



















CAPACITY ENHANCEMENT AND MODERNIZATION OF SUBSTATION

- OBJECTIVES:

All transformers are with Automatic Voltage Regulator (AVR) and hence supply voltage can be maintained at satisfactory level always irrespective of K.S.E.B supply voltage





**MSB-1
BUS BAR CHAMBER**

**FROM GEN. PANEL (G2)
1000A 4P ACB
SET AT 800A
4X3.5X400 SQ.MM AL**

SPARE

**TO SB-2
630A TP ACB
SET AT 504A
3X3.5X400SQ.MM AL**

**TO SP-2
630A TP ACB
SET AT 504A
3X3.5X400 SQ.MM AL**

**TO MAIN BLOCK
1000A 4P ACB
SET AT 750A
3X3.5X400 SQ.MM AL**

**TO SPNC
630 & TP ACB
SET AT 375 A
3X3.5X400 SQ. MM AL**

**TO MAIN BT
630A TP ACB ACB
SET AT 504A
3.5X400 SQ.MM AL**

**TO SPNC
630 & TP ACB
SET AT 375 A
3X3.5X400 SQ. MM AL**

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19

18





APFC-2
(300 KVAR)

DISCHARGE CHARGER



FROM MSB 1
630A TP ACB



25 KVAR

25 KVAR

25 KVAR

25 KVAR

25 KVAR

25 KVAR

APFC - 2
(1600 KVA)

DANGER
P-ZX52X6 MM CU

25 KVAR

25 KVAR

25 KVAR

25 KVAR

25 KVAR

25 KVAR

FROM MSB 1
630A TP ACB

