

PSICH /16- 17/02	Product Specifications For "ALUMINIUM FLANGE"	Drg. No.	RD DG 4 26 1133 2001
		Date	19.05.2016
		Product	THDF 500

1.0 Applications:

The Product, "Aluminum Flange" shall be used for 500/660MW Turbo-Generator (TG) Bushing applications.

2.0 Raw Material: Aluminum, HE-30 Grade


3.0 Dimensions of "Aluminum Flange"*:


Sl. No.	Diameter of Aluminum Flange (mm)	Length of Aluminum Flange (mm)	Quantity (Numbers)
01	OD = 280 ± 0.2 ID = 170 ± 0.1	145 ± 0.5	08

***For more details, Refer, Drawing No. RD DG 4 26 1133 2001**

4.0 Technical Specifications:

- I. Electrical conductivity of "Aluminum Flange" shall be greater than 45% (IACS)
- II. Surface finish of the "Aluminum Flange" shall be at least RA 0.8
- III. The "Aluminum Flange" shall be free from dirt, grease & any other loose particles.
- IV. Warranty of the "Aluminum Flange" shall be given for a period of 12 months from the date of acceptance by BHEL.
- V. Test Certificate/s of "Raw materials for Aluminum Flange" certifying the 'electrical conductivity' shall be submitted before dispatch of the items

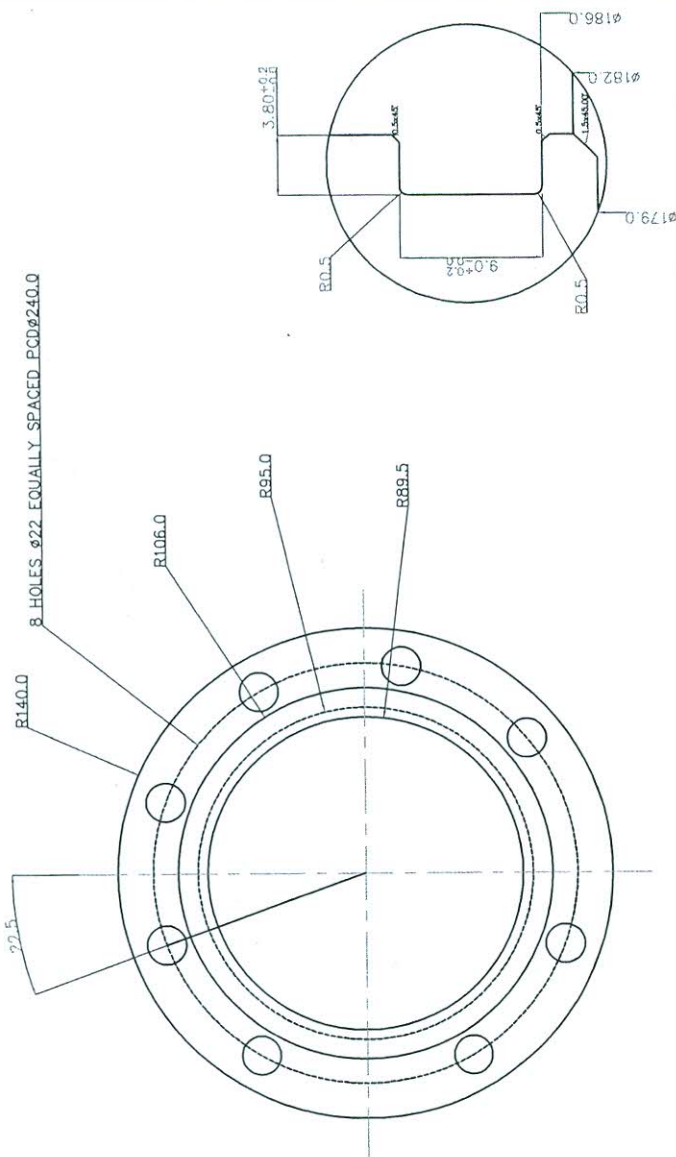
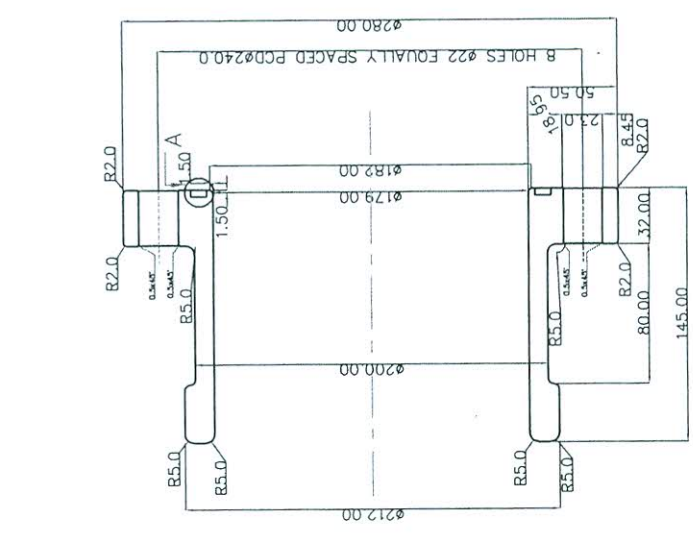
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PSICH / 16-17/02	Product Specifications For "High Electrical Conductivity Copper Conductor"	Drg. No.	RD DG 4 26 1133 1001
		Date	19.05.2016
		Product	THDF 500
1.0	Applications : 500/660 MW Turbo-generator (TG) Bushing		
2.0	Raw Material : High conductivity Electrical Grade (ETP grade) Copper Conductor		
3.0	Quantity : i) 8 No. s of following dimension OD (118±0.5mm) x ID (50±0.5 mm) x Length (1450±1 mm)		
4.0	Technical Specifications:		
	i) The specified copper material shall have minimum electrical conductivity of 95% (IACS). Supplied material will be tested at BHEL" Lab for electrical conductivity and the same will be rejected in case the conductors do not meet specified level of electrical conductivity.		
	ii) The material should be good & compatible for brazing, soldering and for electrical applications where high current transfer in involved.		
5.0	Dimensional check		
	The material shall comply with specified dimensions as per the supplied drawings (RD DG 4 26 1133 1001).		
6.0	Packing :		
	The copper conductor rods shall be packed in dust free boxes/enclosures.		
7.0	General:		
	i) The components shall be guaranteed against all manufacturing defects.		
	ii) Quotation shall be submitted by the Vendor on " price per piece " basis only.		
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RD DG 4 26 1133 2001

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)



View A

Note:
RD DG 4 26 1133. 0000 -
Version 1

VAR. NO.	REMARKS	VAR. ITEM NO.	DESCRIPTION	DRAWING NO.	ITEM NO.	UNIT WT.	QTY.
01	LT INSERT			RD DG 4 26 1133 3001	HE-30	01	

TYPE OF PRODUCT: LT INSERT

NAME OF CUSTOMER: 27.8 kV 500/660MW THDF BUSHING

DATE: 06.07.15

DRN: HE-30

CHKD: MM Rao

APPD: K S R Prasad

SCALE: NTS

WEIGHT(KG): RD DG 4 26 1133 0000

GRADE OF TOL. DIM. C/A/F: NTS

TITLE: LT INSERT

REV. DATE ALTERED CHECKED

ZONE

INVENTORY NO. SIGN. AND DATE

REF. DRG. NO.

