

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 31.03.2014

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)
		400KV	220 KV	132 KV	66 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	-	---	--	20	3	13	23	141	396	-	225	762
								957.158	88.506	645.220	305.717	119	396	-	222	737
2.	Bathinda	-	13	21	1	---	--	20	9	7	26	152	286	38	168	644
								1114.30	409.304	16.884	609.426	152	286	33	168	639
3.	Jalandhar	-	9	20	-	---	--	5	16	1	38	76	280	16	154	526
								222.510	605.234	16.000	845.365	76	280	16	154	526
4.	Ludhiana	1	23	8	-	---	--	15	27	1	15	11	614	-	151	776
								981.364	604.570	42.000	349.713	11	614	-	151	776
5.	Patiala	1	22	5	-	3	--	4	12	1	15	-	680	-	126	806
						367.746		216.200	321.624	76.000	205.877	-	680	-	126	806
TOTAL		2	83	76	1	3	--	64	67	23	117	380	2256	54	824	3514
						367.746		3491.532	2029.238	796.104	2316.098	358	2256	49	821	3484
								5520.770		3112.202						

P&M Circle	No of Bays										No. of P/T/Fs & Capacity							
	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	-	-	63	3860.00	58	1402.00	121	5262.00
Bathinda	-	--	25	49, 4BC	84	54, 1BC, 5CB	56	87, 2BC, 13CB	5	13, 3 CB	-	-	53	3180.00	60	1298.67	113	4478.67
Jalandhar	-	-	15	35, 2BC	66	48, 1CB	28	40, 1BC, 9CB	15	25, 3CB	-	-	34	1997.5*	54	1375.50	88	3373.00
Ludhiana	2	-	46	61, 5BC	29	24, 1BC	81	114, 1BC, 17CB	1	2, 1CB	2	630	103	6120.00	18	376.00	123	7126.00
Patiala	2	2	39	77	16	24	76	168, 6BC, 16CB	1	1	2	1000	90	5560.00	14	313.50	106	6873.50
Total	4	2	158	297 14BC	261	237, 5BC, 11CB	281	493, 12BC, 71CB	22	44, 7CB	4	1630	343	20717.50	204	4765.67	551	27113.17

Voltage Wise No. of Power Transformers & Capacity in MVA						
	400KV	220kv	132kv	66kv	33kv	Total (Nos.)
400KV S/Stns	4Nos 1630.00MVA	----	----	----	----	4Nos 1630.00MVA
220KV S/Stns.	----	166 Nos 17280.00 MVA	34 Nos 807.00 MVA	143 Nos 2630.50 MVA	-	343 Nos 20717.50 MVA
132KV S/Stns.	----	----	200 Nos 4728.17MVA	3 Nos 32.50 MVA	1 Nos 5.00 MVA	204 Nos 4765.67 MVA
TOTAL	4Nos 1630.00MVA	166 Nos 17280.00 MVA	234Nos 5535.17 MVA	146 Nos 2663.00 MVA	1 No 5.00 MVA	551 Nos 27113.67MVA

Total No. of Power Transformer installed ending 31.03.2014 on 220KV & 132KV S/S under P&M Organization

	400KV	220KV	132kV	66kV	33kV	Total
Amritsar 220kVS/S 132kV S/S	- -	33x100, 1x50 -	2(22.50) 58(1402.00)	27(487.50) -	- -	(63) 3860.00 MVA (58) 1402.00 MVA
Bathinda 220kV S/S 132kV S/S	- -	1x160 24x100, 1x50	15(367.50) 57(1266.17)	12(202.50) 3(32.50)	- -	(53) 3180.00 MVA (60) 1298.67 MVA
Jalandhar 220kV S/S 132kV S/S	- -	1x160, 15x100 -	7(159.50) 54(1375.50)	11(178.00) -	- -	(34) 1997.50 MVA (54) 1375.50 MVA
Ludhiana 400KV S/S 220kV S/S 132kV S/S	2x315 - -	- 6x160, 40x100 -	- 8(217.50) 18(376.00)	- 49(942.50) -	- - -	(2) 630.00 MVA (103) 6120.00 MVA (18) 376.00 MVA
Patiala 400KV S/S 220kV S/S 132kV S/S	2x500 - -	- 5x160, 39x100	- 2(40.00) 13(308.50)	- 44(820.00) -	- - 1(5.00)	(2) 1000.00 MVA (90) 5560.00 MVA (14) 313.50 MVA
Total 400KV S/S	4Nos 1630.00MVA	-	-	-	-	4 Nos 1630.00MVA
220KV S/S	-	166 Nos 17280.00 MVA	34 Nos 807.00 MVA	143 Nos 2630.50 MVA	----	343 Nos 20717.50MVA
132KV S/S	-	-----	200 Nos 4728.17 MVA	3 Nos 32.50MVA	1Nos 5.00MVA	204 Nos 4765.67 MVA
Grand Total	4Nos 1630.00MVA	166 Nos 17280.00 MVA	234 Nos 5535.17 MVA	146 Nos 2663.00MVA	1 Nos 5.00 MVA	551 Nos 27113.17 MVA