

ALL DATA REGARDING P&M ORGANIZATION ENDING 30.06.2016 (REVISED)

No. of Lines & Length in Ckt. Kms

No. of S/Stns

Name of P&M Circle	No. of Lines & Length in Ckt. Kms										Shunt Capacitor Capacity Installed / Operative (MVAR)			Total in (MVAR)
	400 KV		220KV		132KV		66KV		11 KV		33 KV	66KV	11 KV	
	D/C	S/C	D/C	S/C	D/C	S/C	D/C	S/C	D/C	S/C				
1. Amritsar	16	132 KV	6	25	12	26	423	141	195	759	423	195	759	
2. Bathinda	17	19	18	31	2	32	427	152	179	758	427	179	758	
3. Jalandhar	11	23	7	16	1	40	281	76	196	558	281	196	558	
4. Ludhiana	24	8	11	37	1	14	759	11	172	942	759	172	942	
5. Patiala	24	5	4	14	1	15	898	11	119	1017	898	119	1016	
TOTAL	92	71	8	123	17	127	2788	380	861	4034	2788	860	4033	
										1599.764			3120.224	
										6575.919				

No of Bays	P & M Circle	No. of P/T/Fs & Capacity										Total								
		400KV		220KV		132KV		66KV		33KV			400KV S/S		220KV S/S		132KV S/S			
		Line	Reac tor	Tie Breaker	T/F	Line BC	CB	T/F	Line BC	CB	T/F		Line	No of T/F	Capacity in MVA	No of T/F	Capacity in MVA	No of T/Fs	Capacity in MVA	
	Amritsar	-	-	-	36	65	3	65	4	5	64	102	19	2	66	4142.50	45	1114.50	111	5257.00
	Bathinda	4	1	5	37	65	4	84	1	5	74	108	2	16	77	4382.50	52	1135.17	131	6147.67
	Jalandhar	6	1	5	22	50	3	62	2	2	32	82	1	13	43	2735.00	63	1575.50	108	4940.50
	Ludhiana	6	1	5	50	82	5	24	1	1	100	146	2	24	112	6577.50	19	358.50	133	7566.00
	Patiala	4	-	4	50	99	11	15	24	1	98	165	5	25	96	6335.00	15	360.00	112	7195.00
	Total	30	3	19	195	361.26	250	252	7	13	368	603	10	97	394	24172.50	194	4543.67	595	31106.17

Voltage Wise No. of Power Transformers & Capacity in MVA					Total (Nos.)
400KV	220KV	132KV	66KV	33KV	
7Nos 2390.00MVA	---	---	---	---	7Nos 2390.00MVA
---	190 Nos 20090.00 MVA	43 Nos 1057.50 MVA	161 Nos 3025.00 MVA	---	394 Nos 24172.50 MVA
---	---	188Nos 4466.17MVA	5 Nos 72.50 MVA	1 Nos 5.00 MVA	194 Nos 4543.67 MVA
7Nos 2390.00MVA	190 Nos 20090.00 MVA	231Nos 5523.67 MVA	166 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	33KV	Total
Amritsar 220KV S/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	7Nos 2390.00MVA	----	----	----	----	7Nos 2390.00MVA
220KV S/S	----	190 Nos 20090.00 MVA	43 Nos 1057.50 MVA	161.Nos 3025.00 MVA	----	394Nos 24172.50 MVA
132KV S/S	----	----	188 Nos 4466.17 MVA	5 Nos 72.50 MVA	1Nos 5.00MVA	194 Nos 4543.67 MVA
Grand Total	7Nos 2390.00MVA	190 Nos 20090.00 MVA	231 Nos 5523.67 MVA	166 Nos 3097.50 MVA	1 Nos 5.00 MVA	595 Nos 31106.17 MVA