

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 31.03.2015 (Revised)

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	396	-	225	762	
2.	Bathinda	1	14	21	2 391.094	2 256.000	22 1194.538	9 409.304	7 16.884	26 609.426	152	308	17	168	645	
3.	Jalandhar	1	10	19	1 105.444	1 73.000	6 253.290	16 605.234	1 16.000	39 847.829	76	281	5	154	516	
4.	Ludhiana	1	24	7	1 279.054	--	16 981.364	30 612.230	1 42.000	13 349.713	11	635	-	151	797	
5.	Patiala	1	24	5	3 367.746	--	5 273.438	12 321.624	1 76.000	15 205.877	-	854	-	126	980	
TOTAL		4	88	74	87 1270.754	3 329.00	69 3659.788	70 2036.898	23 796.104	116 2318.562	380 380	2474 2464	22 22	824 821	3700 3687	
					1599.754		5696.686		3114.666							

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	Reactor	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	-	-	-	38	81, 3BC	68	87, 3BC, 5CB	41	84, 2BC, 16CB	-	3	-	-	64	3975.00	58	1449.50	122	5424.50
Bathinda	2	4	-	27	50, 4BC	84	54, 1BC, 5CB	60	87, 2BC, 13CB	5	13, 3CB	2	630	58	3512.50	61	1360.17	121	5502.67
Jalandhar	2	6	1	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	1	49	61, 5BC	30	24, 1BC	84	114, 1BC, 17CB	1	2, 1CB	2	630	110	6465.00	15	248.50	127	7343.50
Patiala	2	4	-	48	85, 10BC, 1CB	16	24, 1BC	91	168, 6BC, 26CB	1	1	2	1000	97	6095.00	14	347.50	113	7442.50
Total	8	20	2	178	312 24BC 1CB	264	237, 6BC, 11CB	304	493, 12BC, 81CB	22	44, 7CB	8	2890	368	22309.50	200	4781.17	576	29980.67

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.	----	178 Nos 18600.00 MVA	37 Nos 837.00 MVA	153 Nos 2872.50 MVA	-	368 Nos 22309.50 MVA
132kV S/Stns.	---	---	194Nos 4703.67MVA	5 Nos 72.50 MVA	1 Nos 5.00 MVA	200 Nos 4781.17 MVA
TOTAL	8Nos 2890.00MVA	178 Nos 18600.00 MVA	231Nos 5540.67 MVA	158 Nos 2945.00 MVA	1 No 5.00 MVA	576 Nos 29980.67MVA

Total No. of Power Transformer installed ending 31.03.2015 on 220KV & 132KV S/S under P&M Organization

	400KV	220KV	132KV	66kV	33kV	Total
Amritsar 220kV S/S	-	34x100, 1x50 (3450)	2(22.50)	27(502.50)	-	(64) 3975.00 MVA
132kV S/S	-		56(1409.50)	2 (40.00)	-	(58) 1449.50 MVA
Bathinda 400KV S/S	2x315 (630)	-	-	-	-	(2) 630.00 MVA
220kV S/S	-	1x160 27x100, 1x50 (2910)	15(375.00)	14(227.50)	-	(58) 3512.50 MVA
132kV S/S	-		58(1327.67)	3(32.50)	-	(61) 1360.17 MVA
Jalandhar 400KV S/S	2x315 (630)	-	-	-	-	(2) 630.00 MVA
220kV S/S	-	1x160, 17x100 (1860)	9(192.00)	12(210.00)	-	(39) 2262.00 MVA
132kV S/S	-		52(1375.50)	-	-	(52) 1375.50 MVA
Ludhiana 400KV S/S	2x315 (630)	-	-	-	-	(2) 630.00 MVA
220kV S/S	-	7x160, 41x100 (5220)	9(207.50)	53(1037.50)	-	(110) 6465.00 MVA
132kV S/S	-		15(248.50)	-	-	(15) 248.50 MVA
Patiala 400KV S/S	2x500 (1000)	-	-	-	-	(2) 1000.00 MVA
220kV S/S	-	6x160, 42x100 (5160)	2(40.00)	47(895.00)	-	(97) 6095.00 MVA
132kV S/S	-		13(342.50)	-	1(5.00)	(14) 347.50 MVA
Total 400KV S/S	8Nos 2890.00MVA	-	-	-	-	8 Nos 2890.00MVA
220KV S/S	-	178 Nos 18600.00 MVA	37 Nos 837.00 MVA	153 Nos 2872.50 MVA	----	368 Nos 22309.50MVA
132KV S/S	-	-----	194 Nos 4703.67 MVA	5 Nos 72.50MVA	1Nos 5.00MVA	200 Nos 4781.17 MVA
Grand Total	8Nos 2890.00MVA	178 Nos 18600.00 MVA	231 Nos 5540.67 MVA	158 Nos 2945.00MVA	1 Nos 5.00 MVA	576 Nos 29980.67 MVA