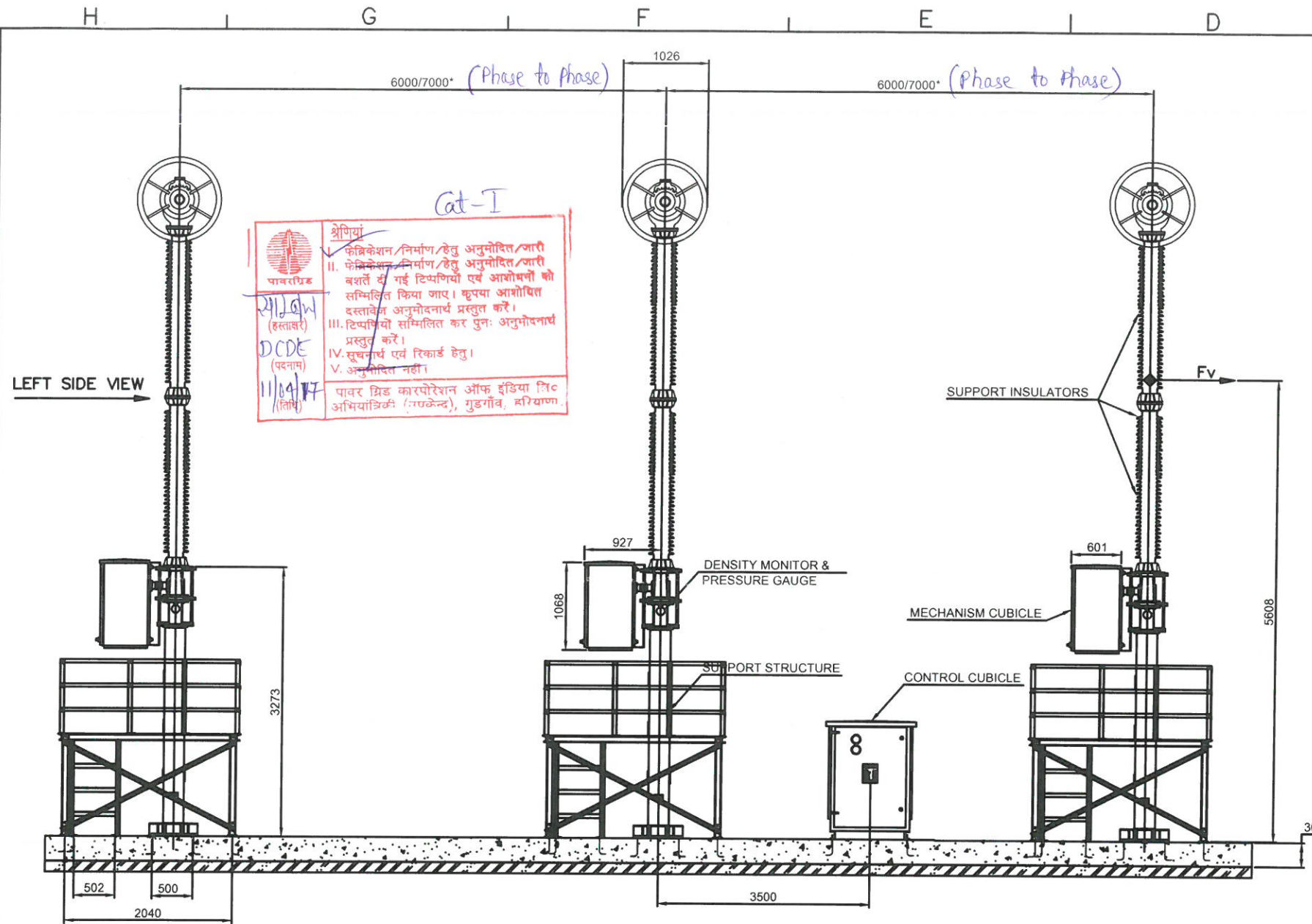


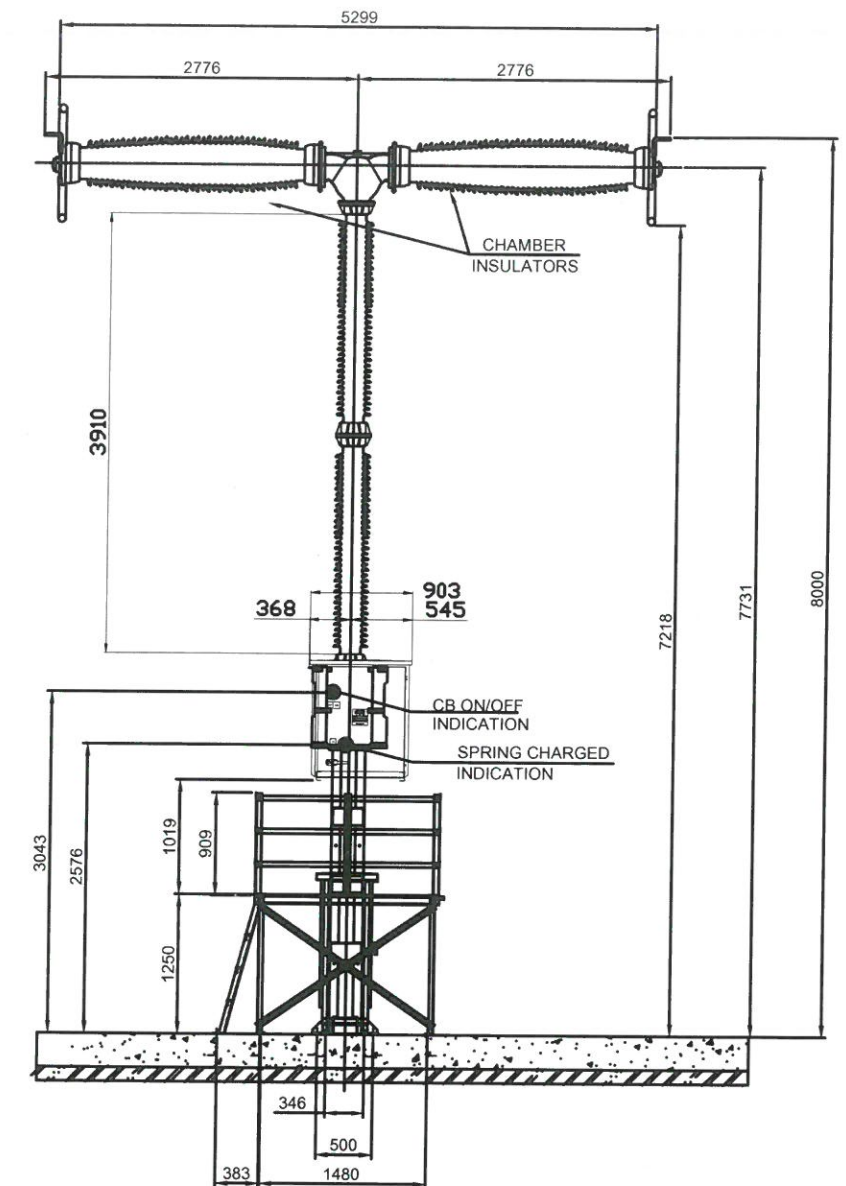


ELEVATION

PERMISSIBLE STRENGTH ON THE TERMINALS	
HORIZONTAL TENSILE STRENGTH	175 daN
TRANSVERSAL HORIZONTAL STRENGTH	125 daN
VERTICAL STRENGTH	150 daN
WEIGHT OF ONE COMPLETE POLE	1512 kg
WEIGHT OF SUPPORT STRUCTURE	377 kg
WEIGHT OF MECHANISM	350 kg
WEIGHT OF CONTROL CUBICLE	150 kg
WEIGHT OF CIRCUIT BREAKER	6717 kg
MAXIMUM STATIC & DYNAMIC LOADS	
UPWARD F2	6050 daN
DOWNWARD F1	6476 daN
CREEPAGE DISTANCE TO EARTH	13750 (MIN.)
CREEPAGE DISTANCE BETWEEN TERMINAL	13480 (MIN.)

GENERAL RATINGS :-

RATED VOLTAGE	: 420kV
RATED NORMAL CURRENT	: 3150 AMPS
RATED SHORT TIME CURRENT	: 63kA, 3 SEC
RATED OPERATING DUTY	: O - 0.3 SEC - CO - 3 MIN - CO
POWER FREQUENCY WITHSTAND VOLTAGE	: 610kVrms
LIGHTNING IMPULSE WITHSTAND VOLTAGE	: 1425kVp
SWITCHING IMPULSE WITHSTAND VOLTAGE	: 1050kVp
LINE CHARGING BREAKING CURRENT	: 600 AMPS
FIRST POLE TO CLEAR FACTOR	: 1.3
RATED SF6 GAS PRESSURE AT 20°C	: 0.85Mpa(Absolute) / 7.5 Bar(g) at 20°C
REFERENCE STANDARD	: IEC 62271-100
CIRCUIT BREAKER TYPE	: GL316X



LEFT SIDE VIEW

NOTE :-

CUBICLES SHEET THICKNESS SHALL BE OF
LOAD BEARING MEMBERS: 3mm CR SHEET
NON-LOAD BEARING AREAS: 2mm CR SHEET

PAINT SHADE FOR
EXTERIOR : 697 OF IS:5
INTERIOR : GLOSSY WHITE

SUPPORT STRUCTURE SHALL BE
GALVANISED TO 610g/SQ.M

* - AS PER LAYOUT REQUIREMENT

SF6 CB TYPE GL316X
OUTLINE AND GENERAL ARRANGEMENT W/O CR
420kV, 3150A, 63kA CB (Creepage of 31mm/kV)

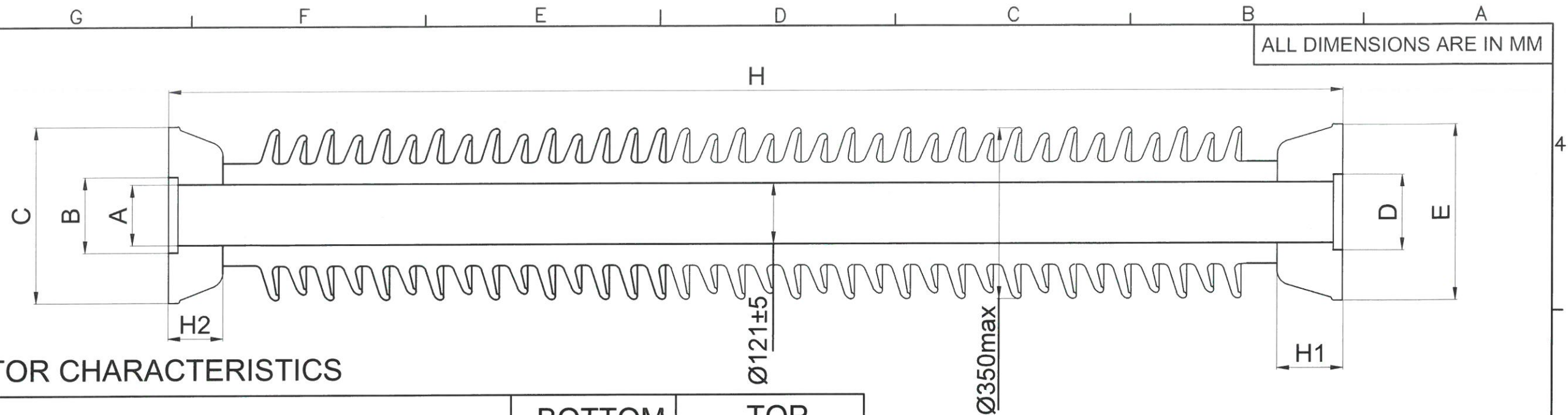


PREPARED BY : REVIEWED BY : APPD BY :
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REV	VER	PAGE
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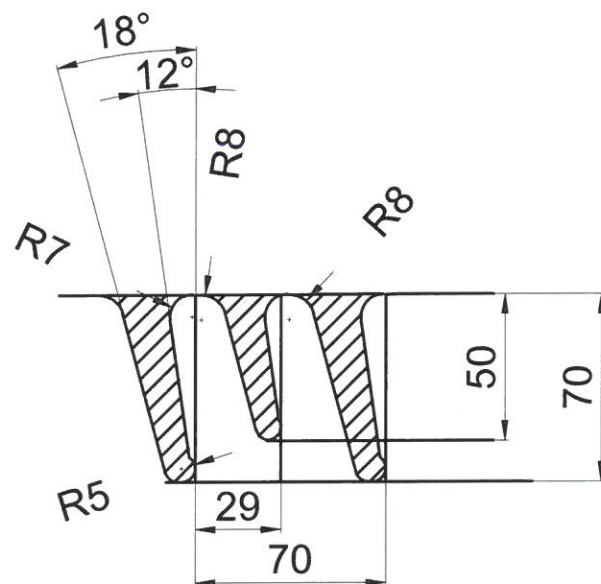


INSULATOR CHARACTERISTICS

	BOTTOM	TOP
Bending Strength (at base) daN.m	5000	3000
1 min PF withstand voltage kV rms	460	460
Impulse withstand voltage kV peak	1050	1050
Creepage distance mm	6875	6875
Hydraulic pressure test (routine), bar for 1 min.	33	33
Burst Pressure (bar)	> 47	> 47

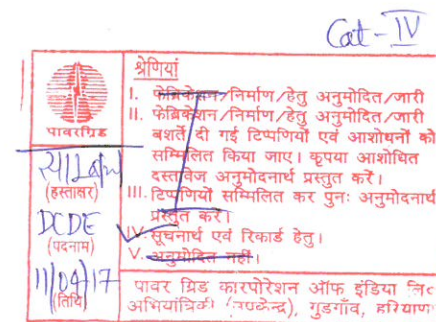
INSULATOR DIMENSIONS

	BOTTOM	TOP
H	2060	2060
A	121	121
B	225	225
C	310	310
D	225	225
E	310	310
H1	115	95
H2	115	115



SHED PROFILE

(As per IEC-815)



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SUPPORT INSULATORS



T&D
Chennai India

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- ### ELECTRICAL PARAMETERS FOR COMPLETE CB:

- POLLUTION LEVEL PARAMETER:

-
- Technical drawing of a mechanical part (Fig. 1) showing a cross-section. The drawing includes the following dimensions and features:
- Top left angle: 15°
 - Top right angle: 8°
 - Top center fillet: $R9$
 - Top right fillet: $R9$
 - Top left fillet: $R8$
 - Top center fillet: $R8$
 - Bottom left fillet: $R5$
 - Right side vertical dimension: 53
 - Right side total vertical dimension: 68
 - Bottom center horizontal dimension: 31
 - Bottom total horizontal dimension: 69

SCALE : 3 : 1

SHED PROFILE

(As per IEC-815)

PREPARED BY: RS REVIEWED BY: APPD BY: B