



**PUNJAB STATE TRANSMISSION CORPORATION LIMITED**

Regd. Office: PSEB Head Office, The Mall Patiala-147001, Punjab, India.

Corporate Identity Number: U40109PB2010SGC033814 ([www.pstcl.org](http://www.pstcl.org))

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To

**The Secretary,**  
**Punjab State Electricity Regulatory Commission,**  
**SCO No. 220-221, Sector-34-A,**  
**Chandigarh.**

Memo No. 2986 /FA/APR-2 A/2018-19  
Dated: 18-12-2018

**Subject: Petition for True up of FY 2017-18, Annual Performance Review (APR) of FY 2018-19 and determination of Tariff for FY 2019-20: Deficiencies thereof.**

Please refer to your office memo no. PSERC/M&F/2248 dated 11.12.2018 vide which the deficiencies in the subject cited Petition were intimated.

Enclosed please find herewith 12 no. copies of the reply to deficiencies as desired vide your above referred letter and draft public notice as desired.

DA/As above

  
CAO (Finance & Audit),  
PSTCL, Patiala.

## REPLY TO DEFECIENCIES

### FINANCIAL

1. Regarding the True-Up of FY 2017-18, kindly submit the following:
  - a) The comments of Comptroller and Auditor General of India on Annual Accounts of FY 2017-18.
  - b) Cost Accounts and Cost Audit Report for FY 2017-18

#### **PSTCL's Reply:**

The comments of C&AG on Annual Accounts of FY 2017-18 and Cost Accounts and Cost Audit Report for FY 2017-18 will be submitted later.

### 2. Revised Estimated for FY 2018-19:

During the true-up of FY 2017-18, PSTCL had shown an addition (net of land and land rights) of Rs.496.56 crore for Transmission Business and Rs.3.88 crore for SLDC Business to Gross Fixed Assets due to capitalization of assets during FY 2016-17.

The Commission vide its letter No.1746 dated 29.12.2017 had called for the information relating to the assets capitalized during FY 2016-17. In reply, PSTCL vide letter no. 282/FA/Comml-23/Vol-V dated 29.01.2018 had supplied details of assets addition of Rs.496.56 crore during FY 2016-17. It was observed that PSTCL had also capitalized assets during FY 2016-17 pertaining to the previous years. PSERC vide its letter No. 2421/PSERC/Dir./M&F dated 07.03.2018 had called for the reasons for not capitalizing the assets pertaining to previous years during the respective year of its commissioning. PSTCL vide its Memo No.698 dated 09.03.2018 had intimated that the requisite information shall be supplied as soon as it is available. The said details are still not provided by PSTCL. Kindly furnish the requisite details.

#### **PSTCL's Reply:**

The details as desired by the Hon'ble Commission are attached as the Annexure A of this document.

### 3. Capital expenditure:

During the year 2017-18, PSTCL has claimed actual capital expenditure of Rs.352.51 crore for Transmission Business and Rs.1.59 crore for SLDC Business, however, the Commission has approved Capital Expenditure / Investment Plan of Rs.328.29 crore for Transmission Business and Rs.10 crore for SLDC Business

vide Order dated 13.12.2017 (in Petition No.44 of 2016). In this regard, relevant extract of Regulation 9 of MYT Regulations is reproduced below for reference:

*“9.8. In the normal course, the Commission shall not revisit the approved capital investment plan during the control period. However, during the Annual Performance Review, the Commission shall monitor the year wise progress of the actual capital expenditure incurred by the Applicant vis-à-vis the approved capital expenditure.*

*9.9. In case the capital expenditure is required for emergency work which has not been approved in the capital investment plan, the respective Applicant shall submit an application (containing all relevant information along with reasons justifying emergency nature of the proposed work) seeking approval by the Commission...”*

As required by Regulation 9, PSTCL has not filed any application for approval of additional capital expenditure and has claimed a capital expenditure of Rs.352.51 crore for Transmission Business against approved capital expenditure of Rs.328.29 crore. Similarly, PSTCL has claimed capital expenditure of Rs. 303.93 crore for FY 2018-19 and Rs. 509.31 crore for FY 2019-20 for its transmission business and Rs. 12.21 crore for FY 2019-20 for SLDC business which is significantly higher compared to that approved by the Commission in its Capital Investment Plan Order in Petition No. 44 of 2016. As per the provisions of Regulation 9, PSTCL was required to file an application for approval of additional capital expenditure with detailed submissions, citing specific reasons. Kindly justify.

Further, kindly submit details of capital expenditure incurred (Rs.352.51 crore for Transmission Business and Rs.1.59 crore for SLDC Business) in line with the scheme wise / project wise expenditure approved by the Commission in Order dated 13.12.2017.

**PSTCL's Reply:**

PSTCL submits that it has already provided details of Capital Expenditure incurred for FY 2017-18 in line with the capital expenditure approved in Order dated 13.12.2017 in Annexure II of the Petition.

The work-wise justification for actual expenditure incurred vis-à-vis capital expenditure approved will be submitted subsequently.

As regards Capital Expenditure for FY 2018-19 and FY 2019-20, PSTCL, in its Petition dated November 30, 2018, has prayed to the Hon'ble Commission for approval of additional Capital Expenditure for respective years. Also, a separate prayer has been made for approval of revised capital expenditure. Therefore, PSTCL requests the Hon'ble Commission that present Petition may kindly be

considered as an application for approval of additional Capital Expenditure for FY 2018-19 and FY 2019-20.

#### **4. Employee Cost for FY 2017-18**

PSTCL has claimed Other Employee Cost for FY 2017-18 based on employee cost of Rs. 215.90 Crore for Transmission Business of FY 2016-17 after adding capitalized employee cost of Rs. 43.43 Crore as per Audited Annual Accounts for FY 2017-18. In this regard, kindly justify the expenditure based on the actual employee strength involved in capital works, normal and maintenance works.

#### **PSTCL's Reply:**

PSTCL in its Petition has submitted Other Employee cost for FY 2017-18 based on actual Gross Employee Cost for FY 2016-17. The capital expenditure and capitalisation varies from year to year based on the capital works in progress. Hence, the consideration of Gross Employee cost would be the appropriate approach for transmission business. The Gross Employee cost includes cost towards the total employees working in projects, maintenance services, support services and head office.

For computation of Other Employee cost, PSTCL has considered the Gross Employee cost of Rs. 222.32 Crore for FY 2016-17, after adding employee cost capitalised of Rs. 43.43 Crore to Net Employee cost of Rs. 178.89 Crore. It is noted that the employee cost capitalised is 20% of the total Gross employee cost. This capitalised employee cost includes the salary cost for Employees working in TS Department and allocation of Corporate Office cost to TS Department.

Further, PSTCL submits the details of actual regular employee strength as on 31.03.2018 is shown in the following Table:

Sr. No.	Department	Posted regular Employees (Nos.)
1	TS	568
2	P&M	2,152
3	SLDC	56
4	HSID	120
5	F&A	115
6	<b>Grand Total</b>	<b>3,011</b>

From the above Table, it is noted that TS department have 568 Nos. of employees posted, which are 19% of the total posted regular employees. This contribution of employees in TS Department is equivalent to contribution of capitalised employee cost. In view of the above, PSTCL submits that the approach for considering Gross Employee Cost as base is justified.

#### **5. Depreciation:**

As per MYT Regulations, Depreciation for generation and transmission assets shall be calculated annually as per straight line method over the useful life of the asset. Provided, that the total depreciation during the life of the asset shall not exceed 90% of the original cost. Also, the remaining depreciable value as on 31st March of the year closing after a period of 12 years from date of commercial operation / put in use of the asset shall be spread over the balance useful life of the asset. The details of depreciation be provided in light of the aforesaid regulation incorporating the following:

- a) Details may kindly be prepared head wise for all assets with further break up of each asset to account codes.
- b) The details may kindly be furnished separately for Transmission Business & SLDC Business

The said details may be provided for MYT Control Period (FY 2017-18 to FY 2019-20). For ease of understanding, the details may be provided as per the enclosed 'Format-1'.

#### **PSTCL's Reply:**

The details as desired by Hon'ble Commission for FY 2017-18 are attached as Annexure B to this document.

Further, PSTCL submits that the Depreciation for FY 2018-19 and FY 2019-20 has been claimed on the basis of projections addition of assets for the respective years and actual weighted average rate of depreciation for FY 2017-18. At this stage, it would not be possible to project the addition of assets as per different heads provided in the depreciation schedule. Therefore, PSTCL will submit the details desired by Hon'ble Commission for FY 2018-19 and FY 2019-20 at the time of True-up for the respective years, when Audited Annual Accounts for respective years are available.

6. It is observed that during FY 2017-18, an amount of Rs. 99.84 Crore is recorded under the head – Other Income (Note-25 of financials). Details of the same may kindly be provided.

**PSTCL's Reply:**

The details as desired by Hon'ble Commission are attached as Annexure C to this document.

**TECHNICAL**

7. The actual transmission loss for FY 2017-18 and FY 2018-19 (H1) submitted in Table 3 (page 19) and Table 28 (page 51) respectively is required to be got validated from PSPCL/SLDC.

**PSTCL's Reply:**

The actual transmission loss for FY 2017-18 and FY 2018-19 (H1) submitted in Table 3 (page 19) and Table 28 (page 51) respectively have been validated by SLDC and attached as Annexure D to this document.

8. The transmission system availability for FY 2018-19 (H1) submitted in Table 30 (page 53) is required to be got validated from SLDC.

**PSTCL's Reply:**

The SLDC certificate for the actual Transmission system availability for FY 2018-19 (H1) is attached as Annexure E to this document.


**9. Transmission System Capacity**

- I. Detailed calculation of transmission system capacity for FY 2018-19 and FY 2019-20 required to be submitted.
- II. In Table 27 for transmission system capacity for FY 2018-19 and FY 2019-20, the capacities of NRSE private projects has been taken into account while calculating the transmission capacity of PSTCL. The NRSE projects are generally connected with on 11/66 kV substations, which is beyond the scope of PSTCL. As such, the transmission system capacity needs to be reviewed.

**PSTCL's Reply:**

- a) The detailed calculation of transmission system capacity for FY 2019-20 has already been submitted in PSTCL's Petition dated November 30, 2018, as a part of Regulatory Formats. However the revised detailed calculation of transmission system capacity without NRSE Projects for FY 2018-19 & 2019-20 is attached herewith as Annexure F to this document.

b) PSTCL submits that, at this stage, the details of NRSE projected connected to 11/66 kV substations are not available. The transmission capacity towards these projects have been excluded for computation of Transmission System Capacity being submitted as above.

  
Chief Accounts Officer (F&A)  
PSTCL, Patiala

## Annexure A

Sr. no.	Name of the asset	Amount of the date of completion	Amount of the date of capitalization	date of completion	interest during construction (IDC) upto date of completion	interest during construction (IDC) from date of completion to the date put to use	whether the interest as per column (VI) has been claimed in ARR as interest on long term loan in previous years
	I	II	III	IV	V	VI	VII
1	Strengthening of 220 KV Line Malerkotla-Dhuri	3685496	3685496	31-03-16	620747	0	NA
2	400 KV D/C Line from Rajpura TPP to Rajpura S/S	72800000	172800000	17-06-13	21963925	0	
3	400 kv D/C Line from Rajpura S/S to Bhalwan(Dhuri) S/S	1328100000	1415062315	17-06-13	179144832	5650239	Yes
4	400 kv Rajpura Nakodar line	1700133842	164303049	04/01/2014	205307		NA
5	LILO of 220kv Jamsher-Sultanpur Line at Badshahpur Line	40942739	40942739	27/01/2014	1554789	NIL	
6	Expenditure on Breakdown of 220kv S/Stn Goindwal Sahib to Sultanpur line	4271991	4271991	26/08/2014	901692	NIL	
7	Expenditure on a/c of Const. of 220kv Nakodar Noormehal Line	94031041	94031041	25/05/2014	18342224	NIL	
8	LILO of 132kv Nakodar-Urban Estate Phase-2 Jalandhar BBMB Line at 220kv S/Stn Kotla Jangan Line	24905501	24905501	25/03/2015	4873588	NIL	
9	Expenditure on a/c of Const. of 220kv Nakodar Kartarpur Line	207917255	207917255	22/03/2015	43831424	NIL	
10	Cont. of 220 kv Bala chak-Narian garh line	135904292	135904292	25/03/2016	19582827	NIL	



11	Cont. of 220 kv Patti-Algo kothi line	29093914	29093914	25/03/2015	5542197	NIL	
12	Cont of lilo of 220 kv Khasa-civil line for Chogava	30776339	30776339	06/07/2013	4021703	NIL	
13	220 KV Transmission Line	267249017	267249017	22/03/2016	81275848	NIL	
14	400Kv D/C Nakodar Makhu Line Expenditure for year 2015-16	749441252	749441252	27/06/2014	176615334	NIL	
15	Add: 20 MVA T/F and 66 KV Bay for Jogaralla at 220 KV S/S Mansa	11478478	16953868	02-08-14 & 16-01-15	2263356	38271	YES
16	Pro: Bus Bar Protection Panel at 220 KV S/S Dhandari Kalan	5147681	6162190	07/03/2014	297196	16816	
17	Add: 10/12.5 MVA T/F at 220 KV S/S Talwandi Sabo	3350226	6899398	01/07/2014	416175	227510	
18	2 No: 66 KV Bays for Thuliwal and Thikriwl at 220 KV Mehal Kalan	2823530	6885879	04/04/2013	39938	227961	
19	Add: 10/12.5 MVA T/F at 220 KV S/S Malout	8625278	10929779	10/11/2015	633883	94996	
20	1x100 MVA 220/132 KV T/F and 220 KV Bay at 220 KV Talwandi Bhai - 2	53972750	73223950	09/12/2013	3179871	1558363	
21	Add: 20 MVA T/F and S/G at 220 KV S/S Jhunir	14953837	17083679	05/11/2013	439566	318008	
22	Pro: 220 KV Bus Bar Protection Panel at 220 KV Ferozpur Road Ludhiana	2045310	3229164	18/03/2014	105693	63991	
23	Add: 20 MVA 66/11 KV T/F at 220 KV S/S Sahnewal	15765047	18308269	30/10/2014	830557	911105	
24	Pro: 220 KV Bus Bar Protection Panel at 220 KV S/S Doraha	1260146	1645682	17/04/2014	99876	50198	
25	66 KV Bay for PSIEC and Meharban at 220 KV S/S Gaunsgarh	4549101	5044946	18/05/2015	336467	50861	
26	Pro: Bus Bar Protection Panel at 220 KV S/S Kohara	1495952	1725140	25/03/2014	60086	16816	
27	Add: 12.5 MVA T/F at 220 KV S/S Himmatpura	6173151	7030557	16/07/2013	87475	3625	

28	2 no. 220 KV Bay from Talwandi Bhai at 220 KV S/S Dharmkot	17344006	38485080	16/03/2016	1558786	108323
29	220 KV Bay for Jagraon at 220 KV S/S Himmatpura	6990994	12718717	10/03/2015	979148	34227
30	Addl: 20 MVA T/F at 220 KV S/S Sadiq	12527128	16823757	06/09/2013	587972	146992
31	66 KV Bay for Jodhpur HPCL at 220 KV Talwandi Sabo	2421723	3190408	04/06/2015	242950	17771
32	Upgrad: From 66 KV to 220 KV S/S at Talwandi Sabo	78222373	83924921	05/09/2013	6476945	1619236
33	66 KV Outgoing Bay for Maur 220 KV S/S Talwandi Sabo	1222084	2313833	03/07/2015	142040	144550
34	Upgrad: From 66 KV to 220 KV S/S at Sandhwan	74707201	115407898	03/07/2014	4615948	1153394
35	Addl: 3rd 20 MVA T/F at 220 KV S/S Mehal Kalan	12793639	14112758	01/08/2012	648964	162240
36	2 No: Incoming Bay from 400 KV for Muktsar at 220 KV Ghubaya	6795635	13730274	17/03/2015	1349017	42765
37	66 KV Outgoing Bay for Arniwala from 220 KV S/S Malout	1568189	2469272	24/09/2015	162859	102367
38	2 No: 220 KV Bay for GNDTP Bathinda at 220 KV Muktsar	5256111	6090408	07/01/2016	280452	19263
39	Addl. 12.5 MVA 66/11 KV T/F & S/G at 220 KV Sandhwan	7622887	10181778	10/07/2015	78605	235815
40	Rep: of Damage 10/12.5 MVA 132/11 KV T/F with 20 MVA T/F at 220 KV S/S Ghulal	13727407	17745781	10/07/2014	818872	805535
41	Providing 8*1.361 MVAR 11 kV C/B at 220 kV S/S Gaunsgarh	2065659	2761486	158-12-15	195665	76203
42	2*1.361 MVAR 11 KV C/B at 220 KV S/S Dhandari Kalan	1356253	3102766	14/12/2015	96492	33507
43	2x10.860 MVAR 66 KV C/B at 220 KV S/S Kohara	5239994	7433238	23/01/2015	250403	0
44	2x10.860 MVAR 66 KV C/B at 220 KV S/S Muktsar Road Malout	3311736	5993288	15/09/2015	175926	45255

45	2x10.860 MVAR 66 KV C/B at 220 KV S/S Abohar	4682786	5177093	09/09/2015	328120	30221
46	2x10.860 MVAR 66 KV C/B at 220 KV S/S Talwandi Bhai	4893596	5832458	30/01/2015	372398	9188
47	2x10.860 MVAR 66KV C/B at 220 KV Talwandi Sabo	5828315	6398139	07/09/2015	425214	31562
48	2*1.361 MVAR 11 KV C/B at 220 KV S/S Talwandi Sabo	960299	2191458	31/03/2016	121286	15790
49	2x10.860 MVAR 66 KV C/B at 220 KV Mansa	5985190	6237684	27/08/2015	561411	29313
50	2x10.860 MVAR 66 KV C/B at 220 KV S/S Mehal Kalan	2993980	3420997	12/12/2014	232308	82564
51	4*1.361 MVAR 11 KV C/B at 132 Kv S/S Sehh	2553847	5174472	31/03/2016	286381	17681
52	Providing 2*1.361 MVAR 11 kv C/B at 132 kv S/S Swaddi Kalan	667167	1074274	20/10/2015	40463	28902
53	2x10.860 MVAR 66 KV C/B at 220 KV S/S Ghulal	5101021	6327240	21/08/2014	183978	325400
54	R/o 10/12.5MVA 132/11kV T/F with 132/11kV T/F at 132kV S/S Moga-II Dhalle Ke	2187400	4625316	29/04/2015	57641	165789
55	2nos. I/C Bay from 220kV S/S Bajakhana at 220kV Baghapurana	8381117	15997412	27/05/2015	1461807	139628
56	2nos. 66kV Bays for Sudhar at 220kV Pakhowal	2349926	4151876	02/07/2015	99646	298939
57	R/o dam. 11kV Breaker & S/G due to fire on dated 03.04.2015 at 220kV S/S Malout	2349926	6323218	01/05/2015	114440	167021
58	Addl. 100MVA 220/66kV T/F & S/G at 220kV Humbran	36263975	42019549	21/02/2014	2096942	575888
59	U/G from 132kV to 220kV S/S Dharamkot	88963359	113483770	01/07/2014	5560208	1554462
60	66kV Bay for Smalsar at 220kV S/S Baghapurana	2787638	7033890	01/12/2015	221979	50020
61	R/o 10/12.5MVA T/F with 20MVA at 220kV Abohar	13087526	20272785	23/07/2015	1012955	337652

62	1 no. 66kV Bay for Bhundari at 220kV Humbran	5657593	6494229	25/06/2015	42466	136175
63	U/G of 132kV to 220kV Badal	66106425	83903460	30/03/2015	4139712	320956
64	Add. 10/12.5MVA T/F 132/11kV at 132kV Sihora	3764453	10216466	10/02/2015	777487	156340
65	U/G 132kV to 220kV S/S Sadiq	85608146	96050191	30/07/2010	4210870	
66	U/G 132kV to 220kV S/S Abohar	55932946	108499872	21/03/2015	6419766	212580
67	1no. O/G Bay from 220kV S/S Abohar at 220kV Malout	7668007	16366544		827866	23203
68	220kV Malout bay at 220kV S/S Abohar	7006490	14108502		526430	147435
69	Add. 100MVA T/F and S/G at 220KV S/s Ghubaya	50259949	68427465	20/06/2015	4695142	187193
70	Add. 160MVA T/F at 220KV S/s Doraha	65608360	78881642	30/11/2014	4570284	2459927
71	2 no. 220kV Bay for Goindwaal Sahib at 220kV Botianwala	6865869	14215852	31/03/2015	587831	53428
72	Add. 10/12.5MVA T/F at 220KV S/s Pakhowal	5110166	14964796	30/12/2014	432434	397688
73	Rept. of 2*20MVA 132/11k.V T/F with 2*20 MVA 66/11 K.v T/f at 220 K.V Sadiq	11559753	26540606	06/03/2016	1731700	48525
74	Rept. of 16/20 MVA T/F with 20 MVA T/f at 220 K.V s/s Ferozpur Road Ludiana	17310789	15657978	15/07/2015	1456172	488156
75	Rept. of 10/12.5 MVA T/F with 20 MVA T/f at 132 K.V s/s Samadh Bhai	2937095	5249831	06/06/2015	139590	331967
76	Rept. of 16/20 MVA T/F with 20 MVA T/f at 132 K.V s/s Badal	17703715	21520779	02/01/2014	1079502	666803
77	Rept. of Dam. 10/12.5 MVA T/F with 10/12.5 MVA T/F at 132KV S/s Malout	14474398	16854318	20/06/2015	486338	1465681
78	66KV O/G Bay for Lohgarh Thakra at 132KV S/s Ferozpur	1760396	2735243	02/07/2015	66148	200886
79	2x1.361MVAR 11kV C/B at 132kV Bilaspur	1017683	2057614	31/03/2016	105016	6601
80	220kV Bus Bar Protection Panel at 220kV TWD Sabo	1352833	2927132	25/08/2015	103350	19570
81	220 Bajakhana	1606858	3122408	16/03/2014	126583	11215

82	220KV Mukatsar Sahib-Providing/Laying PCC flooring civil works	8492178	8492178	27.7.2015	2099572	0
83	220KV Sandhwan-Constg of Addl.20MVA 66/11KV TF plinth	1070627	1070627	31.03.2016	244789	0
84	220KV Kot Karor-Constg of 160MVA TF plinth	16006444	16006444	16.3.2015	4343339	0
85	220KV Dharamkot-Constg of Trench T-4 and culvert for 2nd circuit Talwandi Bhai	798657	798657	15.2.2015	198112	0
86	132KV Ferozeshah-Constg of 66KV 2nd circuit Line Bay for Lohgarh	328882	328882	20.7.2015	73531	0
87	220KV Sarna-Constg of Addl.100MVA TF plinth	2671996	2671996	15.1.2016	597399	0
88	220KV Katorewala-Constg 2nd circuit Arniwala Bay	530201	530201	2.2.2015	126304	0
89	132KV Sandhwan-Providing & supplying of fitting of 7No.Acs with stablizers	560153	560153	18.11.2015	125238	0
90	220KV Sandhwan-Supplying & fixing of concealed lights in main SHB	347883	347883	27.7.2015	77779	0
91	220KV Mahilpur-Constg of Addl.100MVA TF plinth	6378141	6378141	13.8.2015	1711216	0
92	220KV Gubhaya-Constg of Technical civil works A-Frame foundations for 100MVA TF	381592	381592	9.6.2015	85316	0
93	220KV Katorewala-Vonstg of Technical civil works for SGF for 400KV Mukatsar Bay & 220KV Abohar Bay	532771	532771	8.2.2016	119116	0
94	220KV Patti-Supporting foundations and allied civil works for 100MVA TF plinth	283933	283933	15.2.2016	63481	0

95	220KV Rashsiana-Constg of All Technical Civil Works	10017053	10017053	12.3.2011	0	0
96	220KV Dharamkot-Constg of All Technical civil works(U/G from 132KV to 220KV)	39404362	39404362	31.7.2014	7789295	0
97	220KV Sadiq-2No.220KV Bays & Bus Bar	4794209	4794209	25.4.2015	1302325	0
98	220KV Abohar-Constg of Addl.20MVA TF plinth	1539583	1539583	31.8.2015	418231	0
99	220KV Dharamkot-Fixing of Acs	520377	520377	21.7.2015	141879	0
100	220KV F.G.Churian-2No.Bays	1170259	1170259	2.4.2014	319066	0
101	220KV F.G.Churian-supporting structures	335401	335401	13.6.2015	91446	0
102	220KV Gubhaya-Constg of Addl. Foundations for 100MVA TF,66KV Capacitor Bank & Breakers foundations	857945	857945	09.06.2015	233915	0
103	220KV Rehana Jattan-Constg of PCC flooring 1:5:10	1286880	1286880	31.7.2013	84195	0
104	220KV Rehana Jattan-Constg of Addl.TF plinth	7371256	7371256	31.7.2014	1278657	0
105	132KV Moga-II-Constg of Addl.TF plinth	679039	679039	11.11.2014	185137	0
106	132KV Moga-Constg of Boundary wall	937091	937091	31.3.2016	255494	0
107	220KV Sandhwan-Earth filling	789080	789080	27.7.2015	215140	0
108	220KV Kanjli-Constg of All Technical civil works(U/G from 132KV to 220KV)	1472320	1472320	31.10.2013	342610	0
109	220KV Kanjli-Fixing of Acs	444985	444985	31.10.2013	103548	0
110	220KV Kanjli-Constg of Road and path with interlocking tiles	849614	849614	31.10.2013	197706	0
111	220KV Mastewal Interlocking tiles for foothpath	1854366	1854366	31.10.2013	431512	0

NA

112	132KV Focal point Jalandhar-Constg of All Technical civil works	17111074	17111074	31.7.2013	4398106	0
113	220KV Talwandi Bhai-Constg of PCC flooring 1:5:10	3265578	3265578	31.7.2013	759902	0
114	220KV Rehana Jattan-Constg of All Technical civil works(U/G from 132KV 220KV)	29788021	29788021	31.7.2013	3299639	0
115	220KV Rehana Jattan-Constg of PCC flooring 1:5:10	2091904	2091904	31.7.2013	486787	0
116	220KV Sarna-Constg of PCC flooring 1:5:10	1627266	1627266	1.8.2013	378666	0
117	220KV Sarna-Constg of 100MVA TF plinth	6816423	6816423	1.8.2013	1570168	0
118	220KV Raishiana-Constg of Capacitor Bank foundations	295292	295292	31.7.2013	84147	0
119	220KV Udhoke-Constg of PCC flooring 1:5:10	6774891	6774891	31.7.2013	1576521	0
120	220KV Udhoke-Fixing of Acs	418036	418036	31.7.2013	97277	0
121	220KV Gubhaya-Constg of Boundary wall	695918	695918	31.3.2012	161941	0
122	220KV Rashiana-Constg of PCC flooring 1:5:10	689552	689552	31.7.2013	194750	0
123	220KV Sandhwan-Constg of All Technical civil works(U/G from 132KV to 220KV)	34536194	34536194	30.6.2014	5396385	0
124	220KV Karatarpur-Constg of P-Type power cable	971982	971982	26.5.2015	264410	0
125	400KV Chak Vindal-Providing premix carpet & Approach Road	11037332	11037332	31.3.2015	0	0
126	220KV Tibbar-Constg of Addl. TF plinth	713247	713247	10.1.2015	194464	0
127	220KV Patti-Constg of 2nd circuit Bay & extension to SHB	15321037	15321037	15.2.2016	3892488	0
128	220KV Gubhaya-Constg of Addl. 100MVA TF, 66KV Capacitor Bank & breaker foundations	857945	857945	9.6.2015	233915	0



129	132KV Alwalpur- Constg of Addl.TF plinth	1884671	1884671	26.08.2015	511994	0
130	4x10.860 mvar c/bank at 220 kv s/s Algon Kothi	9635850	12294496	17/11/2015	565892	265510
131	Addl. 100 MVA At 220 KV S/S Badshshpur	84145000	286568825.9	31/03/2014	6626570	114315
132	Addl. 100 MVA T/F at 220 KV S/S Chohla Sahib	63041732	146947973.3	20/01/2015	4803377	228957
133	U/G 132 kv to 220 KV S/S Science City	78258049	185810476.7	31/03/2016	8820354	176878
134	Addl. 20/25 mva 132/66 KV T/F at 132 KV S/S G.T. Road ASP	6921605	19065308.8	26/01/2016	506214	261387
135	2nd 100 mva at 220 KV S/S Noormehal	46256990	60254990	30/09/2016	5403936	148798
136	Aug. of 12.5 mva 66/11 kv t/f with 20 mva 66/11 kv t/f at 220 kv Pathankot	11357334	31787218.11	07/03/2015	2591459	139381
137	2 No. GVK Bays at 220 kv Chohla Sahib	15856652	37934637.34	29/02/2016	1582604	370125
138	Addl. 12.5 MVA T/F at 132/11 KV T/F at 132 KV S/S Pathankot	5066272	5176734	28/03/2017	1117701	
139	Addl. 100 MVA 220/66 kv at 220 kv s/s Mahilpur	-149133	19559476	07/08/2015	-4470	
140	Prov. 220 KV Bus Bar Protection Pannel at 220 KV S/S Khasa	2833931	3311856	11/11/2016	346699	
141	Prov. 2 nos. bay to Moleke at 220 kv Chogawan	2427605	3129410.005	05/10/2016	286437	93625
142	Addl. 20/25 mva 132/66 kv at 132 kv s/s Hoshiarpur	6505001	8739609	24/02/2015	387386	1437693
143	Const of 2nd 160 MVA T/F Plinth 220 KV S/S Gaunsgarh.	9,75,316	9,75,316	31.03.2016	9,75,316	-



144	Const. of Capacitor Bank BHEL Make at 220 KV S/S Lalru.	4,30,906	4,30,906	31.03.2016	4,30,906	-
145	Const of 20 MVA T/F at 220 KV S/S Lalru	77,074	77,074	31.03.2016	77,074	-
146	Const. of replacing of 12.5 MVA T/F 220 KV S/S Banur.	1,15,756	1,15,756	31.03.2016	1,15,756	-
147	Const. of All TCW U/G 220 KV S/S Bassi Pathana	91,982	91,982	31.03.2016	91,982	-
148	Addl. & Alteration of SHB at 220 KV S/S Gaunsgarh.	7,125	7,125	31.03.2016	7,125	-
149	Const. of Extention of SHB 220 KV S/S Lalru.	6,02,475	6,02,475	31.03.2016	6,02,475	-
150	Const of Cable trenches and 2 No. Culvests of 220 KV S/S Kharar.	2,00,354	2,00,354	31.03.2016	2,00,354	-
151	All TCW Control Room 220 KV S/S Gobindgarh.(G-4)	15,76,335	15,76,335	31.03.2016	15,76,335	-
152	All TCW U/G 220 KV S/S Sandhour.	48,77,102	48,77,102	31.03.2016	48,77,102	-
153	Const. Laying of PCC Flooring and Bituman Road at 220 KV S/S Ghulal.	1,20,41,622	1,20,41,622	15.07.2015	21,60,809	-
154	Renovation of Shakti Sadan 3rd Floor Building including fixation of tiles Patiala.	82,23,010	82,23,010	10.04.2015	7,84,365	-
155	Providing and fixing false ceiling lights in SHB 220 KV S/S Gobindgarh G-IV	3,08,285	3,08,285	10.03.2015	58,228	-
156	Replacing of existing old flooring with verified tiles at 220 KV S/S Doraha.	4,97,854	4,97,854	27.05.2015	94,033	-
157	Estimate for Const of Addl 12.50 MVA T/F plinth & Allied C/W 132KV Ropar.	12,12,293	12,12,293	16.08.2015	2,28,973	-
158	Const. of addl. Switch Gear foundation (Bay for Bahu Majra) at 220KV S/S IKOLAHA.	1,69,895	1,69,895	30.09.2015	32,089	-
159	Const. of Addl. 20 MVA T/F Plinth at 220 KV S/S Jagraon.	5,10,875	5,10,875	27.07.2015	96,492	-

160	Const. of Bituman Road (New) in front of SHB 220 KV S/S IKOLAHA.	20,82,376	20,82,376	05.05.2015	3,93,311	-
161	Const. of 3rd additional 20 MVA T/F 220KV S/S Amlah.	6,36,795	6,36,795	16.11.2014	1,20,275	-
162	Const. of 32nd Circuit Mubarakpur Bay at 220KV S/S Dera Bassi.	1,95,051	1,95,051	17.07.2015	36,840	-
163	Const. of addl. Civil Works for 100 MVA T/F 220 KV Lalru.	7,58,019	7,58,019	06.11.2015	1,43,172	-
164	Const. of Z-Type trench and culverts and Concreat Road at 220 KV S/S Ghulal.	15,52,879	15,52,879	26.05.2015	2,93,302	-
165	Const. of Tech. Civil works 66KV Capcitor Bank ABB make and allied Civil Works 220 KV S/S Doraha.	11,24,931	11,24,931	25.02.2015	2,12,473	-
166	Const. of laying of PCC flooring and spreading of Gravel 220 KV S/S Gaunsgarh.	11,04,902	11,04,902	13.03.2015	2,08,690	-
167	Const. of Rech. Civil Works 11KV Capcitor Bank foundation 220 KV Gaunsgarh..	6,20,501	6,20,501	31.08.2015	1,17,198	-
168	Const. of Tech. Civil Works Bus Coupler 220KV S/S Gaunsgarh.	7,58,085	7,58,085	21.10.2015	1,43,184	-
169	Const. of two number 66KV Bay for PSIEC and Meharban 220KV S/S Gaunsgarh.	8,21,394	8,21,394	31.08.2015	1,55,142	-
170	Const. of Balance Civil Works 220 KV S/S Pakhowal.	2,81,618	2,81,618	02.12.2015	53,191	-
171	Const. of addl. 20MVA T/F Plinth 220 KV Pakhowal.	5,04,579	5,04,579	02.12.2015	95,303	-
172	Const. of 2nd Ckt 66KV Bay for Rajkot at 220KV S/S Pakhowal.	2,98,730	2,98,730	02.12.2015	56,423	-

NA

173	Supply and filling of earth in SHB laying of earth Mat at 220KV S/S Gobindgarh G-IV.	4,83,874	4,83,874	28.02.2015	91,392	-
174	Const. of Tech.Civil works for 20MVA T/F at 132 KV S/S Sihora.	7,27,800	7,27,800	04.09.2015	1,37,464	-
175	Const. of 11KV Capistor Bank at 132 KV S/S Chamkaur Sahib.	1,73,021	1,73,021	15.04.2016	32,680	-
176	Const. of Concreat Road 132 KV S/S Ropar.	1,46,497	1,46,497	30.03.2016	27,670	-
177	Const. of Balance civil works for 3rd 20 MVA T/F 220 KV S/S Sahnewal	3,69,755	3,69,755	02.01.2015	69,838	-
178	Const. of 11KV Cap Bank at 20 KV S/S Dhandari Kalan.	2,21,070	2,21,070	05.02.2016	21,405	-
179	Tec.C/W 2nd Addl. 12.5 MVA T/F 220 KV S/S Shamshpur.	9,05,131	9,05,131	13.02.2015	1,59,729	-
180	Furniture for VIP Gues House at 132 kv ss Badal	1205195	1205195	12.07.2015		
181	Waiting Shed at 132 kv ss Badal (VIP Guest House)	177148	177148	18.08.2011		
182	Meeting Hall at 132 kv ss Badal (VIP Guest House)	863440	863440	15.05.2011		
183	TCW at 220 kv ss Mehal Kalan (u/g)	14734801	16503916	31.12.2012	3484570	
184	Furniture for 220 kv ss Mehal Kalan	35044	0	11.07.2014		
185	TCW at 220 kv ss Kakrala (u/g)	11294616	14821972	30.09.2013	3311809	
186	Furniture for 220 kv ss Kakrala	31386	0	24.09.2013		
187	Earth filling in yard area at 220 kv ss Talwandi Saboo	870785	937622	04.08.2015	176171	
188	Furniture for 220 kv ss Devigarh	31386	0	13.08.2014		
189	Furniture for 220 kv ss Chhajli	31386	0	23.05.2014		
190	Furniture for 220 kv ss Talwandi Saboo	31386	0	16.09.2014		
191	ASGF for o/g bay to 220 kv ss Devigarh at 220 kv ss Bahadurgarh	1113914	1229594	15.03.2015	363565	

NA

192	Addl SGF for bay for o/g 66 kv line to 66 kv Jodhpur HPCL link at 220 kv ss Talwandi Saboo	241861	415000	20.07.2015	38667		
193	Addl 100 mva t/f plinth & AF at 220 kv ss Mansa	2479263	4004510	31.05.2015	742360		
194	TCW at 220 kv ss Dhanoula	13068163	16471920	30.06.2014	1804462		
195	Addl SGF for 2 no bay for LILO of 2nd ckt of patiala-Patran line at 220 kv ss Rajla	1128665	2080205	13.08.2014	220788		
196	Addl 2nd 160 mva T/F plinth & AFs at 220 kv ss Devigarh	2718788	6259467	10.07.2015	932989		
197	Addl 2nd 100 mva T/F & AFs at 220 kv ss Passiana	6968216	6968216	20.08.2015	392106		
198	Extn to SHB at 220 kv ss Bahadurgarh	3816085	3816085	30.07.2015	569639		
199	Add/alt in VIP guest house at 132 kv ss Badal	12185138	12185138	25.09.2015	1494046		
200	TCW at 220 kv ss Chajli	8577267	8577267	30.09.2015	3167693		
201	TCW at 220 kv ss Talwandi Saboo	16381595	16381595	30.09.2015	4446947		
202	66 KV B/B 1 to 2 and 2 to 4 (220 KV S/S Ablowal)	4803866	7394233	30/03/2014	327761	323413	
203	2 NO 220 KV Bay for Devigarh (220 KV S/S Bhatari)	11911336	13838015	29/04/14	891801	197348	
204	Addl. 12.5 MVA T/F (220 KV S/S Bhatari)	3114169	18621641	18/01/2014	2097452	66022	
205	Addl. 2X10.860 MVAR C/B	3834497	3989710	15/07/2014	483409	17091	
206	66 KV O/G bay for Bhunerheri	2668396	2791613	30/05/2014	336400	13568	
207	Addl. 160 MVA P/T/F	94536233	104028120	31/03/2015	7067592	919177	YES
208	Prov 220 KV B/B Prot Pannel	1280500	1453968	29/09/2014	96700	16714	
209	2X10.860 MVAR C/B	6571761	6834870	15/07/2014	827429	28407	
210	2X10.860 MVAR 66 KV C/B	6536526	6769696	20/09/2014	811921	24926	
211	Repl. Of Damg. 100 MVA T/F	54429046	56022501	06/11/2013	4251991	175462	
212	Addl. 2X10.860 MVAR 66 KV C/B	3925638	4048338	20/09/2014	494899	13511	
213	Aug of Double Condt to 4 No.	2939861	3945028	31/3/2014	314021	11601	
214	Repl. Of 220 KV CT class to 0.5 to 0.2	32447	119407	09/09/2010	9576	0	NA

215	220 KV bus bar Pannel	1397025	1576955	29/05/2014	31724	17425	YES
216	Aug. 10/12.5 MVA with 20 MVA T/F (Amendment No. 9)	6168015	6337256	28/02/2013	18636	0	NA
217	Aug. 12.5 MVA with 20 MVA T/F	22452959	23069036	08/06/2014	2259550	67839	YES
218	220/66 KV B/B 1 to 2 & 2 to 4 No. Cond.	7685435	8198881	23/02/15	968891	99170	
219	2 x 10.860 MVAR C/B	4689164	4858017	09/09/2012	2669	14286	
220	Repl. Of Damg. 100 MVA T/F with Same cap.	53292704	52241458	17/01/2013	176045	0	NA
221	Addl. 20 MVA T/F	22109434	21845619	02/02/2015	2787301	81514	YES
222	Prov. 2 No. 66 KV bay for Sirhind (Amendment No. 20)	4359635	4522131	09/04/2014	17893	0	NA
223	Shifting of 2 No. 220/66 KV C&R Pannel & Battery Charger etc. in new control room	2640853	7138667	25/01/2015	332928	419538	YES
224	2 No. 66 KV Bays for Bahomajra	5218475	5331160	30/06/2015	375416	220464	
225	Prov. 220 KV B/B Pannel	1102146	1244553	23/12/2014	138946	13762	
226	Aug. 12.5 MVA with 20 Mva T/F	74492	74492	23/08/2010	0	0	NA
227	Addl. 20 MVA T/F	19563817	21058724	26/02/2015	2466379	153189	YES
228	2X10.860 MVAR C/B	6043519	6287844	23/09/2014	544018	26904	
229	Prov 2 No 220 KV Bus Bar Prot. Pannel	4576073	4856600	30/06/14	576633	45589	
230	Repl. Of Damg. 20 MVA T/F with Same Cap.	8024573	8260299	17/04/2012	25957	0	NA
231	66 KV 20 No. Bay for Sirhind	3299778	4426158	09/04/2014	415633	106155	YES
232	66 KV O/G bay for Lehra	1926791	2570530	20/06/2014	242907	60046	
233	Aug. of 12.5 with 20 MVA T/F	17018421	18110361	18/07/2014	2145485	225938	
234	2 No. 220 KV bay Mehal Kalan Direction	8460126	8639671	04/11/2012	25407	0	NA
235	2 No. 220 KV bay for 220 KV S/S Doraha	11402578	12558543	31/07/2012	13729	105131	YES
236	Prov. 220 KV bus bar Pannel	3122631	3844668	28/09/2013	4629	79507	
237	220 KV Bus Bar Pannel	2562983	2771641	27/09/2013	9411	20589	
238	2 x 10.860 MVAR C/B	5126800	5280702	23/07/2012	16947	0	NA
239	66KV O/G Bay for Katron	2344818	2340538	20/03/2014	159984	7676	YES

240	U/G of 66 to 220 KV S/S		114808001	10/07/2010	52408	421748	
241	2 x 10.860 MVAR C/B	5188104	5330458	09/01/2012	15675	0	NA
242	Addl. 3rd/ 100 MVA T/F	72898865	75964899	31/03/2011	12637	346000	YES
243	Aug. 100 to 160 MVA T/F	72941013	75604660	01/06/2013	4960712	293306	
244	U/G of 66 KV to 220 KV	143629834	148045937	30/09/2014	15004057	542044	
245	220 KV B/B Prot Pannel	1144923	1318332	03/11/2014	83833	16707	
246	Addl. 100 MVA T/F	23901192	24835532		1915738	101482	
247	Prov 220 KV B/B Prot Pannel	8317507	8612390	11/08/2014	569895	31320	
248	Addl. 2 x 10.860 MVAR C/B	4242444	4358851	15/03/2015	467156	12818	
249	I/C Bay from Bhalwan	5203161	5867814	22/05/2014	427946	64199	
250	2X10.860 MVAR C/B	5788288	6786340	09/06/2014	500325	95439	
251	3rd Addl. 20 MVA T/F	19080832	19927038	30/01/2014	1361452	60785	
252	Prov. Control Equip. On 220 KV Mohali-Dera Bassi Ckt. - 1	4024561	4134989	30/06/2012	12160	0	NA
253	Prov. 66 KV bus Coupler bay	2098497	2102759	29/01/2013	3203	6184	YES
254	U/G of 132 KV to 220 KV S/S	1256989	4427842	28/07/2010	349157	0	NA
255	Addl. 100 MVA T/F	61302743	60115693	30/06/2012	2582	255364	YES
256	Addl. 12.5 MVA T/F / 20 MVA T/F	17998158	18556118	26/09/2011	1822	59848	
257	U/G of 66 KV to 220 KV	92984016	96035364	30/04/2011	335997	0	NA
258	4 x 10.860 MVAR C/B	10465354	10621785	02/11/2012	31235	0	
259	Addl. 20 MVA P/T/F	18740786	19303976	21/02/2014	1280917	60043	YES
260	Addl. 1x100MVA T/F 220/66KV	63775438	66202114	15/05/2013	216616	256675	
261	66 KV 1 to 2 No. B/B Conduct.	10460107	12426213	16/01/2015	1318689	191835	
262	Addl. 100 MVA T/F	59616516	60779844	23/8/2012	7424	214875	
263	4 x 10.860 MVAR C/B	13569137	13941455	31/08/2014	328786	40998	
264	Aug. of 10/12.5 with 20 MVA T/F	10878095	12046008	30/06/14	1371384	113787	
265	66 KV O/G bay for Mubarakpura	2638083	2657638	29/04/2015	244965	2153	
266	1 No. 66 KV O/G bay for Banur & Shifting of 2 No. bays (Alamgir & Handesra)	7395549	7582349	15/06/2015	847075	83376	
267	B/B Prot. Pannel	5660296	6591307	19/08/2014	439988	100130	
268	Addl. 20 MVA T/F	21263461	22410193	19/12/2014	2670756	117474	
269	Addl. 12.5 MVA T/F	4405223	9067943	30/01/2015	555359	449160	

270	Shifting of 4 x 10.860 MVAR C/B	1439728	1685282	26/12/2014	181504	23543	
271	Addl. 10.860 MVAR C/B	2042028	2124518	25/03/2012	1757	6248	
272	Addl. 100 MVA T/F	11037088	32203289	26/03/2015	1391428	1966109	
273	4X10.860 MVAR C/B	10322036	10406111	31/08/2014	907869	9044	
274	Addl. 100 MVA P/T/F	66191477	66273288	06/06/2015	155130	6041108	
275	Addl. 100 MVA T/F	64197119	65887596	01/07/2014	4990122	195774	
276	Addl. 20 MVA T/F	16888426	17442322	30/06/2014	1159657	60992	
277	Addl. 3rd 100 MVA T/F	75899177	78601585	28/09/2011	297574	0	NA
278	1 No. 220 KV bay Patran	4373460	3372915	24/12/2012	21037	0	
279	Prov 66 KV for Cheema	2185319	1960945	10/03/2014	149101	8308	
280	Prov. 220 KV bus Coupler bay	4297213	4332239	19/08/2015	69630	351598	
281	Aug of 10/12.5 MVA with 20 MVA T/F	2875086	16110530	19/02/2014	1816755	54911	
282	Repl. Of Damg 20 MVA T/F with same cap.	17214761	17839978	14/11/2014	2170238	66673	YES
283	4X10.860 MVAR 66 KV C/B	10285881	10690854	30/09/2014	1241086	42776	
284	2 No. 220 KV LILO Bays	13283506	13694021	15/06/2014	1674631	44410	
285	Addl. 12.5 MVA T/F	15252800	16307671	25/07/2011	116157	0	NA
286	220 KV 1 No. I/G bay for Sunam	5063022	5838308	19/12/2012	345443	85370	YES
287	Repl. Of Damg. 16/20 MVA with 20 MVA T/F	13255633	14255704	26/08/2012	110122	0	
288	Prov. 220 KV bay 2nd CKT. For Sunam	4888437	5658925	19/12/2012	84842	0	NA
289	1 No. 66 KV bay for Balbera	1899599	2719754	14/06/2011	237210	0	
290	Addl. 20 MVA T/F (As per Amendment No. 8)	20326538	21854090	25/12/2011	547	168206	YES
291	Prov. 66 KV Double bus bar 2 No. to 4No. Condt.	1016300	1044186	06/08/2012	3071	0	NA
292	Prov 220 KV B/B Prot Pannel	1180596	1354750	20/10/2014	82425	16789	YES
293	66 KV B/B 1 to 2 NO. Condt.	454577	644570		57308	17892	
294	Repl. Of Damg. 100 MVA with 160 MVA T/F (Amendment No. 33)	64044537	65992357	15/06/2012	214483	0	NA
295	U/G of 66 KV to 220 KV S/S	74160029	76293755	20/05/2014	6003968	348521	YES
296	66 KV Bay for Fateh Majri	2097854	4014348	27/02/2013	193271	13344	
297	New S/Stn.	1289751	1289751	30/03/2012	0	0	NA
298	132 KV bay	4370402	4557489	28/02/2015	550970	17372	YES

299	Addl. 12.5 MVA 66/11 KV P/T/F	5761105	5761105	26/06/2015	534961	0	NA
300	Addl 100 MVA T/F	81351618	82531725	10/11/2014	7140997	122491	YES
301	Prov 220 KV B/B Prot. Pannel	1132835	1335097	16/10/2014	77674	19363	
302	Aug. Of 220/66 KV 2 B/B Condt. to 4 No. Condt	2240559	2281091	11/02/2016	208052	4463	
303	Repl. Of Damg. 12.5 MVA T/F with Same Cap	994510	5042987	3/7/2014	125376	376685	
304	Repl. Of Damg. 100 MVA T/F with Same cap.(T-6)	49107166	48754677	17/03/2016	4559959	0	NA
305	Addl. 100 MVA P/T/F	12751007	46920721	31/12/2015	1184024	4955292	YES
306	Addl. 2 x 10.860 MVAR C/B	6214482	7021354	25/10/2012	59787	88848	
307	U/G 66 KV to 220 KV S/S	106077829	110176710	41671	1583535	451346	
308	Aug. Of 100 MVA P/T/F with 160 MVA	81824831	82197507	30/6/2012	7598033	44785	
309	220 KV B/B Conct. 1 to 2 & 2 to 4 NO.	3984181	4721466	28/03/15	502279	68629	
310	E/o 2nd 220 KV B/B & allied Equipment	8502417	12937103	07/10/2014	1071886	442481	
311	Aug. 100 with 160 MVA T/F	76101903	79407521	11/03/2013	9594046	354449	
312	1x100MVA 220/66KV(U/G from 66KV)	83086465	104015183	27/06/2013	6119150	1038558	
313	Repl. Of Damg 16/20 with 20 MVA T/F	15183609	16528586	41747	1727248	285783	
314	2 x 10.860 MVAR C/B	5205117	5440531	31/7/2012	6149	15999	
315	Addl. 20 MVA T/F	16851199	17614287	17/09/2013	1185978	52279	
316	3 x 10.860 MVAR C/B	5323046	6897204	07/11/2012	1108	198571	
317	220 KV B/B 1 to 2 & 2 to 4 No. Condt.	6634303	5998606	26/05/2015	616043	0	
318	66 KV B/B 1 to 2 & 2 to 4 No. Condt.	6943869	4722961	12/12/2014	875403	100689	YES
319	1 No. O/G bay Sunam Direction	1419525	1458475	31/01/2013	4289	0	YES
320	66 KV bay for U/G 33 KV to 66 KV Purkhali	440815	440815	26/11/2010	0	0	NA
321	Aug. 12.5/16 with 50 MVA 132/11KV T/F	5185967	892688	31/03/2014	653188	667	YES
322	Repl. Of Damg. 10/12.5 MVA 66/11 KV P/T/F with same Cap.	1052189	1052189	14/01/2016	97703	0	NA
323	132 KV 1 to 2 No. B/B Conductor	4631945	4669484	21/04/2014	567679	3486	YES
324	New Sub Station Majra	144803616	150797168	21/03/2016	1383063	13270334	



325	Supply Errection Testing & Commissioning of NIFPES	1199482	1199482		111381	0	NA
326	220 KV B/B 1 to 2 and 2 to 4	393918	393918	03/03/2014	49661	0	
327	U/G of 66 KV to 220 KV S/S	48416788	74058670	04/02/2014	6648290	101836	
328	Aug. of 12.5 MVA with 20 MVA T/F	17213250	17222817	41599	1163749	31128	
329	Repl. Of 66 KV Single B/B Condt. to Double B/B Condt.	231332	220902	15/03/2014	15783	699	
330	66 KV 1 to 2 & 2 to 4 No. B/B Condt.	935266	937729	31/03/2014	86846	271	YES
331	1x100MVA 220/66KV(U/G from 66KV)	128868742	132324119	29/07/2013	9054524	110702	
332	Repl. Of Dam. 100 MVA 220/66 KV P/T/F with same Cap	55621714	56196706	23/07/15	5164882	63315	
333	Addl. 12.5/16 MVA T/F	6385450	6384950	31/10/2010	0	0	NA



Annexure-B

Format - I

Sub-head wise details of Fixed Assets and Accumulated Depreciation - Abstract of Calculation sheets of Depreciation FY 2017-18

Name of the Asset	Account Code	Gross Value of asset as on 31.03.2005	Accumulated Depreciation on assets in Column No. 3 upto 31.03.2017	Depreciation on assets in Column No. 3 for FY 2017-18	Additions made from 01.04.2005 To 31.03.2017	Accumulated Depreciation on assets in Column No. 6 upto 31.03.2017	Depreciation on assets in Column No. 6 for FY 2017-18	Additions made from 01.04.2017 To 31.03.2018	Depreciation on assets in Column No. 9 for FY 2017-18	Total Depreciation for FY 2017-18 (Column No. 5+8+10)	Closing Value of Gross Assets as on 31.03.2018 (Column No. 3+6+9)	Closing Value of Accumulated Depreciation as on 31.03.2018 (Column No. 4+7+11)
1	2	3	4*	5	6	7	8	9	10	11	12	13
Land owned under full title	10.101	4,78,22,85,066	0	0	24,48,46,01,929	0	0	0	0	0	29,26,68,86,995	0
Buildings containing Transmission install	10.206	20,32,44,190	10,12,36,976	1,43,31,061	78,61,39,116	11,21,21,050	3,19,63,451	33,76,20,852	62,26,024	5,24,20,536	1,32,70,04,158	26,57,78,563
Buildings containing Transmission install	10.207	5,12,084	54,58,059	-52,53,985	-5,12,084	84,93,837	-86,97,909			-1,39,51,894	0	0
Office buildings	10.211	1,38,75,612	67,22,660	4,30,785	11,33,62,196	5,98,81,707	24,58,006	3,30,858	0	28,88,791	12,75,68,666	6,94,93,158
Residential colony for staff	10.222	15,81,60,399	11,13,49,041	24,01,219	2,27,11,278	93,46,100	7,32,665			31,33,885	18,08,71,677	12,38,29,026
Temporary buildings	10.234	86,846	86,846	0	5,73,624	5,73,624	0			0	6,60,470	6,60,470
Workshop buildings	10.244				1,62,618	1,14,557	5,389			5,389	1,62,618	1,19,946
Other buildings	10.245	34,85,18,025	29,82,53,995	10,73,453	10,93,74,450	2,44,06,921	36,53,107	7,41,085	24,752	47,51,312	45,86,33,560	32,74,12,228
Pucca roads	10.401	69,25,778	43,22,070	2,25,019	2,96,48,996	60,52,373	9,79,268	85,26,960	1,52,366	13,56,653	4,51,01,734	1,17,31,096
Railways sidings	10.412				14,08,286	7,02,931	47,037			47,037	14,08,286	7,49,968
Turbine Generator including Auxiliaries	10.501	2,19,91,485	1,79,18,918	67,389	1,28,39,744	70,60,935	6,75,828			7,43,217	3,48,31,229	2,57,23,069
Plant foundations for steam power plant	10.502				3,26,468	68,957	17,238			17,238	3,26,468	86,195
Oil storage tanks, oil handling plant & equipment	10.506	2,59,721	2,33,749	0	0	0	0	0	0	0	2,59,721	2,33,749
Instrumentation & Controls	10.509	1,21,319	1,09,187	0	27,10,152	18,59,689	1,43,097			1,43,097	28,31,471	21,11,973
Transformers, Transformers Kiosks, sub-stations	10.541	3,82,73,80,328	3,47,01,80,459	-5,46,43,202	13,10,99,78,606	3,13,52,11,399	64,68,35,332	1,58,08,55,187	5,18,66,981	64,40,59,111	18,51,82,14,121	7,24,94,50,968
Transformers, Transformers Kiosks, sub-stations	10.542	53,90,661	46,42,156	19,580	72,77,612	28,11,338	3,78,903			3,98,483	1,26,68,273	78,51,977
Material handling equipment-earth, moved	10.551				72,352	65,117	0			0	72,352	65,117
Material handling equipment-cement mix	10.552				14,57,194	8,55,106	76,940			76,940	14,57,194	9,32,046
Material handling equipment-others	10.555				30,21,160	14,73,679	2,87,010			2,87,010	30,21,160	17,60,689
Switchgear including cable connections	10.561	3,39,93,65,761	2,99,59,11,646	3,66,52,073	8,61,60,06,741	2,18,43,52,835	43,69,40,613	1,93,19,78,274	8,73,57,517	56,09,50,202	13,94,73,50,776	5,74,12,14,683
Batteries including charging equipment	10.563	99,79,014	89,23,223	6,593	1,04,95,799	35,14,654	5,26,909	11,46,980	42,104	5,75,606	2,16,21,793	1,30,13,483
Lightening arrestors	10.567	21,85,195	19,66,676	0	1,31,656	85,024	6,952			6,952	23,16,851	20,58,652
Communication equipment-radio & high frequency	10.571	49,16,55,094	44,24,89,583	0	30,09,76,966	11,33,44,071	1,62,56,068	9,34,95,717	38,98,026	2,01,54,094	88,61,27,777	57,59,87,748
Communication equipment-telephone line	10.572	83,366	75,028	0	29,95,109	23,18,265	1,68,398			1,68,398	30,78,475	25,61,691
Air conditioning plant-static	10.576	28,85,829	25,97,247	0	1,24,95,464	8,36,081	7,91,029	19,83,904	31,667	8,22,695	1,79,65,197	42,58,023
Air conditioning plant-portable	10.577	2,50,787	2,75,079	-49,371	3,17,730	2,49,608	-1,16,084			-1,65,455	5,68,517	3,59,232
Refrigerators and water coolers	10.580	6,21,821	5,59,638	0	1,33,474	56,757	4,814			4,814	7,55,295	6,21,209
Meter testing laboratory tools & equipment	10.581	3,11,06,371	2,79,95,735	0	7,15,77,584	1,46,76,026	36,89,771			36,89,771	10,26,83,955	4,63,61,532

**Sub-head wise details of Fixed Assets and Accumulated Depreciation - Abstract of Calculation sheets of Depreciation FY 2017-18**

Format - I

Name of the Asset	Account Code	Gross Value of asset as on 31.03.2005	Accumulated Depreciation on assets in Column No. 3 upto 31.03.2017	Depreciation on assets in Column No. 3 for FY 2017-18	Additions made from 01.04.2005 To 31.03.2017	Accumulated Depreciation on assets in Column No. 6 upto 31.03.2017	Depreciation on assets in Column No. 6 for FY 2017-18	Additions made from 01.04.2017 To 31.03.2018	Depreciation on assets in Column No. 9 for FY 2017-18	Total Depreciation for FY 2017-18 (Column No. 5+8+10)	Closing Value of Gross Assets as on 31.03.2018 (Column No. 3+6+9)	Closing Value of Accumulated Depreciation as on 31.03.2018 (Column No. 4+7+11)
		3	4*	5	6	7	8	9	10	11	12	13
Tools & tackles	10.583	2,45,45,218	2,20,49,029	5,658	8,04,55,454	2,14,19,343	41,97,233			42,02,892	10,50,00,672	4,76,71,264
Fire Fighting Equipment	10.584	6,31,349	5,68,216	0	22,16,166	4,31,687	1,15,326	37,746	1,540	1,16,866	28,85,261	1,16,769
Surveying, drawing Instruments	10.586	13,800	12,420	0						0	13,800	12,420
Remote Terminal Unit (RTU) installed at	10.591	71,36,599	64,22,939	0	7,19,55,551	2,91,69,295	83,86,312	7,95,296	1,19,290	85,05,602	7,99,27,446	4,40,97,836
Other Misc. equipments	10.599	12,74,00,292	10,47,15,528	10,43,878	15,73,47,486	4,83,43,084	72,56,983	26,00,57,056	9,24,302	92,25,163	54,48,04,834	16,22,83,775
Overhead lines (towers, poles, fixtures, etc)	10.601	3,78,49,96,488	3,31,18,86,986	93,28,948	22,84,61,59,344	4,24,07,45,696	1,19,68,08,383	1,55,02,24,494	7,41,56,557	1,28,02,93,888	28,18,13,80,326	8,83,29,26,570
Overhead lines (towers, poles, fixtures, etc)	10.603	37,46,25,403	33,68,80,192	24,465	16,58,33,736	2,79,44,407	87,56,022			87,80,487	54,04,59,139	37,36,05,086
Underground cables including joint boxes etc	10.611	13,25,710	11,80,725	2,566	7,71,985	4,42,345	40,761			43,327	20,97,695	16,66,397
Underground cables-cable duct system	10.612	50,066	45,060	0	93,766	78,046	486			486	1,43,832	1,23,592
Metering equipments	10.631	37,59,019	32,43,983	19,137	9,67,300	3,98,033	50,561			69,698	47,26,319	37,11,714
Street lighting and signal system	10.641	14,419	12,977	0						0	14,419	12,977
Miscellaneous equipments	10.685	61,71,164	55,53,570	40	22,33,575	8,87,208	1,17,932			1,17,972	84,04,739	65,58,750
Trucks, tempos, trekkers etc.	10.710	1,18,45,652	1,40,77,967	-34,16,344	1,34,81,494	86,60,507	27,49,307			-6,67,037	2,53,27,146	2,20,71,437
Buses including mini buses	10.720				48,254	81,285	-57,491			-57,491	48,254	23,794
Jeeps and motor cars	10.730	78,76,374	81,25,587	-12,21,161	82,48,153	48,18,135	4,72,525	0	0	-7,48,636	1,61,24,527	1,21,95,086
Other vehicles	10.740	2,16,40,620	1,94,76,558	0	81,62,756	64,00,215	2,63,095	1,05,89,259	5,75,675	8,38,770	4,03,92,635	2,67,15,543
Furniture and fixtures office	10.801	49,42,171	33,25,013	5,68,652	2,21,96,646	58,82,458	12,84,563	30,46,200	1,05,858	19,59,073	3,01,85,017	1,11,66,543
Furniture and fixture-Rest/Guest houses	10.802	3,04,817	7,09,781	-4,35,445	1,30,15,163	77,81,689	8,06,513	92,300	942	3,72,010	1,34,12,280	88,63,480
Calculators	10.901	0	1,10,793	-1,10,794	5,440	37,865	-37,247			-1,48,041	5,440	617
Type writers and duplicating machines	10.902	2,93,816	1,62,468	84,120	9,59,737	3,91,962	31,691			1,15,811	12,53,553	6,70,241
Cash registrex machines	10.903	0	4,872	-4,872	0	3,789	-3,789			-8,661	0	0
Computers	10.904	1,62,847	1,46,563	0	6,60,06,960	4,34,73,545	76,60,218	15,30,858	1,57,837	78,18,055	6,77,00,665	5,14,38,162
<b>Total</b>		<b>17,68,46,20,576</b>	<b>11,34,00,19,198</b>	<b>11,49,462</b>	<b>71,16,04,83,186</b>	<b>10,13,79,25,234</b>	<b>2,37,66,23,216</b>	<b>5,78,30,53,026</b>	<b>22,56,41,437</b>	<b>2,60,34,14,114</b>	<b>94,62,81,56,788</b>	<b>24,08,13,58,545</b>

Note: \* Accumulated Depreciation of assets upto 31.03.2005 is not available. So, the accumulated depreciation of these assets upto 31.03.2017 has been shown in column no. 4.  
 \*\* The rate of depreciation on which depreciation has been charged during FY 2017-18 has been shown against each asset in different sheets.



**Detail of Non refundable & un-claimed credits lying under GH - 47.305 & 47.309 pending for more than 3 years transferred to revenue GH - 62.930 during FY 2017-18**

SR. No.	Particulars	Location Code	GH 47.305	GH 47.309	Total
1	Grid construction Division Patiala	202	5,64,88,369	1,92,24,090	7,57,12,459
2	Grid construction Division Moga	203	3,26,14,362	2,78,22,511	6,04,36,873
3	Grid construction Division Ludhiana	206	94,56,396	1,43,29,294	2,37,85,690
4	Grid construction Division Jalandhar	212	4,91,45,063	3,37,20,896	8,28,65,959
5	Civil Works Division Mohall	261	28,86,170	7,09,180	35,95,350
6	Civil Works Division Patiala	262	2,85,835		2,85,835
7	Civil Works Division Ludhiana	264	58,83,515		58,83,515
8	Civil Works Division Jalandhar	265		46,51,568	46,51,568
9	TLSC Division Patiala	201		9,10,87,103	9,10,87,103
10	TLSC Division Jalandhar	211	6,25,15,649	43,64,968	6,68,80,617
11	TLSC Division Mohall	214	53,26,74,513	1,20,56,381	54,47,30,894
12	Common location Code	900	3,85,03,224		3,85,03,224
	<b>TOTAL</b>		<b>79,04,53,096</b>	<b>20,79,65,991</b>	<b>99,84,19,087</b>

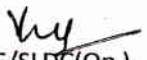
## Annexure - D

## PSTCL Energy Exchanged status from April,2017 to Sept.,2018 month

Month	Energy Injected in PSTCL Substations (in MWh) (A)	Energy exported from PSTCL Substations (in MWh) (B)	PSTCL Transmission Losses=A-B	PSTCL Transmission Losses (%age)
<b>FY 2017-2018</b>				
April,2017	-3178327.86	-3072797.821	-105530.039	3.32
May,2017	-4582304.186	-4448237.604	-134066.582	2.92
June,2017	-4981670.652	-4851319.396	-130351.256	2.61
July,17	-6603950.785	-6471100.035	-132850.7498	2.01
August,2017	-6178638.744	-5966839.339	-211799.405	3.42
September,2017	-5336483.757	-5127861.048	-208622.709	3.90
October,2017	-3959420.124	-3872625.841	-86794.2828	2.19
November,2017	-2660262.27	-2527512.292	-132749.978	4.99
December,2017	-2918229.117	-2800907.27	-117321.8476	4.02
Jan.,18	-2928284.914	-2832305.848	-95979.066	3.27
Feb.,2018	-2695786.698	-2627710.638	-68076.06	2.52
March,18	-3331106.498	-3216383.643	-114722.8548	3.44
<b>Total Losses for FY 2017-18</b>	<b>-49354465.605</b>	<b>-47815600.775</b>	<b>-1538864.830</b>	<b>3.118</b>

<b>FY 2018-2019</b>				
April,2018	3203850.521	3054344.771	149505.7497	4.66
May,2018	4484416.246	4314916.15	169500.0965	3.78
June,18	5273076.234	5096183.036	176893.1982	3.35
July,18	6417828.873	6252985.247	164843.626	2.57
August,2018	7622336.178	7419277.121	203059.057	2.66
September,2018	6159649.868	5985180.915	174468.953	2.83
<b>FY 2018-19 (Half yearly Losses)</b>	<b>33161157.920</b>	<b>32122887.240</b>	<b>1038270.680</b>	<b>3.13</b>

↓

  
 ASE/SLDC(Op.),  
 Ablowal,Patiala.

Annexure - E



**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 THE CHIEF ENGINEER/SLDC**

SLDC Building, 220KV Grid Sub-Station, Ablowal, (Patiala) – 147001.

Fax No. 0175-2365340  
Email. ce-sldc@pstcl.org

Tele : 0175-2366007  
Mob : 96461-18001

To

Financial Advisor,  
PSTCL, Patiala.

Memo No: 1460

Dated: 27/11/18

Subject: Confirmation of Transmission Availability for the first half year (upto 30.09.2018) of FY 2018-19.

Ref: Your office email dated 21.11.2018.

In the above context, the Transmission System Availability for the first half year (upto 30.09.2018) of FY 2018-19 is as follows:

Sr. No.	Month	Transmission Availability (%)
1.	April, 2018	99.9764
2.	May, 2018	99.9643
3.	June, 2018	99.9575
4.	July, 2018	99.9704
5.	August, 2018	99.9821
6.	September, 2018	99.9806

It is for your kind information and necessary action please.

9/12  
27/11/18  
Chief Engineer/SLDC,  
PSTCL, Patiala.  
26/11/18  
27/11/18

Annexure-F

**ANNEXURE \_ : TRANSMISSION SYSTEM CAPACITY FOR FY 2018-19 AND FY 2019-20 EXCLUDING NRSE**

**I. TRANSMISSION SYSTEM CAPACITY FOR FY 2018-19 (MW)**

S. No.	Source	Approved Capacity (MW) (Gross)	Auxiliary Consumption and Transformation Losses (%)	Approved Injection (MW) (Net)	PSPCL's Firm Share (%)	PSPCL's Firm Share (MW)
<b>I</b>	<b>PSPCL Own THERMAL</b>					
1	GNDIP, Bathinda	0	11%	0.00	100%	0.00
2	GGSTP, Ropar	840	8.5%	768.60	100%	768.60
3	GHIP, Lehra Mohabbat	920	8.5%	841.80	100%	841.80
4	Total	1760		1610.40		1610.40
<b>II</b>	<b>PSPCL Own HYDRO</b>					
1	Shannan	110	0.67%	109.26	100%	109.26
2	UBDC	91.35	0.87%	90.56	100%	90.56
3	RSD Net Share Less 20% J&K and 4.6% HP share from RSD	452.4	0.20%	451.50	100%	451.50
4	ASHP	134	0.86%	132.85	100%	132.85
5	MHP	225	0.13%	224.71	100%	224.71
6	Micro Hydel	5.6	0.00%	5.60	100%	5.60
7	Total	1018.35		1014.47		1014.47
<b>III</b>	<b>PSPCL share from BBMB</b>	<b>1161.28</b>	<b>0.50%</b>	<b>1155.47</b>		<b>1155.47</b>
<b>IV</b>	<b>Independent Power Producers (IPPs) within Punjab (Private Sector Projects)</b>					
1	Nabha TPP (NPL)	1400	5.71%	1320.06	100%	1320.06
2	Talwandi Sabo TPP (TSPL)	1980	7.00%	1841.40	100%	1841.40
3	GVK	540	9.00%	491.40	100%	491.40
4	Total	3920		3652.86		3652.86
<b>V</b>	<b>PSPCL Share from Central Sector</b>					
1	Farakka STPS					
2	Kahalgaon-I	840	9.00%	764.40	6.07%	46.40
3	Tala	1020	1.00%	1009.80	2.94%	29.69

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S. No.	Source	Approved Capacity (MW) (Gross)	Auxiliary Consumption and Transformation Losses (%)	Approved Injection (MW) (Net)	PSPCL's Firm Share (%)	PSPCL's Firm Share (MW)
4	Kahalgaon-II STPS	1500	5.75%	1413.75	8.02%	113.38
5	Singrauli STPS	2000	6.88%	1862.40	10.00%	186.24
6	Rihand STPS-I	1000	7.75%	922.50	11.00%	101.48
7	Rihand STPS Stage-II	1000	5.75%	942.50	10.20%	96.14
8	Unchahar-I	420	9.00%	382.20	8.57%	32.75
9	Unchahar-II	420	9.00%	382.20	14.28%	54.58
10	Unchahar-III	210	9.00%	191.10	8.10%	15.48
11	Anta GPS	419	2.50%	408.53	11.69%	47.76
12	Auraiya GPS	663	2.50%	646.43	12.52%	80.93
13	Dadri NCGPS	830	2.50%	809.25	15.90%	128.67
14	JAPS	440	10.50%	393.80	11.59%	45.64
15	KAPP B	440	10.50%	393.80	22.73%	89.51
16	RAPP C	440	10.50%	393.80	10.41%	40.99
17	Bairasiul HPS	180	1.00%	178.20	46.50%	82.86
18	Salal HPS	690	1.00%	683.10	26.60%	181.70
19	Kampur HEP	412.02	1.20%	407.08	5.62%	22.88
20	Nathpa Jhakri HPS	1500	1.20%	1482.00	10.13%	150.13
21	Tehri Stage-I	1000	1.20%	988.00	7.70%	76.08
22	Dulhasti HEP	390	1.20%	385.32	8.28%	31.90
23	Tanakpur HPS	94	0.70%	93.34	17.93%	16.74
24	Chamera HPS-I	540	1.20%	533.52	10.20%	54.42
25	Parbati-III HEP	520	1.20%	513.76	7.86%	40.38
26	Dhauliganga HEP	280	1.20%	276.64	10.00%	27.66
27	Chamera HPS-II	300	0.70%	297.90	10.00%	29.79
28	Sewa-II HEP (3 Units)	120	1.00%	118.80	8.33%	9.90
29	Uri-I HPS	480	1.20%	474.24	13.75%	65.21

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S. No.	Source	Approved Capacity (MW) (Gross)	Auxiliary Consumption and Transformation Losses (%)	Approved Injection (MW) (Net)	PSPCL's Firm Share (%)	PSPCL's Firm Share (MW)
30	Uri-II HPS	240	1.20%	237.12	8.13%	19.28
31	Indira Gandhi STPS Jhajjar	1500	5.25%	1421.25	0.00%	0.00
32	Koteshwar HEP	400	1.20%	395.20	6.36%	25.13
33	Rihand-III	1000	5.75%	942.50	8.27%	77.92
34	Koldam	800	1.00%	792.00	7.73%	61.22
35	Dadri-II	980	5.25%	928.55	0.00%	0.00
36	Chamera-III	231	0.70%	229.38	7.86%	18.02
37	Unchahar-IV	500	5.75%	471.25	0.00%	0.00
38	Durgapur TPS (DVC)	1000	5.25%	947.50	20.00%	189.50
39	Raghunathpura RTPS (DVC)	1200	5.25%	1137.00	25.00%	284.25
40	Pragati-III(Bawana)PPCL	1371	3.00%	1329.87	10.00%	132.99
41	MALANA-2 (PTC)	100	1.20%	98.80	88.00%	86.94
42	SASAN Ultra Mega Project	3960	6.00%	3722.40	15.00%	558.36
43	MUNDRA Ultra mega project	4000	5.00%	3800.00	12.50%	475.00
44	Bokaro Thermal Power BTPS-A	500	5.25%	473.75	40.00%	189.50
45	Karcham Wangtoo (PTC)	1000	1.20%	988.00	20.00%	197.60
46	Singrauli Small Hydro	8	1.00%	7.92	0.00%	0.00
47	Kishanganga HEP	330	1.20%	326.04	0.00%	0.00
48	Meja	1320	5.75%	1244.10	3.64%	45.24
52	Total	40188.02		38337.46		4281.04
VI	Grand Total (Transmission Capacity)	49331.92		47054.93		12998.52

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**II. TRANSMISSION SYSTEM CAPACITY FOR FY 2019-20 (MW)**

S. No.	Source	Approved Capacity (MW) (Gross)	Auxiliary Consumption and Transformation Losses (%)	Approved Injection (MW) (Net)	PSPCL's Firm Share (%)	PSPCL's Firm Share (MW)
<b>I</b>	<b>PSPCL Own THERMAL</b>					
1	CNDIP , Bathinda	0.00	11.00%	0.00	100.00%	0.00
2	CGSSTP, Ropar	840.00	8.50%	768.60	100.00%	768.60
3	GHTP, Lehra Mohabbat	920.00	8.50%	841.80	100.00%	841.80
4	Total	1760.00		1610.40		1610.40
<b>II</b>	<b>PSPCL Own HYDRO</b>					
1	Shannan	110.00	0.67%	109.26	100.00%	109.26
2	UBDC	91.35	0.87%	90.56	100.00%	90.56
3	RSD Net Share Less 20% J&K and 4.6% HP share from RSD	452.40	0.20%	451.50	100.00%	451.50
4	ASHP	134.00	0.86%	132.85	100.00%	132.85
5	MHP	225.00	0.13%	224.71	100.00%	224.71
6	Micro Hydel	5.60	0.00%	5.60	100.00%	5.60
7	Total	1018.35		1014.47		1014.47
<b>III</b>	<b>PSPCL share from BBMB</b>	<b>1161.28</b>	<b>0.50%</b>	<b>1155.47</b>	<b>100.00%</b>	<b>1155.47</b>
<b>IV</b>	<b>Independent Power Producers (IPPs) within Punjab (Private Sector Projects)</b>					
1	Nabha TPP (NPL)	1400.00	5.71%	1320.06	100.00%	1320.06
2	Talwandi Sabo TPP (TSPL)	1980.00	7.00%	1841.40	100.00%	1841.40
3	GVK	540.00	9.00%	491.40	100.00%	491.40
4	Total	3920.00		3652.86		3652.86
<b>V</b>	<b>PSPCL Share from Central Sector</b>					
1	Farakka STPS	1600.00	6.47%	1496.48	1.39%	20.80
2	Kahalgaon-I	840.00	9.00%	764.40	6.07%	46.40
3	Tala	1020.00	1.00%	1009.80	2.94%	29.69
4	Kahalgaon-II STPS	1500.00	5.75%	1413.75	8.02%	113.38

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S. No.	Source	Approved Capacity (MW) (Gross)	Auxiliary Consumption and Transformation Losses (%)	Approved Injection (MW) (Net)	PSPCL's Firm Share (%)	PSPCL's Firm Share (MW)
5	Singrauli STPS	2000.00	6.88%	1862.40	10.00%	186.24
6	Rihand STPS-I	1000.00	7.75%	922.50	11.00%	101.48
7	Rihand STPS Stage-II	1000.00	5.75%	942.50	10.20%	96.14
8	Unchahar-I	420.00	9.00%	382.20	8.57%	32.75
9	Unchahar-II	420.00	9.00%	382.20	14.28%	54.58
10	Unchahar-III	210.00	9.00%	191.10	8.10%	15.48
11	Anta GPS	419.00	2.50%	408.53	11.69%	47.76
12	Auraiya GPS	663.00	2.50%	646.43	12.52%	80.93
13	Dadri NCGPS	830.00	2.50%	809.25	15.90%	128.67
14	NAPS	440.00	10.50%	393.80	11.59%	45.64
15	RAPP B	440.00	10.50%	393.80	22.73%	89.51
16	RAPP C	440.00	10.50%	393.80	10.41%	40.99
17	Bairasiul HPS	180.00	1.00%	178.20	46.50%	82.86
18	Salal HPS	690.00	1.00%	683.10	26.60%	181.70
19	Rampur HEP	412.02	1.20%	407.08	5.62%	22.88
20	Nathpa Jhakri HPS	1500.00	1.20%	1482.00	10.13%	150.13
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26	Dhauliganga HEP	280.00	1.20%	276.64	10.00%	27.66
27	Chamera HPS-II	300.00	0.70%	297.90	10.00%	29.79
28	Sewa-II HEP (3 Units)	120.00	1.00%	118.80	8.33%	9.90
29	Uri-I HPS	480.00	1.20%	474.24	13.75%	65.21
30	Uri-II HPS	240.00	1.20%	237.12	8.13%	19.28

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S. No.	Source	Approved Capacity (MW) (Gross)	Auxiliary Consumption and Transformation Losses (%)	Approved Injection (MW) (Net)	PSPCL's Firm Share (%)	PSPCL's Firm Share (MW)
31	Indira Gandhi STPS Jhajjar	1500.00	5.25%	1421.25	0.00%	0.00
32	Koteshwar HEP	400.00	1.20%	395.20	6.36%	25.13
33	Rihand-III	1000.00	5.75%	942.50	8.27%	77.92
34	Koldam	800.00	1.00%	792.00	7.73%	61.22
35	Dadri-II	980.00	5.25%	928.55	0.00%	0.00
36	Chamera-III	231.00	0.70%	229.38	7.86%	18.02
37	Chachahar-IV	500.00	5.75%	471.25	0.00%	0.00
38	Purgapur TPS (DVC)	1000.00	5.25%	947.50	20.00%	189.50
39	Faghunathpura RTPS (DVC)	1200.00	5.25%	1137.00	25.00%	284.25
40	Fragati-III(Bawana)PPCL	1371.00	3.00%	1329.87	10.00%	132.99
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43	MUNDRA Ultra mega project	4000.00	5.00%	3800.00	12.50%	475.00
44	Vokaro Thermal Power BTPS-A	500.00	5.25%	473.75	40.00%	189.50
45	Karcham Wangtoo (PTC)	1000.00	1.20%	988.00	20.00%	197.60
46	Gingrauli Small Hydro	8.00	1.00%	7.92	0.00%	0.00
47	Kishanganga HEP	330.00	1.20%	326.04	0.00%	0.00
48	Meja	1320.00	5.75%	1244.10	3.64%	45.24
49	Parbati-II	800.00	0.50%	796.00	10.00%	79.60
50	Tapovan Vishnugad	520.00	0.50%	517.40	7.81%	40.41
51	SECI-Wind Power	300.00		300.00	100.00%	300.00
52	Total	41808.02		39950.86		4701.05
VI	Grand Total (Transmission Capacity)	48047.65		45770.66		11714.25



**PUNJAB STATE TRANSMISSION CORPORATION LIMITED**

Regd. Office: PSEB Head Office, The Mall Patiala-147001, Punjab, India.

**Corporate Identity Number: U40109PB2010SGC033814 (www.pstcl.org)**

(Office of Chief Accounts Officer (Finance & Audit), ARR Section  
(3<sup>rd</sup> Floor, opp. Kali Mata Mandir, Shakti Sadan, Patiala)

**Fax/Ph. No.0175-2970183 Email : fa@pstcl.org**

To

The Secretary,  
Punjab State Electricity Regulatory Commission.  
SCO No. 220-221, Sector-34-A,  
Chandigarh.

Memo No. 63 /FA/APR-2A/2018-19

Dated: 07/11/19

**Subject: Petition for True Up of FY 2017-18, Annual Performance Review (APR) of FY 2018-19 and determination of Tariff for FY 2019-20: Deficiencies thereof.**

Please refer to your office Memo no. PSERC/M&F/2248 dated 11.12.2018 vide which the deficiencies in the subject cited Petition were intimated.

In continuation to this office memo no. 2996/FA/APR-2A/2018-19 dated 18.12.2018, it is submitted that the Cost Accounts for FY 2017-18 have been received from the Cost Accountants and stands submitted to the Cost Auditor for carrying out the Cost Audit. The Cost Audit is under process and is likely to be completed soon. Meanwhile the Copy of the Unaudited Cost Accounts duly signed by the Cost Accountants is enclosed herewith for further necessary action please.

DA/As above

o/c CAO (Finance & Audit),  
PSTCL, Patiala.  
7/11/19 7/11/19 7/11