

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 30.09.2014

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	141 130	396 396	- -	225 222	762 748
2.	Bathinda	1	14	21	2 391.094	2 256.000	20 1118.300	9 409.304	7 16.884	26 609.426	152 152	287 287	38 38	168 168	645 645
3.	Jalandhar	1	10	19	1 105.444	1 73.000	6 253.290	16 605.234	1 16.000	38 845.365	76 76	281 281	5 5	153 153	516 516
4.	Ludhiana	1	24	7	---	1 139.527	15 981.364	27 604.570	1 42.000	15 349.713	11 11	635 635	- -	151 151	797 797
5.	Patiala	1	23	5	3 367.746	--	5 273.438	12 321.624	1 76.000	15 205.877	- -	734 734	- -	127 127	861 861
TOTAL		4	87	74	7 991.700	4 468.527	66 3583.550	67 2029.238	23 796.104	117 2316.098	380 369	2333 2333	43 43	824 821	3580 3566
					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		No of T/Fs	Capacity in MVA
	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		
Amritsar	-	-	37	81, 3BC	68	87, 3BC, 5CB	40	84, 2BC, 16CB	-	3	-	-	63	3875.00	58	1442.00	121	5317.00
Bathinda	2	2	27	50, 4BC	84	54, 1BC, 5CB	60	87, 2BC, 13CB	5	13, 3 CB	2	630	58	3512.50	60	1310.17	120	5452.67
Jalandhar	2	4	16	35, 2BC	66	48, 1CB	28	40, 1BC, 9CB	15	25, 3CB	2	630	38	2242.00	51	1350.50	91	4222.50
Ludhiana	2	6	49	61, 5BC	29	24, 1BC	82	114, 1BC, 17CB	1	2, 1CB	2	630	109	6497.50	14	236.00	125	7363.50
Patiala	2	4	45	81	16	24	89	168, 6BC, 16CB	1	1	2	1000	93	5802.50	14	347.50	109	7150.00
Total	8	16	174	308 14BC	263	237, 5BC, 11CB	299	493, 12BC, 71CB	22	44, 7CB	8	2890	361	21929.50	197	4686.17	566	29505.67

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.	----	175 Nos 18240.00 MVA	40 Nos 957.00 MVA	146 Nos 2732.50 MVA	----	361 Nos 21929.50 MVA
132kV S/Stns.	----	----	193 Nos 4641.17MVA	3 Nos 40.00 MVA	1 Nos 5.00 MVA	197 Nos 4686.17 MVA
TOTAL	8Nos 2890.00MVA	175 Nos 18240.00 MVA	233Nos 5598.17 MVA	149 Nos 2772.50 MVA	1 No 5.00 MVA	566 Nos 29505.67MVA

Total No. of Power Transformer installed ending 30.09.2014 on 220KV & 132KV S/S under P&M Organization

	400KV	220KV	132kV	66kV	33kV	Total
Amritsar 220kV S/S 132kV S/S	- -	33x100, 1x50 -	2(22.50) 57(1422.00)	27(502.50) 1 (20.00)	- -	(63) 3875.00 MVA (58) 1442.00 MVA
Bathinda 400KV S/S 220kV S/S 132kV S/S	2x315 - -	- 1x160 27x100, 1x50	- 15(375.00) 58(1290.17)	- 14(227.50) 2(20.00)	- - -	(2) 630.00 MVA (58) 3512.50 MVA (60) 1310.17 MVA
Jalandhar 400KV S/S 220kV S/S 132kV S/S	2x315 - -	- 1x160, 17x100	- 9(192.00) 51(1350.50)	- 11(190.00) -	- - -	(2) 630.00 MVA (38) 2242.00 MVA (51) 1350.50 MVA
Ludhiana 400KV S/S 220kV S/S 132kV S/S	2x315 - -	- 7x160, 41x100	- 12(327.50) 14(236.00)	- 49(950.00) -	- - -	(2) 630.00 MVA (109) 6497.50 MVA (14) 236.00 MVA
Patiala 400KV S/S 220kV S/S 132kV S/S	2x500 - -	- 5x160, 41x100	- 2(40.00) 13(342.50)	- 45(862.50) -	- - 1(5.00)	(2) 1000.00 MVA (93) 5802.50 MVA (14) 347.50 MVA
Total 400KV S/S	8Nos 2890.00MVA	-	-	-	-	8 Nos 2890.00MVA
220KV S/S	-	175 Nos 18240.00 MVA	40 Nos 957.00 MVA	146 Nos 2732.50 MVA	----	361 Nos 21929.50MVA
132KV S/S	-	-----	193 Nos 4641.17 MVA	3 Nos 40.00MVA	1Nos 5.00MVA	197 Nos 4686.17 MVA
Grand Total	8Nos 2890.00MVA	175 Nos 18240.00 MVA	233 Nos 5598.17 MVA	149 Nos 2772.50MVA	1 Nos 5.00 MVA	566 Nos 29505.67 MVA