



PUNJAB STATE TRANSMISSION CORPORATION LIMITED
(Office: Chief Engineer/P&M PSTCL, Ludhiana)

To

Dy. Chief Engineer/ IT,
PSTCL, Patiala

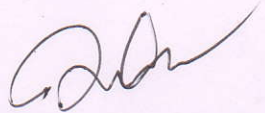
Memo No. 293 /

Dated 12/1/18.

Sub: **Technical data for the quarter ending December 2017.**

Please find enclosed herewith a subject cited information for uploading at PSTCL site.

DA/ As above


Addl. SE/ Works & Admn
O/O Chief Engineer / P&M,
PSTCL, Ludhiana.

No. of Lines & Length in Ckt. Kms

Sr. No	Name of P&M Circle	No. of S/Stns		400KV		220KV		132KV		Shunt Capacitor Capacity Installed / Operative (MVAR)			Total in (MVAR)	
		400 KV	220 KV	D/C	S/C	D/C	S/C	D/C	S/C	132KV	66KV	33 KV		11 KV
1.	Amritsar	-	16	1	127.416	7	22	9	27	141	424	-	195	760
2.	Bathinda	1	17	2	391.094	6	11	3	18	152	448	-	179	779
3.	Jalandhar	1	12	1	105.444	8	19	4	42	76	325	5	199	605
4.	Ludhiana	1	26	1	279.054	14	44	1	21	11	759	-	172	942
5.	Patiala	2	25	3	367.746	15	30	1	15	-	898	-	120	1018
	TOTAL	5	96	8	1270.754	50	126	18	123	380	2854	5	865	4104
										380	2837	5	863	4085
		170		1599.754		6781.597		3135.640						

No of Bays	P&M Circle	400KV		132KV		66KV		33KV		No. of P/T/Fs & Capacity				Total Capacity in MVA							
		T/F	Line	T/F	Line	T/F	Line	T/F	Line	No of T/F	Capacity in MVA	No of T/Fs	Capacity in MVA								
	Amritsar	-	-	36	66, 4	65	85	4	5	64	102	2	19	1	2	65	4100.00	45	1139.50	110	5239.50
	Bathinda	2	4	38	66, 4	85	63	1	5	74	109	2	16	-	-	79	4590.00	53	1179.17	134	6399.17
	Jalandhar	2	6	24	50, 3	62	62	-	2	32	82	1	13	2	9	49	3322.50	62	1559.00	113	5511.50
	Ludhiana	2	6	52	85, 5	24	22	1	2	104	147	3	24	-	-	120	7310	17	290.00	139	8230.00
	Patiala	5	8	59	110, 12	16	24	1	-	103	168	5	25	1	1	101	6966.50	15	367.50	120	9334.00
	Total	11	24	207	377, 28	251	256,	7	14	377	608,	13	97	4	12	414	26289.00	192	4535.17	616	34714.17

Voltage Wise No. of Power Transformers & Capacity in MVA					
	400KV	132KV	66KV	33KV	Total (Nos.)
400KV S/Stns	10Nos 3890.00MVA	-----	-----	-----	10Nos 3890.00MVA
220KV S/Stns.	207 Nos 22150.00 MVA	41 Nos 995.00 MVA	166 Nos 3144.00 MVA	-----	414 Nos 26289.00 MVA
132KV S/Stns.	-----	186Nos 4457.67MVA	5 Nos 72.50 MVA	1 Nos 5.00 MVA	192 Nos 4535.17 MVA
TOTAL	10Nos 3890.00MVA	207 Nos 22150.00 MVA	171 Nos 3216.50 MVA	1 No 5.00 MVA	616 Nos 34714.17 MVA

Total No. of Power Transformer installed ending 31.12.2017 on 220KV & 132KV S/S under P&M Organization

	400KV	220KV	132KV	66KV	33KV	Total
Amritsar 220KVS/S	----	1x160,33x100, 1x50 35 (3510)	4(92.50)	26(497.50)	----	(65) 4100.00 MVA
132KV S/S	----		43 (1099.50)	2 (40.00)	----	(45) 1139.50 MVA
Bathinda 400KV S/S	2x315 (630)	----	----	----	----	(2) 630.00 MVA
220KV S/S	----	1x160,35x100, 36 (3660)	21(557.50)	22(372.50)	----	(79) 4590.00 MVA
132KV S/S	----		51(1159.17)	2(20.00)	----	(53) 1179.17 MVA
Jalandhar 400KV S/S	2x315 (630)	----	----	----	----	(2) 630.00 MVA
220KV S/S	----	2x160, 26x100 28 (2920)	6(117.50)	15(285.00)	----	(49) 3322.50 MVA
132KV S/S	----		62 (1559.00)	----	----	(62)1559.00 MVA
Ludhiana 400KV S/S	2x315 (630)	----	----	----	----	(2) 630.00 MVA
220kv S/S	----	10x160, 44x100 54 (6000)	8(187.50)	58(1122.50)	----	(120) 7310.00 MVA
132kv S/S	----		17(290.00)	----	----	(17) 290.00 MVA
Patiala 400KV S/S	4x500 (2000)	----	----	----	----	(4) 2000.00 MVA
220KV S/S	----	11x160, 43x100 54 (6060.00)	2(40.00)	45(866.50)	----	(101) 6966.50 MVA
132KV S/S	----		13(350.00)	1(12.50)	1(5.00)	(15) 367.50 MVA
Total 400KV S/S	10Nos 3890.00MVA	----	----	----	----	10Nos 3890.00MVA
220KV S/S	----	207 Nos 22150.00 MVA	41 Nos 995.00 MVA	166 Nos 3144.00 MVA	----	414Nos 26289.00 MVA
132KV S/S	----	----	186 Nos 4457.67 MVA	5 Nos 72.50 MVA	1Nos 5.00MVA	192 Nos 4535.17 MVA
Grand Total	10Nos 3890.00MVA	207 Nos 22150.00 MVA	227 Nos 5452.67 MVA	171 Nos 3216.50 MVA	1 Nos 5.00 MVA	616 Nos 34714.17 MVA