

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 30.09.2016
No. of Lines & Length in Ckt. Kms

Sr. No	Name of P&M Circle	No. of S/Sms			400KV			220KV			132KV			Shunt Capacitor Capacity Installed / Operative (MVAR)			Total in (MVAR)
		KV	KV	KV	D/C	S/C	D/C	S/C	D/C	S/C	D/C	S/C	132KV	66KV	33KV	11KV	
1.	Amritsar	-	16	16	1	-	6	25	12	26	141	424	424	195	195	760	760
2.	Bathinda	1	17	19	3	2	18	31	3	32	152	427	417	179	179	758	748
3.	Jalandhar	1	11	23	1	1	7	16	1	40	76	281	281	199	199	561	561
4.	Ludhiana	1	25	7	1	-	11	37	1	14	11	758	758	172	172	941	941
5.	Patiala	2	24	5	2	-	4	14	1	15	-	898	898	117	117	1015	1015
TOTAL		5	93	70	8	3	46	123	18	127	380	2788	2778	864	862	4037	4025
					1599.754			6575.919			3125.184						

No of Bays	P&M Circle	400KV			220KV			132KV			66KV			33KV			No. of P/T/Fs & Capacity			Total Capacity in MVA					
		T/F	Line	Reac tor	Tie Breaker	T/F	Line BC	T/F	Line BC CB	T/F	Line BC CB	T/F	Line	No of of T/F	Capacit y in MVA	No of T/Fs	Capacit y in MVA	No of T/Fs							
-	Amritsar	-	-	-	-	36	66.3	65	85	4	5	64	102	-	19	-	2	66	4142.50	45	1114.50	111	5257.00		
2	Bathinda	2	4	1	5	38	65.4	85	63	1	5	74	108	2	16	-	2	78	4482.50	53	1147.67	133	6260.17		
2	Jalandhar	2	6	1	5	22	50.3	62	62	-	2	32	82.	1	13	2	2	43	2735.00	63	1575.50	108	4940.50		
2	Ludhiana	2	6	1	5	51	82.5	24	22	1	1	103	146	2	24	-	2	117	6847.50	17	288.50	136	7566.00		
3	Patiala	3	8	-	4	52	103.11	15	24	1	-	99	166	5	25	1	1	96	6335.00	15	360.00	114	8195.00		
Total		9	24	3	19	199	366.26	251	256.	7	13	372	604.	10	97	3	12	9	3390	400	24542.50	193	4486.17	602	32418.67

Voltage Wise No. of Power Transformers & Capacity in MVA

No of Bays	400KV		220KV		132KV		66KV		33KV		Total (Nos.)	
	S/Sms	Capacity	S/Sms	Capacity	S/Sms	Capacity	S/Sms	Capacity	S/Sms	Capacity	S/Sms	Capacity
	9Nos	3390.00MVA	-	-	-	-	-	-	-	-	9Nos	3390.00MVA
	192 Nos	20350.00 MVA	45 Nos	1127.50 MVA	163 Nos	3065.00 MVA	5 Nos	72.50 MVA	1 Nos	5.00 MVA	400 Nos	24542.50 MVA
	-	-	187Nos	4408.67MVA	232Nos	5536.17 MVA	168 Nos	3137.50 MVA	1 No	5.00 MVA	193 Nos	4486.17 MVA
TOTAL	9Nos	3390.00MVA	192 Nos	20350.00 MVA	232Nos	5536.17 MVA	168 Nos	3137.50 MVA	1 No	5.00 MVA	602 Nos	32418.67 MVA

Total No. of Power Transformer installed ending 30.09.2016 on 220KV & 132KV S/S under P&M Organization

	400KV	220KV	132KV	66KV	33KV	Total
Amritsar 220KV/S/S	-----	1x160,33x100, 1x50 (3510)	6(155.00)	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, 34x100, (3560)	21(557.50)	22(365.00)	-----	(78) 4482.50 MVA
132KV S/S	-----		51(1127.67)	2(20.00)	-----	(53) 1147.67 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	-----	8x160, 42x100 (5480)	11(277.50)	56(1090.00)	-----	(117) 6847.50 MVA
132KV S/S	-----		17(288.50)	-----	-----	(17) 288.50 MVA
Patiala 400KV S/S	3x500 (1500)	-----	-----	-----	-----	(3) 1500.00 MVA
220KV S/S	-----	9x160, 40x100 (5440.00)	2(40.00)	45(855.00)	-----	(96) 6335.00 MVA
132KV S/S	-----		13(342.50)	1(12.50)	1(5.00)	(15) 360.00 MVA
Total 400KV S/S	9Nos 3390.00MVA	-----	-----	-----	-----	9Nos 3390.00MVA
220KV S/S	-----	192 Nos 20350.00 MVA	45 Nos 1127.50 MVA	163 Nos 3065.00 MVA	-----	400Nos 24542.50 MVA
132KV S/S	-----	-----	187 Nos 4408.67 MVA	5 Nos 72.50 MVA	1Nos 5.00MVA	193 Nos 4486.17 MVA
Grand Total	9Nos 3390.00MVA	192 Nos 20350.00 MVA	232 Nos 5536.17 MVA	168 Nos 3137.50 MVA	1 Nos 5.00 MVA	602 Nos 32418.67 MVA