

**Capital Works in Progress**

Detail of Capital Expenditure for FY 2020-21  
(Rs. In Crore)

Sr No.	Sr No. as per CIP Order	Particulars	CAPEX FY 2020-21				Capitalization during the year FY 2020-21			
			Hard Cost	IEDC	IDC	Total	Hard Cost	IEDC	IDC	Total
<b>Table 31: Schemes Approved in 1st Control Period (From FY 2017-18 to FY 2019-20)</b>										
1	A	Unforeseen Expenditure on works on 2018-19	1.80	0.61	0.22	2.63	0.69	0.37	0.13	1.19
2	39	Bus Bar Protection scheme for 45 no S/Stns. (90% funding Under Power System Development Fund (PSDF), 10% amount accounted for in FY 2017-18	4.08	1.31	0.01	5.40	4.06	0.55	0.01	4.62
3	60	220 kV S/S Derabassi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	62	400 kV S/Stn. Makhu	6.60	2.19	0.15	8.95	0.42	0.05	0.00	0.47
5	89	220 kV S/S Dhandhari Kalan 1 and 2	2.06	0.68	0.09	2.83	0.00	0.00	0.00	0.00
6	90	220 kV S/S Sahnewal	1.17	0.35	0.06	1.58	0.00	0.00	0.00	0.00
7	102	New Civil Works in respect of 5 no. stores such as sheds, plinths and Boundry walls etc.	0.75	0.28	0.16	1.19	3.59	0.45	0.10	4.14
8	104	Procurement of Hardwares, Server, Furniture, IT Space renovation (Civil Works) & Unforeseen Capital Investment	0.31	0.12	0.06	0.49	1.00	0.25	0.23	1.48
9	107	220 kV S/Stn Sadiq	7.03	2.25	0.33	9.61	6.91	0.12	0.00	7.03
10	108	220 kV S/StnBajakhana	0.31	0.10	0.23	0.64	7.17	1.48	0.21	8.86
11	110	220 kV S/StnGhubaya	0.05	0.02	0.08	0.15	1.57	0.23	0.00	1.80
12	116	220 kV S/StnBanga (U/G from 132 kV)	8.55	2.87	0.67	12.09	2.72	0.87	0.52	4.11





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Sr No.	Sr No. as per CIP Order	Particulars	CAPEX FY 2020-21				Capitalization during the year FY 2020-21			
			Hard Cost	IEDC	IDC	Total	Hard Cost	IEDC	IDC	Total
38	171	132 kV IGC, Bathinda	0.01	0.00	0.00	0.01	0.08	0.02	0.08	0.18
39	172-175	1. Aug/Strengthening of bus bars 2. Extension in Switchyard buildings, Provision for AC etc. 3. Provision for Reactive Compensation 4. Addition of bays/system strengthening required on account of RE generation	5.13	1.57	0.71	7.41	9.10	1.94	0.54	11.58
40	176	Replacement of Existing conductor of 220 kV Mohali-I - Mohali-II line	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	177	220 kV S/StnFazilka (U/G from 66 kV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	178	400 kV S/StnMukatsar - 220 kV S/StnFazilka 220 kV DC line	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	179	220 kV Bays	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	180	220 kV DC line from 400 kV Jalandhar (PGCIL) to 220 kV Kartarpur	0.13	0.01	0.01	0.15	0.13	0.01	0.01	0.15
		<b>Total (A)</b>	<b>56.83</b>	<b>19.57</b>	<b>4.71</b>	<b>82.40</b>	<b>47.93</b>	<b>9.19</b>	<b>2.33</b>	<b>59.45</b>
<b>Table 13 : Scheme approved by the Board in FY 2019-20 outside the first MYT approval</b>										
45	1a	132 kV Faridkot – Kotkapur-2 SC link (Amendment no. 16 / 2018-19)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	1b		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	2a	132 kV Sihora-132 kV Seh SC line	0.26	0.12	0.01	0.39	0.00	0.00	0.00	0.00
48	2b		0.30	0.09	0.01	0.40	0.46	0.06	0.00	0.52















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Sr No.	Sr No. as per CIP Order	Particulars	CAPEX FY 2020-21				Capitalization during the year FY 2020-21			
			Hard Cost	IEDC	IDC	Total	Hard Cost	IEDC	IDC	Total
127	63	xxvi) 132kV Kathunangal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
128	64	xxvii) 132kV Bhikhiwind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
129	65	xxviii) 132kV Shri Hargobindpur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
130	66	xxx) 132kV Phillour	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
131	67	xxxi) 132kV Bilaspur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
132	68	xxxii) 132kV Tangra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
133	69	Augmentation of bus bars, extension in control room building, providing room for second source for station battery etc.	0.05	0.02	0.00	0.07	0.00	0.00	0.00	
134	70	Additional 220/132/66 kV line bays related with feasibility cases or as per PSPCL requirement.	0.30	0.10	0.00	0.47	0.00	0.00	0.00	
135	71	Second source of battery at various 220/132 kV S/s of PSTCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
136	72	90 nos PSTCL grids (220 kV) to be provided with SAS. Report already sent for PSDF funding if approved, these stations will be upgraded.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
137	73	Digitization of existing 220 kV S/s Passiana.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
138	74	Replacement of existing conductor of 220 kV Gobindgarh - 400kV Rajpura (DC), 220 kV Kohara - 400 kV Dhanansu (DC), 220 kV Kohara - Sahnewal (B) (SC) with HTLS of suitable capacity.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
139	75	Additional of 14 No T/f on account of making (N-1) complaint system for those grids where only one T/f existing (Annexure-C).	0.11	0.03	0.00	0.34	0.00	0.00	0.00	





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Sr No.	Sr No. as per CIP Order	Particulars	CAPEX FY 2020-21				Capitalization during the year FY 2020-21			
			Hard Cost	IEDC	IDC	Total	Hard Cost	IEDC	IDC	Total
162	6	Tan Delta and Resistive kit for testing of Transformer oil.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
163	7	PT/CVT testing kit for ODTL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
164	8	Remote Control Operation of 400kV S/StnsMukhtsar, Nakodar and Makhu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
165	9	Insulation Tester for new Substations (25 No.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
166	10	Online partially discharge monitoring kit equipment for 400 kV ICT at 400kV S/s.(14 No.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
167	11	CRM- Contact Resistance measurement meter for maintenance gang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
168	12	Upgrading of 2 No. 3 Phase Relay testing kits of 400kV protection Hub and SAP Hub with CMGPS (testing kit synchronising equipment and software) for end to end testing as per recommendation of 3rd party protection audit alongwith advance teaspaly software.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
169	13	Loader cum Cr.ane for Amritsar Circle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
170	14	Mobile oil filtration sets under P&M Circle (4 No., 6KL/H)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
171	15	Construction of Security Huts at 220/132kV Sub stations.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
172	16	Refixing of UC Fencing at top toe wall to safeguard yard area from fire.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
173	17	Providing Plinths for 2 sets (20 No.) of ERS- Emergency Restoration System Towers at 400kV S/S Rajpura,Nakodar and 220kV Muktsar	0.38	0.05	0.00	0.43	0.38	0.05	0.00	0.43

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			Hard Cost	IEDC	IDC	Total	Hard Cost	IEDC	IDC	Total
174	18	Providing RCC Roads in 220kV S/S to facilitate movement of heavy vehicle loaded with equipment.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
175	19	Providing PCC in the yard area in 220kV S/s	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
176	20	Providing AC and Furniture at kangra Rest House	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		<b>Total (F)</b>	<b>0.38</b>	<b>0.05</b>	<b>0.00</b>	<b>0.43</b>	<b>0.38</b>	<b>0.05</b>	<b>0.00</b>	<b>0.43</b>
		<b>Total New Works (D + E + F) = G</b>	<b>16.10</b>	<b>4.65</b>	<b>0.38</b>	<b>22.04</b>	<b>9.40</b>	<b>1.04</b>	<b>0.00</b>	<b>11.15</b>
		<b>Grand Total (C + G) = H</b>	<b>73.60</b>	<b>24.47</b>	<b>5.22</b>	<b>105.48</b>	<b>58.27</b>	<b>11.60</b>	<b>2.34</b>	<b>72.92</b>
		<b>Less : Cost of Dismantal Transformers being re-used ( I)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		<b>Net Capital Investment (H - I) = J</b>	<b>73.60</b>	<b>24.47</b>	<b>5.22</b>	<b>105.48</b>	<b>58.27</b>	<b>11.60</b>	<b>2.34</b>	<b>72.92</b>
55	Table 13 -	<b>Solar system on roof top. (Approved vide Order dated 22.06.2021 (Pet no. 10/2021)</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		<b>Contributory and PSDF (excluding sr.39)</b>	65.54	0.00	0.02	90.88	0.25	0.05	0.02	2.40
		PSDF (25%)				0.69				
	10%					1.23				
		<b>Any Other</b>	37.97	4.32	0.60	20.20	115.48	3.80	1.85	118.38
		<b>Total CAPEX for STU</b>	<b>177.11</b>	<b>28.78</b>	<b>5.84</b>	<b>218.49</b>	<b>174.00</b>	<b>15.45</b>	<b>4.21</b>	<b>193.70</b>
		<b>CAPEX for SLDC (list attached)</b>				0.95				4.82

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			Hard Cost	IEDC	IDC	Total	Hard Cost	IEDC	IDC	Total
<b>Table 22: Schemes Approved in 1st Control Period (From FY 2017-18 to FY 2019-20)</b>										
1	1	Scheme for providing 45 nos. Remote Terminal Units for SCADA/EMS system at 220 & 132 kV Substations of PSTCL in Punjab	0.9516	0	0	0.9516	3.5556	0	0	3.5556
2	2	Centralised AC system, Furniture & Fixtures (including office ACs)	0	0	0	0	0	0	0	0
3	3	IT equipment including Server, computer, Displays, software etc. for SLDC, Web site and its offices	0	0	0	0	0	0	0	0
		<b>Total (A)</b>	<b>0.9516</b>	<b>0</b>	<b>0</b>	<b>0.9516</b>	<b>3.5556</b>	<b>0</b>	<b>0</b>	<b>3.5556</b>
<b>Table 22 : New Schemes approved by Commission</b>										
4	4	Implementation of SAMAST scheme in Punjab (Procurement of meters, communication equipment and Hardware and software for Scheduling, Accounting, Metering and settlement of transaction of Electricity)	0	0	0	0	0	0	0	0
5	5	Procurement/Replace ment of 66 nos. RTUs for various substations of PSTCL	0	0	0	0	0	0	0	0
6	6	Extension of SLDC Building	0	0	0	0	0	0	0	0
7	7	OPGW laid by PGCIL under package V on turnkey basis	0	0	0	0	0	0	0	0
		<b>Total (B)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total (A + B) = C</b>	<b>0.9516</b>	<b>0</b>	<b>0</b>	<b>0.9516</b>	<b>3.5556</b>	<b>0</b>	<b>0</b>	<b>3.5556</b>
		47 Number RTU Scheme	2.50	0.00	0.00	2.50	2.50	0.00	0.00	2.50
		09 No.s RTU of PGCIL in GH 25.511	1.2417	0	0	1.2417	1.2417	0	0	1.2417
		<b>Total</b>	<b>4.69</b>	<b>0</b>	<b>0</b>	<b>4.6933</b>	<b>7.2973</b>	<b>0</b>	<b>0</b>	<b>7.30</b>



Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
<b>Spill Over Works of 1st Control Period (From FY 2017-18 to FY 2019-20)</b>											
1	A	Unforeseen Expenditure on works on 2018-19		2020-21	2020-21	6.88		0.00	0.00	0.00	0.00
2	39	Bus Bar Protection scheme for 45 no S/Stns. (90% funding Under Power System Development Fund (PSDF), 10% amount accounted for in FY 2017-18		12-2019	2021-22	1.11	1.82	3.11	0.37	0.05	3.52
3	60	220 kV S/S Derabassi	Addl. 100MVA, 220/66 kV T/F	14.12.2015	2018-19	1.11	9	0.00	0.00	0.00	0.00
4	62	400 kV S/Stn. Makhu	Addl 500MVA 400/220 kV T/F	21.11.2019	2021-22	30.39	29.6	20.69	2.37	0.72	23.79
5	89	220 kV S/S Dhandhari Kalan 1 and 2		Project shifted to CIP No. 10		5.01	9.23	0.00	0.00	0.00	0.00
6	90	220 kV S/S Sahnewal	Provision of making 66 kV double bus arrangement including dismantlement & erection of new towers-	28/4/2017	2022-23	0.2	2.2	0.81	0.09	0.13	1.03
7	102	New Civil Works in respect of 5 no. stores such as sheds, plinths and Boundry walls etc.	HR, IT, S&D Organization work	2022-23	2022-23	4.23		0.18	0.05	0.02	0.25
8	104	Procurement of Hardwares, Server, Furniture, IT Space renovation (Civil Works) & Unforeseen Capital Investment	HR, IT, S&D Organization work	01-2022	04-2022	2.58		0.27	0.07	0.03	0.36
9	107	220 kV S/Stn Sadiq	Repl. of 100 MVA with 160 MVA, 220/66 kV T/F	07-2020	2021-22	0.35	8.81	-0.36	0.00	0.05	-0.31

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								Works Exp	EC	IDC	Total Exp
10	108	220 kV S/Stn Bajakhana	Repl. of 100 MVA with 160 MVA, 220/66 kV T/F	20/03/2020	06-2022	0.35	8.81	-0.23	0.00	0.01	-0.22
11	110	220 kV S/Stn Ghubaya	Repl. of 100 MVA with 160 MVA, 220/66 kV T/F	07.10.2019	2022-23	0.35	8.81	0.02	0.00	0.00	0.02
12	116	220 kV S/StnBanga (U/G from 132 kV)	1x100 MVA, 220/132 kV T/F as spared from 220 kV S/StnMahilpur	01-2019	Dec 2022	2.79	8.19	1.02	0.14	0.03	1.19
13	119	220 kV Line bays at 220 kV S/StnBanga (Proposed)	2 Nos. (cost of 1no. Line bay already included in s/stn.	01-2019	May 2022	0.33	1.3	0.00	0.00	0.00	0.00
14	120	220 kV S/Stn Sherpur (Focal Point) (U/G from 66 kV grid with 220 kV side GIS and 66 kV side Conventional)		27/11/2020	2023-24	4.79	10.2	14.93	1.70	0.31	16.94
15	121	LILO of one ckt of 220 kV S/Stn Jamalpur - 220 kV S/Stn Dhandari Kalan-1 line at 220 kV S/Stn Sherpur (Focal Point)(Amendment 25 2018-19)		1.2021	23-24	1.11	1.94	0.67	0.16	0.10	0.93
16	123	220 kV S/StnBudhlada (U/G from 66 kV)	1x160 MVA, 220/66 kV T/F	17/09/2020	23-24	21.94		1.89	0.32	0.27	2.48
17	124	220 kV S/Stn Mansa - 220 kV S/Stn Budhlada DC Line		2.2021	06-23	18.08	21.88	4.50	1.09	0.67	6.26
18	128	400 kV S/Stn Doraha (New at Village Dhanansu)	2x315 MVA, 400/220 kV T/Fs	05-11-2020	2023-24	37.26	38.62	21.93	3.77	0.48	26.18
19	129	LILO of one ckt. of 400 kVJalandhar-Kurukshetra D/C line f at 400 kV Dhanansu(Quad Moose)	0	10-2021	3.2023	12.04	17.00(approx.)	1.12	0.27	0.17	1.56

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								Works Exp	EC	IDC	Total Exp
20	130	(i) 400 kV Bays (ii) 220 kV Bays at 400 kV S/Stn Doraha	(i) 4 Nos. (ii) 6 Nos.	05-11-2020	Mar 2024	24.23	22.92	0.00	0.00	0.00	0.00
21	131	220 kV Banur- Mohali (GMADA) DC line	0			3.48		0.00	0.00	0.00	0.00
22	132	400 kV Grid Dhanansu (near Doraha)						0.00	0.00	0.00	0.00
				4.22	3.24	3.635		0.00	0.00	0.00	0.00
				4.22	3.24	13.973		0.00	0.00	0.00	0.00
				4.23	3.24	0.299		0.00	0.00	0.00	0.00
				4.23	3.24	2.937		0.00	0.00	0.00	0.00
23	133			04-2022	03-2024	29.421		0.00	0.00	0.00	0.00
24	134		Work dropped vide Amendment No.16/2021-22 Dated 27.07.2021					0.00	0.00	0.00	0.00
	134 (a)		Work dropped vide Amendment No.16/2021-22 Dated 27.07.2021	04-2022	03-2024	10.364		0.00	0.00	0.00	0.00
25	135			22/06/2022	Mar 24	14.552		0.00	0.00	0.00	0.00
26	136	LILO of 220 kV S/Stn Mansa - Sunam (SC) at 400 kV S/Stn Patran (220 kV bus).	0	09-2019	30.6.23.	29.49	27.88	9.08	2.20	1.36	12.64
27	137-140	1. Aug/Strengthening of bus bars 2. Extension in Switchyard buildings, Provision for AC etc. 3. Provision for Reactive Compensation 4. Addition of bays/system strengthening required	0	2020-21	2022-23	3.41	3.275	0.10	0.02	0.02	0.14
28	142	Replacement of Disc Insulators of 400 kV PSTCL lines with Polymer Insulators		4.21	03-23	105.45		0.00	0.00	0.00	0.00

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29	143	220 kV DC line from 220 kV S/Stn Gaungarh to 220 kV S/StnLadhowal.		05-2018	12-22	1.11	13.92	2.82	0.71	0.64	4.16
30	152-155	1. Aug/Strengthening of bus bars 2. Extension in Switchyard buildings, Provision for AC etc. 3. Provision for Reactive Compensation 4. Addition of bays/system strengthening required on account of RE generation		2020-21	Dec 2023	4.87	15	1.19	0.16	0.10	1.44
31	163	132 kV Samadh Bhai	Construction of a new Switch House Building at a new raised level	04.08.2019	15.06.2020	0.67		0.29	0.07	0.03	0.39
32	164	132 kV Pathankot	Construction of a new control-room building by replacing old control - room building	02-11-2018	22/11/2019	0.22		0.00	0.00	0.00	0.00
33	166	220 kV S/Stn Bhawanigarh	Addl. 2nd 100 MVA, 220/66 kV T/F	04.03.2020	Sep 22	6.69	7.44	0.81	0.09	0.02	0.92
34	167	220 kV S/Stn Jadla	Addl. 2nd 100MVA, 220/66 kV T/F	03.02.2020	Dec 22	6.69	7.44	1.07	0.19	0.11	1.38
35	168	220 kV S/Stn Botianwala (Thatha Sahib)	Addl. 3rd 160 MVA, 220/66 kV T/F	01.11.2021	March 23	9.03	10.1	8.23	0.99	0.13	9.34
36	169	220 kV S/Stn Majitha	Addl. 2nd 100 MVA, 220/66 kV T/F	13.10.2020	March 23	6.69	7.44	0.24	0.04	0.01	0.28
37	170	132 kV S/Stn Pathankot	Repl. of 1x12.5/16 MVA, 132/66-33 kV T/F with 1x20/25 MVA, 132/66 kV T/F	26.02.2018	Dec 19	0.23	0.21	0.02	0.00	0.00	0.02
38	171	132 kV IGC, Bathinda	Repl. of 1x25 MVA, 132/66 kV T/F with 1x50 MVA,132/66 kV T/F	11.05.2022		0	0.18	0.00	0.00	0.00	0.00

Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
39	172-175	1. Aug/Strengthening of bus bars 2. Extension in Switchyard buildings, Provision for AC etc. 3. Provision for Reactive Compensation 4. Addition of bays/system strengthening required on account of RE generation	0	2020-21	Dec 2022	11.94	59.2301	1.13	0.14	0.19	1.46
40	176	Replacement of Existing conductor of 220 kV Mohali-I - Mohali-II line	0			31.14		0.00	0.00	0.00	0.00
41	177	220 kV S/Stn Fazilka (U/G from 66 kV)	0	2023-24	2025-26	25.33	17.8	0.00	0.00	0.00	0.00
42	178		0	2023-24	2025-26	26.09		0.00	0.00	0.00	0.00
43	179		0	2023-24	2025-26	5.45	5.28	0.00	0.00	0.00	0.00
44	180	220 kV DC line from 400 kV Jalandhar (PGCIL) to 220 kV Kartarpur	0	05-2022	03-2023	41.83		0.00	0.00	0.00	0.00
		<b>Total (A)</b>				<b>570.12</b>	<b>358.53</b>	<b>95.53</b>	<b>15.00</b>	<b>5.63</b>	<b>116.16</b>
<b>Spill Over Works of 2nd Control Period (From FY 2020-21 to FY 2022-</b>											0.00

Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
45	1a	132 kV Faridkot – Kotkapur-2 SC link (Amendment no. 16 / 2018-19)		31/10/2019	12-2024	11.79	13.03	-0.04	0.00	0.00	-0.04
46	1b			Apr 23	Dec 23	1.11	1	0.00	0.00	0.00	0.00
47	2a	132 kV Sihora-132 kV Seh SC line		01-2021	06-2023	12.18	12.16	2.16	0.52	0.32	3.00
48	2b				01-21	1.11	1	0.00	0.00	0.00	0.00
49	3a	400 kV S/StnNakodar (2x315 MVA, 400/220 kV) (Amendment no. 43 /2018-19)				16.17	14.5	0.00	0.00	0.00	0.00
50	3b	Cost of dismantlement of 1x315 MVA, 400/220 kV ICT at 400 kV Nakodar				0.58	0.5	0.00	0.00	0.00	0.00
51	4	220 kV S/S Beas (new)				1	121.375	0.00	0.00	0.00	0.00
		132KV S/S system at Butari will be dismantled.						0.00	0.00	0.00	0.00
		Bypassing 132 Kv Beas line to Tangra & Dhilwan-Beas/Butari to Ekalgadga after LILO of Dhilwan-Butari at Beas (new)						0.00	0.00	0.00	0.00
		Existing 3 and additional 3						0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
				1.16				0.00	0.00	0.00	0.00
				31.4				0.00	0.00	0.00	0.00
52	5	400 kV Rajpura–220 kV Bassi Pathana DC Link. (Amendment no. 13 /2019-20)				17.06		-0.06	0.00	0.00	-0.06
53		4no. 220 kV Bays				5.89		0.00	0.00	0.00	0.00
54		220 kV Side bus extension arrangement to be made at 400 kV Rajpura for providing suitable space for 2 Nos 220 kV Bays				0.1		0.00	0.00	0.00	0.00

Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
56	7	OPGW				37.05		4.28	1.04	0.64	5.96
57	8	220 kV Patti	Replacement of 1x100 MVA, 220/66 kV to 1x160 MVA, 220/66 kV T/F.			8.44	8.54	0.00	0.00	0.00	0.00
58	9	220 kV Ferozepur road Ludhaiana	Replacement of 1x100 MVA, 220/66 kV to 1x160 MVA, 220/66 kV T/F.			8.44	8.54	0.14	0.02	0.00	0.17
59	10	220 kV Dhandari Kalan - 2	2x160 MVA, 220/66 kV T/F at new location to be added (with complete new ICT bays			20.54	20.2	0.00	0.01	0.17	0.18
60	11		dismantlement of 2x100 MVA T/F for creating space for double bus bar			0.8	1	0.00	0.00	0.00	0.00
61	12		interconnecting 66 kV double bus bar of dhandarikalana 1-dhandarikalana 2			1.6	2	0.49	0.12	0.05	0.66
		<b>Total (B)</b>				<b>143.86</b>	<b>203.85</b>	<b>6.97</b>	<b>1.71</b>	<b>1.18</b>	<b>9.87</b>
62	1	1 No. 400kV ICT bay, 1 No. 400 kV Tie bay, 1 No. 400 kV Future bay, 1 No. 220 kV ICT bay at 400 kV Rajpura. Amendment No. 20/ 2018-19	0			32.27	28	21.84	2.67	0.17	24.68
63	2	Jumpering arrangement on tower no. T.L 290 for Termination of direct link 220 kV between Lalton Kalan Sahnewal (Amendment no. 04 / 2021-22)	In order to have PGCIL Ludhiana-220 kV Sahnewal as D/C (so as to avoid direct link between 220 kV Lalton Kalan-Sahnewal), termination shall be done at terminal tower at 220 kV LAlton Kalan end.			0.06		0.02	0.00	0.00	0.02
64	3	400kV, 200MW Permanent Power to Guru Gobind Singh Polymer Addition Project-HPCL Mittal Energy Limited. (Amendment no. 21 (ii,iii& iv) / 2018-19)	-			1	29	0.00	0.00	0.00	0.00
		<b>Total (C)</b>				<b>33.33</b>	<b>57.00</b>	<b>21.86</b>	<b>2.67</b>	<b>0.17</b>	<b>24.70</b>
<b>Table 17 : New Works planned for the 2nd Control Period from FY 2020-</b>								0.00	0.00	0.00	0.00
65	1	400 kV S/s Ropar New Grid (in the premises of GGSSTP)	Establishment of 400 kV AIS station along with auxiliary, control room building, Gantry structure, extension provision etc.			29.23		0.00	0.00	0.00	0.00

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								Works Exp	EC	IDC	Total Exp
66	2		400 kV S/s with 2x500 MVA, 400/220 kV ICTs			36.38	32	0.00	0.00	0.00	0.00
67	3		400 kV bays = 4 Nos			17.59	15	0.00	0.00	0.00	0.00
68	4		220 kV bays = 10 Nos			11.59	13.2	0.00	0.00	0.00	0.00
69	5		Connectivity of 220 kV bus of 400 kV Ropar with existing 220 kV bus of GGSTP Ropar with 4 Nos. twin Moose ckt. (Approx. Length 1 km)			4.95	6	0.00	0.00	0.00	0.00
70	6					30.04		0.00	0.00	0.00	0.00
71	7					27.88		0.00	0.00	0.00	0.00
72	8										
73	9		400 kV Dhanansu(already planned) its additional 400 kV link required				8.66	7.5	0.54	0.14	0.02
74	10					2.37		0.00	0.00	0.00	0.00
75	11	220 kV Kharar	Replacement of 2x20MVA, 132/11 kV with 2x20MVA, 66/11kV T/F			1.19	7.5	0.00	0.00	0.00	0.00
76	12		a) Addl. 1x100 MVA, 220/66 kV T/F.					0.00	0.00	0.00	0.00
	12 (a)		Add 1x100 MVA, 220/132 kV Auto T/F.			12.417		0.00	0.00	0.00	0.00
77	13		b) Replacement of 2x20MVA, 132/11 kV T/F with 2x20 MVA, 66/11kV T/F.					0.00	0.00	0.00	0.00
78	14	220kV G.T. Road Ludhiana (New GIS) or (in Ludhiana area)Including SAS for RS 1cr.	220 kV S/s G.T. Road Ludhiana (New GIS Grid in the premises of existing 66 kV S/s G.T. Road Ludhiana) or (in Ludhiana area) with 2x160MVA, 220/66 kV T/F			36.58	31.54	0.00	0.00	0.00	0.00
79	15		0			12.41		0.00	0.00	0.00	0.00
80	16		220 kV bays = 4 Nos.			12.28	10.56	0.00	0.00	0.00	0.00
81	17		66 kV bays = 4 Nos.			1.81	1.56	0.00	0.00	0.00	0.00
82	18	220 kV Gobindgarh S/s (New Grid in the near by area of existing 220 kV S/s Gobindgarh-I). Including SAS for RS 1cr. (Pharmaceuticals Wazirabad new)	220 kV S/s Gobindgarh (New) with 2x160MVA, 220/66 kV T/F.			36.58	31.54	0.00	0.00	0.00	0.00
83	19		0			6.18		0.00	0.00	0.00	0.00



Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
84	20		0			6.18		0.00	0.00	0.00	0.00
85	21		220 kV bays = 4 No.			3.05	2.64	0.00	0.00	0.00	0.00
86	22		66 kV bays = 6 No.			2.69	2.34	0.00	0.00	0.00	0.00
87	23	220 kV Nawanpind (new grid in the premises of 66 kV S/s Nawanpind)Including SAS for RS 1cr. Amedment No. 17/21-22	2x100 MVA, 220/66 kV T/F including 4 No. 220 kV line bays, 2 T/F bays and 1 Bus coupler bay and associated 66 kV bays) including SAS .			36.969 Revised		0.00	0.00	0.00	0.00
88	24					2.774 Revised		0.00	0.00	0.00	0.00
89	25		to be deleted				5.28	0.00	0.00	0.00	0.00
90	26		to be deleted				0.96	0.00	0.00	0.00	0.00
91	27	Additional link	0			7.73		0.00	0.00	0.00	0.00
92	28		220 kV double bus bar at 220 kV Ghubaya			0.17	0.15	0.00	0.00	0.00	0.00
93	29	Augmentation/additions of transformers at 220/132 kV level.	For augmentation and addition of 220 kV as well as 132 kV transformers, as per the unforeseen/emergent loading requirements, an approximate provision of 5 Cr..s per year (i.e. 3 transformers per year) has been made.			37.53		9.44	1.09	0.04	10.57
94	30	New 220 kV Giaspura including SAS of RS 1 cr.	Under study					0.00	0.00	0.00	0.00
95	31	New 220 kV Jhoke HariHar (New)	U/g of 66 kV Jhoke Harihar to 220 kV with installation of 1X 100 MVA, 220/66 kV T/F (including 2 Nos. line bays, 1 No. T/F bay and 1 No. B/C bay)			19.865	26	0.00	0.00	0.00	0.00
			4-2023			16.794		0.00	0.00	0.00	0.00
96	32	220 kV Gurdaspur including SAS of RS 1 cr	0			4.41	7.27	3.43	0.83	0.51	4.77

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								Works Exp	EC	IDC	Total Exp
97	33		2x100 MVA, 220/66 kV T/F. including 2 no. 220 kV bays			23.48	26.17	0.00	0.00	0.00	0.00
98	34	220 kV Dhaleke (GIS) including SAS of RS 1 cr	To be deleted from Sr No. 34 to 36			13.17		0.00	0.00	0.00	0.00
99	35		2x100 MVA, 220/132 kV T/F. including 4 no. 220 kV bays			33.27	39.47	0.00	0.00	0.00	0.00
100	36		0			2.47	1.11	-0.21	0.00	0.00	-0.21
101	37	132 kVSwadi Kalan	LILO of 132kV SC on DC line from Jamalpur to Moga at 132 kVswadi kalan ,conductor size 0.2sq", LILO length 4.5 km(approx)			2.33		0.00	0.00	0.00	0.00
102	38		2 no. 132 kV bays			1.11		0.35	0.05	0.00	0.40
103	39	i) 220 kV Singhawala	Addl. 1x100 MVA, 220/66 kV T/F.			109.5		0.00	0.00	0.00	0.00
104	40	ii) 220 kV Abohar	Addl. 12.5 MVA, 66/11 kV T/F.					0.06	0.01	0.00	0.07
105	41	iii) 220 kV Passiana	Addl. 12.5 MVA, 66/11 kV T/F.				0.83	0.05	0.01	0.00	0.06
106	42	iv) 220 kV Dhuri	Aug. of 12.5 MVA, 66/11 kV to 20 MVA, 66/11 kV T/F.					0.00	0.00	0.00	0.00
107	43	v) 220 kV Mohali - I	Replacement of 1x100 MVA, 220/66 kV to 1x160 MVA, 220/66 kV T/F.					7.82	0.93	0.06	8.81
108	44	vi) 220 kV Banur	Addl. 20 MVA, 66/11 kV T/F.					0.08	0.01	0.00	0.09

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								Works Exp	EC	IDC	Total Exp
109	45	vii) 220 kV Khassa	Aug. of 12.5 MVA, 66/11 kV to 20 MVA, 66/11 kV T/F.					0.00	0.00	0.00	0.00
110	46	viii) 220 kV Algon	Aug. of 12.5 MVA, 66/11 kV to 20 MVA, 66/11 kV T/F.					0.00	0.00	0.00	0.00
111	47	ix) 220 kV Mahilpur	Addl. 12.5 MVA, 66/11 kV T/F.				1	0.38	0.04	0.06	0.48
112	48	x) 220 kV Kartarpur	Addl. 12.5 MVA, 66/11 kV T/F.					0.68	0.11	0.07	0.86
113	49	xi) 220 kV Badsahpur	Addl. 1x100 MVA, 220/66 kV T/F.					0.00	0.00	0.00	0.00
114	50	xii) 220 kV Butari	Addl. 12.5 MVA, 66/11 kV T/F.					0.42	0.06	0.02	0.50
115	51	xiii) 220 kV Udhoke	Addl. 1x100 MVA, 220/66 kV T/F					0.99	0.12	0.08	1.19
116	52	xiv) 220 kV Pakhowal	Replacement of 1x100 MVA, 220/66 kV to 1x160 MVA, 220/66 kV T/F.					9.64	1.10	0.08	10.82
117	53	xv) 220 kV Jagraon	Aug. of 12.5 MVA, 66/11 kV to 20 MVA, 66/11 kV T/F				1.71	0.00	0.00	0.01	0.01
118	54	xvi) 220 kV Himmatpura	Aug. of 12.5 MVA, 66/11 kV to 20 MVA, 66/11 kV T/F.					0.00	0.00	0.00	0.00

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								Works Exp	EC	IDC	Total Exp
119	55	xvii) 220 kV Kohara	Addl. 12.5 MVA, 66/11 kV T/F.					0.00	0.00	0.00	0.00
120	56	xviii) 220 kV Doraha	Addl. 12.5 MVA, 66/11 kV T/F.					0.65	0.08	0.01	0.74
121	57	xix) 220 kV Baghapurana	Addl. 12.5 MVA, 66/11 kV T/F.				2.26	0.05	0.01	0.00	0.06
122	58	xx) 132kV SmadhBhai	Addl. 12.5 MVA, 132/11 kV T/F.					0.59	0.09	0.04	0.72
123	59	xxi) 132kV Faridkot	Aug. of 12.5 MVA, 132/11 kV to 20 MVA, 132/11 kV T/F.					0.00	0.00	0.00	0.00
124	60	xxii) 132kV Ferozshah	Aug. of 12.5 MVA, 132/11 kV to 20 MVA, 132/11 kV T/F.					0.00	0.00	0.00	0.00
125	61	xxiii) 132kV Manasingh Wala	Aug. of 12.5 MVA, 132/11 kV to 20 MVA, 132/11 kV T/F.					0.00	0.00	0.00	0.00
126	62	xxiv) 132kV Jallalabad	Aug. of 12.5 MVA, 66/11 kV to 20 MVA, 66/11 kV T/F.					0.00	0.00	0.00	0.00
127	63	xxvi) 132kV Kathunangal	Aug. of 12.5 MVA, 132/11 kV to 20 MVA, 132/11 kV T/F.					0.00	0.00	0.00	0.00
128	64	xxvii) 132kV Bhikhiwind	Aug. of 12.5 MVA, 132/11 kV to 20 MVA, 132/11 kV T/F.					2.38	0.27	0.02	2.67
129	65	xxviii) 132kV Shri Hargobindpur	Addl. 20 MVA, 132/11 kV T/F.					0.00	0.00	0.00	0.00
130	66	xxx) 132kV Phillour	Aug. of 12.5 MVA, 132/11 kV to 20 MVA, 132/11 kV T/F					2.48	0.29	0.00	2.77
131	67	xxxi) 132kV Bilaspur	Aug. of 12.5 MVA, 132/11 kV to 20 MVA, 132/11 kV T/F.					0.00	0.00	0.00	0.00
132	68	xxxii) 132kV Tangra	Addl. 12.5 MVA, 132/11 kV T/F					0.21	0.03	0.02	0.27

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								Works Exp	EC	IDC	Total Exp
133	69	Augmentation of bus bars, extension in control room building, providing room for second source for station battery etc.	For strengthening of bus – bar arrangement, extension in control room building for the existing 220/132 kV grids of PSTCL, as per the requirement of P&M from time to time, a provision of about 20 Cr..s (i.e. 7,7,6 Cr..s per year) has been made.			23.15	20	1.96	0.45	0.14	2.54
134	70	Additional 220/132/66 kV line bays related with feasibility cases or as per PSPCL requirement.	As per the requirement of PSPCL, for the load released through feasibility cases, a provision of about 25 Cr..s per year has been made for erection of 66/132/220 kV bays at various grids of PSTCL. (i.e. 8,8,9 Cr..s per year)			28.85	25	2.47	0.30	0.10	2.86
135	71	Second source of battery at various 220/132 kV S/s of PSTCL	Balance work for 49 Nos grids (out of these 31 Nos are 220 kV & remaining 18 Nos are 132 kV S/s) Total cost = 15 Cr..s (with 70% PSDF funding & remaining to be arranged through capital investment)			5.21	4.5	0.00	0.00	0.00	0.00
136	72	90 nos PSTCL grids (220 kV) to be provided with SAS. Report already sent for PSDF funding if approved, these stations will be upgraded.	Cost of one station for SAS provision is Rs 4 Cr..s out of this 70% is PSDF funding & balance 30% shall be through capital investment.			102.59	108	0.00	0.00	0.00	0.00
137	73	Digitization of existing 220 kV S/s Passiana.	Case already approved. PSDF funding have been applied. Total cost = 11 Cr..s, out of which 90% PSDF funding & remaining 10% through capital investment.			1.27		0.00	0.00	0.00	0.00

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								Works Exp	EC	IDC	Total Exp
138	74	Replacement of existing conductor of 220 kV Gobindgarh - 400kV Rajpura (DC) with HTLS of suitable capacity.	L.S. Provision in @ Rs. 40 Cr.. per year			116.77 (50.6 to be subtracted as per remarks)		0.00	0.00	0.00	0.00
139	75	Additional of 14 No T/f on account of making (N-1) complaint system for those grids where only one T/f existing (Annexure-C).	.A provision of Rs. 25 Cr.. for 2020-21, Rs 25 Cr.. for 2021-22 & Rs 20 Cr.. For 2022-23 have been made. Augmentation shall be made for grid stations as per the space availability & loading conditions			80.98		0.84	0.20	0.05	1.09
140	76	132 kV S/s Kotkapura-I	Addl. 1x20 MVA, 132/11kV T/F			3.69	3.31	0.01	0.00	0.00	0.01
141	77	132 kV works Bilaspur	Replacement of 1x12.5 MVA, 132/11 kV with 1x20 MVA, 132/11 kV T/F			2.74	2.46	0.00	0.00	0.00	0.00
142	78	132 kV Nawanshahar.	Addl. 1x20 MVA, 132/11 kV T/F			3.69	3.31	0.00	0.00	0.00	0.00
143	79	132 kV Kapurthala.	Addl. 1x20 MVA, 132/11 kV			3.69	3.31	2.77	0.32	0.05	3.14
144	80	132 kV Susan.	Replacement of 1x12.5 MVA, 132/11 kV with 1x20 MVA, 132/11 kV T/F			2.74	2.46	0.00	0.00	0.00	0.00
145	81	132 kV Panjraian.	Replacement of 1x12.5 MVA, 132/11 kV with 1x20 MVA, 132/11 kV T/F			2.74	2.46	1.99	0.22	0.00	2.21

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								Works Exp	EC	IDC	Total Exp
147	83	IGC Bathinda (Aug)	Replacement of 2x12.5 MVA, 132/11 kV with 2x20 MVA, 132/11 kV			5.48	4.92	1.91	0.22	0.00	2.13
148	84	132 kV Gholian Kalan.	Addl. 1x20 MVA, 132/11 kV T/F			3.69	3.31	0.14	0.02	0.00	0.16
149	85	LILO of 132 kV Verka – Mal mandi SC line at 220 kV S/s Nawanpind (132 kV bus) LILO length = 1 KM appx. DC on DC.	Work deleted					0.00	0.00	0.00	0.00
150	86	Augmentation of 132 kV Nawanpind - Verka, 5 KM (0.2sq") and 132 kV Nawanpind - Malmandi (5KM 0.2sq") with suitable HTLS conductor.						0.00	0.00	0.00	0.00
151	87	Augmentation of 132 kV GGSSTP - Asron) 6 KM 0.2sq") and 132 kV GGSSTP - Ropar (19.76 KM) 0.2sq".	0			18.8		0.00	0.00	0.00	0.00

Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
152	88	CE/ P&M Agenda No. 145/2017-18 dtd 20.09.17. Best Practices recommended by Protection Sub Committee of NRPC in operation & construction of Sub Stations	Installation of 999 Nos. CVTs at various 220 kV lines for Distance Relay protection			17.38		0.10	0.00	0.00	0.10
153	89	132 kV GT Road Amritsar & 132 kV Sakatari Bagh Asr	0	08-2021	09-2022	18.68	16.56	11.92	2.89	1.79	16.60
154	90		132 kV Bays= 2 Nos.	12-2021	2022-23	1.15	1	0.50	0.07	0.01	0.58
155	91	OPGW link between SKPP- RSD- 220 kV Sarna & SKPP- 220 kV Sarna				8.02		0.00	0.00	0.00	0.00
156	92	Unforeseen emergency works				17.38	15	13.89	1.55	0.38	15.82
		<b>Total (D)</b>				<b>927.46</b>		<b>78.51</b>	<b>11.51</b>	<b>3.58</b>	<b>93.60</b>
		<b>Total Spill Over (A+B+C+D)=E</b>						<b>202.87</b>	<b>30.89</b>	<b>10.57</b>	<b>244.33</b>
<b>Works approved by Petition outside 2nd MYT 2020-23</b>											0.00
1	Amendment No. 21/2020-21	400 kv S/S Nakodar					18.72	0.00	0.00	0.00	0.00
							0.58	0.00	0.00	0.00	0.00
							6.66	0.00	0.00	0.00	0.00
							18.72	0.00	0.00	0.00	0.00
							0.58	0.00	0.00	0.00	0.00
3	Amendments No.08/2021-22	220K S/S Baghapurana	1 No. bus coupler between 220 bus bar-1 & bus-bar-2				17.758	0.00	0.00	0.00	0.00
		220KV S/S Jhunir	1 No. bus coupler between 220 bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Talwandi Sabo	1 No. bus coupler between 220 bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00



Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
		220KV S/S Sandhwan	1 No. bus coupler between 220 bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Katorewala	1 No. bus coupler between 220 bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Kotkaror	1 No. bus coupler between 220 bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Bottian Wala	1 No. bus coupler between 220 bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Himmatpura	1 No. bus coupler between 220 bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Abohar	1 No. bus coupler between 220 bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Dharamkot	1 No. bus coupler between 220 bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Rehana Jattan	1 No. bus coupler between 220 bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Katorewala	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Bottian Wala	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Talwandi Sabo	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Mansa	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Himmatpura	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Jagraon	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Mastewala	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.10	0.01	0.00	0.11
		220KV S/S Lalton Kalan	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.19	0.02	0.00	0.21

Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
		220KV S/S Dharamkot	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.37	0.04	0.00	0.41
		220KV S/S Mandi Gobindgarh G-1	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Chajji	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Dhuri	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Mehal Kalan	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.00	0.00	0.00	0.00
		220KV S/S Badshahpur	1 No. bus coupler between 66 kV bus bar-1 & bus-bar-2					0.01	0.00	0.00	0.02
		132KV S/S Moga -2 (Dhalleke)	1 No. bus coupler between 16/20 MVA 132/11 kV T-1 & 20 MVA 132/11 kV T-2					0.00	0.00	0.00	0.00
		132KV S/S Samadh Bhai	1 No. bus coupler between 20 MVA 132/11 kV T-1 & 16/20 MVA 132/11 kV					0.00	0.00	0.00	0.00
		220 kV S/S Katorewala	1 No. bus coupler between 20 MVA 66/11 kV T-2 & 10/12.5 MVA 66/11 kV T-4					0.00	0.00	0.00	0.00
		220 kV S/S Passiana	1 No. 11 kV bus coupler					0.00	0.00	0.00	0.00
		220 kV S/S Majitha	1 No. 11 kV bus coupler					0.00	0.00	0.00	0.00
6	Amendments No.18/2 021-22	Upgradation of 66 kV substation Old Patiala to 220 kV substation.					61.91	0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
7	Amendments No.19/2 021-22	400 KV S/stn. Dhanansu.					73.3	0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
<b>Works approved by BODs outside 2nd MYT 2020-23</b>											

Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
2	Amendment No. 15/2021-22	Evacuation system of Shahpur Kandi Hydel Project					0.68	0.00	0.00	0.00	0.00
							27.87	0.00	0.00	0.00	0.00
	Amendment No. 22/2021-22	39 No. substation and one SLDC building					6.3	0.00	0.00	0.00	0.00
8	Amendments No.23/2 021-22	220kV S/S Jhordan (New) including Substation Automation System SAS of 1 cr.					48.81	0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
9	Amendments No.24/2 021-22.	400 kV S/S Behman Jassa Singh.					256.55	0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
10	Amendments No.25/2 021-22	220 kV S/S Kharar.					11.87	0.00	0.00	0.00	0.00
11	Amendments No.26/2 021-22	220 kV Line Verpal-Patti					3.35	0.00	0.00	0.00	0.00
12	Amendments No.27/2 021-22	220 kV S/S Mohali-2.					3.13	0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00

Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
13	Amendments No.28/2 021-22	220 kV S/S Wadala Granthian.					11.32	0.00	0.00	0.00	0.00
14	Amendments No.29/2 021-22	Installation of capacitor banks at Various S/Stns.					12.36	0.00	0.00	0.00	0.00
		220K S/S Doraha				0.00		0.00	0.00	0.00	
		220KV S/S Sandhwan				0.00		0.00	0.00	0.00	
		220KV S/S Dharamkot				0.00		0.00	0.00	0.00	
		220KV S/S Banur				0.00		0.00	0.00	0.00	
		220KV S/S Dasuya				0.00		0.00	0.00	0.00	
		220KV S/S Tibber				0.00		0.00	0.00	0.00	
		220KV S/S Chogwan				0.00		0.00	0.01	0.01	
		220KV S/S Chola Sahib				0.00		0.00	0.02	0.02	
		220KV S/S Banga				0.00		0.00	0.00	0.00	
		220KV S/S Butari				0.38		0.05	0.01	0.45	
		220KV S/S Hoshiarpur				0.00		0.00	0.00	0.00	
		220 kV S/S Kotla Janga				0.00		0.00	0.00	0.00	
15	Amendment No. 01/2022-23	220 kV Mubarikpur (U/G from 66 kV substation Mubarikpur)					36.448	0.00	0.00	0.00	0.00
							4.459	0.00	0.00	0.00	0.00
							1.21	0.00	0.00	0.00	0.00
16		220K S/S Banur Amendment No. 02/2022-23				11.524	0.00	0.00	0.00	0.00	
17		220 KV S/S Sahnewal Amend 03/22-23					35.596	0.00	0.00	0.00	0.00
		220KVS/S Bajakhana Amend 03/22-23				0.00		0.00	0.00	0.00	
		220KVS/S Ghulal Amend 03/22-23				0.00		0.00	0.00	0.00	

Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
18		400 KV PGCIL, Amritsar Amend 04/22-23					0.476	0.00	0.00	0.00	0.00
19		220K S/S MGG-1 Amend 06/22-23					23.049	0.00	0.00	0.00	0.00
20		220K S/S Chitti (U/G from 66 KV) Amend 07/22-23					27.175	0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
21		132kv Power Colony Amritsar Amendment 08/22-23					59.86	0.00	0.00	0.00	0.00
		132 KV Nakodar						0.00	0.00	0.00	0.00
		220 KV S/S Banga						0.00	0.00	0.00	0.00
		220 KV Goraya						0.00	0.00	0.00	0.00

Sr.No.	Sr No. as per CIP Order	Particulars	Scope of Work	Project Start Date	Actual/ Anticipated Year of completion	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	CAPEX during 2021-22			
								Works Exp	EC	IDC	Total Exp
		220 KV Singhawala (Moga)						0.00	0.00	0.00	0.00
		132 Moga- 2 (Dhalleke)						0.00	0.00	0.00	0.00
		132 KV Moga-I						0.00	0.00	0.00	0.00
		220 KV Gounsgarh						0.00	0.00	0.00	0.00
		220 KV Bassi Pathana						0.00	0.00	0.00	0.00
		220 KV Humbran						0.00	0.00	0.00	0.00
		220 KV Sahnewal						0.00	0.00	0.00	0.00
		220 KV Ajitwal						0.00	0.00	0.00	0.00
		220 KV Ghubaya						0.00	0.00	0.00	0.00
		220 KV Amloh						0.00	0.00	0.00	0.00
		220 KV Saidpura (Dera Bassi)						0.00	0.00	0.00	0.00
		220 KV Kharar						0.00	0.00	0.00	0.00
		220 KV Chogawan						0.00	0.00	0.00	0.00
		220 kV Kohara						0.00	0.00	0.00	0.00
		220 KV Civil Lines Amritsar						0.00	0.00	0.00	0.00
		220 kV Amloh Amendment 11/22-23					12.09	0.00	0.00	0.00	0.00
		Amendment 16/22-23					24.883	0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
								0.00	0.00	0.00	0.00
		<b>Total</b>						<b>1.06</b>	<b>0.12</b>	<b>0.05</b>	<b>1.23</b>
								<b>203.93</b>	<b>31.01</b>	<b>10.61</b>	<b>245.56</b>

**Detail of Capital Expenditure for FY 2021-22**

Sr No.	Name of work	Date of Commencement of work	Opening Balance as on 01.04.2021	CAPEX FY 2021-22	Capitalization FY 2021-22	Closing Balance as on 31.03.2022
1	2	3	4	5	6	7
1	Estimate for installation and commissioning of 45 nos remote terminal unit(RTU) and its allied equipment by M/s ZIV automation India Ltd (earlier M/s	Jul-19	1161489	1440397	0	2601886
2	Estimate for installing Equipmint at 132 kv jandiala guru for new data of jandiala guru	Jul-19	234682	933	235615	0
3	Shifting of PLC equipment in new carrier room at 220 KV Verpal	Apr-20	257623	264894	522517	0
4	To install new battery and battery charger at Dasuya sub station for POGW Fiber home panel against DUAL REDUDANT Supply system	Jun-21	0	183033	183033	0
5	Estimate for To install new battery and battery charger at Tibber sub station for OPGW Fiber home panel against DUAL REDUDANT Supply system	Jun-21	0	177341	177341	0
6	Estimate Providing for protection cable at 220 kv butari direction 220 kv jalandhar protection coupler for new panells [104731]	Apr-20	0	39368	0	39368
7	To Provider Protection service at 220KV Dasuya -dir- BBMB Jalandhar on Ckt-4 with Phase to Phase coupling.	Mar-20	0	849121	0	849121
8	Estimate for providing new coupling capacitor in place of amaged one at UBDC-3 direction UBDC-2	Mar-21	0	94726	94726	0
9	Estimate to Replace old survey offed AC with New one at ss Kangra, Pathankot and UBDC-1	Jul-21	0	90418	90418	0
10	Estimate for To install new AC at S/S Tibber	Sep-21	0	31256	31256	0
11	Estimate for installing new airconditioners at 220 KV Majitha and Udhoke [105118]	Aug-21	0	62356	62356	0
12	Estimate for installing new airconditioners at Fatehgarhchurian,Butari,Kotli Surat Malhi,Shirihargobindpur and Dhariwal in place of old damaged ACs [	Aug-21	0	150304	150304	0
13	Estimate to install new AC at Rashiana and Replace Surveyed off AC at Patti and Verka	Sep-21	0	91847	91847	0
14	To return old surveyed offed AC of MPH-2 and MPH-4	Sep-21	0	59250	0	59250
15	Estimate to install new AC against old surveyed offed at SS Hoshiarpur, SS Mahilpur and SS Bhogpur (21313)	Sep-21	0	91967	0	91967
16	Estimate to install new AC at SS Tanda and SS Rehana jattan (21315)	Oct-21	0	62763	0	62763
17	Estimate for To install new RTU at various Sub station under CO&C Division Amritsar	Oct-21	0	0	0	0
18	Estimate for 220 KV Verpal-Balachak Ckt 1, Provision of 1 No. WT & 2No. LMU	Oct-21	0	293035	293035	0

Sr No.	Name of work	Date of Commencement of work	Opening Balance as on 01.04.2021	CAPEX FY 2021-22	Capitalization FY 2021-22	Closing Balance as on 31.03.2022
1	2	3	4	5	6	7
19	Estimate for shifting PLC equipment at new carrier room building at 132 KV Pathankot	Dec-21	0	247379	247379	0
20	Estimate for providing data at Beas through Kartarpur route	Dec-21	0	555161	555161	0
21	Estimate of Protection 220KV Verpal to 220 KV Butari	Dec-21	0	536405	536405	0
22	Estimate for providing protection at 220 KV Butari Direction Verpal due to change of bay at Verpal ..	Dec-21	0	435542	435542	0
23	Estimate for Battery Charger 48 V 80 Amp at 132 KV S/S Verka	Jan-22	0	87565	87565	0
24	Installation / Replacement of 7nos 0.2s class Interface Energy Meters (ABT Type) against Tender enquiry no SLDC/146/2020	Mar-22	0	0	0	0
25	220 KV BBMB JAL DIR 220 KV DASUYA	18-01-2019	859001	0	0	859001
26	132 KV KHERA MANDIR DIR 220 KV SULTANPUR	11-10-2019	250228	0	0	250228
27	132 KV KAPURTHLA DIR 220 KV SULTANPUR	07-10-2019	337480	0	0	337480
28	220 KV HIMATPURA DIR 220 KV JAGRAON	02-05-2015	669981	0	669981	0
29	132 KV BADHNI KALAN DIR 220 KV MOGA	04-09-2018	10011	0	0	10011
30	220 KV DHARMKOT DIR 400 KV MAKHU	13-03-2015	2725926	0	2725926	0
31	220 KV JAGRAON DIR 220 KV HIMATPURA	02-05-2016	442483	0	442483	0
32	220 KV SNL DIR 220 KV DORAHA	19-03-2012	1375287	-142581	1232706	0
33	220 KV PAKHOWAL DIR 220 KV MEHAL KALAN CKT-II	19-07-2017	336928	0	336928	0
34	220 KV FZR ROAD SHIFTING OF PLC EQUIPMENTS FORM OLD CARRIER ROOM TO NEW CARRIER ROOM	28-11-2018	55411	0	0	55411
35	220 KV KARTARPUR DIR 220 KV KOTLA JANGA & 220 KV KARTARPUR DIR 400 KV PGCIL KARTARPUR	20-11-2019	1020174	0	1020174	0
36	220 KV KANJALI DIR 400 KV PGCIL KARTARPUR	23-01-2020	717114	0	717114	0
37	PROVIDING 8 No's AC WITH STABILIZER AT 220 KV BBMB JAL, 220 KV JAMSHER, 220 KV SULTANPUR	06-02-2020	258067	0	258067	0



Sr No.	Name of work	Date of Commencement of work	Opening Balance as on 01.04.2021	CAPEX FY 2021-22	Capitalization FY 2021-22	Closing Balance as on 31.03.2022
1	2	3	4	5	6	7
38	220 KV BANGA DIR 220 KV JAMSHER	04-12-2020	693840	0	693840	0
39	220 KV BOTIANWALA DIR 220 KV MASTEWALA CKT-1	14-12-2020	816629	0	816629	0
40	220 KV ABOHAR DIR 220 KV KATOREWALA DATA FACILITY	24-02-2021	497845	2122	499967	0
41	400 KV NAKODAR DIR 220 KV MOGA	24-03-2018	226123	0	0	226123
42	220 KV GORAYA DIR 220 KV RTP	06-06-2016	370324	0	370324	0
43	132 KV PHILLAUR DIR 220 KV JAMALPUR	27-08-2019	53573	54873	108446	0
44	220 KV BOTIANWALA DIR 220 KV MASTEWALA CKT-2	05-01-2021	768334	0	768334	0
45	220 KV GAUNSGARH DIR 220 KV LADHOWAL CKT-1&2	14-01-2021	972469	78735	0	1051204
46	220 KV LADHOWAL DIR 220 KV GAUNSGARH CKT-1&2	29-01-2021	1004667	60172	0	1064839
47	220 KV JAMSHER DIR 220 KV BANGA	19-03-2021	383133	0	383133	0
48	220 KV BANGA DIR 220 KV JADLA	22-03-2021	115400	0	115400	0
49	220 KV SANDHAUR DIR 220 KV PAKHOWAL	27-03-2021	69353	0	69353	0
50	400 KV PGCIL MOGA DIR 400 KV BEHMAN JASSA SINGH	01-04-2021	0	248922	0	248922
51	220 KV SAHNEWAL DIR 400 KV POWER GRID LALTON KALAN	09-04-2021	0	49758	49758	0
52	220 KV NOORMAHAL PROVIDING BATTERY & BATTERY CHARGER	03-08-2021	0	157862	157862	0
53	220 KV AJITWAL PROVIDING BATTERY 48V 200 AH	19-07-2021	0	94084	94084	0
54	220 KV KOHARA PROVIDING BATTERY & BATTERY CHARGER	22-07-2021	0	155885	155885	0
55	220 KV BAGHAPURANA PROVIDING BATTERY 48V 200 AH	19-07-2021	0	94084	94084	0
56	220 KV GAUNSGARH PROVIDING BATTERY & BATTERY CHARGER	22-07-2021	0	155884	155884	0
57	220 KV DHANDARI KALAN PROVIDING BATTERY 48V 200 AH	22-07-2021	0	94084	94084	0
58	220 KV SCIENCE CITY, NAWASHAHAR PROVIDING 2No's AC's	12-08-2021	0	61484	61484	0

Sr No.	Name of work	Date of Commencement of work	Opening Balance as on 01.04.2021	CAPEX FY 2021-22	Capitalization FY 2021-22	Closing Balance as on 31.03.2022
1	2	3	4	5	6	7
59	220 KV KARTARPUR KOTLA JANGA , KANJALI PROVIDING 3No's AC's	12-08-2021	0	92226	92226	0
60	220 KV MICROWAVE ROOM & 220 KV MALERKOTLA PROVIDING 2No's AC's	10-08-2021	0	61930	61930	0
61	132 KV FEROSHSHAH PROVIDING AC	03-08-2021	0	31714	31714	0
62	220 KV HIMMATPURA PROVIDING AC	03-08-2021	0	31825	31825	0
63	220 KV MASTEWALA PROVIDING AC	03-08-2021	0	31714	31714	0
64	220 KV BAGHAPURANA PROVIDING AC	03-08-2021	0	32272	32272	0
65	220 KV GORAYA , NOORMAHAL PROVIDING 2No's AC's	03-08-2021	0	61930	61930	0
66	220 KV PAKHOWAL, SANDAUR, DHURI PROVIDING 3No's AC's	03-08-2021	0	92897	92897	0
67	220 KV BADAL PROVIDING AC	03-08-2021	0	31859	31859	0
68	220 KV ABOHAR PROVIDING AC	03-08-2021	0	31859	31859	0
69	132 KV SARAINAGA PROVIDING AC	03-08-2021	0	31859	31859	0
70	220 KV SANDHWAN PROVIDING AC	03-08-2021	0	31859	31859	0
71	132 KV MALOUT PROVIDING AC	03-08-2021	0	31859	31859	0
72	220 KV ALDC LALTON KALAN , JAMALPUR, FRZ RD LUDHIANA PROVIDING 3No's AC's	02-08-2021	0	92226	0	92226
73	220 KV GHUBAYA PROVIDING AC	30-07-2021	0	31859	31859	0
74	220 KV KATOREWALA PROVIDING AC	30-07-2021	0	31859	31859	0
75	220 KV SADIQ PROVIDING AC	30-07-2021	0	31859	31859	0
76	220 KV MUKTSAR SAHIB PROVIDING AC	30-07-2021	0	31859	31859	0
77	132 KV MUKTSAR PROVIDING AC	30-07-2021	0	31859	31859	0
78	220 KV AJITWAL PROVIDING AC	30-07-2021	0	31825	31825	0
79	220 KV KOTKAROR PROVIDING 2No's AC's	30-07-2021	0	64321	64321	0

Sr No.	Name of work	Date of Commencement of work	Opening Balance as on 01.04.2021	CAPEX FY 2021-22	Capitalization FY 2021-22	Closing Balance as on 31.03.2022
1	2	3	4	5	6	7
80	220 KV DHARMKOT PROVIDING AC	30-07-2021	0	31825	31825	0
81	220 KV DHANDARI KALAN, DORAHA, GAUNSGARH PROVIDING 3No's AC'S	30-07-2021	0	92897	92897	0
82	220 KV MOGA PROVIDING BATTERY 48V 200 AH	26-07-2021	0	94084	94084	0
83	220 KV HUMBRAN , KOHARA PROVIDING 2No's AC's	30-07-2021	0	61931	61931	0
84	220 KV ALDC Jamsher, Enhancement capacity of telemetry data E&M cards & BF cards	01-10-2021	0	286367	0	286367
85	220 KV Kartarpur, Battery 48V/200AH	17-11-2021	0	94084	94084	0
86	132 KV Mana Singh Wala, PLC Room AC with Stabilizer	01-09-2021	0	32272	32272	0
87	220 KV BajaKhana, PLC Room AC with Stabilizer	01-09-2021	0	31825	31825	0
88	220 KV Ferozpur, PLC Room AC with Stabilizer	01-09-2021	0	31825	31825	0
89	220 KV Jagraon, PLC Room AC with Stabilizer	01-09-2021	0	31825	31825	0
90	132 KV Moga, PLC Room AC with Stabilizer	01-09-2021	0	31825	31825	0
91	220 KV Kartarpur, New Battery 48V/200AH	29-10-2021	0	94084	94084	0
92	220 KV Kotla Janga, Battery Charger 48V/20Amp.	29-10-2021	0	56994	56994	0
93	220KV Malerkotla, Battery charger 48V/40Amp.	07-10-2021	0	61800	61800	0
94	220 KV Malerkotla, Microwave Room second source Battery 48V/100Ah, Battery charger 48V/20Amp.	12-11-2021	0	111866	111866	0
95	220 KV Dhandari Kalan 48V/200Ah, Battery charger 48V/40Amp.	06-09-2021	0	158273	158273	0
96	220 KV S/s Moga E&M cards	01-09-2021	0	190912	190912	0
97	220 KV Muksar dir 220 KV Sadiq & vise versa	07-09-2021	0	41173	41173	0
98	220 KV Katorewala dir 400 KV Muksar	07-09-2021	0	49758	49758	0
99	220 KV Badal dir 220 KV Katorewala & vise versa	07-09-2021	0	49759	49759	0
100	220 KV CHHAJLI DIR 220 KV BANGAN	10-03-2014	17,42,704	84,709	18,27,413	0

Sr No.	Name of work	Date of Commencement of work	Opening Balance as on 01.04.2021	CAPEX FY 2021-22	Capitalization FY 2021-22	Closing Balance as on 31.03.2022
1	2	3	4	5	6	7
101	220 KV SUNAM DIR 220 KV BANGAN (PATRAN)	20-11-2014	13,52,029	11,220	13,63,249	0
102	220KV Mansa direction 220KV Dhanaula	25-09-2018	6,52,832	0	6,52,832	0
103	220 KV LEHRA MOHABBAT DIR 220 KV DHANAULA DATA	10-12-2014	8,21,815	-1,03,400	7,18,415	0
104	220 KV LEHRA MOHABBAT DIR 400 KV TALWANDI SABO	15-04-2015	14,63,090	14,877	14,77,967	0
105	220 KV GBD-III DIR 220 KV GBD-I	26-12-2014	6,35,714	3,87,806	10,23,520	0
106	220 KV RTP DIR 220 KV GOBINDGARH-1 Ckt-III	01-02-2016	38,465	4,05,799	4,44,264	0
107	G-1 Dir. RTP 16 Core 2.5 mm cable	18-10-2021	0	4,03,419	4,03,419	0
108	220 KV GOBINDGARH-1 DIR 220 KV GOBINDGARH-3	11-03-2021	8,07,289	-3,41,750	4,65,539	0
109	Installation of AC with Stabilizer for 220 KV S/S Majra	27-02-2020	31,568	0	31,568	0
110	220 KV ABLOWAL NEW BATTERY CHARGER 48V/40AMP	24-02-2020	1,81,430	554	1,81,984	0
111	220 KV MOHALI-1 DIR 220 KV MAJRA	12-12-2019	1,08,896	0	1,08,896	0
112	To install Battery Charger at 220 kv Kharar	06-03-2021	61,800	-6,200	55,600	0
113	REPLACEMENT OF OLD LTU AT 220KV MAUR DIE TALWANDI	18-06-2020	40,899	0	40,899	0
114	Provisioning of New Battery Charger(48v/40A) at 220KV S/s Barnala	29-10-2020	74,693	0	74,693	0
115	Drawal/Installation of 48V/40A Battery Charger at 220KV Rajla	17-03-2021	61,800	409	62,209	0
116	Drawal/Installation of 48V/40A Battery Charger at 220KV Patran	17-03-2021	61,800	1,279	63,079	0
117	Drawal/Installation of 48V/40A Battery Charger & Battery 48v/200AH at 220KV Kakrala	17-03-2021	1,55,884	1,291	1,57,175	0
118	Drawal/Installation of 48V/40A Battery Charger & Battery 48v/200AH at 220KV Passiana	17-03-2021	1,55,884	1,426	1,57,310	0
119	Installation of Battery set and battery charger at 220 kv S/S Amlah	17-03-2021	1,55,884	-448	1,55,436	0
120	220 Kv Ghulal Dir. 220 Kv RTP Installation of new Coupling Device in place of faulty Coupling Device	05-09-2021	0	49,759	49,759	0

Sr No.	Name of work	Date of Commencement of work	Opening Balance as on 01.04.2021	CAPEX FY 2021-22	Capitalization FY 2021-22	Closing Balance as on 31.03.2022
1	2	3	4	5	6	7
121	Installation of Battery set and battery charger at 220kv S/S Gobindgarh-2	05-10-2021	0	1,23,629	1,23,629	0
122	Installation of Battery set at 220kv S/S Gobindgarh-1	05-11-2021	0	94,084	94,084	0
123	220 KV RTP 48V 200AH Verla Battery	27-05-2021	0	94,084	94,084	0
124	installation of battery set and battery charger at 220 kv mohali 1	18-05-2021	0	1,83,160	1,83,160	0
125	installation of battery set at 132 kv ASHP 1	21-05-2021	0	94,084	94,084	0
126	installation of battery set at 132 kv Chamkur Sahib	21-05-2021	0	54,873	54,873	0
127	installation of battery set at 220 kv Kharar	13-07-2021	0	94,084	94,084	0
128	Installation of 48V 40 Amp Battery Charger at 132 Kv ASHP-1	19-09-2021	0	61,800	61,800	0
129	battery charger at rtp	19-09-2021	0	87,819	87,819	0
130	Drawal/Installation of 48V/40A Battery Charger & Battery 48v/200AH at 220KV Rajpura	15-07-2021	0	1,57,176	1,57,176	0
131	Drawal/Installation of 48V/40A Battery Charger & Battery 48v/200AH at 220KV Bahadurgarh	15-07-2021	0	1,57,175	1,57,175	0
132	Drawal/Installation of Battery 48v/200AH at Telephone Exchange Shakti Sadan,Patiala	15-07-2021	0	95,006	95,006	0
133	Installation of 03 No. AC at 220KV Mehal Kalan,Dhanaula and Jhunir	18-08-2021	0	94,795	94,795	0
134	Installation of 02 No. AC at 132 Balluana and Gidderbaha	18-08-2021	0	64,611	64,611	0
135	Required of Make ECI SDH/PDH Spare Modules	25-08-2021	0	2,86,368	2,86,368	0
136	Provisioning of New Battery Charger(48v/40A) at 220KV S/s Bathinda	26-08-2021	0	61,800	61,800	0
137	Provisioning of New Battery and Battery Charger(48v/40A) for OPGW equipments installed at 220KV Lehra Mohabbat	26-08-2021	0	1,55,885	1,55,885	0
138	Draw & Installation of AC at 220 KV Bhawanigarh	10-09-2021	0	33,665	33,665	0
139	Draw & Installation of AC at 220 KV Chajli	10-09-2021	0	33,717	33,717	0
140	Draw & Installation of AC at 220 KV Passiana	10-09-2021	0	33,717	33,717	0

Sr No.	Name of work	Date of Commencement of work	Opening Balance as on 01.04.2021	CAPEX FY 2021-22	Capitalization FY 2021-22	Closing Balance as on 31.03.2022
1	2	3	4	5	6	7
141	Draw & Installation of AC at 220 KV Nabha	10-09-2021	0	33,717	33,717	0
142	Draw & Installation of AC at 220 KV Rajla	10-09-2021	0	67,369	67,369	0
143	Draw & Installation of AC at Shakti Sadan Exchange, Patiala	10-09-2021	0	33,717	33,717	0
144	Draw & Installation of AC at 220 KV Bhari	07-11-2021	0	31,300	31,300	0
145	Draw & Installation of AC at 220 KV Ikolaha	07-11-2021	0	31,300	31,300	0
146	Draw & Installation of AC at 220 KV G-3	07-11-2021	0	31,300	31,300	0
147	NEW AC GHULAL	07-11-2021	0	30,742	30,742	0
148	AC ROPAR	07-11-2021	0	30,742	30,742	0
149	AC ASRON	07-11-2021	0	30,742	30,742	0
150	AC CHAMKAUR SHAIB	07-11-2021	0	30,742	30,742	0
151	Draw & Installation of AC at 132 kv Bilaspur	07-11-2021	0	31,300	31,300	0
152	Draw & Installation of AC at 132 kv shamaspur	07-11-2021	0	31,300	31,300	0
153	Draw & Installation of AC at 132 kv Bassi Pathana	07-11-2021	0	31,300	31,300	0
154	Air conditioner	07-11-2021	0	30,999	30,999	0
155	Air conditioner	07-11-2021	0	30,999	30,999	0
156	AIR CONDITIONER	07-11-2021	0	30,999	30,999	0
157	AC -ASHP-2	07-11-2021	0	30,999	30,999	0
158	AC-GANGUWAL	07-11-2021	0	30,999	30,999	0
159	Draw battery 200 AH 48 V for Mohali 2	06-01-2022	0	94,084	94,084	0
160	Drawal/Installation of AC at 220 kv Bangan	06-01-2022	0	33,717	33,717	0
161	220 KV S/S Ghulal Direction Sahnewal	28-02-2014	4,70,643	9,00,021	0	13,70,664

Sr No.	Name of work	Date of Commencement of work	Opening Balance as on 01.04.2021	CAPEX FY 2021-22	Capitalization FY 2021-22	Closing Balance as on 31.03.2022
1	2	3	4	5	6	7
162	Draw & Installation of New Data Route of 220KV Chajli	10-09-2021	0	12,07,989	0	12,07,989
163	Energy Meter ABT	06-01-2022	0	0	0	0
164	132 kV NAKKIAN DIR ASHP-2 AND 132KV ROPAR	06-01-2022	15,55,760	-2,90,610	0	12,65,150
165	132 KV Gidderbaha Battery Charger and Battery Set	28-11-2019	82,077	94,084	1,76,161	0
166	Data & Protection for TSPL Banwal (TSPL Moga) at BJS	05-02-2021	6,63,312	5,61,507	12,24,819	0
	<b>Total</b>		<b>2,80,59,843</b>	<b>1,57,62,918</b>	<b>3,17,92,791</b>	<b>1,20,29,970</b>

Sr- No-	MYT Seral No. / Approving Authority Name	Name Of Work	Date of Commencement of work	Opening Balance as on 01-04-2021	CAPEX FY 2021-22	Capitalization FY 2021-22
	Sr No. 18 of Table 19	Providing RCC Roads in 220kV S/S to facilitate movement of heavy vehicle loaded with equipment.		0	3,52,38,830	2,75,45,703
	Sr No. 19 of Table 19	Providing PCC in the yard area in 220kV S/s		0	3,41,05,878	2,06,05,944
179	WTDs	providing and fixing steel stair case P&M Mohali	03-09-2021	0	55,388	55,388
180	WTDs	Construction of footpath on sides of Main Road along with drainage system 220 kv s/s Mohali1	30-09-2021	0	21,08,467	21,08,467
182	WTDs	Reconstruction and repair of boundary wall raising of boundary wall and construction of security hut at 220 kv s/s Mohali 1	05-10-2021	0	11,99,700	11,99,700
	WTDs	providind and fixing steel stair case P&M Ferozpur & Moga		0	91,300	91,300
	WTDs	p/f ms staircase as per drawing in various 220/132 Stations	13-01-2022	0	4,30,680	1,08,127
	WTDs	Providing and Fixing MS Staircase at existing 132/220KV S/Stns. Under P&M Circle Jalandhar	10-11-2021	0	3,66,552	3,66,552
	WTDs	P&F of MS Staircase at various S/Stn. Under P&M Circle Amritsar	22-12-2021	0	3,28,970	3,28,970
		<b>Total</b>		<b>0</b>	<b>7,39,25,765</b>	<b>5,24,10,151</b>



Details of Capital work in progress (CWIP)/Contract in progress as on 31.03.2022 after Recasting-1  
(as per GH 14 - 132/220 KV works & GH 15.1 - 400KV works) (separately for both heads)

Work wise detail of CWIP as on 31.03.2022:- (Other than Contribution/Govt. Grant cases)

Annexure - D

Sr. No.	Name Of Work	Estimate No.	Date of Commencement of work	Opening Balance as on 01.04.2021	Addition made during FY 2021-22 (April 21- March, 2022)	Transfer to Fixed Asset during FY 2021-22 (April 21- March, 2022) (i.e Asset Created through CAPEX)	Closing Balance as on 31.03.2022	Remarks/ Reasons for pending CWIP	Division To whom Asset Transferred
1	2	3	4	5	6	7	8	9	10
1	Remote Terminal Units Installed at Grids 47 Nos. (M/S: DFE)	No.01203/SLDC/ G-20 Year 2012-13 Date 23.4.2012	09.07.2012	0	849550	849550	0		
2	Scheme for providing 45 nos. Remote Terminal Units for SCADA/EMS system at 220 & 132 KV Substations of PSTCL in Punjab (M/S ZV)	No.01804 /G-148 Year 2018-19 Date 6.12.2018	13.12.2018	13692963	5757075	0	19450038		
3	Centralised AC system, Furniture & Fixtures (including office Acs) (GH-14,801)	SCADA-02101/14.10.2021 to 29.10.2021	14.10.2021	0	478548	478548	0		
4	Procurement/Replacement of 66 nos. RTUs for various substations of PSTCL (45 no. Synergy RTU)	No. 02104/G-20 dated 18.06.2021	26.02.2021	0	52672027	1149403	51522624		
5	80 no. Interface Energy meters (ABT Type of 02s accuracy, GENUS Company)	E-2122-233-06869 » 2021-22 » 01/SEOAV21-22 » Procurement of 80 Nos. 02s class Interface Energy Meters (ABT Type) against Tender Inquiry No SLDC/146/2020	2021-22	0	1194250	526875	667375		
	<b>TOTAL</b>			<b>13692963</b>	<b>60951450</b>	<b>3004376</b>	<b>71640037</b>	<b>0</b>	<b>0</b>

Accounts Officer,  
S.L.D.C., P.S.T.C.L.,  
Ablowal (Patiala)

### SLDC Works CAPEX for last 5 years

Sr No. as per CIP Order	Particulars	Scope of Work	CIP approved for 2nd Control Period (in Cr)	Total Cost of Project	Project Start Date/ Zero Date	Actual/ Anticipated Year of completion	CAPEX during 2017-18	CAPEX during 2018-19	CAPEX during 2019-20	CAPEX during 2020-21	CAPEX during 2021-22	Tentative CAPEX during 2022-23	
<b>Works which have been Completed or likely to be completed on or before 31.03.2023</b>													
1	-	Procurement of 80 Nos Energy meters (Emergent Work Approved through Petition No 63/2021)	80 No. Interface Energy meters were procured in 2021-22 as emergent work for upcoming metering points/defective meters and for completion of SAS Project by P&M . This work approved by BOD and PSERC vide order dated 02.03.2022 against petition no 63/2021. Material has been received and is being installed on need basis.	0.28	0.28	12.07.2021	2022-23	0.00	0.00	0.00	0.00	0.12	0.16
<b>(A) : Spill Over Works of 1st MYT Control Period (From FY 2017-20)</b>													
1	1	Scheme for providing 45 Nos Remote Terminal Units for SCADA/EMS system at 220 & 132 KV Substations of PSTCL in Punjab (Spill over from 1st MYT)	Supply and Installation of 45 nos. RTUs.	0.48	6.72 (As per WO)	22.03.18	2023-24	0.00	4.42	0.09	0.95	0.57	0.78
2	2	Centralised AC system, Furniture & Fixtures (including office ACs)(Spill over from 1st MYT)	Centralised AC system, Furniture & Fixtures (including office ACs)	1.76	1.45 (Tentative)	02.06.17	2024-25	0.00	0.00	0.00	0.00	0.05	0.30
3	3	IT equipments including Server, computer, Displays, software etc. for SLDC, Web site and its offices. (Spill over from 1st MYT)	IT equipments including Server, computer, Displays, software etc. for SLDC, Web site and its offices.	0.38	0.43 (Tentative)	11.12.18	2022-23	0.00	0.00	0.00	0.00	0.00	0.30
<b>(B) : Spill Over Works of 2nd MYT Control Period (From FY 2020-23)</b>													
4	4	Implementation of SAMAST scheme in Punjab (Procurement of meters, communication equipments and Hardware and software for Scheduling, Accounting, Metering and settlement of transaction of Electricity)(Spill over from 2nd MYT)	Implementation of SAMAST scheme in Punjab.	22.52 (including 12.22 Cr. as Grant from PSDF)	22.52	04.03.22	2023-24	0.00	0.00	0.00	0.00	0.00	18.52
5	5	Procurement/ Replacement of RTUs for various substations of PSTCL (66 nos. RTUs) (Spill over from 2nd MYT)	Out of 66 No, 45 No. RTU have been procured out of which 44 nos. have been installed. Fresh tender enquiry shall be floated for remaining 21 nos. RTUs + 9 nos. more RTUs against future/damaged/outlived RTUs.	13.64	9.68 (Tentative)	26.02.22	2024-25	0.00	0.00	0.00	0.00	5.26	1.50
6	6	Extension of SLDC Building (Spill over from 2nd MYT)	Extension of building Shall be required for equipment under ULDC Phase 3/New Parking Shed/UNMS(Unified Network Management System) project	1.93	1.93 (Tentative)	01.04.23	2025-26	0.00	0.00	0.00	0.00	0.00	0.00
<b>New works for MYT 2023-26</b>													
1		Purchase of equipment/software.as per instructions of central agencies like NLDC, NCIIPC, CERT-IN, for cyber security etc. or any other unforeseen SLDC related works.	Purchase of IT equipment/software.as per instructions of central agencies like NLDC, NCIIPC, CERT-IN, for cyber security etc. or any other unforeseen SLDC related works (i.e. for RTU, IT, SAMAST, etc.)	NIL	1.5 (Tentative)	01.04.23	2025-26	0.00	0.00	0.00	0.00	0.00	0.00
2		ULDC Phase III (Under Study)	Replacement of SCADA System. The proposal for this work is under review at center level. This work will be covered under capital works only in case proposal of execution through tariff mode is rejected.	NIL	As per MoP, this project is to be implemented by CTU (PGCIL), the modalities of which are under discussion stage.								