

Sr. No	Name of P&M Circle	No. of Lines & Length in Ckt. Kms												Shunt Capacitor Capacity Installed / Operative (MVAR)				Total in (MVAR)
		220KV			132KV			66KV			11KV			33 KV	11 KV	Installed/ Operative		
		D/C	S/C	D/C	S/C	D/C	S/C	D/C	S/C	D/C	S/C	132KV	66KV					
1.	Amritsar	400 KV	220 KV	132 KV	66 KV	33 KV	1	7	22	356.014	368.760	512.017	141	424	195	760		
2.	Bathinda	400 KV	220 KV	132 KV	66 KV	33 KV	2	6	11	3	18	152	448	179	779			
3.	Jalandhar	400 KV	220 KV	132 KV	66 KV	33 KV	1	8	19	11.560	441.546	152	438	179	769			
4.	Ludhiana	400 KV	220 KV	132 KV	66 KV	33 KV	1	14	44	101.000	902.753	76	325	199	605			
5.	Patiala	400 KV	220 KV	132 KV	66 KV	33 KV	3	15	30	42.000	444.877	11	759	172	942			
TOTAL		400 KV	220 KV	132 KV	66 KV	33 KV	8	50	126	2701.476	599.320	380	2854	865	4104			
		170				6781.597				3135.640				863		4085		

No of Bays	P&M Circle	No. of P/T/Fs & Capacity												Total										
		400KV			220KV			132KV			66KV				33KV									
		Line	Reactor	Tie Breaker	T/F	Line BC	CB	T/F	Line BC	CB	T/F	Line BC	CB		T/F	Line BC	CB	T/F	Line BC	CB	T/F	Line BC	CB	No of T/F
Amritsar	-	-	-	-	36	66, 4	65	85	4	5	64	102	2	19	1	2	-	-	65	4100.00	46	1159.50	111	5259.50
Bathinda	2	4	1	5	38	66, 4	85	63	1	5	74	109	2	16	-	-	2	630	79	4582.50	53	1179.17	134	6391.67
Jalandhar	2	6	1	5	23	50, 3	62	62	-	2	32	82,	1	13	2	9	2	630	48	3222.50	62	1559.00	112	5411.50
Ludhiana	2	6	1	5	52	85, 5	24	22	1	2	104	147	3	24	-	-	2	630	121	7337.50	17	281.00	140	8248.50
Patiala	5	8	-	4	58	110, 12	15	24	1	-	103	168	5	25	1	1	5	2500	100	6855.00	15	360.00	120	9715.00
Total	11	24	3	19	207	377, 28	251	256,	7	14	377	608,	13	97	4	12	11	4390	413	26097.50	193	4538.67	617	35026.17

Voltage Wise No. of Power Transformers & Capacity in MVA					
P&M Circle	220KV	132KV	66KV	33KV	Total (Nos.)
400KV S/Stns	11Nos	4390.00MVA	---	---	11Nos
220KV S/Stns.	205 Nos	21950.00 MVA	165 Nos	413 Nos	4390.00MVA
132KV S/Stns.	187Nos	4461.17MVA	5 Nos	193 Nos	26097.50 MVA
TOTAL	205 Nos	21950.00 MVA	170 Nos	617 Nos	4538.67 MVA
	21950.00 MVA	3185.00 MVA	35026.17 MVA	5.00 MVA	35026.17 MVA

Total No. of Power Transformer installed ending 30.09.2017 on 220KV & 132KV S/S under P&M Organization

	400KV	220KV	132KV	66KV	33KV	Total
Amritsar 220KVS/S	-----	1x160,33x100, 1x50 35 (3510)	4(92.50)	26(497.50)	-----	(65) 4100.00 MVA
132KV S/S	-----		44 (1119.50)	2 (40.00)	-----	(46) 1159.50 MVA
Bathinda 400KV S/S	2x315 (630)	-----	-----	-----	-----	(2) 630.00 MVA
220KV S/S	-----	1x160,35x100, 36 (3660)	21(557.50)	22(365.00)	-----	(79) 4582.50 MVA
132KV S/S	-----		51(1159.17)	2(20.00)	-----	(53) 1179.17 MVA
Jalandhar 400KV S/S	2x315 (630)	-----	-----	-----	-----	(2) 630.00 MVA
220KV S/S	-----	2x160, 25x100 27 (2820)	6(117.50)	15(285.00)	-----	(48) 3222.50 MVA
132KV S/S	-----		62 (1559.00)	-----	-----	(62)1559.00 MVA
Ludhiana 400KV S/S	2x315 (630)	-----	-----	-----	-----	(2) 630.00 MVA
220kv S/S	-----	10x160, 44x100 54 (6000)	10(227.50)	57(1110.00)	-----	(121) 7337.50 MVA
132kv S/S	-----		17(281.00)	-----	-----	(17) 281.50 MVA
Patiala 400KV S/S	5x500 (2500)	-----	-----	-----	-----	(5) 2500.00 MVA
220KV S/S	-----	11x160, 42x100 53 (5960.00)	2(40.00)	45(855.00)	-----	(100) 6855.00 MVA
132KV S/S	-----		13(342.50)	1(12.50)	1(5.00)	(15) 360.00 MVA
Total 400KV S/S	<u>11Nos</u> 4390.00MVA	-----	-----	-----	-----	<u>11Nos</u> 4390.00MVA
220KV S/S	-----	205 Nos 21950.00 MVA	43 Nos 1035.00 MVA	165 Nos 3112.50 MVA	-----	<u>413Nos</u> 26097.50 MVA
132KV S/S	-----	-----	187 Nos 4461.17 MVA	5 Nos 72.50 MVA	1Nos 5.00MVA	193 Nos 4538.67 MVA
Grand Total	<u>11Nos</u> 4390.00MVA	<u>205 Nos</u> 21950.00 MVA	<u>230 Nos</u> 5496.17 MVA	<u>170 Nos</u> 3185.00 MVA	<u>1 Nos</u> 5.00 MVA	<u>617 Nos</u> 35026.17 MVA