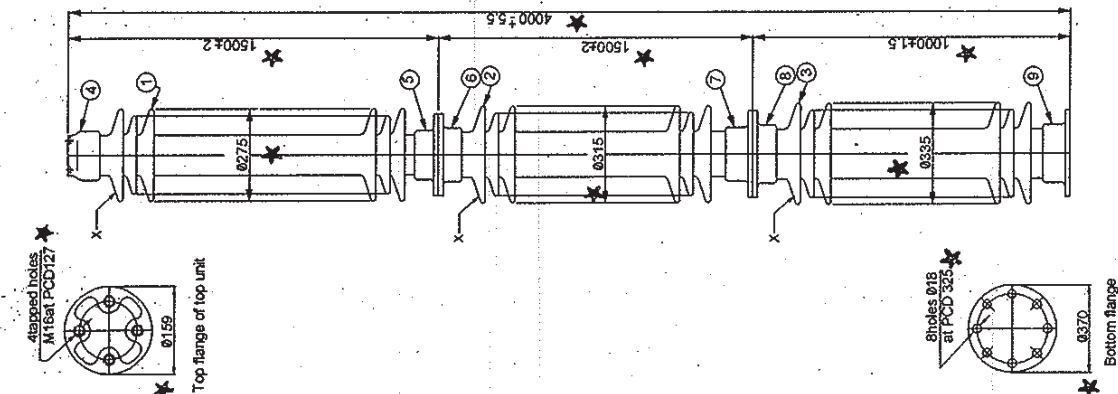


Sr.No	Parameter	Value as per IEC	Actual Value
1	C=Q	≤ 3.0	33.6
2	SP	≥ 0.8	0.9
3	M101	≤ 3	4.98
4	M202	≤ 5	4.7
5	As per IEC	16	27.5
6	Inclination of shed in degrees	2.5	35
7	Profile factor (2P1+2P2-SH)	≥ 0.7	1.1
8	Creepage distance (IS)	≤ 4	334

Sr.No	Parameter	Value as per IEC	Actual Value
1	C=Q	≤ 3.0	31.4
2	SP	≥ 0.8	1.0
3	M101	≤ 3	4.79
4	M202	≤ 5	4.95
5	As per IEC	16	25.5
6	Inclination of shed in degrees	2.5	35
7	Profile factor (2P1+2P2-SH)	≥ 0.7	1.1
8	Creepage distance (IS)	≤ 4	314

Notes:-
Shed profile meets all the requirements of IEC:80815
Name of Mfg., trade mark, month & year of Manufacture, Sr.no. to be marked at "x"
All ferrous parts to be hot dip galvanized as per IS:2833/IS:4759
Colour of glazed BROWN
Zinc used for galvanising shall be grade 98.95 as per IS: 209
Flat washers shall have diameter 2.5 times that of the bolt diameter & of suitable thickness.

Test Report No. RP-1415-007248
Date 13/06/2014
Product 400KV, 10 KN solid core insulators (2 stacks)
Verified By Albalt
Verification Of this Drawing by ERDA is limited to relevant dimensional checks only verified dimensions are marked with *

REV.	DATE	DESCRIPTION	APPD.

TECHNICAL PARTICULARS
Applicable Standards IS:2544, IEC:168, IEC:273, IEC:815
DIMENSIONS
Min. Creepage Distance mm 13020
Protected Creepage Distance mm 5500
Dry arcing distance mm 3440
Heavy Polluted Level IV (Very Heavy Polluted)

MECHANICAL VALUES
Cantilever Strength kgf. 1000
Torsional Strength kgfm 600
Tension Strength kgf 8000
Compression Strength kgf 27000
ELECTRICAL VALUES
Nominal System Voltage kV 400
Highest System Voltage kV 420
P.F. Withstand Voltage kV 725
P.F. Flashover voltage kV 875
Impulse Withstand Voltage kVp 1800
Impulse Flashover Voltage kVp 1925
Corona extinction voltage kVp 2000
Switching impulse withstand voltage kVp 320
RIV TEST
Test voltage to ground kV 305
Max. RIV at 1000KHz μ V 500
PACKING DETAILS
Net Weight (approx) Kg 470

Sr No.	DESCRIPTION	DRG. No.	WEIGHT	MATERIAL	QTY.	REMARKS
14	Flat washer M16	MS HDG	40			
13	Spring washer M16	MS HDG	20			
12	Hex. bolt Nut M16X80	MS HDG	16			
11	Hex. bolt Nut M16X85	MS HDG	4			
10	Hex. bolt M16X35	MS HDG	NIL			
9	Bottom flange	MCISG/HDG	1			
8	Intermediate flanges 5 to 8	MCISG/HDG	1 each			
4	Top flange	MCISG/HDG	1			
1-3	Porcelain Shells	Porcelain	1			
TITLE 400KV-10 KN. SOLID CORE INSULATORS FOR ISOLATORS						
REF:- TYPE TEST, MAR-2014						
ALL DIMENSIONS ARE IN mm.						
SCALE: NTS						
Drg. No. 987048						
Rev.No. 0						

Grey :2
Brown:1
Finish Code
Product code

ADITYA BIRLA INSULATORS
HALOL - INDIA