTCUL Almora	0.59	690	For the payment of work of Construction of Revetment wall and repairing of tower foundation of 220KV IIP-Jhajhra line against Order no. 128/220 kV O&M/IIP /LOA/Order Dt. 21.07.2024.	0.56
	21	Construction of revetment wall at single circuit tower No.69 at 132 kV Jaspur-Kalagarh line under O&M Division Mahuakheraganj.	0.09	917	On A/c payment of Repair and Strengthening of revetment wall at tower location No. AP-08 and AP-115 of 132 KV Ranikhet- Bageshwar S/C Line under O&M Division, PTCUL, Almora against CE(O&M)/PTCUL/ HLD/16/2023-24 dated 05/03/2024 First and Final Bill	0.41
	31	Construction of new revetment wall at tower no 100 of 132 kV Kalagarh-Ramnagar Line connected to 132 kV Sub-station Ramnagar	0.44			
	79	Work of Providing wire mesh crates and Construction of revetment wall for safety of foundation at tower No. 19 of 220 kV Jhajhra-Sherpur-Vyasi D/C Twin Zebra line under 220 kV(O&M) Division, Jhajhra, Dehradun	0.36			
	104	Construction of revetment wall for protection of Tower Location No. 33 of 132 kV Rishikesh-Srinagar Transmission Line.	0.57			
	115	Construction of Revetment wall for Protection of Tower no. RD - 91 at Muriya Village	0.16			
	116	Construction of Revetment wall for Leg Protection of Tower No. RD - II 190 of 220 kV Rishikesh Dharasu Ckt - II nd	0.31			
		<b>Total</b>	<b>2.51</b>		<b>Total</b>	<b>0.97</b>
Battery	17	Supply, Installation, Testing and Commissioning of 220 V/800 Ah tubular battery bank at 400 kV S/s, Kashipur under 400 kV O&M Division, PTCUL, Kashipur.	0.56	694	Payment for the supply and erection 220 v 500 Ah Battery set including R&M of battery chargers at 220 kV GIS Harrawala Dehradun against order letter no.379/O&M/div/IIP/Harrawala dated-05-12-2024	0.28
	35	Extension Of Battery Room for New 110 VOLT Battery Bank	0.09			



Nature of Work	Capitalisation claimed in Form 9A			Work Details as per R&M Comprehensive list		
	S. No	Project Name	Amount (Cr.)	S. No	Project Name	Amount (Cr.)
		and Other Civil Work at 132 kV S/s Kashipur				
	37	Supply and Installation of New 110 Volt Battery set with charger and DCDB at 132 kV Substation, Kashipur.	0.29			
	43	Supply, Installation, Testing and Commissioning of 110 Volts Low Maintenance Lead Acid (LMLA) battery bank and battery charger and related miscellaneous works at 132 kV substation Bhowali	0.25			
	56	Supply, Erection, Testing and Commissioning of 220 V TBS/400 AH OPzS Battery Bank and Battery Charger at 220 kV Substation Pantnagar under O&M Division Pantnagar	0.51			
	57	Supply, Erection, Testing and Commissioning of Battery Bank and Charger at 132 kV substation Kichha and 220 kV Substation Pantnagar under O&M Division Pantnagar	0.47			
	60	Supply, Erection, Testing and Commissioning of battery bank and charger at 132 kV S/s ELDECO and 132 kV S/s Sitarganj.	0.53			
	128	Procurement, Erection, Testing & Commissioning of 220 Volt 400 Ah Battery Bank set with associated works at 400 kV Sub Station Rishikesh.	0.23			
	129	Supply, Erection, Testing & Commissioning of stand by Battery Charger for 220 Volt 400 AH Tubular Transparent Battery Bank at 400 kV Sub Station Rishikesh.	0.14			
	145	Emergency Supply and Erection of 110V, 400 AH battery Bank	0.19			

Nature of Work	Capitalisation claimed in Form 9A			Work Details as per R&M Comprehensive list		
	S. No	Project Name	Amount (Cr.)	S. No	Project Name	Amount (Cr.)
		and 110 V, 100Amp Float cum boost charger at 66 kV Substation Thithki				
	77	Supply, Erection and Commissioning of 110 Volt 300 AH Lead Acid Battery Set at 132 kV Substation Purkul, Dehradun	0.13			
	90	Supply & Erection for replacement of old 110 Volt 300 AH lead acid Battery Set and Maintenance of chargers at 132 kV Substation Bindal, Dehradun	0.17			
	155	Procurement of Battery Charger & Battery set for 132 kV Substation Chudiyala (LOA no. 1622 & 1634)	0.18			
	171	Work of Replacement of Defective 110 Volt DC, 300 AH Battery Set at 132 kV Substation Bhupatwala	0.12			
	150	Procurement, Erection, Testing & Commissioning of 220 V Battery charger at 220 kV Substation Piran Kaliyar on emergency basis.	0.14			
		<b>Total</b>	<b>4.00</b>		<b>Total</b>	<b>0.28</b>
<b>Fencing</b>	7	Security fencing at hill side above 132 kV switchyard and Substation approach road of 132 kV GIS S/s Bageshwar under O&M Div. PTCUL, Almora	0.59	919	On A/c payment of Modification/ Strengthening pale fencing and fixing of razor wire, over existing and new security fencing at 132 KV S/S Ranikhet under O&M Division, PTCUL Almora Against CE (O&M)/PTCUL/HLD/05/2024-25 dated 24/08/2024 First & Final Bill	0.29
	22	Providing, Fixing and Installation of electric fencing at 220 kV S/s Mahuakheraganj	0.25			
	36	Providing, Fixing and Installation of Electric Fencing At 132 kV Sub-Station Ramnagar.	0.23			
	126	Providing, Fixing and Installation of electric fencing at store of 400 kV Substation Rishikesh	0.25			
	134	Providing, Fixing and Installation of Electric Fencing around 220 kV Switchyard & 132/33 kV IDPL Switchyard	0.25			

Nature of Work	Capitalisation claimed in Form 9A			Work Details as per R&M Comprehensive list		
	S. No	Project Name	Amount (Cr.)	S. No	Project Name	Amount (Cr.)
		under 220 kV (O&M) Div, Rishikesh.				
	136	Providing and Installation of chain linked/Barbed wire fencing in open space at 220 kV Substation Rishikesh	0.12			
	149	Providing, Fixing and Installation of electric fencing at 220 kV Substation Piran Kaliyar	0.22			
	164	Providing, Fixing and Installation of electric fencing at 132 kV Substation Jwalapur, Haridwar	0.23			
	168	Providing, Fixing and Installation of Electric Fencing at 132 kV Substation Padartha, Haridwar	0.16			
		<b>Total</b>	<b>2.30</b>		<b>Total</b>	<b>0.29</b>
<b>Approach Road</b>	46	Shifting of fire hut, renovation of store shed, construction of approach road for Hydrant control room and other miscellaneous renovation works at 132 kV Sustation, Kathgodam under 220 kV O&M Division PTCUL, Haldwani	0.43	1970	For payment of work of repairing and extension of approach road in switch yard at 132 KV S/S Manglore vide bill no 67 dt 10.10.2024	0.12
		<b>Total</b>	<b>1.47</b>		<b>Total</b>	<b>0.12</b>
		<b>Grand Total</b>	<b>9.25</b>		<b>Grand Total</b>	<b>1.66</b>

Nature of Work	Sl. No.		Name of the Project	Scheme	Claimed (in Rs Crore)
	As Per 9A	No.			
Repair	140	1	Repairing (refurbishment) of 01 No. 40 MVA 132/33 kV Transformer ALSTOM make at 132 kV Sub-Station Roorkee.	SASCI	1.55
	162	2	Work for Repairing (refurbishment) of 01 NO. 40 MVA 132/33 kV Transformer ALSTOM Make at 132 kV Sub-Station, Jwalapur	SASCI	2.63
	165	3	Order for Work of Erection and Commissioning of Repaired 40 MVA 132/33 kV Transformer at 132 kV Substation Bhupatwala	SASCI	0.27
	154	4	Repairing (Refurbishment) of 01 No. 40 MVA, 132/33 kV Transformer ABB make at 132 kV Substation Bhagwanpur	Capital Internal Resource	1.72
			<b>Total</b>		<b>6.18</b>
Replace	5	1	Supply and Replacement of 145 kV CT and CT at 132 kV S/s Almora, 132 kV S/s Ranikhet and 132 kV S/s Pithoragarh Under O&M Div. PTCUL Almora	SASCI	0.59
	99	2	Replacement of Old and obsolete 66 kV Circuit Breaker and Control Panel of 7.5 MVA, 66/33 kV Transformer at 66/33 kV Substation, Kothiyalsain.	Others	0.29
	101	3	Replacement of 66 kV and 33 kV Isolators at 66 kV Substation Joshimath	Others	0.05
	102	4	Replacement of 66 kV C&R Panel at 66 kV Substation Joshimath.	Others	0.10
	135	5	Providing and Replacement of 216 kV Lightning Arrester (LAs) at 220 kV Substation, Rishikesh under 220 kV (O&M) Division Rishikesh.	Others	0.12
	10	6	Supply and Replacement of 33 kV Circuit breaker at 132 kV S/s Almora, 132 kV S/s Ranikhet and 132 kV S/s Pithoragarh under O&M Division Almora	Capital Internal Resources	0.56
	90	7	Supply & Erection for replacement of old 110 Volt 300 AH lead acid Battery Set and Maintenance of chargers at 132 kV Substation Bindal, Dehradun	Internal Resources	0.17
	91	8	Work of Replacement of old 33 kV Switchgear at 132 kV S/s Bindal Dehradun	Internal Resources	0.12
	109	9	Providing and replacement of 33 kV circuit breaker (VCB)-3 phase for 33 kV BP-1st and koteswar bay at 220 kV S/s Chamba.	Capital Internal Resources	0.12
	111	10	Providing and Replacement of 33 kV Circuit breaker (VCB) at 220 kV Substation, Chamba,T.G	Capital Internal Resources	0.12
	112	11	Providing & Replacement of 216 kV Surge Arrester/Lightning Arrester at 220 kV Substation, Chamba,T.G	Capital Internal Resources	0.13
	120	12	Providing and Replacement of porcelain insulator string to polymer insulator string of tension tower of 400 kV Roorkee-Muzaffarnagar line under 400 kV O&M Division Rishikesh.	Capital Internal Resources	0.49
	121	13	Providing and Replacement of Porcelain Insulator string to Polymer Insulator Strings and stringing work of Tension Towers of 400 kV Roorkee-Muzaffarnagar Line under 400 kV(O&M) Division Rishikesh	Capital Internal Resources	0.17

Nature of Work	Sl. No.		Name of the Project	Scheme	Claimed (in Rs Crore)
	122	14	Providing and Replacement of porcelain insulator string (R/Y/B) by polymer string with suitable fitting of bottom and top of string as per required for 400 kV tension tower of 400 kV Roorkee-Muzaffarnagar Transmission line in different site location of line under 400 kV Substation Rishikesh.	Capital Internal Resources	0.42
	171	15	Work of Replacement of Defective 110 Volt DC, 300 AH Battery Set at 132 kV Substation Bhupatwala	Capital (Internal Resource)	0.12
	169	16	Work of Upgradation/Replacement of existing equipments of 132 kV Bay of 132 kV Laksar-Cavendish line	DEPOSIT	0.40
			<b>Total</b>		<b>3.98</b>
Wall	173	11	Raising of boundary wall at 220 kV Substation Jhajra Dehradun	Other	0.70
	174	12	Renovation of old damaged boundary wall at 220/132 kV S/s colony Ramnagar Roorkee	Other	0.59
	175	13	Raising of Boundary wall at Jwalapur Haridwar	Other	0.59
	183	15	Raising of Boundary wall at 132 kV S/s Srinagar (Garhwal)	Other	0.54
	190	17	Raising of Boundary wall and Development work at 132 kV S/s Bhagwanpur	Other	0.42
	14	18	Construction of Retaining wall drain and apron work at Tower location No.79 & 80 of 132 kV Chandak- Almora Pithoragarh S/C line under O&M Division Almora	Capital Internal Resources	0.24
	22	20	Construction of revetment wall at single circuit tower No.69 at 132 kV Jaspur-Kalagarh line under O&M Division Mahuakheraganj.	Capital Internal Resources	0.09
	115	22	Construction of Revetment wall for Protection of Tower no. RD - 91 at Muriya Village	Capital Internal Resources	0.16
	116	23	Construction of Revetment wall for Leg Protection of Tower No. RD - II 190 of 220 kV Rishikesh Dharasu Ckt - II nd	Capital Internal Resources	0.31
			<b>Total</b>		<b>3.65</b>
Road	9	1	Extension of Main Road towards colony and construction of retaining walls at 132 kV S/s Ranikhet under O&M Division PTCUL Almora	SASCI	0.58
	177	2	Construction of cement concrete road at 132 kV S/s Simli, Karanprayag	Other	0.58
	184	3	Renovation of C.C Road and laying of Ready Mix C.C Road, at various place of 132 kV S/s Majra Dehradun	Other	0.53
	185	4	Construction of cement concrete road & footpath in 132 kV S/s Purkul Gaon, Dehradun	Other	0.53
	194	5	Construction of cement concrete road from main gate to control room and approach road to quarters at 132 kV S/s Srinagar (Garhwal)	Other	0.40
	52	6	Construction and Expansion of CC approach Road in switchyard of 220 kV S/s Haldwani under 220 kV PTCUL Haldwani.	Capital IR	0.57
			<b>Total</b>		<b>3.19</b>
Turf	13	1	Turfing work in switchyard at 132 kV Substation Pithoragarh under O&M Division PTCUL Almora	SASCI	0.26
	18	2	Turfing of Bay No. 204 & 212 of 220 kV switchyard at 400 kV Substation Kashipur.	SASCI	0.57



Nature of Work	Sl. No.		Name of the Project	Scheme	Claimed (in Rs Crore)
	27	3	Work of new turfing at 80 MVA side bay and capacitor bank at 132 kV Sub-station Bazpur	SASCI	0.58
	182	4	Turfing & Antiweed Work in 132 kV S/s Majra, Dehradun	Other	0.55
	187	5	Turfing & Antiweed work in 132 kV S/s Srinagar	Other	0.49
	189	6	Turfing & Antiweed work in 132 kV S/s Purkul Gaon, Dehradun	Other	0.47
	54	7	Turfing and Gravelling work at 160 MVA-I Bay & 220 kV Bus Coupler Bay at 220 kV Substation Pantnagar	Capital	0.59
	55	8	New Work of Turfing and Gravelling at 220 kV Bays at 220 kV Substation Pantnagar	Capital	0.59
	58	9	Turfing work at 33 kV switch yard of 132 kV S/s, Sitarganj under O&M division, PTCUL, Sitarganj	CAPITAL R&M (Internal Resources)	0.59
	153	10	Work of 220 kV Puhana Ckt-II Bay Turfing at 220 kV Substation Piran Kaliyar (Imlikhera).	Capital Internal Resource	0.11
			<b>Total</b>		<b>4.79</b>
CT	75	1	Supply of 33 kV CT for 132/33 kV 40 MVA Transformer CB No. 782/382 and 33 kV Feeders at 132 kV Substation Purkul Dehradun	SASCI	0.12
	39	2	Supply and Installation of current transformer of various ratings for improvement of metering accuracy at 220 kV S/s Haldwani under 220 kV O&M division PTCUL Haldwani	Capital IR	0.30
	42	3	Supply and Installation of current transformer and potential transformer of various rating for improvement of metering accuracy at 132 kV Substation Bhowali	Capital IR	0.39
	68	4	Supply of New FRP CT/PT Junction Boxes in T&C Sub-Division Haldwani	Capital Internal Resources	0.12
	70	5	Supply and Retrofitting of new PT/CVT and CT FRP Junction Boxes in T&C Sub-Division Kashipur	Capital Internal Resources	0.12
	84	6	Procurement of 245 kV, 33 kV CT and 33 kV PT at 220 kV Substation, Jhajhra Dehradun	Capital O&M Works	0.25
	89	7	Procurement and Erection of 132 kV Current Transformer at 132 kV Substation Bindal.	Internal Resources	0.10
	92	8	Procurement and Erection of 33 kV Current Transformer at 132 kV Substation Bindal, Dehradun	Internal Resources	0.11
	93	9	Procurement and Erection of 33 kV Isolator's at 132 kV Substation Bindal.	Internal Resources	0.07
	95	10	Procurement, Erection, Testing & Commissioning of New Distance Protection Relay on 220 kV & above Feeders for main II protection system as per CEA guidelines at 220 kV S/s, Rishikesh & Chamba under T&C Division, Rishikesh	Capital (IR)	0.29
	96	11	Procurement of Numerical Protection Relay Of M/s Schneider Electric make for various Substation under T&C Division 220 kV Rishikesh	Capital (IR)	0.53
	113	12	Work for Providing & Fixing of 33 kV Isolator at 220 kV S/s Chamba.	Capital Internal Resources	0.12

Nature of Work	Sl. No.		Name of the Project	Scheme	Claimed (in Rs Crore)
	166	13	Work of Providing and Installation of 132 kV C.T (400/200/1A) for 40 MVA Transformer-III Bay at 132 kV Substation Bhupatwala	Capital (Internal Resource)	0.11
	200	14	Supply of Various Protection Relays of M/s GE T&D India Limited make	Capital Internal Resources	0.24
	201	15	Supply of Protection Relays of M/s Schneider Electric India Pvt Ltd make.	Capital Internal Resources	0.59
	139	16	Work of Providing & Fixing of 33 kV P.T. on emergency basis at 132 kV IDPL Substation, Rishikesh	DEPOSIT	0.06
			<b>Total</b>		<b>3.50</b>
VCB	72	1	Providing and Fixing of Vacuum circuit breaker at 132 kV substation Laltappar .	Capital IR	0.12
	86	2	Procurement of 36 kV Vacuum Circuit Breaker at 132 kV substation Majra	Capital(IR)	0.11
	87	3	Providing and Fixing of 36 kV VCB for capacitor Bank II and 5 MVA Transformer at Majra	Capital (IR)	0.12
	24	4	Supply , Installation, Testing and Commissioning of 33 kV VCBs at 220 kV S/s Mahuakheraganj	SASCI	0.23
			<b>Total</b>		<b>0.58</b>
CB	100	1	Erection of 33 kV CT's, Circuit Breaker and PT's for 7.5 MVA, 66/33 kV Transformer at 66/33 kV Substation, Kothiyalsain.	Others	0.14
	138	2	Work of Erection, Testing & Commissioning after shifting of 145 kV Circuit Breaker and associated works on emergency basis at 132/33 kV Virbhadra Substation under 220 kV (O&M) Division, Rishikesh.	Others	0.08
	66	3	Supply of various Protection Relays of M/S GE T&D India Limited (Formerly Alstom T & D India Limited make) for 220 kV S/s Pantnagar.	Capital Internal Resources	0.58
	67	4	Supply ,Erection, Testing and Commissioning of Rotational Under Frequency Relay Panels having Rate of change of frequency (df/dt) for Automatic load shedding in Udham Singh Nagar	Capital Internal Resources	0.58
	88	5	Procurement of 145 kV SF6 Circuit Breaker for 132 kV bus section III at 132 kV substation Majra	Capital (IR)	0.13
	156	6	Work of Emergency Restoration of Power Supply of 33 kV CB No. 04 by Replacement of Damaged Circuit Breaker with New Circuit Breaker at 220 kV Substation SIDCUL, Haridwar	Capital (Internal Resource)	0.09
			<b>Total</b>		<b>1.60</b>
Fencing	22	1	Providing, Fixing and Installation of electric fencing at 220 kV S/s Mahuakheraganj	SASCI	0.25
	168	2	Providing, Fixing and Installation of Electric Fencing at 132 kV Substation Padartha, Haridwar	SASCI	0.16
	7	3	Security fencing at hill side above 132 kV switchyard and Substation approach road of 132 kV GIS S/s Bageshwar under O&M Div. PTCUL, Almora	Capital Internal Resources	0.59
	36	4	Providing , Fixing and Installation of Electric Fencing At 132 kV Sub-Station Ramnagar.	Capital Internal Resources	0.23

Nature of Work	Sl. No.		Name of the Project	Scheme	Claimed (in Rs Crore)
	134	5	Providing, Fixing and Installation of Electric Fencing around 220 kV Switchyard & 132/33 kV IDPL Switchyard under 220 kV (O&M) Div, Rishikesh.	Capital Internal Resources	0.25
	136	6	Providing and Installation of chain linked/Barbed wire fencing in open space at 220 kV Substation Rishikesh	Capital Internal Resources	0.12
	149	7	Providing, Fixing and Installation of electric fencing at 220 kV Substation Piran Kaliyar	Capital Internal Resource	0.22
	164	8	Providing, Fixing and Installation of electric fencing at 132 kV Substation Jwalapur, Haridwar	Capital (Internal Resource)	0.23
			<b>Total</b>		<b>2.05</b>
Fire	23	1	Work of Supply, Installation, Testing and Commissioning of NIFPS at 2X80 MVA(IMP Make) Transformers at 220 kV S/s Mahuakheraganj	SASCI	0.57
	25	2	Up gradation and Extension of fire hydrant system installed at 220 kV Substation, Mahuakheraganj	SASCI	0.58
	8	3	Supply, Installation, Testing and Commissioning of automatic fire hydrant system with pump house and wate storage system at 132 kV S/s Ranikhet under O&M Division PTCUL Almora	Capital Internal Resources	0.58
	46	4	Shifting of fire hut, renovation of store shed, construction of approach road for Hydrant control room and other miscellaneous renovation works at 132 kV Sustation, Kathgodam under 220 kV O&M Division PTCUL, Haldwani	Capital IR	0.43
	50	5	Supply, Installation, Testing and Commissioning of automatic fire hydrant System with pump house and water storage system at 132 kV S/s Kathgodam under 220 kV O&M division PTCUL Haldwani.	Capital IR	0.58
	81	6	Supply of Fire Extinguisher at 132 kV Substation Purkul Dehradun	Internal Resources	0.12
	82	7	Procurement of Engine Operated High Pressure Water Mist Fire Fighting Trolley Fire Extinguisher at 220 kV Sub Station Jhajhra, Dehradun	Capital O&M Works	0.13
	126	8	Providing, Fixing and Installation of electric fencing at store of 400 kV Substation Rishikesh	Capital Internal Resources	0.25
	137	9	Work of Supply and Installation of Ceasefire Extinguisher at 220 kV Substation Rishikesh	Capital Internal Resources	0.10
			<b>Total</b>		<b>3.34</b>
Tower	41	1	Protection of tower at location No. 76 of 132 kV Bazpur- Haldwani line situated in Bhakhra river course under 220 kV O&M division PTCUL Haldwani	Capital IR	0.57
	114	2	Protection wall at Tower No. RD-I 111 of 220 kV Rishikesh -Dharashu Line And providing and fixing Anti-climbing device near Rishikesh town	Capital Internal Resources	0.13
	117	3	Shifting of tower no RU III 34 of 220 kV Rishikesh Dharasu Ckt-Iind from land sliding zone to safer location near Paniyali Kandisour.	Capital Internal Resources	0.28
	118	4	Estimate for Construction of a tower between RD 72 and RD 73 for proper ground clearance of 220 kV Rishikesh Dharasu line Ckt-Ist.	Capital Internal Resources	0.17
			<b>Total</b>		<b>1.14</b>

Nature of Work	Sl. No.		Name of the Project	Scheme	Claimed (in Rs Crore)
Battery	37	1	Supply and Installation of New 110 Volt Battery set with charger and DCDB at 132 kV Substation, Kashipur.	SASCI	0.29
	17	2	Supply, Installation, Testing and Commissioning of 220 V/800 Ah tubular battery bank at 400 kV S/s, Kashipur under 400 kV O&M Division, PTCUL, Kashipur.	Capital Internal ReSources	0.56
	35	3	Extension Of Battery Room for New 110 VOLT Battery Bank and Other Civil Work at 132 kV S/s Kashipur	Capital Internal Resources	0.09
	43	4	Supply, Installation, Testing and Commissioning of 110 Volts Low Maintenance Lead Acid (LMLA) battery bank and battery charger and related miscellaneous works at 132 kV substation Bhowali	Capital IR	0.25
	56	5	Supply, Erection, Testing and Commissioning of 220 V TBS/400 AH OPzS Battery Bank and Battery Charger at 220 kV Substation Pantnagar under O&M Division Pantnagar	Capital	0.51
	57	6	Supply, Erection, Testing and Commissioning of Battery Bank and Charger at 132 kV substation Kichha and 220 kV Substation Pantnagar under O&M Division Pantnagar	Capital	0.47
	77	7	Supply, Erection and Commissioning of 110 Volt 300 AH Lead Acid Battery Set at 132 kV Substation Purkul, Dehradun	Internal Resources	0.13
	128	8	Procurement, Erection, Testing & Commissioning of 220 Volt 400 Ah Battery Bank set with associated works at 400 kV Sub Station Rishikesh.	Capital Internal Resources	0.23
	129	9	Supply, Erection, Testing & Commissioning of stand by Battery Charger for 220 Volt 400 AH Tubular Transparent Battery Bank at 400 kV Sub Station Rishikesh.	Capital Internal Resources	0.14
	145	10	Emergency Supply and Erection of 110V, 400 AH battery Bank and 110 V, 100Amp Float cum boost charger at 66 kV Substation Thithki	Capital (Internal Resource)	0.19
	150	11	Procurement, Erection, Testing & Commissioning of 220 V Battery charger at 220 kV Substation Piran Kaliyar on emergency basis.	Capital Internal Resource	0.14
	155	12	Procurement of Battery Charger & Battery set for 132 kV Substation Chudiyala (LOA no. 1622 & 1634)	Capital Internal Resource	0.18
	60	7	Supply, Erection, Testing and Commissioning of battery bank and charger at 132 kV S/s ELDECO and 132 kV S/s Sitarganj.	SASCI	0.53
			Total		3.70
Other	61	1	Construction of closed storage shed cum store office cabin including development of site approach drainage etc. and internal/ external electrification of store shed premises at 132 kV substation ELDECO Sitarganj.	SASCI	0.58
	141	2	Supply of cooling radiators suitable for 40 MVA, 132/33 ALSTOM Make Transformer at 132 kV Sub-Station Roorkee.	SASCI	0.21
	163	3	Emergency Supply of cooling radiators suitable for 40 MVA, 132/33 kV Alstom make Transformer of 132 kV substation Jwalapur	SASCI	0.21
	105	4	Providing and making Gabion structure for protection at Tower Location No. 137 of 132 kV Satpuli - Kotdwar Transmission Line	Others	0.30



Nature of Work	Sl. No.		Name of the Project	Scheme	Claimed (in Rs Crore)
	106	5	Providing and making Gabion structure for protection at Tower Location No. 115 of 132 kV Satpuli - Kotdwar Transmission Line.	Others	0.10
	107	6	Construction of Tin Shade Store at 132 kV Substation, Satpuli.	Others	0.09
	178	7	Renovation of Control Room Building 132 kV S/s Ramnagar, Roorkee	Other	0.57
	179	8	Construction of boundary of quarters and widening of gates of C & D type quarters at 220/132 kV S/s Ramnagar, Roorkee	Other	0.57
	180	9	Construction of boundary of quarters and widening of gates of type I and II block and AE type & type IV quarters at 220/132 kV S/s Ramnagar, Roorkee	Other	0.57
	181	10	Construction of Division office at 220 kV S/s SIDCUL, Haridwar	Other	0.55
	188	11	Construction of Recharge pit at 132 kV S/s Switchyard majra, Dehradun	Other	0.48
	191	12	Turfing and Antiweed Treatment work in switchyard of 220/132 kV S/s Chamba (T.G.)	Other	0.42
	192	13	Renovation of 132 kV Control Room Building at 132 kV S/s Jwalapur (Haridwar)	Other	0.41
	193	14	Construction of Security Guard Hut & Land Development work in Chief Engineer Office Garhwal Zone at Civil Lines Roorkee	Other	0.41
	195	15	Laying of pipelines for drainage of surface rainwater & Seepage water and Dewatering work for rainy season at 132 kV S/s switchyard Majra Dehradun	Other	0.35
	196	16	Work of lifting the old interlocking tile and providing and laying of Kerb stone and Interlocking Tile at 132 kV S/s Majra, Dehradun	Other	0.34
	197	17	Construction of AE & staff office in existing store at 132 kV S/s Purkul Gaon, Dehradun	Other	0.22
	198	18	Prevent Switch yard from monsoon rainwater at 132 kV S/s at Majra, Dehradun	Other	0.19
	199	19	Interlocking Tiles in front of SE Transmission Circle & EE Division Office Yamuna Colony, Dehradun	Other	0.12
	11	20	Strengthening and Development of land to prevent soil erosion and associated works at 132 kV S/s Bageshwar under O&M division Alnora	Capital Internal Resources	0.48
	32	21	Work of supply and Erection of chemical earthing at switchyard of 132 kV Sub-station Bazpur.	Capital Internal Resources	0.24
	33	22	Providing and Fixing of pipe type earthing and soil filling at various towers of 132 kV Lines connected to 132 kV Sub-station Bazpur.	Capital Internal Resources	0.16
	34	23	Supply and Installation of lighting equipment and air conditioner for newly constructed yard and control room at 132 kV S/s Kashipur	Capital Internal Resources	0.10
	40	24	Construction of Ladies and Gents toilet blocks at 220 kV at 220 kV S/s Haldwani under 220 kV O&M division PTCUL Haldwani	Capital IR	0.10
	44	25	Dehydration Installation, Testing and Commissioning of old and GEC make 5 MVA 132/33 kV single phase transformer at 132 kV S/s Bhowali	Capital IR	0.14
	45	26	Construction of new pump house at 132 kV S/s Kathgodam under 220 kV O&M division PTCUL , Haldwani division.	Capital IR	0.11



Nature of Work	Sl. No.		Name of the Project	Scheme	Claimed (in Rs Crore)
	49	27	Construction of false Ceiling with gypsum plaster board and installtion of fire smoke detection system at 132 kV S/s Bhowali under 220 kV O&M Division Haldwani.	Capital IR	0.16
	51	28	Supply, Installation, Testing and Commissioning of electronic Surveillance System at various Sub stations premises under 220 kV O&M division PTCUL Haldwani.	Capital IR	0.16
	59	29	Erection work on 132 kV Bus Bar Strengthening at 132 kV S/s Sitarganj under O&M Division Sitarganj	CAPITAL R&M (Internal Resources)	0.06
	65	30	Order for supply installation and integration of BCU's with existing SAS at 400 kV Kashipur for newly under construction Bays	Capital Internal Resoorces	0.53
	69	31	Construction of CE (T&C), office building at T&C Division, 132 kV S/s Kathgodam	Capital Internal Resources	0.12
	71	32	Making Parking shed by M.S. Fabrication and P.C.C. for Harrawala Division office at 220 kV GIS S/s IIP Harrawala	Capital IR	0.12
	73	33	Providing and Fixing of outdoor AC supply distribution panel at switchyard of 132 kV substation Laltappar .	Capital IR	0.11
	74	34	Providing and Fixing of outdoor AC supply distribution panel at switchyard of 132 kV substation Laltappar .	Capital O&M Works	0.11
	76	35	Supply 120 kV & 30 kV Surge Arrester at 132 kV Substation Purkul Dehradun.	Internal Resources	0.12
	78	36	Providing Wire Mesh crates for safety of foundation of 220 kV and 132 kV D/C Line under O&M Division Jhahhra	Internal resources	0.13
	80	37	Providing Wire Mesh crates for safety of foundation of 220 kV and 132 kV D/C Line under O&M Division Jhahhra	Internal Resources	0.61
	83	38	Construction of Stairs for 220 kV Circuit Breakers at 220 kV Substation Jhahhra Dehradun	Capital O&M Works	0.07
	94	39	Procurement of 132 kV Lighting Arrester at 132 kV substation Majra	Capital(IR)	0.12
	97	40	Supply of Digital Multimeter 600 Volt, 10 Ampere., 0.5 Accuracy	Capital (IR)	0.0016
	98	41	Supply of Drill machine	Capital (IR)	0.0014
	110	42	Work of Supply, Installation & Commissioning of 250 kVA 33/ .433 kV Station Transformer at 33 KV Bus section-II of 220 kV substation, Chamba (T.G)	Capital Internal ReSources	0.11
	119	43	Interchanging of BP-Ist and NTT-Ist feeders in separate Busbar Section at 220 kV Substation Chamba, T.G.	Deposit Work	0.04
	123	44	Providing and Installation of Bird flight diverter on 400 kV Rishikesh-Nehtaure line and 400 kV Roorkee-Muzaffarnagar Transmission line in different site location of line under 400 kV Substation Rishikesh.	Capital Internal Resources	0.29
	124	45	Providing and Fixing of Bird Scare on towers of 400 kV Lines under 400 kV Substation Rishikesh	Capital Internal Resources	0.13
	125	46	Making Vehicle shade parking in Division/circle office and near Control room building at 400 kV Substation, Rishikesh.	Capital Internal Resources	0.15

Nature of Work	Sl. No.		Name of the Project	Scheme	Claimed (in Rs Crore)
	127	47	Providing, Fixing and Installation of Addressable Smoke Detection System at 400 kV Sub Station Rishikesh	Capital Internal Resources	0.26
	133	48	Strengthening of Safety System & Associate Work in 220 kV Control Room at under 220 kV Substation Rishikesh	Capital Internal Resources	0.29
	142	49	Supply and Erection of surge arrestor and surge counter at 132 kV Sub-Station Roorkee	Capital (Internal Resource)	0.11
	143	50	Supply and Erection of surge arrestor and surge counter at 132 kV Sub-Station Manglore.	Capital (Internal Resource)	0.12
	144	51	Emergency work of Supply and Erection of direct current distribution board (DCDB) and associated works at 132 kV Sub-Station Manglore.	Capital (Internal Resource)	0.14
	151	52	Making store & Shed at 220 kV Substation Piran Kaliyar (Imlikhera)	Capital Internal Resource	0.13
	152	53	Providing & Installation of Surge monitor Counters at different bays of 132 kV S/s Bhagwanpur and 220 kV S/s Pirankaliyar.	Capital Internal Resource	0.07
	159	54	Work of Providing and Fixing of Tin shade and associated work at 220 kV Substation SIDCUL, Haridwar	Capital (Internal Resource)	0.13
	160	55	Work for avoid beak down by replacement of carbonized porcelain disc insulator strings by antipollution free polymer disc insulator strings of 132 kV Jwalapur-Roorkee line	Capital (Internal Resource)	0.16
	161	56	Work for avoid beak down by replacement of carbonized porcelain disc insulator strings with antipollution free polymer strings of 132 kV SIDCUL-Roorkee line	Capital (Internal Resource)	0.25
	167	57	Work of Providing and Fixing of air conditioners in control room at 132 kV Substation Bhupatwala	Capital (Internal Resource)	0.08
			<b>Total</b>		<b>12.86</b>
			<b>Grand Total</b>		<b>50.04</b>

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