

operating loads per pillar +23 000 N (up)  
 vertical FV : -28 000 N (down)  
 Horizontal FH : ± 8 500 N (in Y direction)

Loads per pole (LB)				
Fo	FWx	FWy	Fatst.	Fatst+dyn
Weight loads	Wind loads, at a wind speed of 80 m/s		tenile load	at terminal
9.2 kN	4.3 kN	3.2 kN	2.0 kN	4.0 kN

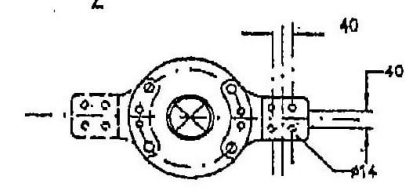
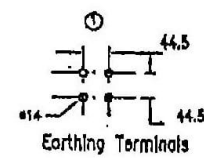
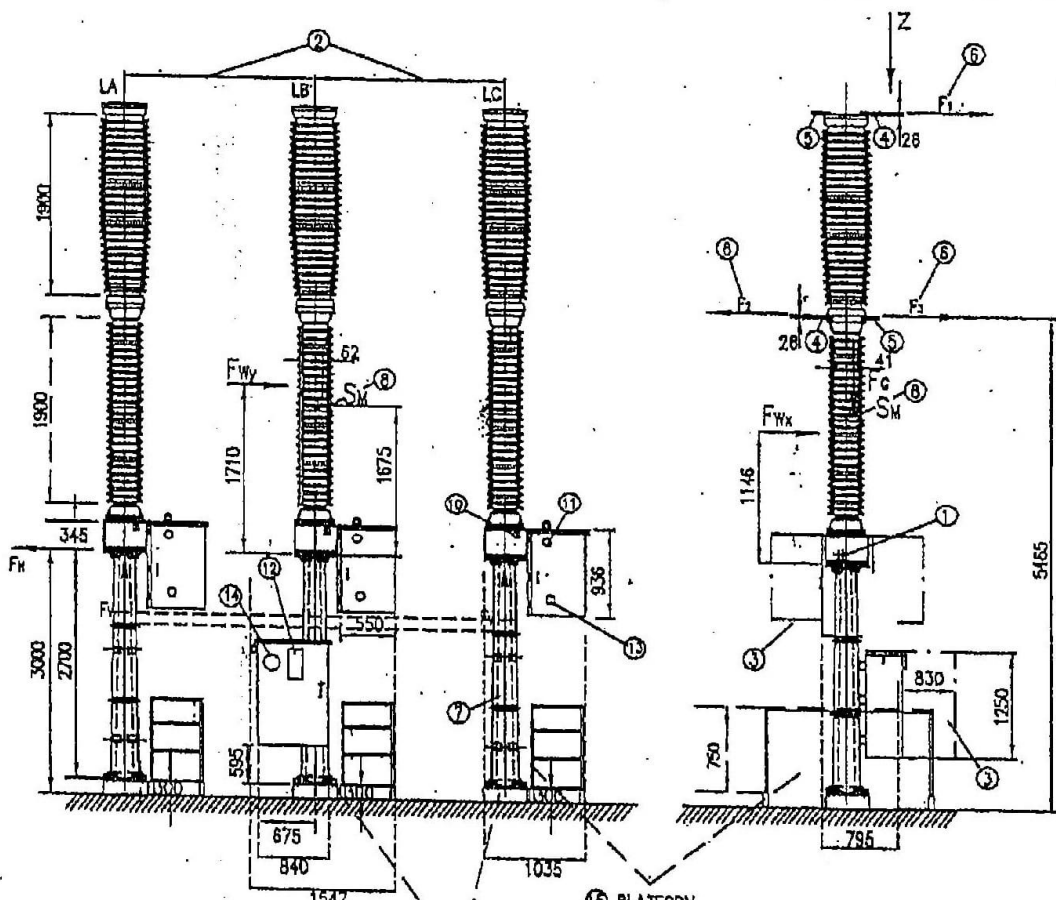
- BILL OF MATERIAL**
- 1) Poles - Jnos.
  - 2) Spring operating mechanism with control panel - Jnos.
  - 3) Marshalling Box fixed with Y pole - 1no.
  - 4) Support Structure - Jnos.
  - 5) Foundation Bells - 12nos. (Ince/Pole)
  - 6) Interspo cable - unarmoured, 2.0sqmm

Note: Manufacturing tolerances shall be applicable

COMPLETE WEIGHT OF THE CB WITHOUT STRUCTURE = 3000 KG APPROX.  
 WEIGHT OF INDIVIDUAL POLE WITH CONTROL PANEL = 920 KG APPROX.  
 TOTAL WEIGHT OF THE STRUCTURE = 750 KG APPROX.  
 WEIGHT OF THE INDIVIDUAL STRUCTURE = 280 KG APPROX.

- ① HOLES FOR EARTHING TERMINALS
- ② POLE TO POLE DISTANCE - 4800MM
- ③ CLEARANCE REQUIRED FOR CHECKING AND DISMANTLING
- ④ ALUMINIUM TERMINAL PLATES WITH HOLES, (THICKNESS 28MM)
- ⑤ TERMINAL PLATES TO THE OPPOSITE MOUNTING AS REQUIRED
- ⑥ PERMISSIBLE TENSILE LOAD AT TERMINALS USING THE FOLLOWING FORMULAE, THE DATA MUST BE OBSERVED:  
 $F_1 < F_2$ ;  $F_2 < F_1 \times 1.94$ ;  $F_1 + F_3 < 0.83 \times F$   
 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
- ⑦ SUPPORT STRUCTURE
- ⑧ CENTRE OF GRAVITY
- ⑨ INSULATOR CREEPAGE: 25mm/kV.  
 ABIL/MIL/IEC/PRATHAMESH/FUSHUN HI-TECH CHINA/EQUIVALENT MAKE
- ⑩ MECHANICAL "ON/OFF" INDICATION
- ⑪ PRESSURE GAUGE
- ⑫ RATING PLATE
- ⑬ VIEWING WINDOW FOR SPRING CHARGING STATUS.
- ⑭ WINDOW FOR VIEWING INDICATING LAMP
- ⑮ PLATFORM

Date				Client: Bihar Power Transmission Company Ltd.		Serial Ref. 1		NOT TO SCALE	
Prep.				Project :		Item No.1		Qty. 1 10x	
Ckd.				Original/Replacement for/Replaced by :-		Work 1		All dimensions are in MM	
Remarks				Date		Details: STANDARD GA DRAWING		Dwg. No:- 245-KV-3150-SFG-CB-GA-02	
G				G1		G3		G5	
								Sh. 1	
								3 Sh.	



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Prep.				Project :		Item No.1		Qty. 1 10x	
Ckd.				Original/Replacement for/Replaced by :-		Drawn: 245KV, 40KA(3S), 3150A, SF6 CB		All dimensions are in MM	
Issue				Remarks		Details: STANDARD GA DRAWING		Sh. 1	
Date				Norm		Dwg. No:- 245-KV-3150-CB-GA-1		3 Sh.	