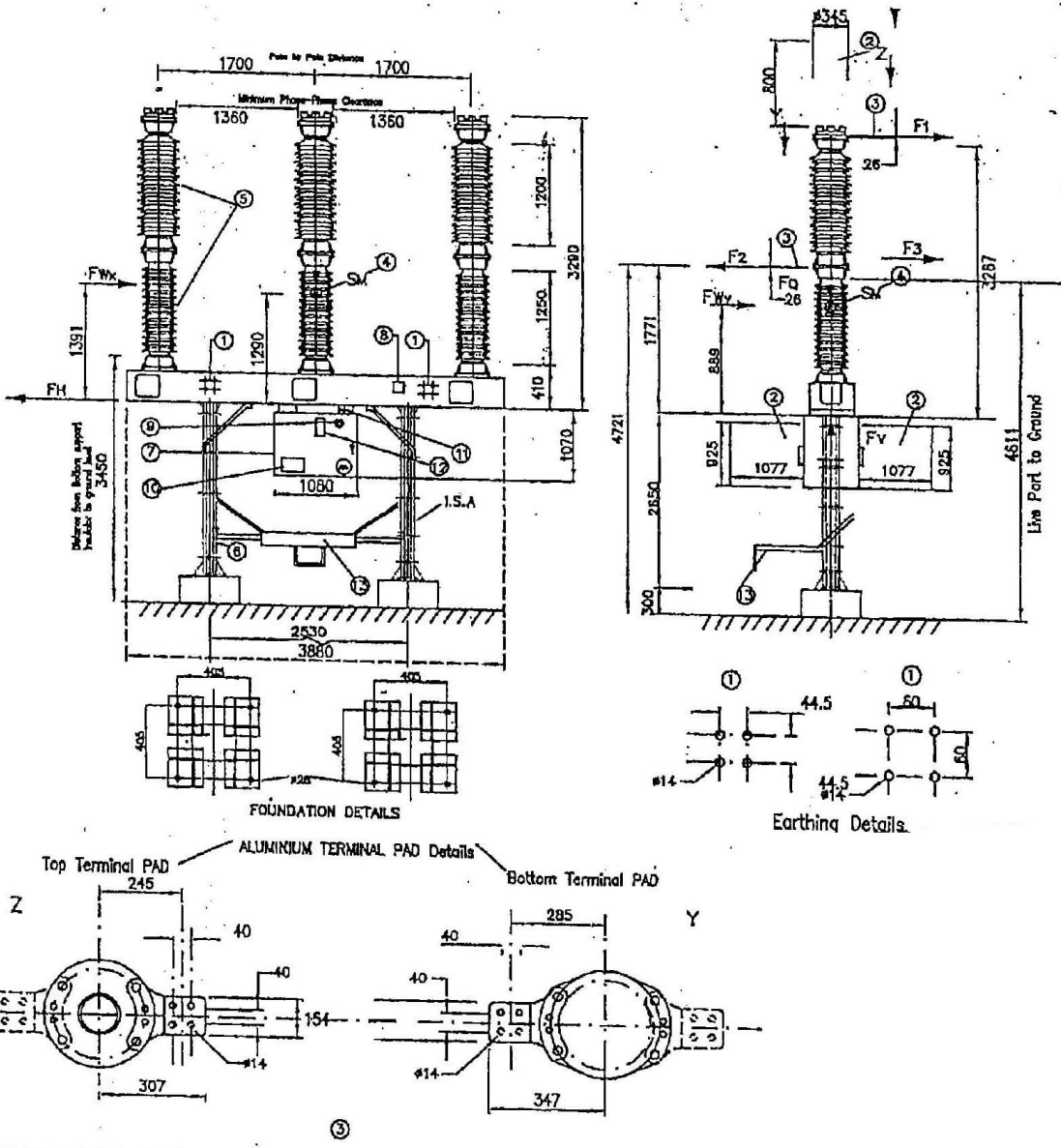


A  
B  
C  
D  
E  
F  
G



- 1 HOLES FOR EARTHING TERMINALS
- 2 CLEARANCE REQUIRED FOR CHECKING AND DISMANTUNG
- 3 ALUMINIUM TERMINAL PLATES WITH 4 HOLES,
- 4 CENTRE OF GRAVITY
- 5 BIRLA NGC/MODERN/IEC/Prathameek/Fujin Hitech MAKE INSULATORS (Chamber. & support) WITH CREEPAGE DISTANCE TO EARTH 3825mm
- 6 SUPPORTS STRUCTURE OF GALVANISED M.S ( HDG Thickness: 88 Micron).
- 7 CONTROL AND OPERATING MECHANISM CUBICLE WITH DEGREE OF PROTECTION IP 55 & paint shade 631 as per IS5
- 8 MECHANICAL "ON/OFF" INDICATION
- 9 PRESSURE GAUGE
- 10 SPRING CHARGING INDICATION
- 11 Density Monitor
- 12 RATING PLATE(Aluminium)
- 13 PLATFORM

WEIGHT OF THE CB WITHOUT STRUCTURE = 1500 kg approx.  
 WEIGHT OF INDIVIDUAL POLE = 330 kg approx.  
 WEIGHT OF BASEFRAME = 250 kg approx.  
 WEIGHT OF CONTROL CUBICLE = 250 kg approx.  
 WEIGHT OF SUPPORT STRUCTURE (1SET = 2NOS.) = 220 kg approx.

PERMISSIBLE TERMINAL LOADS SHOULD NOT BE MORE THAN F1,F2,F3 AS MENTIONED BELOW:  
 $F_2 < F_1 \times 2.0$ ;  $F_1 + F_3 < 0.49 < F$   
 F1 - Terminal Load at TOP  
 F2 - Terminal Load at Bottom-Opposite F1  
 F3 - Terminal Load at Bottom - Same Direction of F1  
 F - GCB limiting Load values for Static & Dynamic Condition(as per table)

PERMISSIBLE LOADS ON THE TERMINALS	
Horizontal load (Longitudinal)	1250 N
Horizontal load (Transverse)	750 N
Vertical force	1000 N
DESIGN WIND LOADS	
Wind Load @ 39 m/s FWx	2.5kN
Wind Load @ 39 m/s FWy	3.7kN
OPERATING LOADS	
Operating loads per pillar Fv (Upward)	15000 N
Operating loads per pillar Fv (Downward)	20000 N
Operating load Fh (Horizontal)	4000 N

10/20/2007/145KV-145	Date	Customer: Bihar State Power Transmission Corporation Limited.	Description 145KV, 40KA,3150A SF6 CB	SAP No :	Qty :-25Nos	ALL DIMENSION ARE IN mm NOT TO SCALE
Prep.	Project :	Details : General Arrangement			Drp. No:- 145-KV-3150-CB-GA	
Remarks	Date	Name	Norm	Original/Replacement for/Replaced by :-		Sh. 1 3 Sh.