

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 30.09.2015

Sr. 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	1 127.416	--	6 322.744	25 725.951	12 467.220	26 483.717	141 141	396 396	- -	233 233	770 770
2.	Bathinda	1	15	20	3 566.294	2 256.000	13 721.430	26 1042.120	2 6.600	32 619.710	152 152	363 363	- -	172 172	687 687
3.	Jalandhar	1	10	19	1 105.444	1 73.000	7 308.864	16 605.234	1 16.000	40 852.137	76 76	281 281	5 5	154 154	516 516
4.	Ludhiana	1	24	7	1 279.054	--	11 714.136	37 882.421	1 42.000	14 349.713	11 11	679 679	- -	151 151	841 841
5.	Patiala	1	24	5	2 192.546	--	4 319.780	14 348.523	1 76.000	15 207.127	- -	962 962	- -	126 126	1088 1088
<b>TOTAL</b>		<b>4</b>	<b>89</b>	<b>73</b>	<b>8</b> 1270.754	<b>3</b> 329.00	<b>41</b> 2386.954	<b>118</b> 3604.249	<b>17</b> 607.820	<b>127</b> 2512.404	<b>380</b> 380	<b>2681</b> 2681	<b>5</b> 5	<b>836</b> 836	<b>3902</b> 3902
					<b>1599.754</b>		<b>5991.203</b>		<b>3120.124</b>						

No of Bays		No. of P/T/Fs & Capacity														Total									
P&M Circle	T/F	400KV				220KV			132KV			66KV			33KV		400KV S/S		220KV S/S		132KV S/S		No of T/Fs	Capacity in MVA	
		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			
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	32	57	3	84	61	1	5	69	95	1	14	-	-	2	630	67	3847.50	56	1242.67	125	5720.17
Jalandhar	2	6	1	5	22	50	3	62	62	-	2	32	82	1	13	2	9	2	630	38	2387.50	54	1400.50	94	4418.00
Ludhiana	2	6	1	5	50	82	5	24	20	1	1	100	146	2	24	-	-	2	630	110	6465.00	17	288.50	129	7383.50
Patiala	2	4	-	4	53	101	12	15	24	1	-	103	179	6	27	1	1	2	1000	100	6455.00	15	360.00	117	7815.00
<b>Total</b>	<b>8</b>	<b>20</b>	<b>3</b>	<b>19</b>	<b>193</b>	<b>355</b>	<b>26</b>	<b>250</b>	<b>252</b>	<b>7</b>	<b>13</b>	<b>368</b>	<b>604</b>	<b>10</b>	<b>97</b>	<b>3</b>	<b>12</b>	<b>8</b>	<b>2890</b>	<b>380</b>	<b>23245.00</b>	<b>200</b>	<b>4741.17</b>	<b>588</b>	<b>30876.17</b>

Voltage Wise No. of Power Transformers & Capacity in MVA						
	400KV	220KV	132kV	66kV	33kV	Total (Nos.)
400KV S/Stns	8Nos 2890.00MVA	----	----	----	----	8Nos 2890.00MVA
220kV S/Stns.	----	185 Nos 19410.00 MVA	38 Nos 875.00 MVA	157 Nos 2960.00 MVA	-	380 Nos 23245.00 MVA
132kV S/Stns.	----	----	194Nos 4663.67MVA	5 Nos 72.50 MVA	1 Nos 5.00 MVA	200 Nos 4741.17 MVA
<b>TOTAL</b>	<b>8Nos</b> 2890.00MVA	<b>185 Nos</b> 19410.00 MVA	<b>232Nos</b> 5538.67 MVA	<b>162 Nos</b> 3032.50 MVA	<b>1 No</b> 5.00 MVA	<b>588 Nos</b> 30876.17 MVA

**Total No. of Power Transformer installed ending 30.09.2015 on 220KV & 132KV S/S under P&M Organization**

	<b>400KV</b>	<b>220KV</b>	<b>132kV</b>	<b>66kV</b>	<b>33kV</b>	<b>Total</b>
Amritsar 220kV S/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 29x100, (3060)	20(507.50)	17(280.00)	-	(67) 3847.50 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(230.00)	-	(38) 2387.50 MVA
132kV S/S	-	-	54(1400.50)	-	-	(54) 1400.50 MVA
Ludhiana 400KV S/S	2x315 (630)	-	-	-	-	(2) 630.00 MVA
220kV S/S	-	7x160, 41x100 (5220)	9(207.50)	53(1037.50)	-	(110) 6465.00 MVA
132kV S/S	-	-	17(288.50)	-	-	(17) 288.50 MVA
Patiala 400KV S/S	2x500 (1000)	-	-	-	-	(2) 1000.00 MVA
220kV S/S	-	7x160, 44x100 (5520)	2(40.00)	47(895.00)	-	(100) 6455.00 MVA
132kV S/S	-	-	14(355.00)	-	1(5.00)	(15) 360.00 MVA
Total 400KV S/S	<u>8Nos</u> 2890.00MVA	-	-	-	-	<u>8 Nos</u> 2890.00MVA
220KV S/S	-	<u>185 Nos</u> 19410.00 MVA	<u>38 Nos</u> 875.00 MVA	<u>157 Nos</u> 2960.00 MVA	----	<u>380 Nos</u> 23245.00 MVA
132KV S/S	-	-----	<u>194 Nos</u> 4663.67 MVA	<u>5 Nos</u> 72.50MVA	<u>1Nos</u> 5.00MVA	<u>200 Nos</u> 4741.17 MVA
<b>Grand Total</b>	<u>8Nos</u> 2890.00MVA	<u>185 Nos</u> 19410.00 MVA	<u>232 Nos</u> 5538.67 MVA	<u>162 Nos</u> 3032.50 MVA	<u>1 Nos</u> 5.00 MVA	<u>588 Nos</u> 30876.17 MVA