

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 31.12.2014

Sr. No	Name of P&M Circle	No. of S/Stns			No. of Lines & Length in Ckt. Kms						Shunt Capacitor Capacity Installed / Operative (MVAR) 132KV/66KV/33/11KV				Total in (MVAR)
		400 KV	220 KV	132 KV	400KV		220kV		132kV		132KV	66KV	33 KV	11 KV	Installed/ Operative
					D/C	S/C	D/C	S/C	D/C	S/C					
1.	Amritsar	-	16	22	1 127.416	--	20 957.158	3 88.506	13 645.220	23 305.717	141 141	396 396	- -	225 222	762 759
2.	Bathinda	1	14	21	2 391.094	2 256.000	21 1118.300	9 409.304	7 16.884	26 609.426	152 152	309 309	17 17	168 168	646 646
3.	Jalandhar	1	10	19	1 105.444	1 73.000	6 253.290	16 605.234	1 16.000	39 847.829	76 76	281 281	5 5	154 154	516 516
4.	Ludhiana	1	24	7	---	1 139.527	16 981.364	29 604.570	1 42.000	13 349.713	11 11	635 635	- -	151 151	797 797
5.	Patiala	1	24	5	3 367.746	--	5 273.438	12 321.624	1 76.000	15 205.877	- -	842 842	- -	126 126	968 968
TOTAL		4	88	74	7 991.700	4 468.527	68 3583.550	69 2029.238	23 796.104	116 2318.562	380 380	2463 2463	22 22	824 821	3689 3686
					1460.227		5612.788		3112.202						

No of Bays	No. of P/T/Fs & Capacity										Total							
	400KV		220KV		132KV		66KV		33KV		400KV S/S		220KV S/S		132KV S/S		Total	
	T/F	Line	T/F	Line	T/F	Line	T/F	Line	T/F	Line	No of T/F	Capacity in MVA	No of T/F	Capacity in MVA	No of T/Fs	Capacity in MVA	No of T/Fs	Capacity in MVA
Amritsar	-	-	37	81, 3BC	68	87, 3BC, 5CB	40	84, 2BC, 16CB	-	3	-	-	64	3975.00	58	1442.00	122	5417.00
Bathinda	3	6, 1BC	27	50, 4BC	84	54, 1BC, 5CB	60	87, 2BC, 13CB	5	13, 3 CB	2	630	58	3512.50	61	1330.17	121	5472.67
Jalandhar	2	4	16	35, 2BC	66	48, 1CB	28	40, 1BC, 9CB	15	25, 3CB	2	630	39	2262.00	52	1375.50	93	4267.50
Ludhiana	2	6	49	61, 5BC	29	24, 1BC	82	114, 1BC, 17CB	1	2, 1CB	2	630	108	6425.00	14	236.00	124	7291.00
Patiala	2	4	48	85, 10BC, 1CB	16	24, 1BC	90	168, 6BC, 26CB	1	1	2	1000	96	6022.50	14	347.50	112	7370.00
Total	9	21	177	312 24BC 1CB	263	237, 6BC, 11CB	300	493, 12BC, 81CB	22	44, 7CB	8	2890	365	22197.00	199	4731.17	572	29818.17

Voltage Wise No. of Power Transformers & Capacity in MVA						
	400KV	220kV	132kV	66kV	33kV	Total (Nos.)
400KV S/Stns	8Nos 2890.00MVA	----	----	----	----	8Nos 2890.00MVA
220kV S/Stns.	----	178 Nos 18540.00 MVA	37 Nos 837.00 MVA	150 Nos 2820.00 MVA	-	365 Nos 22197.00 MVA
132kV S/Stns.	----	----	194Nos 4763.67MVA	4 Nos 52.50 MVA	1 Nos 5.00 MVA	199 Nos 4731.17 MVA
TOTAL	8Nos 2890.00MVA	178 Nos 18540.00 MVA	231Nos 5810.67 MVA	154 Nos 2872.50 MVA	1 No 5.00 MVA	572 Nos 29818.17MVA

Total No. of Power Transformer installed ending 31.12.2014 on 220KV & 132KV S/S under P&M Organization

	400KV	220KV	132kV	66kV	33kV	Total
Amritsar 220kV S/S 132kV S/S	- -	34x100, 1x50 -	2(22.50) 57(1422.00)	27(502.50) 1 (20.00)	- -	(64) 3975.00 MVA (58) 1442.00 MVA
Bathinda 400KV S/S 220kV S/S 132kV S/S	2x315 - -	- 1x160 27x100, 1x50	- 15(375.00) 58(1297.67)	- 14(227.50) 3(32.50)	- - -	(2) 630.00 MVA (58) 3512.50 MVA (61) 1330.67 MVA
Jalandhar 400KV S/S 220kV S/S 132kV S/S	2x315 - -	- 1x160, 17x100 -	- 9(192.00) 52(1375.50)	- 12(210.00) -	- - -	(2) 630.00 MVA (39) 2262.00 MVA (52) 1375.50 MVA
Ludhiana 400KV S/S 220kV S/S 132kV S/S	2x315 - -	- 7x160, 41x100 -	- 9(207.50) 14(236.00)	- 51(997.50) -	- - -	(2) 630.00 MVA (108) 6425.00 MVA (14) 236.00 MVA
Patiala 400KV S/S 220kV S/S 132kV S/S	2x500 - -	- 5x160, 43x100	- 2(40.00) 13(342.50)	- 46(882.50) -	- - 1(5.00)	(2) 1000.00 MVA (96) 6022.50 MVA (14) 347.50 MVA
Total 400KV S/S	<u>8Nos</u> 2890.00MVA	-	-	-	-	<u>8 Nos</u> 2890.00MVA
220KV S/S	-	<u>178 Nos</u> 18540.00 MVA	<u>37 Nos</u> 837.00 MVA	<u>150 Nos</u> 2820.00 MVA	----	<u>365 Nos</u> 22197.00MVA
132KV S/S	-	-----	<u>194 Nos</u> 4673.67 MVA	<u>4 Nos</u> 52.50MVA	<u>1Nos</u> 5.00MVA	<u>199 Nos</u> 4731.17 MVA
Grand Total	<u>8Nos</u> 2890.00MVA	<u>178 Nos</u> 18540.00 MVA	<u>231 Nos</u> 5510.67 MVA	<u>154 Nos</u> 2872.50MVA	<u>1 Nos</u> 5.00 MVA	<u>572 Nos</u> 29818.17 MVA