

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 31.03.2016

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	-	6	25	12	26	141	396	-	233	770
2.	Bathinda	1	16	20	127.416	-	322.744	725.951	467.220	483.717	141	396	-	233	770
					3	2	17	28	2	32	152	427	-	179	758
					566.294	256.000	1007.084	1149.568	6.600	619.710	152	427	-	179	758
3.	Jalandhar	1	10	19	1	1	7	16	1	40	76	281	5	149	512
4.	Ludhiana	1	24	7	105.444	73.000	308.864	605.234	16.000	852.137	76	281	5	149	512
5.	Patiala	1	23	5	1	-	11	37	1	14	11	679	-	151	841
					279.054	-	714.136	882.421	42.000	349.713	11	679	-	151	841
					2	-	4	14	1	15	-	897	-	117	1014
					192.546	-	319.780	348.523	76.000	207.127	-	897	-	117	1014
	TOTAL	4	89	73	8	3	45	120	17	127	380	2680	5	829	3895
					1270.754	329.00	2672.608	3711.697	607.820	2512.404	380	2680	5	829	3895
					1599.754		6384.305		3120.224						

P&M Circle	400KV				220KV			132KV			66KV			33KV		No. of P/T/Fs & Capacity						
	T/F	Line	Reac tor	Tie Breaker	T/F	Line BC	T/F	Line BC CB	T/F	Line BC CB	T/F	Line	T/F	Line	400KV S/S		220KV S/S		132KV S/S		Total	
															No of T/F	Capacit y in MVA	No of T/F	Capacity in MVA	No of T/Fs	Capacity in MVA	No of T/Fs	Capacity in MVA
Amritsar	-	-	-	-	36	65, 3	65	85 4 5	64	102 - 19	-	2	-	-	-	-	65	4090.00	58	1449.50	123	5539.50
Bathinda	2	4	1	5	35	59, 4	84	61 1 5	74	108 2 16	-	-	2	630	74	4212.50	56	1242.67	132	6085.17		
Jalandhar	2	6	1	5	22	50, 3	62	62 - 2	32	82, 1 13	2	9	2	630	38	2395.00	55	1430.50	95	4455.50		
Ludhiana	2	6	1	5	50	82, 5	24	20 1 1	100	146 2 24	-	-	2	630	111	6565.00	17	288.50	130	7483.50		
Patiala	2	4	-	4	50	99, 11	15	24 1 -	98	165 5 25	1	1	1	500	95	6175.00	15	360.00	111	7035.00		
Total	8	20	3	19	193	355, 26	250	252, 7 13	368	603, 10 97	3	12	7	2390	383	23437.50	201	4771.17	591	30598.67		

Voltage Wise No. of Power Transformers & Capacity in MVA						
	400KV	220kV	132kV	66kV	33kV	Total (Nos.)
400KV S/Stns	7Nos 2390.00MVA	---	---	---	---	7Nos 2390.00MVA
220kV S/Stns.	---	186 Nos 19570.00 MVA	39 Nos 887.50 MVA	158 Nos 2980.00 MVA	-	383 Nos 23437.50 MVA
132kV S/Stns.	---	---	195Nos 4693.67MVA	5 Nos 72.50 MVA	1 Nos 5.00 MVA	201 Nos 4771.17 MVA
TOTAL	7Nos 2390.00MVA	186 Nos 19570.00 MVA	234Nos 5581.17 MVA	163 Nos 3052.50 MVA	1 No 5.00 MVA	591 Nos 30598.67 MVA

Total No. of Power Transformer installed ending 31.03.2016 on 220KV & 132KV S/S under P&M Organization

	400KV	220KV	132kv	66kv	33kv	Total
Amritsar 220kVS/S	-	35x100, 1x50 (3550)	2(22.50)	27(517.50)	-	(65) 4090.00 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 32x100, (3360)	21(520.00)	20(332.50)	-	(74) 4212.50 MVA
132kv S/S	-		53(1210.17)	3(32.50)	-	(56) 1242.67 MVA
Jalandhar 400KV S/S	2x315 (630)	-	-	-	-	(2) 630.00 MVA
220kv S/S	-	1x160, 19x100 (2060)	5(97.50)	13(237.50)	-	(38) 2395.00 MVA
132kv S/S	-		55(1430.50)	-	-	(58)1430.50 MVA
Ludhiana 400KV S/S	2x315 (630)	-	-	-	-	(2) 630.00 MVA
220kv S/S	-	7x160, 42x100 (5320)	9(207.50)	53(1037.50)	-	(111) 6565.00 MVA
132kv S/S	-		17(288.50)	-	-	(17) 288.50 MVA
Patiala 400KV S/S	1x500 (500)	-	-	-	-	(1) 500.00 MVA
220kv S/S	-	8x160, 40x100 (5280)	2(40.00)	45(855)	-	(95) 6175.00 MVA
132kv S/S	-		14(355.00)	-	1(5.00)	(15) 360.00 MVA
Total 400KV S/S	7Nos 2390.00MVA	-	-	-	-	7Nos 2390.00MVA
220KV S/S	-	186 Nos 19570.00 MVA	39 Nos 887.50 MVA	158 Nos 2980.00 MVA	----	383 Nos 23437.50 MVA
132KV S/S	-	-----	195 Nos 4693.67 MVA	5 Nos 72.50MVA	1Nos 5.00MVA	201 Nos 4771.17 MVA
Grand Total	7Nos 2390.00MVA	186 Nos 19570.00 MVA	234 Nos 5581.17 MVA	163 Nos 3052.50 MVA	1 Nos 5.00 MVA	591 Nos 30598.67 MVA