

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 30.06.2016

Sr. No	Name of P&M Circle	No. of S/Ss			No. of Lines & Length in Ckt. Kms						Shunt Capacitor Capacity Installed / Operative (MVAR)				Total In (MVAR)
		400 KV	220 KV	132 KV	400KV		220kV		132kV		132KV	66KV	33 KV	11 KV	
					D/C	S/C	D/C	S/C	D/C	S/C					
1	Amritsar	-	16	16	1	-	6	25	12	26	141	423	-	195	759
					127.416	-	322.744	725.951	467.220	483.717	141	423	-	195	759
2	Bathinda	1	17	19	3	2	18	31	2	32	152	427	-	179	758
					566.294	256.000	1070.184	1278.082	6.600	618.710	152	427	-	179	758
3	Jalandhar	1	11	23	1	1	7	16	1	40	76	281	5	198	558
					105.444	73.000	308.854	505.234	16.000	852.137	76	281	5	198	558
4	Ludhiana	1	24	8	1	-	11	37	1	14	11	759	-	172	942
					279.054	-	714.136	882.421	42.000	349.713	11	759	-	172	942
5	Patiala	2	24	5	2	-	4	14	1	15	-	898	-	118	1016
					192.546	-	319.780	348.523	76.000	207.127	-	898	-	118	1016
	TOTAL	4	92	71	8	3	46	123	17	127	380	2788	5	861	4034
					1270.754	329.60	2735.708	3840.211	607.820	2512.404	380	2788	5	861	4033
					1599.754		6575.919		3120.224						

No. of Bays	P&M Circle	No. of P/Ts & Capacity														Total										
		400kV				220KV			132KV			66KV			33KV		400KV S/S		220KV S/S		132KV S/S					
		T/F	Line	Reactor	Tie Breaker	T/F	Line	BC	T/F	Line	BC	CB	T/F	Line	BC	CB	T/F	Line	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	-	66	4142.50	45	1114.50	111	5257.00	
	Bathinda	1	4	1	5	17	65	4	84	61	1	5	74	108	2	16	-	-	2	630	77	4382.50	52	1185.17	131	6147.67
	Jalandhar	2	6	1	5	22	50	3	62	62	-	2	32	82	1	13	2	9	2	630	43	2735.00	63	1575.50	108	4940.50
	Ludhiana	2	6	1	5	50	82	5	24	26	1	1	100	146	2	24	-	-	2	630	112	6577.50	19	358.50	133	7566.00
	Patiala	2	4	-	4	50	96	11	15	24	1	-	93	165	5	25	1	1	1	500	96	6335.00	15	360.00	112	7195.00
	Total	8	20	3	19	193	355	26	250	252	7	13	368	603	10	97	3	12	7	2390.00	394	24172.50	194	4543.67	595	31106.17

Voltage Wise No. of Power Transformers & Capacity in MVA						
	400KV	220KV	132KV	66KV	33KV	Total (Nos.)
400KV S/Ss	7Nos 2390.00MVA	---	---	---	---	7Nos 2390.00MVA
220KV S/Ss	---	190 Nos 20090.00 MVA	43 Nos 1057.50 MVA	151 Nos 3025.00 MVA	---	394 Nos 24172.50 MVA
132KV S/Ss	---	---	188Nos 4466.17MVA	5 Nos 72.50 MVA	1 Nos 5.00 MVA	194 Nos 4543.67 MVA
TOTAL	7Nos 2390.00MVA	190 Nos 20090.00 MVA	231Nos 5523.67 MVA	156 Nos 3097.50 MVA	1 No 5.00 MVA	595 Nos 31106.17 MVA

Total No. of Power Transformer installed ending 30.06.2016 on 220KV & 132KV S/S under P&M Organization

	400KV	220KV	132KV	66KV	32KV	Total
Amritsar 220KVS/S	----	1x160,33x100, 1x50 (3510)	6(155)	25(477.50)	----	(66) 4142.50 MVA
132KV S/S	----		43(1074.50)	2 (40.00)	----	(45) 1114.50 MVA
Bathinda 400KV S/S	2x315 (630)	----	----	----	----	(2) 630.00 MVA
220KV S/S	----	1x160,33x100, (3460)	21(557.50)	22(365.00)	----	(77) 4382.50 MVA
132KV S/S	----		50(1115.17)	2(20.00)	----	(52) 1135.17 MVA
Jalandhar 400KV S/S	2x315 (630)	----	----	----	----	(2) 630.00 MVA
220KV S/S	----	1x160, 22x100 (2360)	5(97.50)	15(277.50)	----	(43) 2735.00 MVA
132KV S/S	----		63 (1575.50)	----	----	(63)1575.50 MVA
Ludhiana 400KV S/S	2x315 (630)	----	----	----	----	(2) 630.00 MVA
220kv S/S	----	7x160, 42x100 (5320)	9(207.50)	54(1050.00)	----	(112) 6577.50 MVA
132kv S/S	----		19(358.50)	----	----	(19) 358.50 MVA
Patiala 400KV S/S	1x500 (500)	----	----	----	----	(1) 500.00 MVA
220KV S/S	----	9x160, 40x100 (5440.00)	2(40.00)	45(855)	----	(96) 6335.00 MVA
132KV S/S	----		13(342.50)	1(12.50)	1(5.00)	(15) 360.00 MVA
Total 400KV S/S	<u>7Nos</u> 2390.00MVA	----	----	----	----	<u>7Nos</u> 2390.00MVA
220KV S/S	----	<u>190 Nos</u> 20090.00 MVA	<u>43 Nos</u> 1057.50 MVA	<u>161 Nos</u> 3025.00 MVA	----	<u>394Nos</u> 24172.50 MVA
132KV S/S	----	----	<u>188 Nos</u> 4466.17 MVA	<u>5 Nos</u> 72.50 MVA	<u>1Nos</u> 5.00MVA	<u>194 Nos</u> 4543.67 MVA
Grand Total	<u>7Nos</u> 2390.00MVA	<u>190 Nos</u> 20090.00 MVA	<u>231 Nos</u> 5523.67 MVA	<u>166 Nos</u> 3097.50 MVA	<u>1 Nos</u> 5.00 MVA	<u>595 Nos</u> 31106.17 MVA