



PUNJAB STATE TRANSMISSION CORPORATION LIMITED
(Regd. Office: PSEB Head Office, The Mall, Patiala-147001, Punjab, India)
Corporate Identity Number: U40109PB2010SGC033814
Office of the Chief Accounts Officer/F&A
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To

The Registrar,
Punjab State Electricity Regulatory Commission
Site No. 3, Madhya Marg, Sector – 18A
Chandigarh, 160018

Memo No. 3.9./CAO(F&A)/MYT-III/APR-I

Dated: 15/01/2024

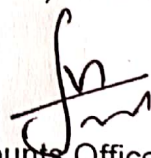
Subject: ARR Petition for FY 2024-25 including True up of ARR for FY 2022-23 and True up of CAPEX for 2nd Control Period i.e. from FY 2020-21 to FY 2022-23 – Deficiencies thereof:

Ref: Hon'ble Commission's Order dated 02.01.2024 in Petition no. 63 of 2023.

Hon'ble Commission has sought some additional information in subject cited petition vide order under reference. In compliance with the said order enclosed please find enclosed herewith the reply for further necessary action.

The soft copy of the submissions (in MS excel/word) has been sent separately through email dated 15.01.2024.

DA/As above


Chief Accounts Officer (F&A)
PSTCL, Patiala.

Replies to Deficiencies

1. PSTCL was directed to submit the scheme wise detailed list of approved works citing capital investment approved vis-a-vis actual capital expenditure against each scheme/work but the information is still pending, PSTCL to submit the requisite information and also needs to provide the reasons in respect of the schemes in which actual expenditure is more than the approved.

PSTCL's Reply:

Scheme wise detailed list of Capital Expenditure during 2nd control period along with reference to MYT serial no. has already been sent through email dated 04.01.2023. Detailed list of work wise CAPEX vis-a-vis actual Capital Expenditure is attached as Annexure- "A".

2. PSTCL has submitted list of inter State Transmission Lines such as Chandigarh, Kathua, Pinjore etc. in Annexure-D of the reply dated 15.12.2023 PSTCL has not submitted the reasons for not levying the transmission charges for these lines.

PSTCL's Reply:

In this respect, it is submitted here that Ownership of the Transmission Lines mentioned at Pt. no. 1 to 3 and 5 to 9 of Annexure-D of the reply dated 15.12.2023 lies with respective states but not with PSTCL. Regarding Hamirpur Chohal line mentioned at Pt no. 4 is submitted that, flow of Power in this line is mainly from Hamirpur to Chohal end and PSTCL is beneficiary most of the year. At present no transmission charges are being claimed by PSTCL.

3. In reply to point No. 9 vide letter dated 15.12.2023, PSTCL has excluded 1575.61 MW of NRSE power to calculate transmission capacity of 14667.85 MW. PSTCL to confirm that 1575.61 MW capacity is exclusively available at distribution boundary and is not attributed to transmission capacity. Further reconciliation of transmission capacity with PSPCL has not been submitted.

PSTCL's Reply:

2nd Deficiency Note - PSTCL

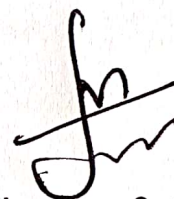
PSTCL has submitted the Transmission Capacity of 14667.85 MW after reducing the NRSE private projects capacity of 1575.61 MW. The list of the NRSE capacity is attached as Annexure- "B". The details of Gross Transmission Capacity as submitted in Format T-22 of the petition and NRSE Capacity at Annexure – "B" have been provided by PSPCL.

4. PSTCL in Annexure 8(b) of the letter dated 15.12.2023 has submitted that 662 MU has been imported from PSPCL. PSTCL has subtracted these units from total NRSE power purchase of 2216 MU, which includes 365 MU directly available at 132 kV and above. PSTCL has considered 365 MU as part of 662 MU imported from PSPCL, PSTCL to explain and clarify.

PSTCL's Reply:

The reply of the above is attached at Annexure – "C".

DA/As above



CAO (Finance & Audit)
PSTCL, Patiala

Capital Expenditure Actual Vis -a-Vis Approved by PSERC for 2nd Control Period

Annexure - A
(Rs in Crores)

New Works													
Sr No.	MYT Name of Work	MYT Approval Sub Group	MYT Work Serial No.	Actual CAPEX during FY 2020-21	Actual CAPEX during FY 2021-22	Actual CAPEX during FY 2022-23	Total - Actual Expenditure for FY 2020-2023	Approved by PSERC for FY 2020-21	Approved by PSERC for FY 2021-22	Approved by PSERC for FY 2022-23	Total Approved expenditure by commission - for FY 2020-23	Variances	Justifications
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	Table 15 (Scheme Already planned for 2020-23)	1	0.00	22.97	13.88	36.86	13.37	9.41	9.49	32.27	-4.59	Expenditure of 32.27 crore was approved for work of 400 KV Rajpura. MYT 2 was sent in July-Aug'19 but expenditure was incurred till march. Hence some of the excess exp relates to middle period. Also some expenditure exceeded due to cost escalation of transformer
2	Termination of direct link 220 kV between Lalton Kalan Sahnewal (Amendment no. 18 / 2018-19)	Table 15 (Scheme Already planned for 2020-23)	2	0.00	0.21	0.07	0.27	0.00	0.06	0.00	0.06	-0.21	There has been a minor increase on account of cost escalation in the actual expenditure from the estimates which were made during the submission of MYT Plan for the Control Period.
3	220 kV Kharar	Table 17 (Scheme New planned for 2020-23)	11	0.00	0.01	0.00	0.01	3.65	0.00	0.00	3.65	3.64	
4	220kV G.T. Road Ludhiana (New GIS) or (in Ludhiana area)Includind SAS for RS 1cr.	Table 17 (Scheme New planned for 2020-23)	14	0.61	0.03	0.23	0.87	11.14	11.76	13.68	36.58	35.71	
5	220kV G.T. Road Ludhiana (New GIS) or (in Ludhiana area)Includind SAS for RS 1cr.	Table 17 (Scheme New planned for 2020-23)	15	1.98	0.14	0.00	2.12	3.90	4.12	4.39	12.41	10.29	
6	220 kV Gobindgarh S/s (New Grid in the near by area of existing 220 kV S/s Gobindgarh-I). Includind SAS for RS 1cr.	Table 17 (Scheme New planned for 2020-23)	18	0.00	0.00	7.71	7.71	11.14	11.76	13.68	36.58	28.87	
7	220 kV Gobindgarh S/s (New Grid in the near by area of existing 220 kV S/s Gobindgarh-I). Includind SAS for RS 1cr.	Table 17 (Scheme New planned for 2020-23)	21	0.00	0.06	0.00	0.06	1.11	1.18	0.76	3.05	2.99	
8	220 kV Nawanpind (new grid in the premises of 66 kV S/s Nawanpind)Includind SAS for RS 1cr.	Table 17 (Scheme New planned for 2020-23)	23	0.00	0.06	0.00	0.06	0.00	25.52	14.22	39.74	39.68	
9	Augmentation/additions of transformers at 220/132 kV level.	Table 17 (Scheme New planned for 2020-23)	29	2.36	11.17	4.29	17.82	11.45	0.00	13.55	25.00	7.18	
10	132 kVSwadi Kalan	Table 17 (Scheme New planned for 2020-23)	38	0.00	0.05	0.04	0.09	0.33	0.35	0.43	1.11	1.02	
11	ii) 220 kV Abohar	Table 17 (Scheme New planned for 2020-23)	40	0.01	0.07	0.23	0.31						
12	iii) 220 kV Passiana	Table 17 (Scheme New planned for 2020-23)	41	0.59	0.07	0.00	0.66						
13	v) 220 kV Mohali - I	Table 17 (Scheme New planned for 2020-23)	43	0.25	8.84	9.91	19.00						
14	vi) 220 kV Banur	Table 17 (Scheme New planned for 2020-23)	44	0.00	0.09	0.08	0.18						

Sr No.	MYT Name of Work	MYT Approval Sub Group	MYT Work Serial No.	Actual CAPEX during FY 2020-21	Actual CAPEX during FY 2021-22	Actual CAPEX during FY 2022-23	Total - Actual Expenditure for FY 2020-2023	Approved by PSERC for FY 2020-21	Approved by PSERC for FY 2021-22	Approved by PSERC for FY 2022-23	Total Approved expenditure by commission - for FY 2020-23	Variances	Justifications
15	xi) 220 kV Badsahpur	Table 17 (Scheme New planned for 2020-23)	49	0.00	-0.12	0.01	-0.11	42.30	33.49	33.71	109.50	88.80	
16	xiii) 220 kV Udhoke	Table 17 (Scheme New planned for 2020-23)	51	0.02	0.04	0.00	0.06						
17	xvii) 220 kV Kohara	Table 17 (Scheme New planned for 2020-23)	55	0.01	0.00	0.00	0.01						
18	xviii) 220 kV Doraha	Table 17 (Scheme New planned for 2020-23)	56	0.00	0.12	-0.01	0.11						
19	xix) 220 kV Baghapurana	Table 17 (Scheme New planned for 2020-23)	57	0.02	0.06	0.00	0.07						
20	xxii) 132kV Ferozshah	Table 17 (Scheme New planned for 2020-23)	60	0.00	0.07	0.00	0.07						
21	xxvi) 132kV Kathunangal	Table 17 (Scheme New planned for 2020-23)	63	0.00	0.16	0.00	0.16						
22	xxviii) 132kV Shri Hargobindpur	Table 17 (Scheme New planned for 2020-23)	65	0.00	0.00	0.13	0.14						
23	xxxi) 132kV Bilaspur	Table 17 (Scheme New planned for 2020-23)	67	0.01	0.03	0.00	0.04						
24	Augmentation of bus bars, extension in control room building, providing room for second source for station battery etc.	Table 17 (Scheme New planned for 2020-23)	69	2.73	3.89	6.41	13.03	6.87	6.27	0.00	13.14	0.11	
25	Additional 220/132/66 kV line bays related with feasibility cases or as per PSPCL requirement.	Table 17 (Scheme New planned for 2020-23)	70	0.06	4.40	1.80	6.26	5.64	1.90	0.00	7.54	1.28	
26	Second source of battery at various 220/132 kV S/s of PSTCL	Table 17 (Scheme New planned for 2020-23)	71	0.02	0.04	0.05	0.11	1.67	1.76	1.78	5.21	5.10	
27	90 nos PSTCL grids (220 kV) to be provided with SAS. Report already sent for PSDF funding if approved, these stations will be upgraded.	Table 17 (Scheme New planned for 2020-23)	72	0.20	0.01	0.01	0.23	22.28	41.18	39.13	102.59	102.36	
28	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).	Table 17 (Scheme New planned for 2020-23)	75	2.84	31.22	45.85	79.91	27.86	29.41	23.71	80.98	1.07	
29	132 kV S/s Kotkapura-I	Table 17 (Scheme New planned for 2020-23)	76	0.00	3.13	0.24	3.37	3.69	0.00	0.00	3.69	0.32	
30	132 kV Nawanshahar.	Table 17 (Scheme New planned for 2020-23)	78	0.00	0.00	0.00	0.00	3.69	0.00	0.00	3.69	3.69	
31	132 kV Kapurthala.	Table 17 (Scheme New planned for 2020-23)	79	0.00	0.00	0.05	0.05	3.69	0.00	0.00	3.69	3.64	

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32	132 kV Panjgralan.	Table 17 (Scheme New planned for 2020-23)	81	0.00	2.21	1.23	3.44	2.74	0.00	0.00	2.74	-0.70	There has been a minor increase on account of cost escalation in the actual expenditure from the estimates which were made during the submission of MYT Plan for the Control Period.
33	IGC Bathinda (Aug)	Table 17 (Scheme New planned for 2020-23)	83	0.00	2.13	0.62	2.75	5.48	0.00	0.00	5.48	2.73	
34	132 kV Gholian Kalan.	Table 17 (Scheme New planned for 2020-23)	84	0.00	0.17	0.27	0.44	3.69	0.00	0.00	3.69	3.25	
35	Augmentation of 132 kV Nawanpind - Verka, 5 KM (0.2sq") and 132 kV Nawanpind - Malmandi (5KM 0.2sq") with suitable HTLS conductor.	Table 17 (Scheme New planned for 2020-23)	86	0.00	0.00	0.02	0.02				0.00	-0.02	There has been a minor increase in the actual expenditure from the estimates which were made during the submission of MYT Plan for the Control Period.
36	Augmentation of 132 kV GGSSTP - Asron) 6 KM 0.2sq") and 132 kV GGSSTP - Ropar (19.76 KM) 0.2sq".	Table 17 (Scheme New planned for 2020-23)	87	0.00	0.00	0.00	0.00	1.67	8.24	8.89	18.80	18.80	
37	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	Table 17 (Scheme New planned for 2020-23)	88	0.06	0.10	0.00	0.16	0.45	0.00	0.00	0.45	0.29	
38	132 kV GT Road Amritsar & 132 kV Sakatari Bagh Asr	Table 17 (Scheme New planned for 2020-23)	89	2.45	16.63	9.55	28.63	3.34	9.41	5.93	18.68	-9.95	WORK EXECUTED on basis of sanctioned estimate whose amount is Rs 20.62 Hard Cost 19.28 Cr, EC IDC 6.26 Cr , 2.86 Cr minus balance booked to work during 2023-24.
39	132 kV GT Road Amritsar & 132 kV Sakatari Bagh Asr	Table 17 (Scheme New planned for 2020-23)	90	0.00	0.56	0.45	1.01	0.56	0.59	0.00	1.15	0.14	
40	Unforeseen emergency works	Table 17 (Scheme New planned for 2020-23)	92	1.32	0.20	0.82	2.34	2.04	1.59	0.00	3.63	1.29	
41	220 kV Banga	Table 17 (Scheme New planned for 2020-23)	12-13	0.00	0.24	0.33	0.58	6.69	5.56	0.00	12.25	11.67	
42	220 kV Gurdaspur including SAS of RS 1 cr	Table 17 (Scheme New planned for 2020-23)	32-33	0.00	4.78	6.28	11.06	7.35	10.23	10.31	27.89	16.83	
43	400 kV S/s Ropar New Grid (in the premises of GGSSTP)	Table 17 (Scheme New planned for 2020-23)	1-8	0.01	1.05	91.02	92.08	26.28	76.23	63.81	166.32	74.24	
44	To Modernise the hotline work by use of Diagnostic techniques to decrease the outage in transmission system of PSTCL.	Table 19 (Works approved for P & M)	1	0.00	0.00	0.16	0.16	11.14	0.00	0.00	11.14	10.98	
45	PT/CVT testing kit for ODTL	Table 19 (Works approved for P & M)	7	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.39	0.39	

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46	Remote Control Operation of 400kV S/StnsMukhtsar, Nakodar and Makhu	Table 19 (Works approved for P & M)	8	0.02	0.00	0.00	0.02	0.00	1.76	0.00	1.76	1.74	
47	Construction of Security Huts at 220/132kV Sub stations.	Table 19 (Works approved for P & M)	15	0.00	0.12	0.00	0.12	3.09	0.00	0.00	3.09	2.97	
48	Providing Plinths for 2 sets (20 No.) of ERS- Emergency Restoration System Towers at 400kV S/S Rajpura,Nakodar and 220kV Muktsar	Table 19 (Works approved for P & M)	17	0.43	0.00	0.00	0.43	0.56	0.00	0.00	0.56	0.13	
49	Providing RCC Roads in 220kV S/S to facilitate movement of heavy vehicle loaded with equipment.	Table 19 (Works approved for P & M)	18	0.00	3.52	2.85	6.37	5.01	2.94	2.96	10.91	4.54	
50	Providing PCC in the yard area in 220kV S/s	Table 19 (Works approved for P & M)	19	0.00	3.41	1.24	4.65	3.34	4.12	3.56	11.02	6.37	
51	Providing AC and Furniture at kangra Rest House	Table 19 (Works approved for P & M)	20	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.17	0.17	
52	Constrction of footpath on sides of Main Road along with drainage system 220 kv s/s Mohali1	Table 19 (Works approved for P & M)	Agenda 190/CE/P&M/2021-22	0.00	0.21	0.00	0.21					-0.21	
53	Scheme for providing 45 nos. Remote Terminal Units for SCADA/EMS system at 220 & 132 kv Substations of PSTCL in Punjab	Schemes approved for SLDC (2nd MYT)	1	0.00	0.00	0.15	0.15	0.48	0.00	0.00	0.48	0.33	
54	Centralised AC system, Furniture & Fixtures (including office ACs)	Schemes approved for SLDC (2nd MYT)	2	0.00	0.05	0.00	0.05	1.46	0.14	0.16	1.76	1.71	
55	IT equipment including Server, computer, Displays, software etc. for SLDC, Web site and its offices	Schemes approved for SLDC (2nd MYT)	3	0.00	0.00	0.10	0.10	0.24	0.07	0.07	0.38	0.28	
56	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)	Schemes approved for SLDC (2nd MYT)	4	0.00	0.00	0.00	0.00	0.00	6.14	16.38	22.52	22.52	
57	Procurement/Replacement of 66 nos. RTUs for various substations of PSTCL	Schemes approved for SLDC (2nd MYT)	5	0.00	5.27	0.08	5.35	7.81	3.41	2.40	13.62	8.27	

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58	80 nos. interface energy meter (ABT type) of 0.25 accuracy class	Schemes approved for SLDC (2nd MYT)	8	0.00	0.12	0.00	0.12	0.00	0.14	0.14	0.28	0.16	
59	Installation of bus couplers at various 220 kv & 132 kv S/s	Schemes approved by PSERC in Amendment order dated 02.03.2022	1	0.00	0.43	0.86	1.30	5.92	5.92	5.92	17.76	16.46	
60	Upgradation of 66 kv substation old patiala to 22 KV substation	Schemes approved by PSERC in Amendment order dated 02.03.2022	2	9.82	-0.38	0.00	9.44	0.00	25.00	34.00	59.00	49.56	
61	400 KV S/stn. Dhanansu	Schemes approved by PSERC in Amendment order dated 02.03.2022	3	0.00	15.25	34.29	49.54	0.00	32.00	36.00	68.00	18.46	
62	LILO of one circuit of 220kV RSD-220kV/Sarna at Shahpur Kandi Ph-I & Ph-II 9km SC on DC, 0.5 sq in. conductor	Schemes approved by PSERC in Amendment order dated 02.03.2022	5	0.00	0.00	-0.01	-0.01	15.38	11.97	27.35	54.70	54.71	
63	220KV Moga - Muktsar D/C Line LILO at Sadiq Tower erection, Stringing & Sagging	Any Other	Amendment No. 29 2019-20	0.38	0.00	0.00	0.38				0.00	-0.38	The estimate of the line was approved for Rs. 6.83 Cr. The line was energised in the year 2010, But payment to DFO Ferozepur for forest case of the line was pending which was made on dt. 02.02.2021
64	p/f ms staircase as per drawing in various 220/132 kv ss under P&M division bathinda	Any Other	Agenda no. 180/CE/P&M/2021-22	0.00	0.13	0.00	0.13				0.00	-0.13	
65	E-2324-781-08437 » 2023-24 ,18TLSC JAL22-23 , Survey for Lilo of 220KV Nakodar - Kartarpur at 220KV S/S Chitti	Any Other	Beyond MYT 2 BOD Approval	0.00	0.00	0.00	0.00				0.00	0.00	
66	Raising of 132 KV Mukerian PH-I to PH-II LINE; JLW-P-22- Raising of 220 KV RSD-Sarna Ckt no. 1&2(T No. 41-42) Shahpur Kandi Hydel channel;E-2223-783-08295 » 2022-23 - CWM-03-2022-23 - Const- Of 66kv Salasar bay at	Any Other	Any Other	0.03	0.00	0.98	1.00				0.00	-1.00	
67	220 kv Laltonkalan to 220 kv Doraha DC line	Any Other	this work includes by CE/SO&C vide letter no. 1338/40 dated 06.09.2010. List A, Annexure A, Sr. no.7A	0.00	0.00	0.00	0.00				0.00	0.00	
68	E-2223-783-08318 » 2022-23 - 07-CW-2022-23 - Construction of 3rd additional 20MVA 132-11KV T-F Plinth and allied Civil works at 220 kv S-S- Goraya	Any Other	Work listed in Sr 18 of MYT 3	0.00	0.00	0.04	0.04				0.00	-0.04	Preonement of Work approve by PSERC in CIP for 3rd Control Period.

Sr No.	MYT Name of Work	MYT Approval Sub Group	MYT Work Serial No.	Actual CAPEX during FY 2020-21	Actual CAPEX during FY 2021-22	Actual CAPEX during FY 2022-23	Total - Actual Expenditure for FY 2020-2023	Approved by PSERC for FY 2020-21	Approved by PSERC for FY 2021-22	Approved by PSERC for FY 2022-23	Total Approved expenditure by commission - for FY 2020-23	Variances	Justifications
69	TSW-G-83-220kv Link line from 500 MVA transformer to its incomer on DD tower	Any Other	Amendment no. 20/2018-19	0.00	0.00	0.90	0.90				0.00	-0.90	
70	LULO of 220KV Humbran Ferozepur Road at Ladawal DC Tower Line	Any Other	Amendment no. 62 (transmission work list 2012-17 of SE/Planning)	0.00	0.00	0.00	0.00				0.00	0.00	
Total New Works (A)				26.23	143.02	243.25	412.50	289.06	383.63	386.41	1059.10	646.60	

Spill Over Works

1	New Civil Works in respect of 5 no. stores such as sheds, plinths and Boundry walls etc.	Table No. 11 (Spill over Works) (8 Schemes)	1	1.21	0.25	0.06	1.51	4.23	0.00	0.00	4.23	2.72	
2	Replacement of Existing conductor of 220 kv Mohali-I - Mohali-II line	Table No. 11 (Spill over Works) (8 Schemes)	7	0.00	0.00	0.00	0.00	11.14	12.89	7.11	31.14	31.14	
3	220 kv DC line from 400 kv Jalandhar (PGCIL) to 220 kv Kartarpur	Table No. 11 (Spill over Works) (8 Schemes)	8	0.04	0.02	0.04	0.11	11.14	18.82	11.87	41.83	41.72	
4	220 kv DC line from 400 kv Grid near Doraha to 220 kv Kohara	Table No. 11 (Spill over Works) (8 Schemes)	3-6	0.00	0.06	5.10	5.15	0.00	48.09	27.09	75.18	70.03	
5	Unforeseen Expenditure on works on 2018-19	Table No. 11 (Spill over Works) (27 Schemes)	1	0.00	0.64	0.00	0.64	3.34	2.35	1.19	6.88	6.24	
6	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	Table No. 11 (Spill over Works) (27 Schemes)	2	0.37	0.07	0.03	0.46	1.11	0.00	0.00	1.11	0.65	
7	400 kv S/Stn. Makhu	Table No. 11 (Spill over Works) (27 Schemes)	3	8.78	23.37	0.49	32.64	24.51	5.88	0.00	30.39	-2.25	The cost intimated in MYT is tentative in nature. The actual cost is incurred as per detailed engineering and the cost of the material at the time of work & Cost also increased due to cost escalation.
8	220 kv S/S Dhandhari Kalan 1 and 2	Table No. 11 (Spill over Works) (27 Schemes)	4	2.84	0.21	1.85	4.90	5.01	0.00	0.00	5.01	0.11	
9	Procurement of Hardwares, Server, Furniture, IT Space renovation (Civil Works) & Unforeseen Capital Investment	Table No. 11 (Spill over Works) (27 Schemes)	5	0.54	0.37	0.01	0.92	1.28	0.65	0.65	2.58	1.66	
10	220 kv S/Stn Sadiq	Table No. 11 (Spill over Works) (27 Schemes)	6	0.11	0.00	0.00	0.11	0.35	0.00	0.00	0.35	0.24	
11	220 kv S/StnBajakhana	Table No. 11 (Spill over Works) (27 Schemes)	7	0.62	-0.23	0.00	0.39	0.35	0.00	0.00	0.35	-0.04	There has been a minor increase in the actual expenditure from the estimates which were made during the submission of MYT Plan for the Control Period.
12	220 kv S/StnGhubaya	Table No. 11 (Spill over Works) (27 Schemes)	8	0.03	0.00	0.00	0.03	0.35	0.00	0.00	0.35	0.32	

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13	220 kV S/StnSherpur (Focal Point) (U/G from 66 kV grid with 220 kV side GIS and 66 kV side Conventional)	Table No. 11 (Spill over Works) (27 Schemes)	10	1.29	17.25	6.79	25.33	4.79	0.00	0.00	4.79	-20.54	The GIS at Sherpur is first of its kind in Punjab. So, the cost data for GIS was not available at the time of MYT 1 and the cost indicated were purely tentative. The cost of the project is intimated to the Hon'ble commission at the time of submitting 3rd MYT and the same has been approved by the commission.
14	LILO of both ckts of 220 kV S/Stn Jamalpur - 220 kV S/StnDhandari Kalan-I line at 220 kV S/StnSherpur (Focal Point)	Table No. 11 (Spill over Works) (27 Schemes)	11	-0.05	0.00	0.00	-0.05	1.11	0.00	0.00	1.11	1.16	
15	220 kV S/StnBudhlada (U/G from 66 kV)	Table No. 11 (Spill over Works) (27 Schemes)	12	2.16	2.47	1.44	6.08	9.00	12.94	0.00	21.94	15.86	
16	220 kV S/Stn Mansa - 220 kV S/StnBudhlada DC Line	Table No. 11 (Spill over Works) (27 Schemes)	13	0.00	6.27	16.80	23.07	7.49	10.59	0.00	18.08	-4.99	Tentative exp. is intimated as per the final MYT list, But actual exp. is incurred as per the approved estimate of Rs. 21.89 Cr the line. Reasons for more exp: Exorbitant Compensation due to TL-94 & 97 ROW issue by Kissan Union, Route revision etc. Actual Expenditure 19.55 Cr EC & IEDC 4.36
17	400 kV S/StnDoraha (New at Village Dhanansu)	Table No. 11 (Spill over Works) (27 Schemes)	14	0.00	10.95	11.95	22.89	8.91	14.12	14.23	37.26	14.37	
18	LILO of one ckt. of 400 kVJalandhar- Kurukshetra D/C line f at 400 kV Dhanansu(Quad Moose)	Table No. 11 (Spill over Works) (27 Schemes)	15	0.00	1.57	13.56	15.13	5.57	5.88	0.59	12.04	-3.09	Turn Key project , Less provision was made in MYT. Variance due to price variation of material booked as actual expenditure. Work expenditure with in estimate 14.33 bifurcation of expenditure is Hard Cost 12.79 , EC& IDC 2.33
19	(i) 400 kV Bays (ii) 220 kV Bays at 400 kV S/StnDoraha	Table No. 11 (Spill over Works) (27 Schemes)	16	9.50	-0.25	0.18	9.43	7.80	9.41	7.02	24.23	14.80	
20	LILO of 220 kV S/Stn Mansa - Sunam (SC) at 400 kV S/StnPatran (220 kV bus).	Table No. 11 (Spill over Works) (27 Schemes)	17	9.39	12.65	10.62	32.66	11.14	11.76	6.59	29.49	-3.17	Tentative exp. is intimated as per the final MYT list, But actual exp. is incurred as per the approved estimate of Rs. 35.09 Cr the line. Reasons for more exp: Route revision, Exorbitant compensation due to ROW problem at site etc. Actual Expenditure 25.33 Cr EC& IEDC 10.54
21	132 kV Samadh Bhai	Table No. 11 (Spill over Works) (27 Schemes)	19	0.53	0.39	0.00	0.92	0.67	0.00	0.00	0.67	-0.25	Work has been done as per issued drawing and sanctioned estimate.
22	132 kV Pathankot	Table No. 11 (Spill over Works) (27 Schemes)	20	0.54	0.00	0.00	0.54	0.22	0.00	0.00	0.22	-0.32	Work has been done as per issued drawing and sanctioned estimate.
23	220 kV S/StnJadia	Table No. 11 (Spill over Works) (27 Schemes)	21	0.39	0.17	0.04	0.60	6.69	0.00	0.00	6.69	6.09	
24	220 kV S/StnBotianwala (Thatha Sahib)	Table No. 11 (Spill over Works) (27 Schemes)	22	0.16	9.31	3.95	13.42	9.03	0.00	0.00	9.03	-4.39	Excess expenditure of 4.39 crores relate to cost escalation in price of equipment.
25	220 kV S/StnMajitha	Table No. 11 (Spill over Works) (27 Schemes)	23	0.24	0.28	0.68	1.21	6.69	0.00	0.00	6.69	5.48	
26	132 kV S/Stn Pathankot	Table No. 11 (Spill over Works) (27 Schemes)	24	0.21	0.01	0.00	0.22	0.23	0.00	0.00	0.23	0.01	

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27	400 kV S/StnMukatsar - 220 kV S/StnFazilka 220 kV DC line	Table No. 11 (Spill over Works) (27 Schemes)	26	0.33	0.01	0.00	0.34	5.57	17.65	2.87	26.09	25.75	
28	220 kV Bays	Table No. 11 (Spill over Works) (27 Schemes)	27	0.03	0.31	0.03	0.36	3.10	2.35	0.00	5.45	5.09	
29	220 kV S/S Derabassi	Table No. 11 (Spill over Works) (18 Schemes)	1	0.00	0.00	0.00	0.00	1.11	0.00	0.00	1.11	1.11	
30	220 kV S/S Sahnewal	Table No. 11 (Spill over Works) (18 Schemes)	2	0.22	0.02	0.05	0.30	0.20	0.00	0.00	0.20	-0.10	Work has been done as per issued drawing and sanctioned estimate.
31	220 kV S/StnBanga (U/G from 132 kV)	Table No. 11 (Spill over Works) (18 Schemes)	3	1.42	0.01	0.22	1.64	2.79	0.00	0.00	2.79	1.15	
32	220 kV DC line from 220 kV S/StnGaunagarh to 220 kV S/StnLadhowal.	Table No. 11 (Spill over Works) (18 Schemes)	8	0.09	0.06	0.03	0.17	1.11	0.00	0.00	1.11	0.94	
33	220 kV S/StnBhawanigarh	Table No. 11 (Spill over Works) (18 Schemes)	13	0.11	0.92	0.37	1.41	6.69	0.00	0.00	6.69	5.28	
34	132 kV IGC, Bathinda	Table No. 11 (Spill over Works) (18 Schemes)	14	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	-0.05	There has been a minor increase in the actual expenditure from the estimates which were made during the submission of MYT Plan for the Control Period.
35	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	Table No. 11 (Spill over Works) (18 Schemes)	15-18	3.33	4.58	4.30	12.21	11.94	0.00	0.00	11.94	-0.27	There has been a minor increase in the actual expenditure from the estimates which were made during the submission of MYT Plan for the Control Period.
36	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	Table No. 11 (Spill over Works) (18 Schemes)	4-7	1.14	0.75	1.47	3.36	2.23	1.18	0.00	3.41	0.05	
37	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	Table No. 11 (Spill over Works) (18 Schemes)	9-12	1.54	1.67	1.64	4.86	4.87	0.00	0.00	4.87	0.01	

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38	132 kV Faridkot – Kotkapur-2 SC link (Amendment no. 16 / 2018-19) (2no. 132 kV line bays (one at each end))	Table 13 Scheme outside the first MYT approval	1	0.00	-0.04	1.02	0.98	3.94	6.32	2.64	12.90	11.92	
39	132 kV Sihora-132 kV Seh SC line 2no. 132 kV line bays (one at each end)	Table 13 Scheme outside the first MYT approval	2	0.85	3.00	3.13	6.98	4.05	6.52	2.72	13.29	6.31	
40	220 kV S/S Beas (new)	Table 13 Scheme outside the first MYT approval	4	0.03	0.31	0.48	0.82	0.00	0.00	1.00	1.00	0.18	
41	220kV DC Line from 400 kV Rajpura to 220 kV Bassi-Pathana (Line length 2 X 20 km)	Table 13 Scheme outside the first MYT approval	5	-0.01	0.34	0.56	0.89	11.19	7.09	4.77	23.05	22.16	
42	220 kV Patti	Table 13 Scheme outside the first MYT approval	8	0.00	0.15	10.85	11.00	7.80	0.64	0.00	8.44	-2.56	2.56 cr diff left on account of cost escalation of the price of the transformer
43	220 kV Ferozepur road Ludhaliana	Table 13 Scheme outside the first MYT approval	9	0.08	0.02	0.00	0.10	7.80	0.64	0.00	8.44	8.34	
44	220 kV Dhandari Kalan - 2	Table 13 Scheme outside the first MYT approval	10	0.00	0.00	0.07	0.07	15.67	4.87	0.00	20.54	20.47	
45	220 kV Dhandari Kalan - 2	Table 13 Scheme outside the first MYT approval	12	0.17	0.93	0.26	1.35	0.89	0.71	0.00	1.60	0.25	
46	400 kV S/Stn Nakodar(2x315 MVA, 400/220 kV) (Amendment no. 43 /2018-19)	Table 13 Scheme outside the first MYT approval	3a	0.00	0.00	1.33	1.33	7.85	4.98	3.34	16.17	14.84	
47	220 kV S/Stn Dharamkot	Schemes approved for STU (182 works) (1st MYT)	1	0.00	0.00	0.00	0.00	4.50	-	-	4.50	4.50	
48	Stringing of 2nd ckt of 220 kV line from 220 kV S/Stn Focal Point Nabha to 220 kV S/Stn Bhawanigarh.	Schemes approved for STU (182 works) (1st MYT)	2	-0.02	0.00	0.00	-0.02	0.67	-	-	0.67	0.69	
49	220 kV S/Stn Mansa	Schemes approved for STU (182 works) (1st MYT)	5	0.00	0.00	0.00	0.00	0.25	-	-	0.25	0.25	
50	132 kV S/Stn Badal	Schemes approved for STU (182 works) (1st MYT)	6	0.22	0.01	0.00	0.23	0.35	-	-	0.35	0.12	
51	132 kV S/Stn Anandpur Sahib	Schemes approved for STU (182 works) (1st MYT)	7	0.00	0.00	0.00	0.00	0.34	-	-	0.34	0.34	
52	400 kV Dhuri Sub Station	Schemes approved for STU (182 works) (1st MYT)	8	0.14	0.00	0.00	0.14	1.00	-	-	1.00	0.86	
53	220 kV Goindwal Sahib-Botianwala DC line	Schemes approved for STU (182 works) (1st MYT)	9	0.90	-0.16	0.00	0.74	2.00	-	-	2.00	1.26	
54	220 kV Rajpura-Devigarh DC line	Schemes approved for STU (182 works) (1st MYT)	10	0.03	-0.04	0.00	-0.01	0.30	-	-	0.30	0.31	

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55	220 kV Nakodar-Rehanajattan DC line	Schemes approved for STU (182 works) (1st MYT)	11	0.00	0.00	0.00	0.00	0.40	-	-	0.40	0.40	
56	220 kV Mukatsar-Kotkapura DC line	Schemes approved for STU (182 works) (1st MYT)	12	2.65	-0.13	0.00	2.52	0.50	-	-	0.50	-2.02	Tentative exp. is intimated as per the final MYT list, But actual exp. is incurred as per the approved estimate of the line. Reasons for more exp: Route revision, ban on cutting of trees by NGT, incidents of thefts of conductor, the previous contactor was blacklisted, and new WO for balance work was issued to new contractor.
57	220 kV Makhu-Algon DC line	Schemes approved for STU (182 works) (1st MYT)	13	4.55	0.02	0.00	4.58	2.00	-	-	2.00	-2.58	There have been multiple revisions of routr plan, railway clearance, ROW issues leading to changes in 7 No. Towers from open pit to semi submerged pit on account of change in scope of TL No. 62 from open pit to pile type foundation.
58	220 kV Makhu-Rashiana DC line	Schemes approved for STU (182 works) (1st MYT)	14	0.21	0.00	0.00	0.21	1.00	-	-	1.00	0.79	
59	220 kV Moga- Mehalkalan DC line	Schemes approved for STU (182 works) (1st MYT)	16	-0.01	0.00	0.00	-0.01	1.00	-	-	1.00	1.01	
60	220 kV PGCIL(Ludhiana)-Doraha DC line	Schemes approved for STU (182 works) (1st MYT)	17	1.57	1.10	0.71	3.38	2.00	-	-	2.00	-1.38	Increase is due to shifting of 66 KV Lines of PSPCL which was earlier not a part of the execution plan
61	220 kV Mukatsar-Malout DC line	Schemes approved for STU (182 works) (1st MYT)	18	0.00	0.00	0.00	0.00	1.00	-	-	1.00	1.00	
62	220 kV Nakodar- Ladawal DC line	Schemes approved for STU (182 works) (1st MYT)	19	0.13	0.00	0.00	0.13	10.00	-	-	10.00	9.87	
63	LILO of one ckt of Humbran - Ferozpur Road Ludhiana line at Ladawal	Schemes approved for STU (182 works) (1st MYT)	20	0.00	0.00	0.00	0.00	5.00	-	-	5.00	5.00	
64	LILO of Patran- Kakrala & Patran- Rajla lines at 400 kV PGCIL Patran	Schemes approved for STU (182 works) (1st MYT)	22	-0.05	0.00	0.00	-0.05	0.50	-	-	0.50	0.55	
65	220 kV S/S Maur (U/G from 132 kV)	Schemes approved for STU (182 works) (1st MYT)	24	0.16	0.67	0.00	0.83	4.00	-	-	4.00	3.17	
66	LILO of one ckt of GHTP- Talwandi Sabo line at Maur	Schemes approved for STU (182 works) (1st MYT)	25	-0.31	0.01	0.00	-0.30	7.00	-	-	7.00	7.30	
67	220 kV S/S Hoshiapur (upgradation from 132 kV)	Schemes approved for STU (182 works) (1st MYT)	27	0.08	-0.12	0.00	-0.04	0.10	-	-	0.10	0.14	
68	220 kV S/S Baghapurana	Schemes approved for STU (182 works) (1st MYT)	28	0.09	-0.03	0.00	0.06	6.20	-	-	6.20	6.14	

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69	220 kV S/S Kanjali	Schemes approved for STU (182 works) (1st MYT)	29	0.01	0.05	0.00	0.06	6.90	-	-	6.90	6.84	
70	220 kV S/S Mastewal	Schemes approved for STU (182 works) (1st MYT)	30	0.33	0.45	0.00	0.79	6.10	-	-	6.10	5.31	
71	220 kV S/S Verpal	Schemes approved for STU (182 works) (1st MYT)	31	-0.11	0.00	0.00	-0.11	0.20	-	-	0.20	0.31	
72	220 kV S/S Ablowal	Schemes approved for STU (182 works) (1st MYT)	33	0.10	0.00	0.00	0.10	6.42	-	-	6.42	6.32	
73	LILO of both ckts. of Patiala-Mandi Gobindgarh DC line at 400 kV Rajpura	Schemes approved for STU (182 works) (1st MYT)	34	-0.17	0.00	0.00	-0.17	0.10	-	-	0.10	0.27	
74	132 kV S/S Ekalgadda	Schemes approved for STU (182 works) (1st MYT)	36	0.03	0.00	0.00	0.03	0.30	-	-	0.30	0.27	
75	132 kV G.T. Road Amritsar	Schemes approved for STU (182 works) (1st MYT)	37	0.00	0.00	0.00	0.00	0.29	-	-	0.29	0.29	
76	132 kV Power Colony Amritsar	Schemes approved for STU (182 works) (1st MYT)	38	0.13	0.00	0.00	0.13	0.19	-	-	0.19	0.06	
77	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	Schemes approved for STU (182 works) (1st MYT)	39	0.00	0.00	0.00	0.00	1.82	-	-	1.82	1.82	
78	220 kV S/Stn Jadia (U/G from 132 kV)	Schemes approved for STU (182 works) (1st MYT)	40	0.00	0.00	0.00	0.00	2.03	-	-	2.03	2.03	
79	220 kV S/Stn Dera Bassi/ Saidpura	Schemes approved for STU (182 works) (1st MYT)	41	0.13	0.00	0.00	0.13	0.75	-	-	0.75	0.62	
80	220 kV S/Stn Dharamkot	Schemes approved for STU (182 works) (1st MYT)	43	0.16	-0.03	0.00	0.13	1.61	-	-	1.61	1.48	
81	220 kV S/Stn Badhni Kalan (U/G from 132 kV)	Schemes approved for STU (182 works) (1st MYT)	44	0.03	0.00	0.00	0.03	5.00	9.05	-	14.05	14.02	
82	LILO of 220 kV line from 400 kV S/Stn Moga to 220 kV S/Stn Himmatpura at 220 kV S/Stn Badhni Kalan	Schemes approved for STU (182 works) (1st MYT)	45	-0.02	0.00	0.00	-0.02	0.80	1.60	-	2.40	2.42	
83	220 kV S/Stn Alawalpur (U/G from 132 kV)	Schemes approved for STU (182 works) (1st MYT)	46	0.31	-0.57	0.02	-0.24	5.00	8.21	-	13.21	13.45	

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84	LILO of one ckt. of 220 kV S/Stn BBMB, Jalandhar - 220 kV S/Stn Pong DC line (ckt-3) at 220 kV S/Stn Alawalpur	Schemes approved for STU (182 works) (1st MYT)	47	0.02	0.08	0.00	0.10	1.00	3.80	-	4.80	4.70	
85	220 kV S/Stn Talwandi Bhai	Schemes approved for STU (182 works) (1st MYT)	48	0.04	0.00	0.00	0.04	9.84	-	-	9.84	9.80	
86	220 kV S/Stn Amlah	Schemes approved for STU (182 works) (1st MYT)	49	0.08	0.04	0.03	0.15	8.81	-	-	8.81	8.66	
87	220 kV S/Stn Mansa	Schemes approved for STU (182 works) (1st MYT)	50	0.00	0.00	0.00	0.00	8.81	-	-	8.81	8.81	
88	220 kV S/Stn Kartarpur	Schemes approved for STU (182 works) (1st MYT)	51	0.00	0.00	0.00	0.00	8.81	-	-	8.81	8.81	
89	220 kV S/Stn Ghulal	Schemes approved for STU (182 works) (1st MYT)	52	0.03	0.00	0.00	0.03	3.22	-	-	3.22	3.19	
90	NIFPES Systems for 31 no. 220 kV, 100 MVA T/Fs	Schemes approved for STU (182 works) (1st MYT)	54	0.00	0.00	0.00	0.00	3.12	3.12	-	6.24	6.24	
91	400 kV S/S Mukatsar	Schemes approved for STU (182 works) (1st MYT)	55	0.37	-0.01	0.00	0.36	5.00	12.00	-	17.00	16.64	
92	132 kV Verpal-Mall Mandi Line	Schemes approved for STU (182 works) (1st MYT)	56	0.57	0.00	0.00	0.57	3.00	4.40	-	7.40	6.83	
93	220 kV S/S Gobindgarh-II	Schemes approved for STU (182 works) (1st MYT)	57	0.01	0.00	0.00	0.01	0.30	-	-	0.30	0.29	
94	220 kV S/S Mukatsar	Schemes approved for STU (182 works) (1st MYT)	58	0.12	0.00	0.00	0.12	1.06	-	-	1.06	0.94	
95	132 kV Shanan- Kangra- Pathankot line with new ACSR wolf conductor	Schemes approved for STU (182 works) (1st MYT)	61	1.93	0.00	0.03	1.96	3.86	15.64	-	19.50	17.54	
96	400 kV S/Stn. Makhu	Schemes approved for STU (182 works) (1st MYT)	62	0.00	0.00	0.00	0.00	2.00	15.00	-	17.00	17.00	
97	Transmission System for 400 kV Talwandi Sabo Thermal Plant	Schemes approved for STU (182 works) (1st MYT)	64	0.02	0.00	0.00	0.02	5.00	-	-	5.00	4.98	
98	Automation of 5 no. 220 kV Sub Stations	Schemes approved for STU (182 works) (1st MYT)	65	0.00	1.04	0.00	1.04	6.62	2.50	-	9.12	8.08	
99	132 kV S/S Tanda	Schemes approved for STU (182 works) (1st MYT)	66	0.24	0.28	0.06	0.59	0.50	-	-	0.50	-0.09	There has been a minor increase in the actual expenditure from the estimates which were made during the submission of MYT Plan for the Control Period.

Sr No.	MYT Name of Work	MYT Approval Sub Group	MYT Work Serial No.	Actual CAPEX during FY 2020-21	Actual CAPEX during FY 2021-22	Actual CAPEX during FY 2022-23	Total - Actual Expenditure for FY 2020-2023	Approved by PSERC for FY 2020-21	Approved by PSERC for FY 2021-22	Approved by PSERC for FY 2022-23	Total Approved expenditure by commission - for FY 2020-23	Variances	Justifications
100	220 kv Nurmehal	Schemes approved for STU (182 works) (1st MYT)	69	0.01	0.02	0.00	0.03	1.73	-	-	1.73	1.70	
101	LILO of 2nd ckt. of 400 kv S/S PGCIL Jalandhar-220 kv S/S Kotla Jagan (Nakodar) line at 220 kv S/S Kartarpur	Schemes approved for STU (182 works) (1st MYT)	70	0.74	0.25	0.00	0.99	1.40	-	-	1.40	0.41	
102	220 kv S/S Bajakhana	Schemes approved for STU (182 works) (1st MYT)	71	0.00	0.00	0.00	0.00	2.96	-	-	2.96	2.96	
103	Power System Development Fund (PSDF) scheme for second source of Battery at 220 and 132 kv S/stn,(90% funding Under PSDF, 10% amount accounted for in FY 2017-18	Schemes approved for STU (182 works) (1st MYT)	72	0.00	0.00	1.14	1.14	1.53	-	-	1.53	0.39	
104	132 kv S/Stn Malout	Schemes approved for STU (182 works) (1st MYT)	74	-0.04	0.00	0.00	-0.04	0.30	-	-	0.30	0.34	
105	LILO of 220 kv line from 220 kv S/Stn Himmatpura to 220 kv S/Stn Jagraon at 220 kv S/Stn Ajitwal.	Schemes approved for STU (182 works) (1st MYT)	77	1.60	0.06	0.02	1.68	2.23	-	-	2.23	0.55	
106	220 kv S/Stn Ajitwal	Schemes approved for STU (182 works) (1st MYT)	78	0.01	0.10	0.00	0.11	2.60	-	-	2.60	2.49	
107	220 kv S/Stn Ferozepur Rd. Ludhiana	Schemes approved for STU (182 works) (1st MYT)	80	0.00	0.00	0.02	0.02	0.39	-	-	0.39	0.37	
108	220 kv S/Stn Majitha	Schemes approved for STU (182 works) (1st MYT)	82	0.00	0.00	0.00	0.00	0.39	-	-	0.39	0.39	
109	220 kv S/Stn Wadala Granthian	Schemes approved for STU (182 works) (1st MYT)	83	0.00	0.00	0.00	0.00	0.39	-	-	0.39	0.39	
110	220 kv S/Stn Bangan	Schemes approved for STU (182 works) (1st MYT)	84	0.15	0.00	0.00	0.15	0.39	-	-	0.39	0.24	
111	220 kv S/Stn Patran	Schemes approved for STU (182 works) (1st MYT)	85	0.05	0.09	0.00	0.14	0.39	-	-	0.39	0.25	
112	220 kv S/Stn Jadla (U/G from 132 kv)	Schemes approved for STU (182 works) (1st MYT)	86	-0.02	0.00	0.00	-0.02	1.50	-	-	1.50	1.52	
113	132 kv S/S Phillaur	Schemes approved for STU (182 works) (1st MYT)	87	0.01	0.00	0.00	0.01	0.30	-	-	0.30	0.29	
114	220 kv S/S Rashiana	Schemes approved for STU (182 works) (1st MYT)	88	0.15	0.00	0.00	0.15	0.47	-	-	0.47	0.32	

Sr No.	MYT Name of Work	MYT Approval Sub Group	MYT Work Serial No.	Actual CAPEX during FY 2020-21	Actual CAPEX during FY 2021-22	Actual CAPEX during FY 2022-23	Total - Actual Expenditure for FY 2020-2023	Approved by PSERC for FY 2020-21	Approved by PSERC for FY 2021-22	Approved by PSERC for FY 2022-23	Total Approved expenditure by commission - for FY 2020-23	Variances	Justifications
115	220 kV S/S Sahnewal	Schemes approved for STU (182 works) (1st MYT)	90	1.40	0.92	0.09	2.41	0.50	1.70	-	2.20	-0.21	There has been a minor increase in the actual expenditure from the estimates which were made during the submission of MYT Plan for the Control Period.
116	132 kV Jamalpur-Moga line Ckt. No. 1	Schemes approved for STU (182 works) (1st MYT)	91	0.00	0.35	0.52	0.88	0.91	-	-	0.91	0.03	
117	220 kV Talwandi Sabo	Schemes approved for STU (182 works) (1st MYT)	93	0.00	0.00	0.00	0.00	0.39	-	-	0.39	0.39	
118	220 kV Talwandi Sabo	Schemes approved for STU (182 works) (1st MYT)	94	0.13	0.00	0.00	0.13	0.32	-	-	0.32	0.19	
119	Water content measurement kit	Schemes approved for STU (182 works) (1st MYT)	98	0.15	0.00	0.00	0.15	0.06	-	-	0.06	-0.09	There has been a minor increase in the actual expenditure from the estimates which were made during the submission of MYT Plan for the Control Period.
120	Air conditioning of S/Stn's	Schemes approved for STU (182 works) (1st MYT)	99	0.01	0.14	0.01	0.15	0.30	0.15	0.15	0.60	0.45	
121	Replacement of conductor of 220 kV line from 400 kV S/Stn Ludhiana to 220 kV S/Stn Lalton Kalan (2nd ckt) with HTLS conductor	Schemes approved for STU (182 works) (1st MYT)	106	0.00	0.00	0.00	0.00	0.80	-	-	0.80	0.80	
122	220 kV S/Stn Bajakhana	Schemes approved for STU (182 works) (1st MYT)	108	0.02	0.00	0.00	0.02	2.29	6.52	-	8.81	8.79	
123	220 kV S/Stn Jamsher	Schemes approved for STU (182 works) (1st MYT)	109	0.03	0.00	0.00	0.03	2.29	6.52	-	8.81	8.78	
124	220 kV S/Stn Ghubaya	Schemes approved for STU (182 works) (1st MYT)	110	0.14	0.03	0.00	0.17	2.29	6.52	-	8.81	8.64	
125	220 kV S/Stn Talwandi Bhai	Schemes approved for STU (182 works) (1st MYT)	111	0.00	0.00	0.00	0.00	1.93	1.29	1.72	4.94	4.94	
126	220 kV S/Stn Chogawan	Schemes approved for STU (182 works) (1st MYT)	112	-0.10	0.11	0.01	0.02	2.90	6.94	-	9.84	9.82	
127	220 kV S/Stn Badal	Schemes approved for STU (182 works) (1st MYT)	113	0.01	0.00	0.00	0.01	2.33	4.88	-	7.21	7.20	
128	220 kV S/Stn Dasuya	Schemes approved for STU (182 works) (1st MYT)	114	0.19	7.66	0.26	8.11	0.16	4.05	-	4.21	-3.90	The cost intimated in MYT is tentative in nature. The actual cost is incurred as per detailed engineering and the cost of the material at the time of work & Cost also increased due to cost escalation.
129	220 kV S/Stn Badhni Kalan (U/G from 132 kV)	Schemes approved for STU (182 works) (1st MYT)	115	0.01	0.00	0.00	0.01	0.50	3.24	-	3.74	3.73	

Sr No.	MYT Name of Work	MYT Approval Sub Group	MYT Work Serial No.	Actual CAPEX during FY 2020-21	Actual CAPEX during FY 2021-22	Actual CAPEX during FY 2022-23	Total - Actual Expenditure for FY 2020-2023	Approved by PSERC for FY 2020-21	Approved by PSERC for FY 2021-22	Approved by PSERC for FY 2022-23	Total Approved expenditure by commission - for FY 2020-23	Variances	Justifications
130	220 kV S/Stn Banga (U/G from 132 kV)	Schemes approved for STU (182 works) (1st MYT)	116	10.72	0.25	0.01	10.99	3.68	4.51	-	8.19	-2.80	The cost intimated in MYT is tentative in nature. The actual cost is incurred as per detailed engineering and the cost of the material at the time of work & Cost also increased due to cost escalation.
131	LILO of both ckts of 220 kV S/Stn Jamalpur - 220 kV S/Stn Dhandari Kalan-I line at 220 kV S/Stn Sherpur (Focal Point)	Schemes approved for STU (182 works) (1st MYT)	121	0.01	0.01	0.11	0.12	0.20	1.00	3.00	4.20	4.08	
132	Replacement of conductor of 220 kV line from 400 kV S/Stn Ludhiana to 220 kV S/Stn Lalton Kalan (1st ckt) with HTLS conductor	Schemes approved for STU (182 works) (1st MYT)	122	0.00	0.00	0.00	0.00	0.42	0.38	-	0.80	0.80	
133	220 kV S/Stn Mansa - 220 kV S/Stn Budhlada DC Line	Schemes approved for STU (182 works) (1st MYT)	124	-0.06	0.00	0.00	-0.06	1.00	7.21	10.01	18.22	18.28	
134	220kV S/S Alawalpur	Schemes approved for STU (182 works) (1st MYT)	125	2.14	0.34	0.04	2.52	0.74	3.00	-	3.74	1.22	
135	220 kV S/S Patran	Schemes approved for STU (182 works) (1st MYT)	126	0.16	0.11	0.00	0.28	0.54	-	-	0.54	0.26	
136	220 kV S/S Baghapurana	Schemes approved for STU (182 works) (1st MYT)	127	0.34	0.02	0.00	0.35	1.08	2.00	-	3.08	2.73	
137	(i) 400 kV Bays (ii) 220 kV Bays at 400 kV S/Stn Doraha	Schemes approved for STU (182 works) (1st MYT)	130	0.61	-0.14	0.00	0.46	0.50	1.03	5.00	6.53	6.07	
138	220 kV Banur-Mohall (GMADA) DC line	Schemes approved for STU (182 works) (1st MYT)	131	-0.01	0.00	0.00	-0.01	0.20	0.20	1.00	1.40	1.41	
139	220 kV DC line from 400 kV Grid near Doraha to 220 kV Kohara	Schemes approved for STU (182 works) (1st MYT)	134	-0.01	0.00	0.00	-0.01	0.20	0.50	2.00	2.70	2.71	
140	220 kV Bays (2Nos. at 220 kV Ikolaha, 2 Nos. at Doraha, 2Nos. at Kohara and 6 Nos. at 400 kV Grid new Doraha (220 kV bus))	Schemes approved for STU (182 works) (1st MYT)	135	0.00	0.00	0.00	0.00	0.50	0.50	3.00	4.00	4.00	
141	LILO of 220 kV S/Stn Mansa - Sunam (SC) at 400 kV S/Stn Patran (220 kV bus).	Schemes approved for STU (182 works) (1st MYT)	136	-0.34	0.00	0.00	-0.34	0.50	0.34	21.64	22.48	22.82	
142	Addition of bays/system strengthening required on account of RE generation	Schemes approved for STU (182 works) (1st MYT)	140	0.20	0.08	0.00	0.28	4.00	-	-	4.00	3.72	
143	Replacement of 11 kV VCBs with SCADA Complaint VCBs at various sub stations in the city of Ludhiana, Jalandhar & Amritsar	Schemes approved for STU (182 works) (1st MYT)	141	0.04	0.00	0.17	0.21	10.00	-	-	10.00	9.79	

Sr No.	MYT Name of Work	MYT Approval Sub Group	MYT Work Serial No.	Actual CAPEX during FY 2020-21	Actual CAPEX during FY 2021-22	Actual CAPEX during FY 2022-23	Total - Actual Expenditure for FY 2020-2023	Approved by PSERC for FY 2020-21	Approved by PSERC for FY 2021-22	Approved by PSERC for FY 2022-23	Total Approved expenditure by commission - for FY 2020-23	Variances	Justifications
144	220 kV DC line from 220 kV S/Stn Gaunagarh to 220 kV S/Stn Ladhawal.	Schemes approved for STU (182 works) (1st MYT)	143	7.33	3.58	0.00	10.91	-	2.00	12.40	14.40	3.49	
145	220 kV S/Stn Alawalpur	Schemes approved for STU (182 works) (1st MYT)	144	0.33	8.76	0.22	9.30	-	2.33	4.88	7.21	-2.09	The cost intimated in MYT is tentative in nature. The actual cost is incurred as per detailed engineering and the cost of the material at the time of work & Cost also increased due to cost escalation.
146	220 kV S/Stn Maur	Schemes approved for STU (182 works) (1st MYT)	145	0.01	0.05	0.00	0.06	-	2.33	4.88	7.21	7.15	
147	220 kV Sahnewal	Schemes approved for STU (182 works) (1st MYT)	146	0.00	0.00	0.00	0.00	-	1.29	7.52	8.81	8.81	
148	220 kV S/Stn Kharar	Schemes approved for STU (182 works) (1st MYT)	147	-0.03	0.00	0.00	-0.03	-	2.44	1.63	4.07	4.10	
149	220 kV S/Stn Lalru	Schemes approved for STU (182 works) (1st MYT)	148	0.00	1.41	0.00	1.41	-	1.29	7.52	8.81	7.40	
150	220 kV S/Stn Tibber	Schemes approved for STU (182 works) (1st MYT)	149	0.09	6.64	1.88	8.61	-	2.33	4.68	7.01	-1.60	The cost intimated in MYT is tentative in nature. The actual cost is incurred as per detailed engineering and the cost of the material at the time of work & Cost also increased due to cost escalation.
151	220 kV S/Stn Udhoke	Schemes approved for STU (182 works) (1st MYT)	150	0.46	1.14	-0.22	1.39	-	1.94	7.90	9.84	8.45	
152	220 kV S/Stn Hoshiarpur	Schemes approved for STU (182 works) (1st MYT)	151	0.04	0.00	0.00	0.04	-	1.90	7.94	9.84	9.80	
153	Addition of bays/system strengthening required on account of RE generation	Schemes approved for STU (182 works) (1st MYT)	155	1.34	0.21	0.04	1.59	-	4.00	-	4.00	2.41	
154	132 kV Moga-II (Dhalleke)	Schemes approved for STU (182 works) (1st MYT)	157	0.00	0.00	0.00	0.00	-	0.30	-	0.30	0.30	
155	220 kV Sunam	Schemes approved for STU (182 works) (1st MYT)	159	0.01	0.00	0.00	0.01	-	0.39	-	0.39	0.38	
156	220 kV Banga	Schemes approved for STU (182 works) (1st MYT)	160	0.03	0.00	0.00	0.03	-	0.39	-	0.39	0.36	
157	132 kV Pathankot	Schemes approved for STU (182 works) (1st MYT)	164	0.00	0.00	0.01	0.01	-	1.15	-	1.15	1.14	
158	220 kV Mohali	Schemes approved for STU (182 works) (1st MYT)	165	-0.11	0.00	0.00	-0.11	-	0.39	-	0.39	0.50	

Sr No.	MYT Name of Work	MYT Approval Sub Group	MYT Work Serial No.	Actual CAPEX during FY 2020-21	Actual CAPEX during FY 2021-22	Actual CAPEX during FY 2022-23	Total - Actual Expenditure for FY 2020-2023	Approved by PSERC for FY 2020-21	Approved by PSERC for FY 2021-22	Approved by PSERC for FY 2022-23	Total Approved expenditure by commission - for FY 2020-23	Variances	Justifications
159	220 kv S/Stn Jadla	Schemes approved for STU (182 works) (1st MYT)	167	0.98	1.21	0.04	2.22	-	-	4.33	4.33	2.11	
160	220 kv S/Stn Majitha	Schemes approved for STU (182 works) (1st MYT)	169	0.00	0.00	0.00	0.00	-	-	4.33	4.33	4.33	
161	132 kv S/Stn Pathankot	Schemes approved for STU (182 works) (1st MYT)	170	0.00	0.00	0.17	0.17	-	-	0.21	0.21	0.04	
162	132 kv IGC, Bathinda	Schemes approved for STU (182 works) (1st MYT)	171	0.08	0.00	0.00	0.08	-	-	0.18	0.18	0.10	
163	Aug/Strengthening of bus bars	Schemes approved for STU (182 works) (1st MYT)	172	0.19	0.02	0.00	0.21	-	-	5.00	5.00	4.79	
164	220 kv DC line from 400 kv Jalandhar (PGCIL) to 220 kv Kartarpur	Schemes approved for STU (182 works) (1st MYT)	180	0.00	0.00	0.00	0.00	-	-	5.01	5.01	5.01	
165	Un-foreseen emergency works	Schemes approved for STU (182 works) (1st MYT)	182	1.03	-0.30	0.10	0.84	-	5.00	5.00	10.00	9.16	
166	LILO of 220 kv Jadla - Jamsher SC line at 220 kv S/Stn Banga (Proposed)	Schemes approved for STU (182 works) (1st MYT)	117-118	0.54	0.02	0.00	0.56	2.00	5.36	0.00	7.36	6.80	
167	220 kv Abohar- Malout DC line	Schemes approved for STU (182 works) (1st MYT)	15	1.73	-0.23	3.25	4.75	10.00	-	-	10.00	5.25	
168	Const of Addl. 12.5 T/F 132 KV Ropar	Schemes approved for STU (182 works)	Amendment 20/2014-15	0.00	0.00	0.00	0.00				0.00	0.00	
169	E-2122-783-06529» 2021-22 Å» 12/CW/2021-22» construction of 1 no. additional 160 mva t/f plinth,conc. road and allied technical civil works at 220 kv/s Ladhawal	Schemes approved for STU (182 works) (1st MYT)	Amendment 62/2013-14	0.00	0.01	0.52	0.53				0.00	-0.53	
170	220 KV DC on DC line from 400KV S/S Balachak to 220KV S/S Naraingarh	Schemes approved for STU (182 works) (1st MYT)	Amendment No. 19/2012-17 issued by Dy CE Planning vide letted No. 485	0.03	0.00	0.00	0.03				0.00	-0.03	
171	220 kv sarna Kotli Surat Malli line (Abondened work)	Schemes approved for STU (182 works) (1st MYT)	Agenda 48/CE/TS dated 17.07.2019	-1.64	0.00	0.00	-1.64				0.00	1.64	
172	Procurement of additional RTUs for remaining/ upcoming substations of PSTCL	Schemes approved for SLDC (1st MYT)	1	2.33	0.80	0.38	3.52	3.10	4.05	5.65	12.80	9.28	
Total Spill Over (B)				96.21	135.25	109.05	340.52	473.12	383.01	230.26	1086.39	745.87	
Total Works (A + B)				122.44	278.27	352.31	753.02	762.18	766.64	616.67	2145.49	1392.47	

Note - The amounts mentioned against the MYT Sub Group - "Schemes approved for STU (182 works) (1st MYT)" & "Schemes approved for SLDC (1st MYT)" (in Column C) pertain to 1st Control Period i.e. from FY 2017-18 to FY 2019-20. These works are approved in CIP Plan of 1st MYT Control Period and approved amount against these works has been taken from 1st MYT Plan. These works were not carried forward as Spill Over Works in 2nd MYT Plan as the CIP plan for 2nd Control Period was filed on 20.08.2019, which was prior to completion of 1st MYT Control Period. Further, it was assumed that the works of 1st MYT Control Period will be completed by 31.03.2020. However, due to unavoidable reasons like COVID-19 & ancillary factors, these works could not be completed by 31.03.2020. Hence, Expenditure on these works continued to be incurred during 2nd Control Period and is being reported to Hon'ble Commission at the time of True up of 2nd Control Period.

Annexure B

Volatge wise NRSE Power upto FY 2024-25

Sr.No	Name of Project	Contracted Capacity (MW)	Evacuation Voltage Levels (KV)
	Source		
A	Solar (Intrastate)		
1	Abundant Energy Pvt. Ltd, Plant-I	2.00	11
2	Abundant Energy Pvt. Ltd, Plant-II	1.00	11
3	Acme Solar Rooftop system pvt. Ltd. Jhunir	15.00	66
4	Acme Solar Rooftop system pvt. Ltd. Nangla,Talwandi Sahib	15.00	66
5	Aditya Medisales Ltd., Lalpur, Hoshiarpur	4.00	66
6	Allianz Ecopower Pvt. Ltd., Boparai Kalan, Ludhiana	2.00	11
7	Aster Solar Power Pvt. Ltd., Jhunir, Mansa	1.00	11
8	Atma Powers Pvt. Ltd., Lakhewali, Mukatsar	2.00	11
9	Azure Power Makemake Pvt. Ltd. ,Bhittiwala	4.00	66
10	Azure Power Makemake Pvt. Ltd., Killianwali	24.00	66
11	Azure Power Pluto Pvt. Ltd. ,Bahadurgarh Jandia-1	25.00	66
12	Azure Power Pluto Pvt. Ltd. ,Bahadurgarh Jandia-2	25.00	66
13	Azure Power Pluto Pvt. Ltd. ,Korianwali	25.00	66
14	Azure Power Pluto Pvt. Ltd., Badal	15.00	66
15	Azure Power Pluto Pvt. Ltd.,Bahadurkhera	25.00	66
16	Azure Power Pluto Pvt. Ltd.,Bhittiwala	10.00	66
17	Azure Power Pluto Pvt. Ltd.,Vanwala	25.00	66
18	Azure Renewable Energy Pvt. Ltd., PSAMB, Mansa	0.63	11
19	Azure Renewable Energy Pvt. Ltd., Bhagwant singh & Kulwinder kaur, Kotla Fazal	0.55	11
20	Azure Renewable Energy Pvt. Ltd., Anil Singla Warehouse, Mukatsar	0.801	11
21	Azure Renewable Energy Pvt. Ltd., Vikas Singla Warehouse, Jodhpur Ramana, Bathinda	0.503	11
22	Azure Renewable Energy Pvt. Ltd., Boss Computers Ltd. Zirakpur	1.25	11
23	Azure Renewable Energy Pvt. Ltd., CA Veg Fruits, Kharar	0.599	11
24	Azure Renewable Energy Pvt. Ltd., Canam Cons.Morinda	1.60	11
25	Azure Renewable Energy Pvt. Ltd., PSAMB, Ludhiana	0.76	11
26	Azure Renewable Energy Pvt. Ltd.s, PSAMB, Mohali	2.05	11
27	Azure Renewable Energy Pvt. Ltd., Skyross,sangrur	1.26	11
28	Azure Urja Pvt. Ltd , 15 MW (Tahliwal jattan), Project-I	15.00	66
29	Azure Urja Pvt. Ltd , 15 MW (Sikhwala / Punjwa), Project-II	15.00	66
30	Azure Urja Pvt. Ltd , 4 MW (Sikhwala / Punjwa), Project-III	4.00	66
31	Bhanuenergy Industrial Development Ltd. (BIDL)	15.00	66

Volatge wise NRSE Power upto FY 2024-25

Sr.No	Name of Project	Contracted Capacity (MW)	Evacuation Voltage Levels (KV)
	Source		
32	Bhanuenergy Infrastructure Pvt. Ltd. (BIPL)	15.00	66
33	Canal Solar Energy Pvt. Ltd.	7.50	66
34	Carlill Energy Pvt. Ltd. , Bhagsar, Mukatsar	1.50	11
35	Continenrtal Engineering & Power Pvt. Ltd.	1.00	11
36	Earth Solar Pvt. Ltd., Behbalpur, Nabha	4.00	66
37	Enterprise Business Solutions Pvt. Ltd., Sahiba - Shadhra, SBS Nagar	1.50	11
38	Ecoenergy Inc., Boparai kalan, Ludhiana	1.00	11
39	Focal Energy Solar India Pvt. Ltd., Nangla, Bathinda	4.00	66
40	G.S.Atwal & Co (Engineers) Pvt. Ltd. , Bhuttiwal Mukatsar	1.50	11
41	IK Energy Pvt. Ltd.,Lallian Kalan, Jalandhar	1.00	11
42	International Switchgears Pvt. Ltd.,Ph-I, Ramdas, Amirtsar	1.00	11
43	International Switchgears Pvt. Ltd.,Ph-II, Ramdas, Amirtsar	1.00	11
44	JSSK Energy Pvt. Ltd.	1.00	11
45	Madhav Solar Pvt. Ltd-I, Boha, Mansa	2.00	11
46	Madhav Solar Pvt. Ltd-II, Boha, mansa	2.00	11
47	Magnet Buildtech Pvt. Ltd -I,Sherkawala	25.00	66
48	Magnet Buildtech Pvt. Ltd-II, Toderpur	25.00	66
49	Magnificent Power Pvt. Ltd.	1.00	11
50	Mihit Solar Power Pvt. Ltd., Jhandakalan	24.00	66
51	Mihit Solar Power Pvt. Ltd., Khera khurad	25.00	66
52	Mihit Solar Power Pvt. Ltd., Mankhera	25.00	66
53	Mokia Green Energy Pvt.Ltd., Boparai Kalan, Ludhiana	4.00	66
54	Mytrah Aadhya Power Pvt. Ltd.-Balran	25.00	66
55	Mytrah Aadhya Power Pvt. Ltd.-Bareta	25.00	66
56	Nextgen Solux Power Pvt. Ltd. , Jhunir, Mansa-II	1.00	11
57	Nextgen Solux Power Pvt. Ltd. , Mirpurkalan, Mansa-I	1.00	11
58	Northstar Solar Power Pvt. Ltd., Pathrala, Bathinda	4.00	66
59	Oasis Green Pvt. Ltd.	3.00	66
60	Omega infraengineers Pvt. Ltd.	1.00	11
61	Omega Solar Projects Pvt. Ltd., Sangatpur, Lehragara	10.00	66
62	PGL, Khatkar Kalan SPV	0.20	11
63	Phulokheri PEDDA SPV	1.00	11
64	Photon Sunbeam Pvt. Ltd.-I	15.00	66
65	Photon Sunbeam Pvt. Ltd.-II	25.00	66
66	PN Clean Energy Ltd., Lakhmirwala, Mansa	20.00	66
67	PN Renewable Energy Ltd.,Barre, Mansa	10.00	66
68	Prayatna Developers Pvt. Ltd.-I, Sardargarh	50.00	132
69	Prayatna Developers Pvt. Ltd.-II Chughekalan	50.00	132
70	Purshotam Industries Ltd.,Vill. Bajak, Bathinda	3.00	66
71	Radiant Solar Energies Pvt. Ltd.	3.00	66

Volatge wise NRSE Power upto FY 2024-25

Sr.No	Name of Project	Contracted Capacity (MW)	Evacuation Voltage Levels (KV)
	Source		
72	RSSB Educational & Environmental Society, Beas (New)	12.00	132
73	RSSB Educational & Environmental Society , Beas (Old)	7.52	132
74	SAM SOLAR Pvt. Ltd. Doraha, Canal top	2.50	11
75	SAM SOLAR Pvt. Ltd.Nidampur, Sangrur	2.50	11
76	Solairedirect Projects India Pvt. Ltd., Dharangwala, Fazilka	20.00	66
77	Solaire Power Pvt. Ltd. Usmankhera	24.00	66
78	Solaire Urja Pvt Ltd.	25.00	66
79	Soma Enterprises Ltd. , Khera Kalmout	1.00	11
80	Sovox Renewables Pvt. Ltd., Mehandipur	1.00	11
81	T R Energy & Agro Pvt. Ltd., Jandwala Mirsangla, Fazilka	2.00	11
82	T R Energy & Agro Pvt. Ltd., Vill. Pathrala, Fazilka II	1.00	11
83	Vector Green Sunshine Pvt. Ltd., Gamiwala Boha	20.00	66
84	Vector Green Surya Urja Pvt. Ltd.,Gamiwala, Boha, Mansa	20.00	66
85	Vijay Printing Press Pvt. Ltd.,Ghagar branch canal (Rooftop)	7.50	66
86	Vivaan Solar Pvt. Ltd., Bajak Bathinda	2.00	11
87	Walwhan Solar Punjab Ltd.-I, Tiona pujarian,	20.00	66
88	Walwhan Solar Punjab Ltd.-II, Jagaram tirath,	10.00	66
89	Walwhan Solar Punjab Ltd.-III, Jagaram Tirath	2.00	11
90	Walwhan Solar Punjab Ltd.- IV, Tiona pujarian,	4.00	66
	i) Total Solar (Intrastate)	884.22	
B	Co Generation		
a	Bagasse (Co-gen)		
1	A.B. Sugars Ltd	20.00	66
2	Chadha Sugars & Ind. Ltd.	20.50	66
3	Indian Sucrose Ltd	30.00	66
4	Nawanshahar Power Pvt. Ltd.	13.50	66
5	Rana Sugars Ltd (34MW)	20.00	66
6	Wahid Sandhar Sugars Ltd.	7.00	33
7	The Bhogpur Co-op Sugar Mills Ltd.	8.54	66
	Total co-gen Bagasse	119.54	
b	Biomass (Co-gen)		
1	A.B. Grains Spirits Pvt. Ltd.	3.00	66
2	Chandigarh Distillers & Bottlers Ltd. (8.25 MW)	5.00	66
3	Chandigarh Distillers & Bottlers Ltd. (3.9 MW)	2.50	66
4	N.V. Distilleries & Breweries Pvt. Ltd.	6.00	66
5	Shree Ganesh Edibles Pvt. Ltd. (New PPA)	4.00	66
	Total Co-Gen Biomass	20.50	
	Total Cogen Bagasse+Biomass	140.04	

Volatge wise NRSE Power upto FY 2024-25

Sr.No	Name of Project	Contracted Capacity (MW)	Evacuation Voltage Levels (KV)
	Source		
C Biomass/IPP			
1	Dee Development Engineers Pvt. Ltd	8.00	66
2	Green Planet Energy Pvt. Ltd., BirPind	6.00	66
3	Green Planet Energy Pvt. Ltd., Binjon (Rankine cycle)	6.00	66
4	Green Planet Energy Pvt. Ltd., Manuke	6.00	66
5	Malwa Power Pvt.Ltd	6.00	66
6	Sukhbir Agro Energy Ltd. (Ferozepur)	18.00	132
7	Sukhbir Agro Energy Ltd. (Jaito)	18.00	66
8	Universal Biomass Energy Pvt. Ltd.	14.50	132
9	Viaton Energy Pvt. Ltd.	10.00	66
	Total Biomass/IPP	92.50	
D Waste to energy			
1	Hebowal Biomethanation LDH	1.00	11
	Total Waste to energy	1.00	
E Biogas			
1	Green Planet Energy Pvt. Ltd, Binjon export (ootto cycle)	4.00	66
2	Sampuran Agri Ventures Ltd.	0.70	11
	Total Biogas	4.70	
F Mini Hydrel			
a Aqua Power Plant Ltd.			
1	Chakbhai MHP	2.00	11
2	Lohgarh	2.00	11
3	Sidhana	1.20	11
	Aqua Power Plant Ltd. Total	5.20	
b Abohar Power Generation Pvt. Ltd.			
1	Gholia MHP	0.80	11
2	Channuwal MHP	0.90	11
3	Akhara MHP	1.10	11
4	Khanpur	1.10	11
5	Sudhar	1.40	11
	Abohar Power Generation TOTAL	5.30	
c Kotla Hydro Ltd			
1	Babanpur MHP	1.25	11
2	Killa	1.75	11
3	Sahoke	1.20	11
	Kotla Hydro Ltd.Total	4.20	
d Individual hydrel Plant			
1	Atlantic Power Pvt. Ltd.(Phoola)	0.60	11
2	Atlantic Power Pvt. Ltd. (Nakkian))	0.30	11

Volatge wise NRSE Power upto FY 2024-25

Sr.No	Name of Project	Contracted Capacity (MW)	Evacuation Voltage Levels (KV)
	Source		
3	Atlantic Power Pvt. Ltd. (Terkiana)	0.65	11
4	Atlantic Power Pvt. Ltd. (Terkiana) PSPCL Free energy share	0.00	11
5	Gill Aqua Hydro Power Generation Co. Pvt. Ltd. - MBL-II	6.00	66
6	Gill Aqua Hydro Power Generation Co. Pvt. Ltd. - MBL-III	3.80	66
7	Gill Power Geneartion Co. (P) Ltd.	2.70	11
8	Himalayan Renewable Energy Pvt. Ltd.	0.60	11
9	Kotla Renewables Pvt. Ltd. Daudhar	1.50	11
10	Kotla Renewables Pvt. Ltd. Nidampur	0.80	11
11	Kotla Renewables Pvt. Ltd. Thuhi	0.80	11
12	Majha Canal Hydro Project Pvt.Ltd.Udhanwal	0.65	11
13	P & R Gurdittiwala Hydro Power Pvt. Ltd.	2.00	11
14	Preetek Power Pvt. Ltd. (Tugalwal)	0.85	11
15	Sam India Hydro Power Pvt. Ltd.	1.20	11
16	Sidhwan Hydro Power Pvt. Ltd.	0.70	11
17	SKR Hydro Power Generators Pvt. Ltd.	0.40	11
18	UBDC Hydro Company	2.00	11
19	Preetek Power Pvt. Ltd. (Kalabal)	0.80	11
20	Hydro Energy & Infrastructure	0.25	11
21	Salasar Hydro Urja Pvt. Ltd.	1.50	11
	Individual Hydrel Total	28.10	
e	Punjab Genco Ltd.		
1	Narangwal MHP	1.50	11
2	Dalla MHP	1.00	11
3	Tugal MHP	1.50	11
4	Chupki MHP	1.50	11
5	Khatra MHP	1.00	11
6	Kanganwal MHP	1.30	11
7	Bowani MHP	1.00	11
8	Jagera MHP	1.00	11
	Total PGL	9.80	
	Total Mini Hydrel	52.60	
	Upcoming Solar NRSE within Punjab		
1	SAEL Solar Solutions Pvt Ltd (50 MW)	50.00	66
2	SJVN Green Energy Limited (SGEL) (100 MW)	100.00	66
3	4x4 Scheme (PEDA) (4 MW)	4.00	66
4	SGELwithin Punjab (200 MW)	200.00	220
	Total	354.00	
	Upcoming Non-Solar NRSE within Punjab		
1	M/s SAEL Limited (Jalkheri Project)	10.00	66
2	M/s KAMMA Gear Flywheel Pvt. Ltd.	1.00	11

Volatge wise NRSE Power upto FY 2024-25

Sr.No	Name of Project	Contracted Capacity (MW)	Evacuation Voltage Levels (KV)
	Source		
3	M/s OM SONS Marketing Pvt. Ltd., Village sangat Kalan, Distt. Bathinda	3.00	11
4	The Gurdaspur Co-operative Sugar Mills Ltd., Gurdaspur	20.60	66
5	The Batala Co-operative Sugar Mills Ltd., Batala	8.45	11
6	M/s Thind Power Ltd.,	2.00	11
	Total	45.05	
	NRSE Solar Power Within Punjab	1238.22	
	NRSE Non Solar Power Within Punjab	335.89	
	Total NRSE Power Within Punjab	1574.11	
	NRSE Power Purchase Within Punjab		
	At 11 KV	110.65	
	At 33 KV	7	
	At 66 KV	1104.44	
	At 132 KV and above	352.02	
	Total NRSE Power Purchase within Punjab	1574.11	

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PUNJAB STATE TRANSMISSION CORP LTD.
Regd. Office: PSEB Head Office, The Mall, Patiala – 147001
Corporate Identity Number U40109PB2010SGC033814
PUNJAB STATE LOAD DISPATCH CENTRE
OFFICE OF Dy.CE/SLDC(Op.)
SLDC Building, 220KV Grid Sub-Station, Ablowal, (Patiala) – 147001.
Email: se-sldcop@pstcl.org Mob : 96461-18004

To

CAO/F&A,
PSTCL, Patiala.

Memo No: 11

Dated: 8/11/2024


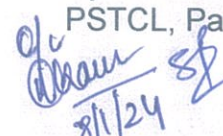
Subject: Petition for approval of True-up of capital expenditure for 2nd MYT Control Period i.e. from FY 2020-21 to FY 2022-23 and True up of ARR for FY-2022-2023. Deficiencies thereof.

Ref: PSERC order dated 02.01.2024 in Petition No. 63 of 2023.

The reply/clarification to Point no. 4 of the PSERC order dated 02.01.2024 is as below:

In FY 2022-23, the energy imported at PSTCL-PSPCL boundary points (T-D) is 662MUs which includes energy imported at 11kV/66kV voltage level of 220/66kV, 132/66kV, 132/11kV transformers and independent lines (of 220kV or 132kV voltage level) connected to PSTCL Substations. The RE energy not directly consumed at 66/11kV voltage level of PSPCL is received at PSTCL's network through 220/66kV, 132/66kV, 132/11kV transformers and this energy gets exported to PSPCL through some PSTCL-PSPCL boundary points. The energy from RE generators connected at 132kV voltage level is received through PSTCL network which gets exported to PSPCL through some PSTCL-PSPCL boundary points.

Accordingly, during reconciliation of total energy received at Punjab periphery as per PSTCL data with PSPCL energy availability report, 662 MUs of RE energy imported at T-D Boundary points which also includes 365MUs of energy imported at 132kV level is deducted from NRSE power purchase of 2216MUs, in order to avoid doubling of NRSE energy.


8/11/24
Dy.CE/SLDC(Op.),
PSTCL, Patiala.

8/1/24 SF