

पावर ट्रांसमिशन कारपोरेशन ऑफ उत्तराखण्ड लि०

(उत्तराखण्ड सरकार का उपक्रम)

निदेशक (परियोजना) कार्यालय

विद्युत भवन, नजदीक-आई०एस०बी०टी० क्रॉसिंग, सहारनपुर रोड़, माजरा, देहरादून-248002
दूरभाष नं० 0135-2645753 फैक्स नं० 0135-2645753 ई-मेल shrawan_k_sharma@ptcul.org

No. 137 /Dir. (Projects)/PTCUL/ *Business Plan*
To,

Date: 20 / 01 /2016

The Secretary
Uttarakhand Electricity Regulatory Commission
"Vidyut Niyamak Bhawan",
Near I.S.B.T., P.O. Majra
Dehradun (Uttarakhand)

Sub: Power Transmission Corporation of Uttarkhand Limited's Petition for approval of Business Plan for control period 2016-17 to 2018-19.

Sir,

Kindly take reference of Hon'ble UERC letter no UERC/6/TF-287/15-16/2016/1555 dated 14.01.2016 on above mentioned subject vide which PTCUL was directed to submit the point-wise replies to the Technical Validation Session held on 12.01.2016 at the Commission's office as per Annexure-A of above mentioned letter.

In compliance of the same, point-wise replies are being submitted herewith as directed by the Hon'ble Commission.

Submitted for kind consideration of the Hon'ble Commission.

Encl: As above.

Thanking you,

Yours Faithfully,

(S.K. Sharma)

Director (Projects)

Cc:-

1. PS to MD, PTCUL for kind information of Managing Director, PTCUL.



उत्तराखण्ड UTTARAKHAND

23AA 436300

BEFORE UTTARAKHAND ELECTRICITY REGULATORY COMMISSION,
DEHRADUN

IN THE MATTER OF:

Filing of Petition for approval of Business Plan for PTCUL for control period 2016-17 to 2018-19 (Reply of UERC Letter No. UERC/6/TF-287/15-16/2016/1555 dated 14.01.2016).

AND

IN THE MATTER OF:

Power Transmission Corporation of Uttarakhand Ltd.
Vidyut Bhawan", 132KV Substation Majra, Saharanpur Road,
Near I.S.B.T. Crossing, Dehradun 248002.

.....Petitioner

Affidavit

I, S.K. Sharma, S/o Lt. Sh. C.D.Sharma aged about 60 years, Director, Power Transmission Corporation of Uttarakhand Ltd., "Vidyut Bhawan", 132KV Substation Majra, Saharanpur Road, Near I.S.B.T. Crossing, Dehradun, the deponent named above do hereby solemnly affirm and state on oath as under:-

SHRAWAN KUMAR SHARMA
DIRECTOR (PROJECTS)
POWER TRANSMISSION CORPORATION
OF UTTARAKHAND LTD., DEHRADUN

1. That the deponent is the Director who is authorized as per the resolution of the company (In case the Petitioner is a Company) dated 27.11.2015 and is acquainted with the facts deposed to below.
2. I, the deponent named above do hereby verify that the contents of the paragraph Nos. 1 of the affidavit and the statements made and data presented in the accompanying petition are true to my personal knowledge and are based on present information/ records of the Company and are based on estimation arising from present data/ records of the company which I believe to be true and verify that no part of this affidavit is false and nothing material has been concealed

SHRAWAN KUMAR SHARMA
(Deponent)
DIRECTOR (PROJECTS)
POWER TRANSMISSION CORPORATION
OF UTTARANCHAL

I, Shailendra Pandey Advocate, Dehradun

do hereby declare that the person making this affidavit is known to me through the perusal of records and I am satisfied that he is the same person alleging to be deponent himself.

Spandev
Advocate

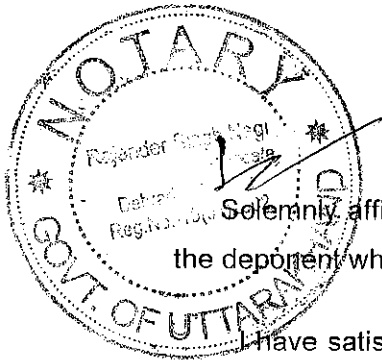
Solemnly affirmed before me on this 20th day of Jan 2016 at 3 a.m. / p.m. by the deponent who has been identified by the aforesaid Advocate.

I have satisfied myself by examining the deponent that he understood the contents of the affidavit which has been read over and explained to him. He has also been explained about section 193 of Indian Penal Code that whoever intentionally gives false evidence in any of the proceedings of the Commission or fabricates evidence for purpose of being used in any of the proceedings shall be liable for punishment as per law.

(Notary Public)

ATTESTED

(Signature)
(RAJENDER KUMAR NEGI)
Advocate & NOTARY
Collectorate Court Compound
Dehra Dur




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PTCUL's Replies to the Minutes of Technical Validation Session held on 12.01.2016 in the matter of PTCUL's Petition for approval Business Plan for the Control Period FY 2016-17 to FY 2018-19

Query No.	Commission's query	Petitioner's response
1.b	The capital expenditure for FY 2016-17 to FY 2018-19 submitted in Annexure 1 of submissions dated January 11, 2016 is not matching with the capital expenditure submitted for the respective years in Annexure 2 of submissions dated December 16, 2015.	It is submitted to the Hon'ble commission that this was the result of an inadvertent error and the modified capital expenditure is being resubmitted as Annexure 1 .
1.c	The capitalisation for FY 2016-17 submitted in the Petition is not matching with the capitalisation submitted for the respective year in Annexure 2 of submissions dated December 16, 2015.	It is submitted to the Hon'ble commission that the capitalisation values remain the same. The inconsistency was a result of a formatting error. The revised document is being resubmitted as Annexure 1 .
1.d	PTCUL was asked to submit the current status of the projects proposed in the capital investment for FY 2016-17 to FY 2018-19 with regard to order placement status, etc.	It is submitted to the Hon'ble commission that this information has already been shared in Form 9.2.
2	Vide its submissions dated January 11, 2016, PTCUL submitted the funding status of planned projects during the Control Period from FY 2016-17 to FY 2018-19 in Annexure 2. In the said Annexure, it was observed that PTCUL claimed works related to civil O&M under the category of "improvement in quality of supply, reliability etc." PTCUL agreed to submit the justification for placing the works related to civil O&M under the category of "improvement in quality of supply, reliability etc." PTCUL also submitted that such works would be categorised as "other miscellaneous works" if such works do not fall under the category of "improvement in quality of supply, reliability etc."	The revised document with the modifications as sought by the commission is being resubmitted as Annexure 1 .


SHRAWAN KUMAR SHARMA
 DIRECTOR (PROJECTS)
 POWER TRANSMISSION CORPORATION
 OF UTTARANCHAL LTD., DEHRADUN

Annexure-1

Capital Expenditure (Rs. Crore)

S. No.	Region	Division	Project	Load Growth	Reduction of transmission losses	Improvement in quality of supply, reliability etc.	Miscellaneous	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
								2015-16	2016-17	2017-18	2018-19	2015-16	2016-17	2017-18	2018-19
1	Garhwal	Projects	220 KV GIS s/s IIP, Harrawala , Dehradun	✓				6.56	52.46	59.01	13.11		131.14		
2	Garhwal	Projects	Dehradun	✓				0.00	0.53	0.00	0.00		0.53		
3	Garhwal	Projects	132 KV D/C Srinagar -Simli Line	✓				51.74	0.00	0.00	0.00	118.52			
4	Garhwal	Projects	132 kV Simili s/s	✓				0.00	0.00	0.00	0.00	12.67			
5	Garhwal	Projects	Construction of 132 KV s/s Srinagar			✓		1.47	0.00	0.00	0.00	19.77			
6	Garhwal	Projects	Construction of 132 KV s/s Haridwar road, Dehradun (80 MVA)	✓				0.26	0.00	0.00	0.00	0.26			
7	Garhwal	Projects	220 KV s/s Dehradun (320 MVA)	✓				0.93	0.00	0.00	0.00	0.61			
8	Garhwal	Projects	Construction of LILO of 132 KV Purkul-Dhalipur Line at 220 KV s/s Dehradun			✓		2.35	0.00	0.00	0.00	3.46			
9	Garhwal	Projects	Construction of LILO of 132 KV Kulhal-Mjara Line at 220 KV s/s Dehradun			✓		1.72	0.00	0.00	0.00	3.39			
10	Garhwal	Projects	Dehradun			✓		0.00	0.00	0.00	0.00	0.00			
11	Garhwal	Projects	Construction of 132 KV Purkul- Bindal link line (10.73 Km.)			✓		1.21	4.04	0.00	0.00		8.00		
12	Garhwal	Projects	Construction of LILO of 220 KV Khodri-Rishikesh line at 220 KV s/s Dehradun	✓				2.44	0.00	0.00	0.00	0.03			
13	Garhwal	Projects	220 KV s/s Piran Kaliyar (2*50 MVA)	✓				4.18	41.02	20.92	0.00		66.12		
14	Garhwal	Projects	kaliyar	✓				0.80	5.13	3.98	0.00		9.91		
15	Garhwal	Projects	Construction of LILO of Lakhwar-Vyasi 220 KV double circuit Line	✓				7.20	19.69	87.45	32.19			146.52	
16	Garhwal	Projects	Construction of 220 KV s/s Ghansali	✓				0.00	24.53	49.06	49.06			124.80	
17	Garhwal	Projects	Construction of 220 Kv line from 400 KV PGCIL s/s to 220 KV s/s Dehradun					4.46	21.88	0.00	0.00		26.34		
18	Garhwal	Projects	132 KV GIS substation Araghar	✓				0.00	7.14	28.54	35.68			71.36	
19	Garhwal	Projects	132 KV substation Raipur	✓				0.00	0.00	14.27	28.54				
20	Garhwal	Projects	132 KV substation Gairsain	✓				0.00	9.29	37.14	46.43				92.85
21	Garhwal	Projects	220/33 KV GIS substation Selaqui(2X50) MVA	✓				0.00	0.00	2.63	5.26				
22	Garhwal	Projects	400/220/132 KV GIS Landhora	✓				0.00	30.16	120.64	150.80				
23	Garhwal	Projects	LILO of 132 KV Laltappar –Majra line at 132 KV S/S Araghar	✓				0.00	5.08	20.32	25.41			50.81	
24	Garhwal	Projects	LILO of 132 KV Bindal –Rishikesh line at 132 KV S/S Raipur	✓				0.00	0.00	2.12	4.25				
25	Garhwal	Projects	LILO of 220KV Khodri-Dehradun line at 220 KV S/S Selaqui	✓				0.00	0.00	6.83	13.66				
26	Garhwal	Projects	LILO of 220KV Roorkee -Nara Line at 400 Kv S/s Landhora	✓				0.00	0.00	5.42	10.84				
27	Garhwal	Projects	LILO of 132 KV Laksar- Nehtore line at 400 Kv S/s Landhora	✓				0.00	0.00	8.20	16.41				
28	Garhwal	Projects	LILO of 132 KVManglore- Nehtore line at 400 Kv S/s Landhora	✓				0.00	0.00	22.89	45.78				
29	Garhwal	Projects	LILO of 400 KV Quad Moose Kashipur-Puhana Line at 400 Kv S/s Landhora	✓				0.00	0.00	1.55	3.10				
30	Garhwal	Projects	Panther conductor			✓		0.00	3.05	12.20	15.26				30.51
31	Garhwal	Projects	Panther conductor			✓		0.00	9.10	13.65	0.00			22.75	
32	Garhwal	Projects	132 KV Simli-Gairsain line	✓				0.00	6.57	30.20	32.83				65.66
33	Garhwal	Projects	132 KV single circuit Laksar-Birla Tier Factory Line (Single Pather)(2.34 Km.)	✓				0.00	1.11	0.00	0.00				
34	Kumaon	Projects	220 KV S/S Jaffarpur	✓				5.00	20.00	20.00	23.99			74.61	
35	Kumaon	Projects	LILO Of 220KV Kashipur-Pantnagar line at 220KV S/s Jafarpur	✓				1.00	5.00	2.33	0.00			8.34	
36	Kumaon	Projects	132KV S/S Bageshwar	✓				5.00	40.00	45.28	0.00			92.78	
37	Kumaon	Projects	132KV Ranikhet -Bageshwar Line	✓				5.00	40.00	10.00	0.00			60.18	
38	Kumaon	Projects	132 KV S/S Sitarganj (Eldico)	✓				3.00	3.41	0.00	0.00				
39	Kumaon	Projects	LILO of 132 KV Kichha - Sitarganj line at 132 KV S/S Eldico & Stringing of 132 KV Kichha - Sitarganj Line	✓				2.00	2.07	0.00	0.00		2.30		
40	Kumaon	Projects	132 KV S/S Lohaghat	✓				0.00	25.00	14.71	0.00			93.16	
41	Kumaon	Projects	132KV Pithoragarh - Lohaghat Line	✓				4.08	10.00	40.00	9.97			82.07	
42	Kumaon	Projects	220 KV S/S Baram	✓				2.00	30.00	50.00	38.84				120.84
43	Kumaon	Projects	LILO of 220 KV Dhauliganga - Pithoragarh Line at 220 KV S/S Baram	✓				2.50	12.00	11.59	0.00				26.09
44	Kumaon	Projects	220 KV S/S Almora	✓		✓		0.00	32.00	50.00	38.84				

S. No.	Region	Division	Project	Load Growth	Reduction of transmission losses	Improvement in quality of supply, reliability etc.	Miscellaneous	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
								2015-16	2016-17	2017-18	2018-19	2015-16	2016-17	2017-18	2018-19
45	Kumaon	Projects	220 KV Jauljibi - Almora Line	✓		✓		0.00	20.00	80.00	89.00				
46	Kumaon	Projects	132 KV S/S Khatima II	✓				10.00	10.00	10.00	0.00			30.00	
47	Kumaon	Projects	Amalgation of 132 KV Lines at 132 KV S/S Khatima II	✓				5.00	10.00	5.00	0.00			20.00	
48	Kumaon	Projects	Construction of Type 2,3 4 residences for 220 KV MahuakheraGanj S/s			✓		3.13	1.97	0.00	0.00		5.09		
49	Kumaon	Projects	220 KV line from 400 KV Kashipur to 200 KV Mauakeraganj (Additional capitalisation)			✓		0.03	0.00	0.00	0.00	0.03			
50	Kumaon	Projects	132 KV Kashipur Bazpur line (Additional capitalisation)			✓		0.14	0.00	0.00	0.00	0.14			
51	Garhwal	O&M	Proposed 220 KV Puhana- Piran Kaliyar D/C line			✓		0.00	9.45	6.29	0.00			15.75	
52	Garhwal	O&M	Augmentation of 220 KV Substation SIDCUL Haridwar from 2x80 MVA (132/33 KV) + 1x50 MVA(220/33 KV) to 2x80 MVA (132/33 KV) + 2x50 MVA(220/33 KV) by procurement, erection & commissioning of 01 No. 50 MVA (220/33 KV) Transformer at 220 KV Substation SIDCUL Haridwar.			✓		0.00	11.53	2.88	0.00		14.41		
53	Garhwal	O&M	Augmentation of 220 KV S/s Jhajra by dismantalling of 2X40 MVA transformer and installation of 2X80 MVA under O & M division Dehradun.			✓		22.37	2.49	0.00	0.00		24.85		
54	Garhwal	O&M	Increasing capacity of 220 KV S/s Rishikesh from 2X160 MVA to 3X160 MVA and associated bays.			✓		13.65	4.54	0.00	0.00		18.19		
55	Garhwal	O&M	Increasing capacity of 2X25 MVA to 1X25+1X50 MVA at 220 KV S/S Chamba			✓		0.00	8.22	2.06	0.00			10.28	
56	Garhwal	O&M	Augmentation of 220/33 KV S/s to 220/132 KV S/s with additional 2X 100 MVA transformers at Piran Kaliyar.			✓		8.20	5.02	0.00	0.00		13.20		
57	Garhwal	O&M	Replacement of 132 KV Roorkee-Manglore line conductor by new AAAC/ HTLS conductor at 132 KV S/S Manglore			✓		7.17	4.39	0.00	0.00		11.55		
58	Garhwal	O&M	Replacement of 132 KV Roorkee-Laksar line old wolf conductor by new AAAC/ HTLS conductor at 132 KV S/S Laksar			✓		0.00	16.70	11.15	0.00			27.85	
59	Garhwal	O&M	Construction of LILO of 132 KV Bhagwanpur- Chudiyala line at 220 KV S/s Piran Kaliyar.			✓		1.27	6.40	5.13	0.00			12.80	
60	Garhwal	O&M	Increasing capacity of 132/33 KV S/S Srinagar from 1X20 MVA+1X40 MVA to 2X40 MVA			✓		0.00	6.03	0.00	0.00		6.03		
61	Garhwal	O&M	Increasing capacity of 132/66 KV S/S Srinagar from 1X20 MVA+1X15 MVA to 2X20 MVA			✓		0.00	3.12	0.00	0.00		3.12		
62	Garhwal	O&M	Replacement of old 1X20 MVA transformer by new 1X20 MVA transformer Simli.			✓		0.00	3.60	0.00	0.00		3.60		
63	Garhwal	O&M	Increasing capacity of S/S from 2X40 to 2x80 MVA at 132 KV S/S Manglore			✓		0.00	19.88	4.97	0.00			24.85	
64	Garhwal	O&M	Increasing capacity 3x40 MVA (132/33 KV) to 1x80 +2X40 MVA (132/33 KV) at 132 KV S/S Bhagwanpur			✓		0.00	10.00	2.50	0.00			12.50	
65	Garhwal	O&M	Increasing capacity 2X40 MVA (132/33 KV) to 1X80+1X40 MVA (132/33 KV) at 132 KV S/S Laksar			✓		0.00	10.00	2.50	0.00			12.50	
66	Garhwal	O&M	Increasing capacity 132 KV Jwalapur 2X40 MVA (132/33 KV) to 3X40 MVA (132/33 KV) at 132 KV S/S Jwalapur			✓		4.33	0.00	0.00	0.00	4.33			
67	Garhwal	O&M	Increasing capacity 132 KV Bhupatwala 2X40 MVA (132/33 KV) to 3X40 MVA (132/33 KV) at 132 KV S/S Bhupatwala and 3 nos 33 KV bays.			✓		9.54	0.00	0.00	0.00	9.54			
68	Garhwal	O&M	Construction of 132 KV S/C line from 220 KV Sidcul S/s to 132 KV Jwalapur S/s and 2 Nos associated bays.			✓		6.77	0.00	0.00	0.00	6.77			
69	Garhwal	O&M	Replacement of 132/33 KV 40 MVA transformer at 132 KV S/s Roorkee			✓		5.43	0.00	0.00	0.00	5.43			
70	Garhwal	O&M	Installation of 220/33 KV 50 MVA transformer and construction of 3 Nos 33 KV bay at 220 KV Sidcul S/s Haridwar			✓		9.20	0.00	0.00	0.00	9.20			
71	Garhwal	O&M	Construction of 2X40 MVA 132/33 KV Chudiyala S/s and its LILO line			✓		16.80	0.00	0.00	0.00	16.80			

S. No.	Region	Division	Project	Load Growth	Reduction of transmission losses	Improvement in quality of supply, reliability etc.	Miscellaneous	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
								2015-16	2016-17	2017-18	2018-19	2015-16	2016-17	2017-18	2018-19
72	Garhwal	O&M	Augmentation of 132 KV Substation Kotdwar from 2x40 MVA to 3x40 MVA by procurement, erection & commissioning of 01 No 132/33 KV 40MVA Transformer & Construction of 03 Nos. 33 KV Bays at 132 KV S/S Kotdwar (P.G.)			✓		0.00	10.16	0.00	0.00		10.16		
73	Garhwal	O&M	Misc Equipment for 220 KV S/s Jhajra (Additional capitalisation)					0.10	0.00	0.00	0.00	0.10			
74	Kumaon	O&M	Increasing capacity of 132 KV S/S Kathgodam form 40 MVA to 80 MVA			✓		0.31	0.00	0.00	0.00	2.94			
75	Kumaon	O&M	Increasing capacity of 132 KV S/S Bhowali form 30 MVA to 50 MVA			✓		0.39	0.00	0.00	0.00	2.36			
76	Kumaon	O&M	Increasing capacity of 132 KV S/S Almora form 40 MVA to 60 MVA			✓		0.80	0.00	0.00	0.00	2.54			
77	Kumaon	O&M	Increasing capacity of 132 KV S/S Bazpur form 80 MVA to 120 MVA			✓		0.62	0.00	0.00	0.00	5.22			
78	Kumaon	O&M	Augmentation of Transformer from 2x40 MVA to 3x40 MVA at 220KV Substation, Kamaluaganja (Haldwani)			✓		0.00	6.70	0.00	0.00		6.70		
79	Kumaon	O&M	I/C of existing 33KV Capacitor Bank from 2X5 MVAR TO 3X5 MVAR at 132KV Substation, Almora			✓		0.00	0.40	0.00	0.00		0.40		
80	Kumaon	O&M	Increasing capacity of 132 KV S/S Jaspur from 2x40MVA to 3x40MVA.			✓		0.00	6.70	0.00	0.00		6.70		
81	Kumaon	O&M	Supply and Commissioning of 2X5MVA capacitor bank at 132 KV Substation, Kathgodam			✓		0.00	0.45	0.00	0.00		0.45		
82	Kumaon	O&M	Re-alignment of tower at loc. No. 30 to a safe place of 132 KV Kathgodam - Bhowali line.			✓		0.00	0.50	0.00	0.00		0.50		
83	Kumaon	O&M	Provision of additional 2X5 MVAR 33 KV Capacitor Bank at 132 KV Substation, Pithoragarh			✓		0.00	0.56	0.00	0.00		0.56		
84	Kumaon	O&M	Replacement of 1x3x5MVA T/F bank with 20MVA Transformer at 132 KV Bhowali (T/F at Bazpur shall be utilized)			✓		0.00	0.10	0.00	0.00		0.10		
85	Kumaon	O&M	Installation of 1 no. 315MVA T/F (400/220KV) at 400KV Substation, Kashipur			✓		0.00	0.00	11.51	0.00			11.51	
86	Kumaon	O&M	Construction of 03 Nos. 400KV Bay at 400KV Substation, Kashipur ((i) Bay for 315MVA T/F-III (ii) Bay for 50MVAR Reactor (iii) Bay for future 400KV Srinagar-Kashipur line II ckt)			✓		0.00	6.87	6.83	0.00			13.71	
87	Kumaon	O&M	Construction of 01 no. 50MVAR Reactor at 400KV Substation, Kashipur			✓		0.00	0.00	5.50	0.00			5.50	
88	Kumaon	O&M	Construction of 220 KV Bus Sectionizing at 400KV Substation, Kashipur			✓		0.00	0.00	0.98	0.00			0.98	
89	Kumaon	O&M	Installation of 01 no. 160MVA T/F (220/132KV) at 400KV Substation, Kashipur			✓		0.00	0.00	6.10	1.53			7.63	
90	Kumaon	O&M	Construction of 2 Nos. 220KV T/F Bay at 400KV Substation, Kashipur			✓		0.00	0.71	1.42	0.00			2.14	2.14
91	Kumaon	O&M	Construction of 3 Nos. 132KV Bay at 400KV Substation, Kashipur			✓		0.00	0.85	3.42	0.00			4.27	
92	Kumaon	O&M	Installation of 01 No. 40MVA T/F at 400KV Substation, Kashipur			✓		0.00	0.00	3.34	0.00			3.34	
93	Kumaon	O&M	Construction of 01 no. 33KV bay at 400KV Substation, Kashipur			✓		0.00	0.00	0.39	0.00			0.39	
94	Kumaon	O&M	Construction of 01 no. 33KV Bay against requirement of UPCL at 132 KV Substation, Almora			✓		0.00	0.00	0.23	0.00			0.23	
95	Kumaon	O&M	Provision of Hybrid module (due to space constraint) for construction of Transfer Bus at 132KV S/s, Pithoragarh			✓		0.00	0.00	1.59	0.00			1.59	
96	Kumaon	O&M	Work of replacement of old ACSR panther conductor with HPC conductor in 132 KV Kashipur(400) – Kashipur Ckt-II line at 132 KV Substation, Kashipur			✓		0.00	0.00	3.20	0.00			3.20	
97	Kumaon	O&M	Stringing of HPC in second circuit of 132 KV Kashipur(400) –Bazpur line along with construction of one no. 132 KV bay at 132 KV S/S Bazpur			✓		0.00	0.00	16.00	0.00			16.00	
98	Kumaon	O&M	Replacement of 02 Nos 220KV D/C towers (with DD+15) at location no 55 & 56 in 220 KV Kashipur(400)- Mahuakheraganj line for providing safe clearance.			✓		0.00	0.00	3.70	0.00			3.70	
99	Kumaon	O&M	I/C of 132 KV S/S, Kichha from 2 X 40 to 3 x 40 MVA alongwith construction of Bus Coupler bay at Kichha.			✓		0.00	0.00	2.20	1.80			4.00	
100	Kumaon	O&M	Replacement of ACSR Panther conductor in 132 KV Pantnagar-Rudrapur line with ACCC Casablanca conductor			✓		0.00	0.00	4.40	3.60			8.00	

S. No.	Region	Division	Project	Load Growth	Reduction of transmissi on losses	Improvement in quality of supply, reliability etc.	Miscellaneous	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
								2015-16	2016-17	2017-18	2018-19	2015-16	2016-17	2017-18	2018-19
101	Kumaon	O&M	Increasing capacity of 132 KV S/S Ramnagar from 1x20+1x40MVA to 2x40MVA			✓		0.00	0.00	4.00	0.00			4.00	
102	Kumaon	O&M	Construction of 2 Nos. 220KV Bay at 400KV Substation, Kashipur			✓		0.00	0.71	1.43	0.00				
103	Kumaon	O&M	Construction of 220/132/33 KV S/s at Khurpiya Farm			✓		0.00	0.00	49.50	40.50				90.00
104	Kumaon	O&M	Construction of 2 nos 220 KV bays at 220 KV S/s PGCIL, Sitarganj.			✓		0.00	0.00	2.75	2.25				5.00
105	Kumaon	O&M	Construction of 220 KV D/C line from PGCIL S/s, Sitarganj-Khurpiya Farm line			✓		0.00	0.00	40.42	33.08				73.50
106	Kumaon	O&M	Construction of LILO of 220 KV Bareilly-Pantnagar line at Khurpiya Farm			✓		0.00	0.00	2.88	2.37				5.25
107	Kumaon	O&M	Construction of LILO of 132 KV Rudrapur-Kichha line at Khurpia farm.			✓		0.00	0.00	1.65	1.35				3.00
108	Kumaon	O&M	Termination of 132KV CPP line at proposed 220KV s/s Khurpiya Farm at Kichha			✓		0.00	0.00	1.10	0.90				2.00
109	Kumaon	O&M	Replacement of Old 2X3x5 MVA Transformer with 2X20 MVA Transformer at 132 KV Substation, Ranikhet			✓		0.00	0.00	0.00	5.07				5.07
110	Kumaon	O&M	Construction of 132 KV Substation, Bhikiasain alongwith associated transmission line at 132 KV Substation, Ranikhet (30Kms)			✓		0.00	0.00	0.00	80.00				80.00
111	Kumaon	O&M	Replacement of Old 2X3x5 MVA Transformer with 2X20 MVA Transformer at 132 KV Substation, Pithorgarh			✓		0.00	0.00	0.00	6.60				6.60
112	Kumaon	O&M	Construction of 04 Nos of 33 KV bays at 132 KV S/S Bazpur (Deposit)			✓		0.00	0.00	0.00	1.70				
113	Kumaon	O&M	Construction of 132 KV Mahuakheraganj(220)- Jaspur (21 Kms) with 01 No. bay at 132 KV Substation, Jaspur			✓		0.00	0.00	0.00	21.00				21.00
114	Kumaon	O&M	Replacement of ACSR panther conductor with HPC conductor of 132 KV Kashipur- Mahuakheraganj (220) line			✓		0.00	0.00	0.00	10.30				10.30
115	Kumaon	O&M	Replacement of 1X3x5MVA Transformer bank with new 20MVA Transformer at 132 KV Substation, Bhowali			✓		0.00	0.00	0.00	2.00				2.00
116	Kumaon	O&M	Strengthening of 132KV Haldwani-Bhowali line by replacement through HPC conductor.			✓		0.00	0.00	0.00	14.00				14.00
117	Kumaon	O&M	Construction of 132/33KV S/s at Golapar, Haldwani			✓		0.00	0.00	21.20	31.80				53.00
118	Kumaon	O&M	LILO of 132KV Kathgodam-Pantnagar line at proposed 132KV Golapar S/s (App. 15KM)			✓		0.00	0.00	0.00	15.00				15.00
119	Kumaon	O&M	Construction of 132KV S/Ckt line on D/C Towers for 132KV Golapar(Proposed) S/s from 220KV Khurpia Farm (Proposed) S/s (App.30KM)			✓		0.00	0.00	0.00	30.00				30.00
120	Kumaon	O&M	Construction of 132/33 KV S/s, Khatima-II			✓		0.00	0.00	22.00	18.00				40.00
121	Kumaon	O&M	Construction of 132 KV LILO line for 132 KV S/s Khatima-II			✓		0.00	0.00	6.60	5.40				12.00
122	Kumaon	O&M	Construction of 132 KV LILO line for 132 KV S/s SIDCUL Phase-II, Sitarganj			✓		0.00	0.00	5.50	4.50				10.00
123	Kumaon	O&M	Construction of 132/33 KV S/s at SIDCUL Phase-II Sitarganj			✓		0.00	0.00	22.00	18.00				40.00
124	Kumaon	O&M	Replacement of ACSR Panther conductor in 132 KV PGCIL-SIDCUL Sitarganj line with ACCC Casablanca conductor			✓		0.00	0.00	10.87	8.87				19.74
125	Kumaon	O&M	Replacement of ACSR Panther conductor in 132 KV Kichha-Sitarganj line with ACCC Casablanca conductor			✓		0.00	0.00	15.47	12.65				28.12
126	Kumaon	O&M	Replacement of ACSR Wolf conductor in 132 KV Piliphit-Khatima D/C line with ACCC copen hagan conductor			✓		0.00	0.00	42.07	34.43				76.50
127	Kumaon	O&M	Increasing capacity of 132 KV S/S Bazpur from 1x40+1x80MVA to 2x80MVA.			✓		0.00	0.00	0.00	11.00				11.00
128	Kumaon	O&M	Construction of 132 KV transfer bus and extension of switchyard at 132 KV S/S Bazpur			✓		0.00	0.00	0.00	3.50				3.50
129	Kumaon	O&M	Construction of boundary wall/ flood protection wall around 132 KV S/S Bazpur			✓		0.00	0.00	0.00	2.00				2.00
130	Kumaon	O&M	Augmentation of 220KV S/s Pantnagar alongwith construction of 02Nos 220 KV Bays and 02 Nos 33 KV Bays.(REC)			✓		4.17	0.00	0.00	0.00	8.21			

S. No.	Region	Division	Project	Load Growth	Reduction of transmission losses	Improvement in quality of supply, reliability etc.	Miscellaneous	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)				
								2015-16	2016-17	2017-18	2018-19	2015-16	2016-17	2017-18	2018-19	
131	Kumaon	O&M	Development of Switchyard including dismantling chain link fencing and re-erection for 2x50 MVA T/F at 220 KV S/s Pantnagar.(REC)			✓		0.36	0.00	0.00	0.00	0.36				
132	Kumaon	O&M	Increasing capacity of 132 KV S/s Ranikhet (1*30 MVA to 1*50 MVA) (132/33)			✓		0.50	0.00	0.00	0.00	0.50				
133	Kumaon	O&M	const of 01 no. of incoming bay at 132 KV Sitarganj from 220 KV S/s PGCIL Pantnagar			✓		0.85	0.00	0.00	0.00	0.85				
134	Kumaon	O&M	LILO of 132 KV Almora-Pithoragarh at 220 KV Pithoragarh (PGCIL) (Additional capitalisation)			✓		0.23	0.00	0.00	0.00	0.23				
135	Kumaon	O&M	Furnitures & fixtures			✓		0.01	0.00	0.00	0.00	0.01				
136	Kumaon	O&M	Office equipment			✓		0.01	0.00	0.00	0.00	0.01				
137	Kumaon	Civil O&M	Construction of field hostel				✓	0.00	1.10	0.74	0.00					
138	Kumaon	Civil O&M	Construction of 2 Nos. type IV Quarters				✓	0.00	0.70	0.39	0.00					
139	Kumaon	Civil O&M	Construction of 1 Nos. type IV quarter				✓	0.00	0.50	0.00	0.00					
140	Kumaon	Civil O&M	Extension of control room building				✓	0.00	0.20	0.00	0.00					
141	Kumaon	Civil O&M	Construction of boundary wall/ flood protection wall				✓	0.00	0.00	0.00	1.56					
142	Kumaon	Civil O&M	Construction of boundary wall				✓	0.00	1.95	0.00	0.00					
143	Kumaon	Civil O&M	Construction of 2 Nos. type IV quarters				✓	0.00	0.00	0.81	0.00					
144	Kumaon	Civil O&M	Construction of 1 Nos. type V quarter				✓	0.00	0.00	0.00	0.63					
145	Kumaon	Civil O&M	Construction of guest house				✓	0.00	0.00	0.00	1.04					
146	Kumaon	Civil O&M	Construction of 1 Nos. type IV quarter				✓	0.00	0.00	0.00	0.43					
147	Kumaon	Civil O&M	Construction of 2 Nos. type III quarter				✓	0.00	0.00	0.50	0.00					
148	Kumaon	Civil O&M	Construction of 5 Nos. type II quarter				✓	0.00	0.90	0.00	0.00					
149	Kumaon	Civil O&M	Construction of boundary wall				✓	0.00	1.75	0.85	0.00					
150	Kumaon	Civil O&M	Construction of 2 Nos. type IV quarter				✓	0.00	0.00	0.20	0.62					
151	Kumaon	Civil O&M	Construction of field hostel				✓	0.00	1.42	0.00	0.00					
152	Kumaon	Civil O&M	Construction of 2 Nos. type V quarter				✓	0.00	0.00	1.30	0.00					
153	Kumaon	Civil O&M	Construction of SE office				✓	0.00	0.58	0.00	0.00					
154	Kumaon	Civil O&M	Construction of 1 Nos. type IV quarter at Kiccha				✓	0.00	0.00	0.00	0.42					
155	Kumaon	Civil O&M	Construction of boundary wall				✓	0.00	0.00	0.36	1.00					
156	Kumaon	Civil O&M	Construction of boundary wall				✓	0.00	1.98	0.00	0.00					
157	Kumaon	Civil O&M	Construction of approach road				✓	0.00	0.44	0.00	0.00					
158	Kumaon	Civil O&M	Construction of office, store, Type III quarters, Type IV quarters and renovation of staff quarters and building etc				✓	0.00	0.00	0.35	0.63					
159	Kumaon	Civil O&M	Construction of Flood Protection works				✓	0.86	0.00	0.00	0.00					
160	Kumaon	Civil O&M	Construction of Well Foundation at tower location no. 146				✓	0.57	0.00	0.00	0.00					
161	Kumaon	Civil O&M	Construction of 02 No. of Well Foundation at tower location no. 74B & 75B				✓	1.46	0.00	0.00	0.00					
162		Civil	Construction of H.Q. Colony at 132 KV Majra				✓	0.00	31.02	41.36	35.16					
163		Civil	Store shed				✓	0.05	0.17	0.00	0.00					
164		Civil	Office building				✓	0.08	0.26	0.00	0.00					
165		Civil	Colony(1 no Type-IV,6 no Type-III,9 no Type-II,6 no Type-I)				✓	0.00	1.35	1.62	1.01					
166		Civil	Developmet of terraces for Colony & office				✓	0.00	1.64	0.63	0.00					
167		Civil	Road for colony & office				✓	0.00	0.84	0.00	0.00					
168		Civil	Storm water drainage				✓	0.00	0.20	0.00	0.00					
169		Civil	Main Pipeline for Colony				✓	0.00	0.11	0.00	0.00					
170		Civil	Water supply scheme (OHT & Pipeline)				✓	0.00	0.24	0.00	0.00					
171		Civil	Land scaping in S/S				✓	0.00	0.06	0.00	0.00					
172	Kumaon	Civil O&M	Construction of Water supply mains				✓	0.28	0.00	0.00	0.00					
173	Kumaon	Civil O&M	Constn. of Fire Protection Wall				✓	0.00	0.08	0.00	0.00					
174	Kumaon	Civil O&M	Constn of toe wall				✓	0.00	0.57	0.00	0.00					
175	Kumaon	Civil O&M	Constn. Of OH Tank (100 KL)				✓	0.00	0.51	0.00	0.00					
176	Kumaon	Civil O&M	Seperation of Gate for 33 KV S/S				✓	0.00	0.00	0.11	0.00					

S. No.	Region	Division	Project	Load Growth	Reduction of transmission losses	Improvement in quality of supply, reliability etc.	Miscellaneous	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
								2015-16	2016-17	2017-18	2018-19	2015-16	2016-17	2017-18	2018-19
177	Kumaon	Civil O&M	Dismantling of old quarters and construction of type II residence at 220/132 kv ramnagar roorkee				✓	0.42	0.00	0.00	0.00	3.85	3.18	27.83	153.37
178	Kumaon	Civil O&M	Special maintenance of control room, road, drains, and residences at 220/132 kv ramnagar roorkee				✓	0.06	0.00	0.00	0.00				
179	Kumaon	Civil O&M	Constn. of Battery Room				✓	0.00	0.00	0.03	0.00				
180	Kumaon	Civil O&M	Constn. of Fire Protection Wall				✓	0.00	0.00	0.08	0.00				
181	Kumaon	Civil O&M	Const. of 1 no. type-IV Quarters				✓	0.00	0.20	0.22	0.00				
182	Kumaon	Civil O&M	Extn. Of C.R. Bldg.				✓	0.00	0.00	0.21	0.00				
183	Kumaon	Civil O&M	Constn. of Fire Protection Wall				✓	0.00	0.00	0.08	0.00				
184	Kumaon	Civil O&M	Constn. Of OH Tank (30 KL)				✓	0.00	0.00	0.00	0.30				
185	Kumaon	Civil O&M	Constn. Of 3 No. Type III, 6 No. Type II Qtrs				✓	0.00	0.30	1.04	0.00				
186	Kumaon	Civil O&M	Landscapping				✓	0.00	0.10	0.10	0.00				
187	Kumaon	Civil O&M	Providing Cooking Platform in Kitchen in Residences				✓	0.00	0.00	0.09	0.00				
188	Kumaon	Civil O&M	Const. of 1 no. type-IV Quarter, 5 nos. type-III Qtr.,3 no.s-type-II Qtr. ,6 nos.-type-I Quarters				✓	0.00	0.50	2.12	0.00				
189	Kumaon	Civil O&M	Landscapping,earthfilling,levelling&dressing,rain water harvesting,internalroad,fencing& lawn .				✓	0.00	0.12	0.14	0.00				
190	Kumaon	Civil O&M	Dewatering arrangement				✓	0.00	0.50	0.39	0.00				
191	Kumaon	Civil O&M	Construction of Boundary wall of colony				✓	0.00	0.00	1.20	0.00				
192	Kumaon	Civil O&M	Construction of Concrete flooring in front of C.R. building upto S/S Main gate				✓	0.03	0.00	0.00	0.00				
193	Kumaon	Civil O&M	Construction of Switchyard Main gate & approach road				✓	0.15	0.00	0.00	0.00				
194	Kumaon	Civil O&M	Construction of Kota staone flooring in C.R. building and Erector Hostel building				✓	0.00	0.04	0.04	0.00				
195	Kumaon	Civil O&M	Roof treatment of tpe II and 8 No's, type IIIrd, 2 No's and type Ist 12 No.				✓	0.00	0.00	0.42	0.00				
196	Kumaon	Civil O&M	Construction of chain link fencing				✓	0.05	0.00	0.00	0.00				
197	Kumaon	Civil O&M	Construction of Tube well				✓	0.00	0.12	0.00	0.00				
198	Kumaon	Civil O&M	Construction of Type III, 3 Nos. Qtrs.				✓	0.00	0.00	0.30	0.40				
199	Kumaon	Civil O&M	Construction of A.E. Trans. A.E. Civil office				✓	0.00	0.00	0.20	0.00				
200	Kumaon	Civil O&M	Landscapping, earthfilling, levelling & dressing, rain water harvesting, internalroad, fencing & lawn				✓	0.00	0.00	0.08	0.00				
201	Kumaon	Civil O&M	Construction of Transmission Division office				✓	0.00	0.00	0.67	0.00				
202	Kumaon	Civil O&M	Construction of type IV, 1 No. Qtrs.				✓	0.00	0.20	0.16	0.00				
203	Kumaon	Civil O&M	Construction of type III No's (D/S) Quarters				✓	0.00	0.40	0.49	0.00				
204	Kumaon	Civil O&M	Landscapping, earthfilling, levelling & dressing, rain water harvesting, internalroad, fencing & lawn				✓	0.00	0.10	0.10	0.00				
205	Kumaon	Civil O&M	Construction of 2 Nos. Type III (S/S)				✓	0.00	0.00	0.24	0.20				
206	Kumaon	Civil O&M	Construction of 4 Nos. type II (D/S)				✓	0.00	0.00	0.20	0.36				
207	Kumaon	Civil O&M	Construction of 1 Nos. Store shed				✓	0.00	0.00	0.10	0.12				
208	Kumaon	Civil O&M	Balance Civil works (Construction of water supply system, chain link fencing, Road for colony and office, drainage,plantation of bushesite development, turfing & antiweedtreatment, boundary wall etc.)				✓	0.00	0.00	2.40	1.03				
209	Kumaon	Civil O&M	(Balance work) Raising of Boundary wall, chain link fencing, water supply mains etc.				✓	0.00	0.43	0.00	0.00				
210	Kumaon	Civil O&M	Turfing & antiweed treatment				✓	0.00	0.40	0.00	0.00				
211	Kumaon	Civil O&M	Construction of boundary wall 400 KV S/S				✓	0.00	0.00	1.05	0.00				
212	Kumaon	Civil O&M	Construction of boundary wall for 800 KV				✓	0.00	0.00	1.24	0.00				
213	Kumaon	Civil O&M	Construction of over head tank capacity 100 KL liter capacity				✓	0.00	0.00	0.45	0.00				
214	Kumaon	Civil O&M	R&M works of Approach C.C. road to colony				✓	0.00	0.13	0.00	0.00				
215	Kumaon	Civil O&M	Construction of multipurpose Hall/Odotorium				✓	0.00	0.47	0.00	0.00				
216	Kumaon	Civil O&M	Construction of 01 Nos. A.E. Transmission office				✓	0.00	0.00	0.00	0.10				
217	Kumaon	Civil O&M	Construction of 3 Nos Type III (D/S)				✓	0.00	0.00	0.00	0.60				

S. No.	Region	Division	Project	Load Growth	Reduction of transmission losses	Improvement in quality of supply, reliability etc.	Miscellaneous	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
								2015-16	2016-17	2017-18	2018-19	2015-16	2016-17	2017-18	2018-19
218	Kumaon	Civil O&M	Construction of 1 No Type IV (S/S)				✓	0.00	0.00	0.00	0.32				
219	Kumaon	Civil O&M	Land development works				✓	0.00	0.00	0.00	0.10				
220	Kumaon	Civil O&M	Construction of 01 No. well foundation for Jwalapur-Roorkee line & protection works				✓	0.00	0.00	0.80	0.30				
221	Kumaon	Civil O&M	Construction of 01 No. well foundation for Sidcul - Roorkee line protection works				✓	0.00	0.00	0.80	0.30				
222	Kumaon	Civil O&M	Construction of 01 No Type IV (S/S)				✓	0.00	0.00	0.12	0.20				
223	Kumaon	Civil O&M	Land development work				✓	0.00	0.00	0.00	0.10				
224	Kumaon	Civil O&M	Construction of CR building at 132 KV S/S Chudiyala				✓	0.50	0.00	0.00	0.00				
225	Kumaon	Civil O&M	Approach road & dev work				✓	0.03	0.00	0.00	0.00				
226	Kumaon	Civil O&M	Protection of Tower foundation at location 3,4,5,6 of LILO of 220 KV Khodri at 220 KV Rishikesh Line				✓	0.08	0.00	0.00	0.00				
227	Kumaon	Civil O&M	R&M of approach C.C. road to colony & switch yard to 132 KV S/S Purkulgaon, Dehradun				✓	0.00	0.00	0.00	0.33				
								250.88	710.88	1308.46	1199.69	238.13	373.13	1111.93	1150.04

Projects catering to Load Growth

S.No.	Region	Division	Project	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
1	Garhwal	Projects	Dehradun	6.56	52.46	59.01	13.11		131.14		
2	Garhwal	Projects	Rishikesh Line at 220KV s/s	0.00	0.53	0.00	0.00		0.53		
3	Garhwal	Projects	132 KV D/C Srinagar -Simli Line	51.74	0.00	0.00	0.00	118.52			
4	Garhwal	Projects	132 kV Simli s/s	0.00	0.00	0.00	0.00	12.67			
5	Garhwal	Projects	road, Dehradun (80 MVA)	0.26	0.00	0.00	0.00	0.26			
6	Garhwal	Projects	220 KV s/s Dehradun (320 MVA)	0.93	0.00	0.00	0.00	0.61			
7	Garhwal	Projects	Rishikesh line at 220 KV s/s Dehradun	2.44	0.00	0.00	0.00	0.03			
8	Garhwal	Projects	220 KV s/s Piran Kaliyar (2*50 MVA)	4.18	41.02	20.92	0.00		66.12		
9	Garhwal	Projects	Puhana 220 KV line at 220 Kv s/s	0.80	5.13	3.98	0.00		9.91		
10	Garhwal	Projects	Construction of LILO of Lakhwar-Vyasi 220 KV double circuit Line	7.20	19.69	87.45	32.19			146.52	
11	Garhwal	Projects	Construction of 220 KV s/s Ghansali	0.00	24.53	49.06	49.06			124.80	
12	Garhwal	Projects	132 KV GIS substation Araghar	0.00	7.14	28.54	35.68			71.36	
13	Garhwal	Projects	132 KV substation Raipur	0.00	0.00	14.27	28.54				
14	Garhwal	Projects	132 KV substation Gairsain	0.00	9.29	37.14	46.43				92.85
15	Garhwal	Projects	Selaqui(2X50) MVA	0.00	0.00	2.63	5.26				
16	Garhwal	Projects	400/220/132 KV GIS Landhora	0.00	30.16	120.64	150.80				
17	Garhwal	Projects	at 132 KV S/S Araghar	0.00	5.08	20.32	25.41			50.81	
18	Garhwal	Projects	at 132 KV S/S Raipur	0.00	0.00	2.12	4.25				
19	Garhwal	Projects	at 220 KV S/S Selaqui	0.00	0.00	6.83	13.66				
20	Garhwal	Projects	400 Kv S/s Landhora	0.00	0.00	5.42	10.84				
21	Garhwal	Projects	at 400 Kv S/s Landhora	0.00	0.00	8.20	16.41				
22	Garhwal	Projects	line at 400 Kv S/s Landhora	0.00	0.00	22.89	45.78				
23	Garhwal	Projects	Kashipur-Puhana Line at 400 Kv S/s	0.00	0.00	1.55	3.10				
24	Garhwal	Projects	132 KV Simli-Gairsain line	0.00	6.57	30.20	32.83				65.66
25	Garhwal	Projects	Factory Line (Single Pather)(2.34 Km.)	0.00	1.11	0.00	0.00				
26	Kumaon	Projects	220 KV S/S Jaffarpur	5.00	20.00	20.00	23.99			74.61	
27	Kumaon	Projects	LILO Of 220KV Kashipur-Pantnagar line at 220KV S/s Jafarpur	1.00	5.00	2.33	0.00			8.34	
28	Kumaon	Projects	132KV S/S Bageshwar	5.00	40.00	45.28	0.00			92.78	
29	Kumaon	Projects	132KV Ranikhet -Bageshwar Line	5.00	40.00	10.00	0.00			60.18	
30	Kumaon	Projects	132 KV S/S Sitarganj (Eldico)	3.00	3.41	0.00	0.00				
31	Kumaon	Projects	LILO of 132 KV Kichha - Sitarganj line at 132 KV S/S Eldico & Stringing of 132 KV Kichha - Sitarganj Line	2.00	2.07	0.00	0.00		2.30		
32	Kumaon	Projects	132 KV S/S Lohaghat	0.00	25.00	14.71	0.00			93.16	
33	Kumaon	Projects	132KV Pithoragarh - Lohaghat Line	4.08	10.00	40.00	9.97			82.07	
34	Kumaon	Projects	220 KV S/S Baram	2.00	30.00	50.00	38.84				120.84
35	Kumaon	Projects	LILO of 220 KV Dhauliganga - Pithoragarh Line at 220 KV S/S Baram	2.50	12.00	11.59	0.00				26.09
36	Kumaon	Projects	220 KV S/S Almora	0.00	32.00	50.00	38.84				
37	Kumaon	Projects	220 KV Jauljibi - Almora Line	0.00	20.00	80.00	89.00				
38	Kumaon	Projects	132 KV S/S Khatima II	10.00	10.00	10.00	0.00			30.00	
39	Kumaon	Projects	Amalgation of 132 KV Lines at 132 KV S/S Khatima II	5.00	10.00	5.00	0.00			20.00	

Projects catering to Improvement in quality of supply, reliability etc.

S. No.	Region	Division	Project	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
1	Garhwal	Projects	Construction of 132 KV s/s Srinagar	1.47	0.00	0.00	0.00	19.77			
2	Garhwal	Projects	Dhalipur Line at 220 KV s/s Dehradun	2.35	0.00	0.00	0.00	3.46			
3	Garhwal	Projects	Line at 220 KV s/s Dehradun	1.72	0.00	0.00	0.00	3.39			
4	Garhwal	Projects	Rishikesh at 132 Kv s/s haridwar road,	0.00	0.00	0.00	0.00	0.00			
5	Garhwal	Projects	line (10.73 Km.)	1.21	4.04	0.00	0.00		8.00		
6	Garhwal	Projects	Srinagar -Simli Line with Single Panther	0.00	3.05	12.20	15.26				30.51
7	Garhwal	Projects	Kotdwar LineLine with Single Panther	0.00	9.10	13.65	0.00			22.75	
8	Kumaon	Projects	220 KV S/S Almora	0.00	32.00	50.00	38.84				
9	Kumaon	Projects	220 KV Jauljibi - Almora Line	0.00	20.00	80.00	89.00				
10	Kumaon	Projects	Construction of Type 2,3 4 residences for 220 KV MahuakheraGanj S/s	3.13	1.97	0.00	0.00		5.09		
11	Kumaon	Projects	220 KV line from 400 KV Kashipur to 200 KV Mauakeraganj (Additional capitalisation)	0.03	0.00	0.00	0.00	0.03			
12	Kumaon	Projects	132 kv Kashipur Bazpur line (Additional capitalisation)	0.14	0.00	0.00	0.00	0.14			
13	Garhwal	O&M	Proposed 220 KV Puhana- Piran Kaliyar D/C line	0.00	9.45	6.29	0.00			15.75	
14	Garhwal	O&M	Augmentation of 220 KV Substation SIDCUL Haridwar from 2x80 MVA (132/33 KV) + 1x50 MVA(220/33 KV) to 2x80 MVA (132/33 KV) + 2x50 MVA(220/33 KV) by procurement, erection & commissioning of 01 No. 50 MVA (220/33 KV) Transformer at 220 KV Substation SIDCUL Haridwar.	0.00	11.53	2.88	0.00		14.41		
15	Garhwal	O&M	Augmentation of 220 KV S/s Jhajra by dismantalling of 2X40 MVA transformer and installation of 2X80 MVA under O & M division Dehradun.	22.37	2.49	0.00	0.00		24.85		
16	Garhwal	O&M	Increasing capacity of 220 KV S/s Rishikesh from 2X160 MVA to 3X160 MVA and associated bays.	13.65	4.54	0.00	0.00		18.19		
17	Garhwal	O&M	Increasing capacity of 2X25 MVA to 1X25+1X50 MVA at 220 KV S/S Chamba	0.00	8.22	2.06	0.00			10.28	
18	Garhwal	O&M	Augmentation of 220/33 KV S/s to 220/132 KV S/s with additional 2X 100 MVA transformers at Piran Kaliyar.	8.20	5.02	0.00	0.00		13.20		
19	Garhwal	O&M	Replacement of 132 KV Roorkee-Manglore line conductor by new AAAC/ HTLS conductor at 132 KV S/S Manglore	7.17	4.39	0.00	0.00		11.55		
20	Garhwal	O&M	Replacement of 132 KV Roorkee-Laksar line old wolf conductor by new AAAC/ HTLS conductor at 132 KV S/S Laksar	0.00	16.70	11.15	0.00			27.85	
21	Garhwal	O&M	Construction of LILO of 132 KV Bhagwanpur-Chudiyala line at 220 KV S/s Piran Kaliyar.	1.27	6.40	5.13	0.00			12.80	
22	Garhwal	O&M	Increasing capacity of 132/33 KV S/S Srinagar from 1X20 MVA+1X40 MVA to 2X40 MVA	0.00	6.03	0.00	0.00		6.03		

S. No.	Region	Division	Project	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
23	Garhwal	O&M	Increasing capacity of 132/66 KV S/S Srinagar from 1X20 MVA+1X15 MVA to 2X20 MVA	0.00	3.12	0.00	0.00		3.12		
24	Garhwal	O&M	Replacement of old 1X20 MVA transformer by new 1X20 MVA transformer Simli.	0.00	3.60	0.00	0.00		3.60		
25	Garhwal	O&M	Increasing capacity of S/S from 2X40 to 2x80 MVA at 132 KV S/S Manglore	0.00	19.88	4.97	0.00			24.85	
26	Garhwal	O&M	Increasing capacity 3x40 MVA (132/33 KV) to 1x80 +2X40 MVA (132/33 KV) at 132 KV S/S Bhagwanpur	0.00	10.00	2.50	0.00			12.50	
27	Garhwal	O&M	Increasing capacity 2X40 MVA (132/33 KV) to 1X80+1X40 MVA (132/33 KV) at 132 KV S/S Laksar	0.00	10.00	2.50	0.00			12.50	
28	Garhwal	O&M	Increasing capacity 132 KV Jwalapur 2X40 MVA (132/33 KV) to 3X40 MVA (132/33 KV) at 132 KV S/S Jwalapur	4.33	0.00	0.00	0.00	4.33			
29	Garhwal	O&M	Increasing capacity 132 KV Bhupatwala 2X40 MVA (132/33 KV) to 3X40 MVA (132/33 KV) at 132 KV S/S Bhupatwala and 3 nos 33 KV bays.	9.54	0.00	0.00	0.00	9.54			
30	Garhwal	O&M	Construction of 132 KV S/C line from 220 KV Sidcul S/s to 132 KV Jwalapur S/s and 2 Nos associated bays.	6.77	0.00	0.00	0.00	6.77			
31	Garhwal	O&M	Replacement of 132/33 KV 40 MVA transformer at 132 KV S/s Roorkee	5.43	0.00	0.00	0.00	5.43			
32	Garhwal	O&M	Installation of 220/33 KV 50 MVA transformer and construction of 3 Nos 33 KV bay at 220 KV Sidcul S/s Haridwar	9.20	0.00	0.00	0.00	9.20			
33	Garhwal	O&M	Construction of 2X40 MVA 132/33 KV Chudiyala S/s and its LILO line	16.80	0.00	0.00	0.00	16.80			
34	Garhwal	O&M	Augmentation of 132 KV Substation Kotdwar from 2x40 MVA to 3x40 MVA by procurement, erection & commissioning of 01 No 132/33 KV 40MVA Transformer & Construction of 03 Nos. 33 KV Bays at 132 KV S/S Kotdwar (P.G.)	0.00	10.16	0.00	0.00		10.16		
35	Kumaon	O&M	Increasing capacity of 132 KV S/S Kathgodam form 40 MVA to 80 MVA	0.31	0.00	0.00	0.00		2.94		
36	Kumaon	O&M	Increasing capacity of 132 KV S/S Bhowali form 30 MVA to 50 MVA	0.39	0.00	0.00	0.00		2.36		
37	Kumaon	O&M	Increasing capacity of 132 KV S/S Almora form 40 MVA to 60 MVA	0.80	0.00	0.00	0.00		2.54		
38	Kumaon	O&M	Increasing capacity of 132 KV S/S Bazpur form 80 MVA to 120 MVA	0.62	0.00	0.00	0.00		5.22		
39	Kumaon	O&M	Augmentation of Transformer from 2x40 MVA to 3x40 MVA at 220KV Substation, Kamaluaganja (Haldwani)	0.00	6.70	0.00	0.00		6.70		
40	Kumaon	O&M	I/C of existing 33KV Capacitor Bank from 2X5 MVAR TO 3X5 MVAR at 132KV Substation, Almora	0.00	0.40	0.00	0.00		0.40		
41	Kumaon	O&M	Increasing capacity of 132 KV S/S Jaspur from 2x40MVA to 3x40MVA.	0.00	6.70	0.00	0.00		6.70		

S. No.	Region	Division	Project	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
42	Kumaon	O&M	Supply and Commissioning of 2X5MVA capacitor bank at 132 KV Substation, Kathgodam	0.00	0.45	0.00	0.00		0.45		
43	Kumaon	O&M	Re-alignment of tower at loc. No. 30 to a safe place of 132 KV Kathgodam -Bhowali line.	0.00	0.50	0.00	0.00		0.50		
44	Kumaon	O&M	Provision of additional 2X5 MVAR 33 KV Capacitor Bank at 132 KV Substation, Pithoragarh	0.00	0.56	0.00	0.00		0.56		
45	Kumaon	O&M	Replacement of 1x3x5MVA T/F bank with 20MVA Transformer at 132 KV Bhowali (T/F at Bazpur shall be utilized)	0.00	0.10	0.00	0.00		0.10		
46	Kumaon	O&M	Installation of 1 no. 315MVA T/F (400/220KV) at 400KV Substation, Kashipur	0.00	0.00	11.51	0.00			11.51	
47	Kumaon	O&M	Construction of 03 Nos. 400KV Bay at 400KV Substation, Kashipur ((i) Bay for 315MVA T/F-III (ii) Bay for 50MVAR Reactor (iii) Bay for future 400KV Srinagar-Kashipur line II ckt)	0.00	6.87	6.83	0.00			13.71	
48	Kumaon	O&M	Construction of 01 no. 50MVAR Reactor at 400KV Substation, Kashipur	0.00	0.00	5.50	0.00			5.50	
49	Kumaon	O&M	Construction of 220 KV Bus Sectionizing at 400KV Substation, Kashipur	0.00	0.00	0.98	0.00			0.98	
50	Kumaon	O&M	Installation of 01 no. 160MVA T/F (220/132KV) at 400KV Substation, Kashipur	0.00	0.00	6.10	1.53			7.63	
51	Kumaon	O&M	Construction of 2 Nos. 220KV T/F Bay at 400KV Substation, Kashipur	0.00	0.71	1.42	0.00			2.14	2.14
52	Kumaon	O&M	Construction of 3 Nos. 132KV Bay at 400KV Substation, Kashipur	0.00	0.85	3.42	0.00			4.27	
53	Kumaon	O&M	Installation of 01 No. 40MVA T/F at 400KV Substation, Kashipur	0.00	0.00	3.34	0.00			3.34	
54	Kumaon	O&M	Construction of 01 no. 33KV bay at 400KV Substation, Kashipur	0.00	0.00	0.39	0.00			0.39	
55	Kumaon	O&M	Construction of 01 no. 33KV Bay against requirement of UPCL at 132 KV Substation, Almora	0.00	0.00	0.23	0.00			0.23	
56	Kumaon	O&M	Provision of Hybrid module (due to space constraint) for construction of Transfer Bus at 132KV S/s, Pithoragarh	0.00	0.00	1.59	0.00			1.59	
57	Kumaon	O&M	Work of replacement of old ACSR panther conductor with HPC conductor in 132 KV Kashipur(400) – Kashipur Ckt-II line at 132 KV Substation, Kashipur	0.00	0.00	3.20	0.00			3.20	
58	Kumaon	O&M	Stringing of HPC in second circuit of 132 KV Kashipur(400) –Bazpur line along with construction of one no. 132 KV bay at 132 KV S/S Bazpur	0.00	0.00	16.00	0.00			16.00	
59	Kumaon	O&M	Replacement of 02 Nos 220KV D/C towers (with DD+15) at location no 55 & 56 in 220 KV Kashipur(400)- Mahuakheraganj line for providing safe clearance.	0.00	0.00	3.70	0.00			3.70	

S. No.	Region	Division	Project	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
60	Kumaon	O&M	I/C of 132 KV S/S, Kichha from 2 X 40 to 3 x 40 MVA alongwith construction of Bus Coupler bay at Kichha.	0.00	0.00	2.20	1.80			4.00	
61	Kumaon	O&M	Replacement of ACSR Panther conductor in 132 KV Pantnagar-Rudrapur line with ACCC Casablanca conductor	0.00	0.00	4.40	3.60			8.00	
62	Kumaon	O&M	Increasing capacity of 132 KV S/S Ramnagar from 1x20+1x40MVA to 2x40MVA	0.00	0.00	4.00	0.00			4.00	
63	Kumaon	O&M	Construction of 2 Nos. 220KV Bay at 400KV Substation, Kashipur	0.00	0.71	1.43	0.00				
64	Kumaon	O&M	Construction of 220/132/33 KV S/s at Khurpiya Farm	0.00	0.00	49.50	40.50				90.00
65	Kumaon	O&M	Construction of 2 nos 220 KV bays at 220 KV S/s PGCIL, Sitarganj.	0.00	0.00	2.75	2.25				5.00
66	Kumaon	O&M	Construction of 220 KV D/C line from PGCIL S/s, Sitarganj-Khurpiya Farm line	0.00	0.00	40.42	33.08				73.50
67	Kumaon	O&M	Construction of LILO of 220 KV Bareilly-Pantnagar line at Khurpiya Farm	0.00	0.00	2.88	2.37				5.25
68	Kumaon	O&M	Construction of LILO of 132 KV Rudrapur-Kichha line at Khurpia farm.	0.00	0.00	1.65	1.35				3.00
69	Kumaon	O&M	Termination of 132KV CPP line at proposed 220KV s/s Khurpiya Farm at Kichha	0.00	0.00	1.10	0.90				2.00
70	Kumaon	O&M	Replacement of Old 2X3x5 MVA Transformer with 2X20 MVA Transformer at 132 KV Substation, Ranikhet	0.00	0.00	0.00	5.07				5.07
71	Kumaon	O&M	Construction of 132 KV Substation, Bhikiasain alongwith associated transmission line at 132 KV Substation, Ranikhet (30Kms)	0.00	0.00	0.00	80.00				80.00
72	Kumaon	O&M	Replacement of Old 2X3x5 MVA Transformer with 2X20 MVA Transformer at 132 KV Substation, Pithorgarh	0.00	0.00	0.00	6.60				6.60
73	Kumaon	O&M	Construction of 04 Nos of 33 KV bays at 132 KV S/S Bazpur (Deposit)	0.00	0.00	0.00	1.70				
74	Kumaon	O&M	Construction of 132 KV Mahuakheraganj(220)- Jaspur (21 Kms) with 01 No. bay at 132 KV Substation, Jaspur	0.00	0.00	0.00	21.00				21.00
75	Kumaon	O&M	Replacement of ACSR panther conductor with HPC conductor of 132 KV Kashipur-Mahuakheraganj (220) line	0.00	0.00	0.00	10.30				10.30
76	Kumaon	O&M	Replacement of 1X3x5MVA transformer bank with new 20MVA Transformer at 132 KV Substation, Bhowali	0.00	0.00	0.00	2.00				2.00
77	Kumaon	O&M	Strengthening of 132KV Haldwani-Bhowali line by replacement through HPC conductor.	0.00	0.00	0.00	14.00				14.00
78	Kumaon	O&M	Construction of 132/33KV S/s at Golapar, Haldwani	0.00	0.00	21.20	31.80				53.00
79	Kumaon	O&M	LILO of 132KV Kathgodam-Pantnagar line at proposed 132KV Golapar S/s (App. 15KM)	0.00	0.00	0.00	15.00				15.00

S. No.	Region	Division	Project	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
80	Kumaon	O&M	Construction of 132KV S/Ckt line on D/C Towers for 132KV Golapar(Proposed) S/s from 220KV Khurpia Farm (Proposed) S/s (App.30KM)	0.00	0.00	0.00	30.00				30.00
81	Kumaon	O&M	Construction of 132/33 KV S/s, Khatima-II	0.00	0.00	22.00	18.00				40.00
82	Kumaon	O&M	Construction of 132 KV LILO line for 132 KV S/s Khatima-II	0.00	0.00	6.60	5.40				12.00
83	Kumaon	O&M	Construction of 132 KV LILO line for 132 KV S/s SIDCUL Phase-II, Sitarganj	0.00	0.00	5.50	4.50				10.00
84	Kumaon	O&M	Construction of 132/33 KV S/s at SIDCUL Phase-II Sitarganj	0.00	0.00	22.00	18.00				40.00
85	Kumaon	O&M	Replacement of ACSR Panther conductor in 132 KV PGCIL-SIDCUL Sitarganj line with ACCC Casablanca conductor	0.00	0.00	10.87	8.87				19.74
86	Kumaon	O&M	Replacement of ACSR Panther conductor in 132 KV Kichha-Sitarganj line with ACCC Casablanca conductor	0.00	0.00	15.47	12.65				28.12
87	Kumaon	O&M	Replacement of ACSR Wolf conductor in 132 KV Piliphit-Khatima D/C line with ACCC copen hagan conductor	0.00	0.00	42.07	34.43				76.50
88	Kumaon	O&M	Increasing capacity of 132 KV S/S Bazpur from 1x40+1x80MVA to 2x80MVA.	0.00	0.00	0.00	11.00				11.00
89	Kumaon	O&M	Construction of 132 KV transfer bus and extension of switchyard at 132 KV S/S Bazpur	0.00	0.00	0.00	3.50				3.50
90	Kumaon	O&M	Construction of boundary wall/ flood protection wall around 132 KV S/S Bazpur	0.00	0.00	0.00	2.00				2.00
91	Kumaon	O&M	Augmentation of 220KV S/s Pantnagar alongwith construction of 02Nos 220 KV Bays and 02 Nos 33 KV Bays.(REC)	4.17	0.00	0.00	0.00	8.21			
92	Kumaon	O&M	Development of Switchyard including dismantling chain link fencing and re-erection for 2x50 MVA T/F at 220 KV S/s Pantnagar.(REC)	0.36	0.00	0.00	0.00	0.36			
93	Kumaon	O&M	Increasing capacity of 132 KV S/s Ranikhet (1*30 MVA to 1*50 MVA) (132/33)	0.50	0.00	0.00	0.00	0.50			
94	Kumaon	O&M	const of 01 no. of incoming bay at 132 KV Sitarganj from 220 KV S/s PGCIL Pantnagar	0.85	0.00	0.00	0.00	0.85			
95	Kumaon	O&M	LILO of 132 KV Almora-Pithoragarh at 220 KV Pithoragarh (PGCIL) (Additional capitalisation)	0.23	0.00	0.00	0.00	0.23			
96	Kumaon	O&M	Furnitures & fixtures	0.01	0.00	0.00	0.00	0.01			
97	Kumaon	O&M	Office equipment	0.01	0.00	0.00	0.00	0.01			

Miscellaneous Projects

S.No.	Region	Division	Project	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
1	Kumaon	Civil O&M	Construction of field hostel	0.00	1.10	0.74	0.00				
2	Kumaon	Civil O&M	Construction of 2 Nos. type IV Quarters	0.00	0.70	0.39	0.00				
3	Kumaon	Civil O&M	Construction of 1 Nos. type IV quarter	0.00	0.50	0.00	0.00				
4	Kumaon	Civil O&M	Extension of control room building	0.00	0.20	0.00	0.00				
5	Kumaon	Civil O&M	Construction of boundary wall/ flood protection wall	0.00	0.00	0.00	1.56				
6	Kumaon	Civil O&M	Construction of boundary wall	0.00	1.95	0.00	0.00				
7	Kumaon	Civil O&M	Construction of 2 Nos. type IV quarters	0.00	0.00	0.81	0.00				
8	Kumaon	Civil O&M	Construction of 1 Nos. type V quarter	0.00	0.00	0.00	0.63				
9	Kumaon	Civil O&M	Construction of guest house	0.00	0.00	0.00	1.04				
10	Kumaon	Civil O&M	Construction of 1 Nos. type IV quarter	0.00	0.00	0.00	0.43				
11	Kumaon	Civil O&M	Construction of 2 Nos. type III quarter	0.00	0.00	0.50	0.00				
12	Kumaon	Civil O&M	Construction of 5 Nos. type II quarter	0.00	0.90	0.00	0.00				
13	Kumaon	Civil O&M	Construction of boundary wall	0.00	1.75	0.85	0.00				
14	Kumaon	Civil O&M	Construction of 2 Nos. type IV quarter	0.00	0.00	0.20	0.62				
15	Kumaon	Civil O&M	Construction of field hostel	0.00	1.42	0.00	0.00				
16	Kumaon	Civil O&M	Construction of 2 Nos. type V quarter	0.00	0.00	1.30	0.00				
17	Kumaon	Civil O&M	Construction of SE office	0.00	0.58	0.00	0.00				
18	Kumaon	Civil O&M	Construction of 1 Nos. type IV quarter at Kiccha	0.00	0.00	0.00	0.42				
19	Kumaon	Civil O&M	Construction of boundary wall	0.00	0.00	0.36	1.00				
20	Kumaon	Civil O&M	Construction of boundary wall	0.00	1.98	0.00	0.00				
21	Kumaon	Civil O&M	Construction of approach road	0.00	0.44	0.00	0.00				
22	Kumaon	Civil O&M	Construction of office, store, Type III quarters, Type IV quarters and renovation of staff quarters and building etc	0.00	0.00	0.35	0.63				
23	Kumaon	Civil O&M	Construction of Flood Protection works	0.86	0.00	0.00	0.00				
24	Kumaon	Civil O&M	Construction of Well Foundation at tower location no. 146	0.57	0.00	0.00	0.00				
25	Kumaon	Civil O&M	Construction of 02 No. of Well Foundation at tower location no. 74B & 75B	1.46	0.00	0.00	0.00				
26		Civil	Construction of H.Q. Colony at 132 KV Majra	0.00	31.02	41.36	35.16				
27		Civil	Store shed	0.05	0.17	0.00	0.00				
28		Civil	Office building	0.08	0.26	0.00	0.00				
29		Civil	Colony(1 no Type-IV,6 no Type-III,9 no Type-II,6 no Type-I)	0.00	1.35	1.62	1.01				
30		Civil	Developmet of terraces for Colony & office	0.00	1.64	0.63	0.00				
31		Civil	Road for colony & office	0.00	0.84	0.00	0.00				
32		Civil	Storm water drainage	0.00	0.20	0.00	0.00				
33		Civil	Main Pipeline for Colony	0.00	0.11	0.00	0.00				

S.No.	Region	Division	Project	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
34		Civil	Water supply scheme (OHT & Pipeline)	0.00	0.24	0.00	0.00	3.85	3.18	27.83	153.37
35		Civil	Land scaping in S/S	0.00	0.06	0.00	0.00				
36	Kumaon	Civil O&M	Construction of Water supply mains	0.28	0.00	0.00	0.00				
37	Kumaon	Civil O&M	Constn. of Fire Protection Wall	0.00	0.08	0.00	0.00				
38	Kumaon	Civil O&M	Constn of toe wall	0.00	0.57	0.00	0.00				
39	Kumaon	Civil O&M	Constn. Of OH Tank (100 KL)	0.00	0.51	0.00	0.00				
40	Kumaon	Civil O&M	Seperation of Gate for 33 KV S/S	0.00	0.00	0.11	0.00				
41	Kumaon	Civil O&M	Dismantling of old quarters and construction of type II residence at 220/132 kv ramnagar rorkee	0.42	0.00	0.00	0.00				
42	Kumaon	Civil O&M	Special maintenance of control room, road, drains, and residences at 220/132 kv ramnagar rorkee	0.06	0.00	0.00	0.00				
43	Kumaon	Civil O&M	Constn. of Battery Room	0.00	0.00	0.03	0.00				
44	Kumaon	Civil O&M	Constn. of Fire Protection Wall	0.00	0.00	0.08	0.00				
45	Kumaon	Civil O&M	Const. of 1 no. type-IV Quarters	0.00	0.20	0.22	0.00				
46	Kumaon	Civil O&M	Extn. Of C.R. Bldg.	0.00	0.00	0.21	0.00				
47	Kumaon	Civil O&M	Constn. of Fire Protection Wall	0.00	0.00	0.08	0.00				
48	Kumaon	Civil O&M	Constn. Of OH Tank (30 KL)	0.00	0.00	0.00	0.30				
49	Kumaon	Civil O&M	Constn. Of 3 No. Type III, 6 No. Type II Qtrs	0.00	0.30	1.04	0.00				
50	Kumaon	Civil O&M	Landscapping	0.00	0.10	0.10	0.00				
51	Kumaon	Civil O&M	Providing Cooking Platform in Kitchen in Residences	0.00	0.00	0.09	0.00				
52	Kumaon	Civil O&M	Const. of 1 no. type-IV Quarter, 5 nos. type-III Qtr.,3 no.s-type-II Qtr. ,6 nos.-type-I Quarters	0.00	0.50	2.12	0.00				
53	Kumaon	Civil O&M	Landscapping,earthfilling,levelling&dressing,rain water harvesting,internalroad,fencing& lawn .	0.00	0.12	0.14	0.00				
54	Kumaon	Civil O&M	Dewatering arrangement	0.00	0.50	0.39	0.00				
55	Kumaon	Civil O&M	Construction of Boundary wall of colony	0.00	0.00	1.20	0.00				
56	Kumaon	Civil O&M	Construction of Concrete flooring in front of C.R. building upto S/S Main gate	0.03	0.00	0.00	0.00				
57	Kumaon	Civil O&M	Construction of Switchyard Main gate & approach road	0.15	0.00	0.00	0.00				
58	Kumaon	Civil O&M	Construction of Kota staone flooring in C.R. building and Erector Hostel building	0.00	0.04	0.04	0.00				
59	Kumaon	Civil O&M	Roof treatment of tpe II and 8 No's, type IIIrd, 2 No's and type Ist 12 No.	0.00	0.00	0.42	0.00				
60	Kumaon	Civil O&M	Construction of chain link fencing	0.05	0.00	0.00	0.00				
61	Kumaon	Civil O&M	Constrcution of Tube well	0.00	0.12	0.00	0.00				
62	Kumaon	Civil O&M	Construction of Type III, 3 Nos. Qtrs.	0.00	0.00	0.30	0.40				
63	Kumaon	Civil O&M	Construction of A.E. Trans. A.E. Civil office	0.00	0.00	0.20	0.00				

S.No.	Region	Division	Project	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
64	Kumaon	Civil O&M	Landscapping, earthfilling, levelling & dressing, rain water harvesting, internalroad, fencing & lawn	0.00	0.00	0.08	0.00				
65	Kumaon	Civil O&M	Construction of Transmission Division office	0.00	0.00	0.67	0.00				
66	Kumaon	Civil O&M	Construction of type IV, 1 No. Qtrs.	0.00	0.20	0.16	0.00				
67	Kumaon	Civil O&M	Construction of type III No's (D/S) Quarters	0.00	0.40	0.49	0.00				
68	Kumaon	Civil O&M	Landscapping, earthfilling, levelling & dressing, rain water harvesting, internalroad, fencing & lawn	0.00	0.10	0.10	0.00				
69	Kumaon	Civil O&M	Construction of 2 Nos. Type III (S/S)	0.00	0.00	0.24	0.20				
70	Kumaon	Civil O&M	Construction of 4 Nos. type II (D/S)	0.00	0.00	0.20	0.36				
71	Kumaon	Civil O&M	Construction of 1 Nos. Store shed	0.00	0.00	0.10	0.12				
72	Kumaon	Civil O&M	Balance Civil works (Construction of water supply system, chain link fencing. Road for colony and office, drainage,plantation of bushessite development, turfing & antiweedtreatment, boundary wall etc.)	0.00	0.00	2.40	1.03				
73	Kumaon	Civil O&M	(Balance work) Raising of Boundary wall, chain link fencing, water supply mains etc.	0.00	0.43	0.00	0.00				
74	Kumaon	Civil O&M	Turfing & antiweed treatment	0.00	0.40	0.00	0.00				
75	Kumaon	Civil O&M	Construction of boundary wall 400 KV S/S	0.00	0.00	1.05	0.00				
76	Kumaon	Civil O&M	Construction of boundary wall for 800 KV	0.00	0.00	1.24	0.00				
77	Kumaon	Civil O&M	Construction of over head tank capacity 100 KL liter capacity	0.00	0.00	0.45	0.00				
78	Kumaon	Civil O&M	R&M works of Approach C.C. road to colony	0.00	0.13	0.00	0.00				
79	Kumaon	Civil O&M	Construction of multipurpose Hall/Odotorium	0.00	0.47	0.00	0.00				
80	Kumaon	Civil O&M	Construction of 01 Nos. A.E. Transmission office	0.00	0.00	0.00	0.10				
81	Kumaon	Civil O&M	Construction of 3 Nos Type III (D/S)	0.00	0.00	0.00	0.60				
82	Kumaon	Civil O&M	Construction of 1 No Type IV (S/S)	0.00	0.00	0.00	0.32				
83	Kumaon	Civil O&M	Land development works	0.00	0.00	0.00	0.10				
84	Kumaon	Civil O&M	Construction of 01 No. well foundation for Jwalapur-Roorkee line & protection works	0.00	0.00	0.80	0.30				
85	Kumaon	Civil O&M	Construction of 01 No. well foundation for Sidcul - Roorkee line protection works	0.00	0.00	0.80	0.30				
86	Kumaon	Civil O&M	Construction of 01 No Type IV (S/S)	0.00	0.00	0.12	0.20				
87	Kumaon	Civil O&M	Land development work	0.00	0.00	0.00	0.10				
88	Kumaon	Civil O&M	Construction of CR buiding at 132 KV S/S Chudiyala	0.50	0.00	0.00	0.00				
89	Kumaon	Civil O&M	Approach road & dev work	0.03	0.00	0.00	0.00				

S.No.	Region	Division	Project	Capital Expenditure (Rs. Crore)				Capitalisation (Rs. Crore)			
90	Kumaon	Civil O&M	Protection of Tower foundation at location 3,4,5,6 of LILO of 220 KV Khodri at 220 KV Rishikeh Line	0.08	0.00	0.00	0.00				
91	Kumaon	Civil O&M	R&M of approach C.C. road to colony & switch yard to 132 KV S/S Purkulgaon, Dehradun	0.00	0.00	0.00	0.33				