


अधिकारित DGN		 <div> <p>चितरंजन रेलइंजन कारखाना</p> <p>CHITTARANJAN LOCOMOTIVE WORKS, INDIA</p> </div>		
जॉना व.अ.अ. CHD SSE	SUBIR KUMAR MONDAL		पदार्थ MATL	प्रति भार कि. ग्र. WT. EACH IN KG
समीक्षित स.वि.अ. / व.वि.अ. REVIEWED AEE / SEE	CHANDAN AN KUMAR	विरिष्टि SPECN		
अनुमोदित स.पु.वि.अ. APPROVED DYCEE	ANSHU KUMAR VERMA	वर्णन DESCRIPTION	ROOF LINE INSULATOR	
दिनांक DATE				
रैखिक अनुपात SCALE	N.T.S.	आरेखण संख्या DRAWING NO.	CLW/ES/SK-2/AC/1-1/K	
संघर्ष ALT.-	REF.	परिवर्तन संख्या ALTERATION NO.	पर्ण SHEET	
			OF	
			A2	

5772993/2024/O/o CELE/ELECT/HQ/WR

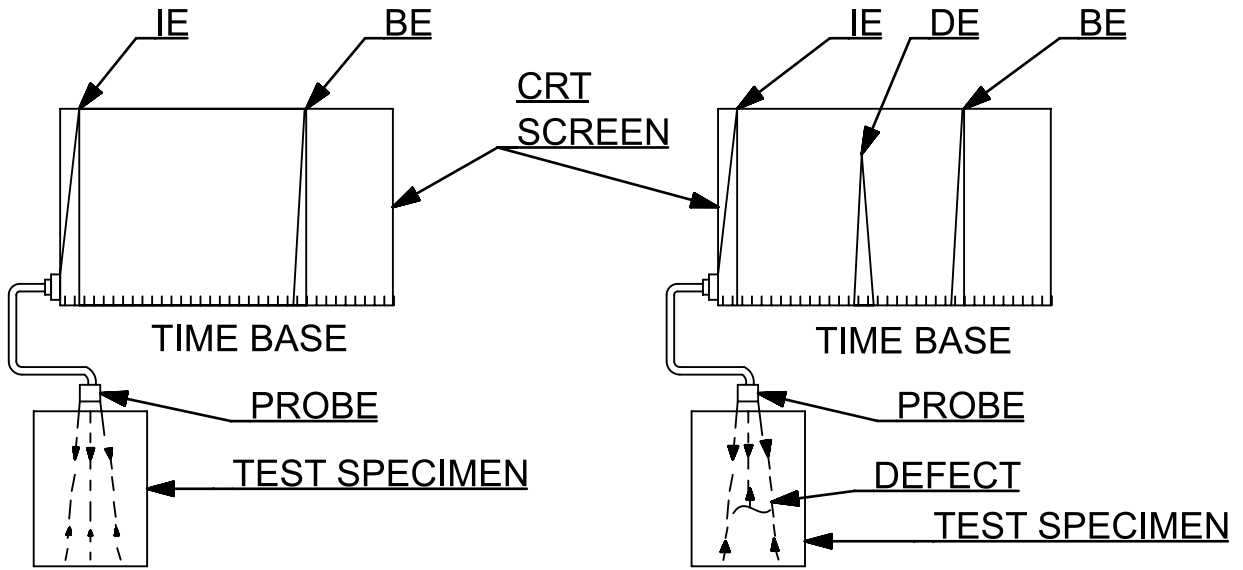

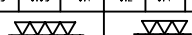
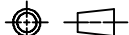


FIG:-A CORRECT SAMPLE

FIG:-B DEFECTIVE SAMPLE

**ULTRASONIC TEST:-**

THIS TEST SHALL BE CONDUCTED ON THE INSULATORS BEFORE ASSEMBLY OF THE METAL FITTINGS. THE FREQUENCY OF THE ULTRASONIC WAVE SHALL BE BETWEEN 0.8 AND 5 MEGA CYCLES PER SECOND. THE SPEED OF PROPAGATION OF THE WAVES SHALL BE NOT LESS THAN 4,600 METERS PER SECOND, THE TEST SHALL BE ALONG THE AXIS OF THE INSULATOR AND IF NECESSARY, RADIALLY. INSULATORS DISCLOSING CRACKS OR INTERNAL FLAWS FOR POROSITY SHALL BE REJECTED. (IS:4218-1976 CL.9.14)

अभिकल्पित DGN												SUBIR KUMAR MONDAL Digitally signed by SUBIR KUMAR MONDAL Date: 2023.11.16 17:46:31 +05'30'		 चित्तरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA							
जॉचा व.अ.अ. CHD SSE												CHANDAN KUMAR Digitally signed by CHANDAN KUMAR Date: 2023.11.16 17:53:51 +05'30'		पदार्थ MATL		प्रति भार कि. ग्रा. WT. EACH IN KG					
परिवर्तन संख्या ALT.NO.												प्रमाणित बाध्य DATED INITIAL		समीक्षित स.वि.अ. / व.वि.अ. REVIEWED AEE / SEE		विशिष्ट SPECN					
वर्णन DESCRIPTION												अनुमोदित स.यु.वि.अ. APPROVED DYCEE		ANSHU KUMAR VERMA Digitally signed by ANSHU KUMAR VERMA Date: 2023.11.16 17:53:51 +05'30'		वर्णन DESCRIPTION					
सतह - रक्षा का मान मा. 3073 / अ. मा. सं. 1302 SURFACE ROUGHNESS VALUE TO IS:3073 / ISO:1302												अनिर्दिष्ट सद्य - सीमा मा. : 2102 / अ. मा. सं. : 2768 UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2768		TOL. CLS.		ULTRASONIC TESTING ON SOLIDCORE INSULATOR					
धातु-वेल्डन चिन्ह मा. : 813 / अ. मा. सं. : 2553 WELDING SYMBOLS TO IS:813 / ISO:2553												दिनांक DATE		रेखिक अनुपात SCALE		आरेखण संख्या DRAWING NO.					
पदार्थ सं1 सं2 सं3 सं4 सं5 सं6 सं7 सं8 सं9 सं10 सं11 सं12 GRADE NO. N1 N2 N3 N4 N5 N6 N7 N8 N9 N10 N11 N12												Rz		0.16-0.3 0.5-0.7 0.9-1.1 1.5-2.0 2.5-3.8 5.0-6.3 9.0-12 16-25 30-40 50-63 75-100 160-250		N.T.S					
Ra μm												0.025 0.05 0.1 0.2 0.4 0.8 1.6 3.2 6.3 12.5 25 50		संदर्भ / REF.		परिवर्तन संख्या ALTERATION. NO.					
चिन्ह SYMBOL																पृष्ठ SHEET		OF		A4	

F

E

D

C

B

A

F

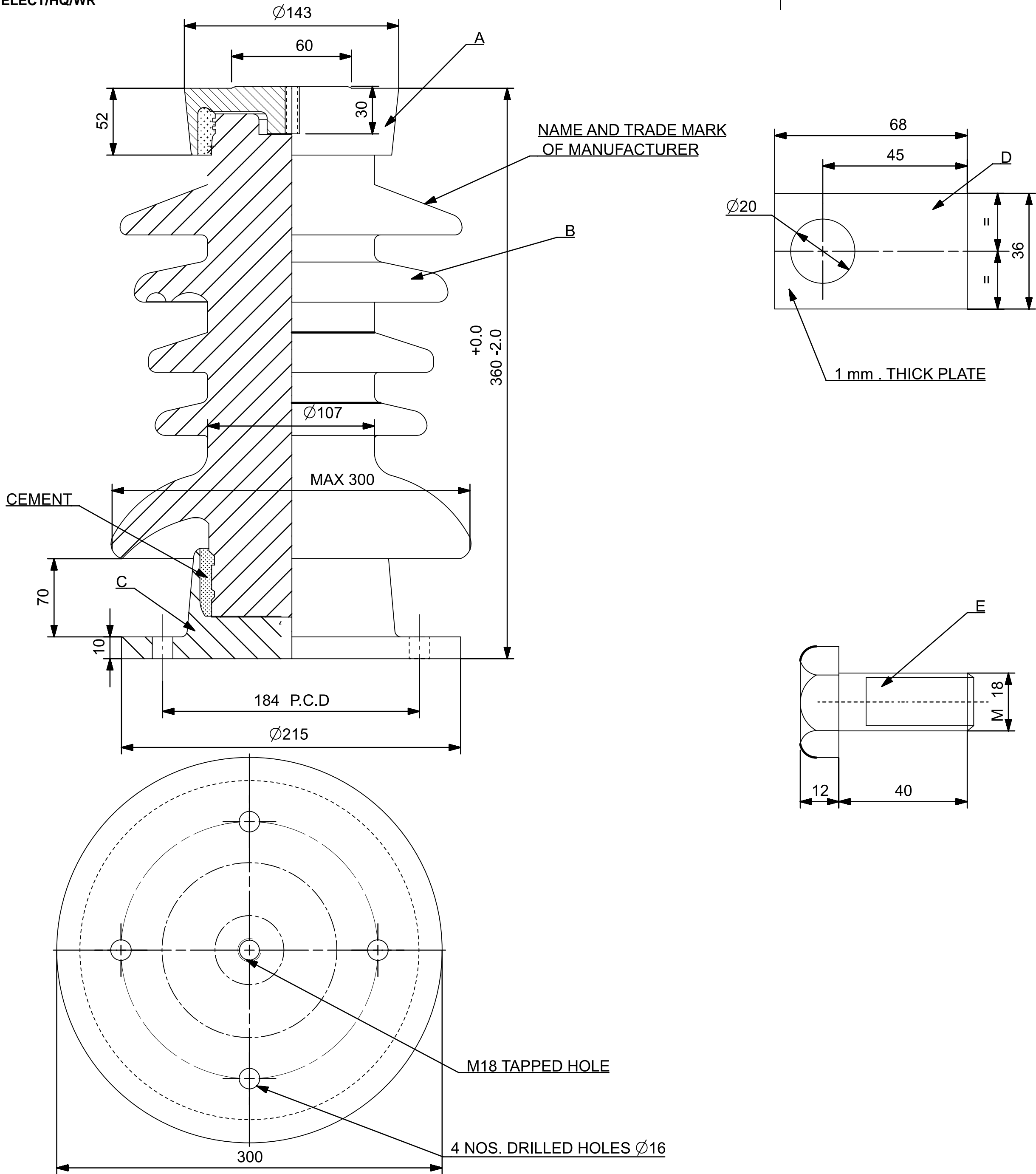
E

D

C

B

A



- NOTE:-
1. ALL DIMENSIONS ARE IN mm>
  2. UNLESS SPECIFIED A TOLERANCE OF  $\pm(0.03d+0.3)$  SHALL BE TAKEN ON ALL DIMENSIONS. D BEING THE DIMENSIONS IN .
  3. QTY. PER LOCO 8 NOS.
  4. HEX. HEAD SCREW M18X40 AND LOCKING PLATE TO BE SUPPLIED ALONG WITH THE PANTO MOUNTING INSULATOR.
  5. CREEPAGE DISTANCE=1050 mm.Ⓚ

E			HEX, HD. SCREW M18X40	1	STEEL	IS:1364-S-8.8	CAD PLTD.
D			LOCKING PLATE	1	M.S	IS:1079 ST.42	-DO-
C			MOUNTING BASE	1	MALLEABLE CAST IRON OR SGI	IS:2108	GALV.
B			INSULATOR	1	PORCELAIN	IS:731	
A			CAP	1	MALLEABLE CAST IRON OR SGI	IS:2108	GALV.
निर्देश संख्या	लागत एवं निर्माण संख्या	अंग आरेखण संख्या	वर्णन	मात्रा	पदार्थ	विशिष्टि	प्रति भार कि. ग्रा.
REF. NO.	C&D NO.	PART DRG. NO.	DESCRIPTION	QTY.	MATL	SPECN	WT. EACH IN K.G.

अधिकृत DGN		चिततरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA					
जीवा व.अ.अ. CHD SSE	SUBIR KUMAR MONDAL	पदार्थ MAIL				प्रति भार कि. ग्रा. WT. EACH IN KG	
समीक्षित स.वि.अ. / व.वि.अ. REVIEWED AEE / SEE	CHANDAN KUMAR	विशिष्टि SPECN					
अनुमोदित उ.मु.वि.अ. APPROVED DYCE	ANSHU KUMAR VERMA	वर्णन DESCRIPTION				1. PANTO MOUNTING INSULATOR FOR CONVENTIONAL LOCOMOTIVE. 2. PANTO MOUNTING & ROOF LINE INSULATORS FOR THREE PHASE LOCOMOTIVES.	
दिनांक DATE		आरेखण संख्या DRAWING NO.				CLWES/SK-4/AC/1-1/K	
स्केल SCALE	N.T.S.	परिवर्तन संख्या ALTERATION NO.				पृष्ठ SHEET	
संदर्भ / REF. ALT.-		परिवर्तन संख्या ALTERATION NO.				पृष्ठ SHEET	
परिवर्तन संख्या ALT. NO.	AUTHY	वर्णन DESCRIPTION				A2	
दिनांक DATED	INITIAL						