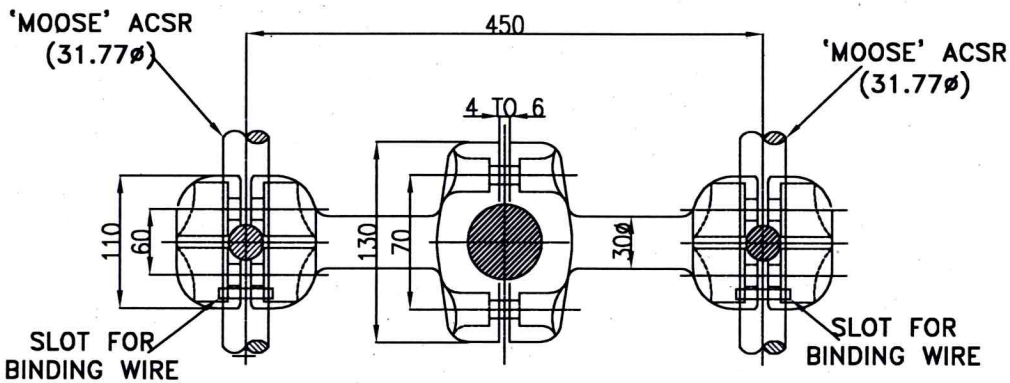
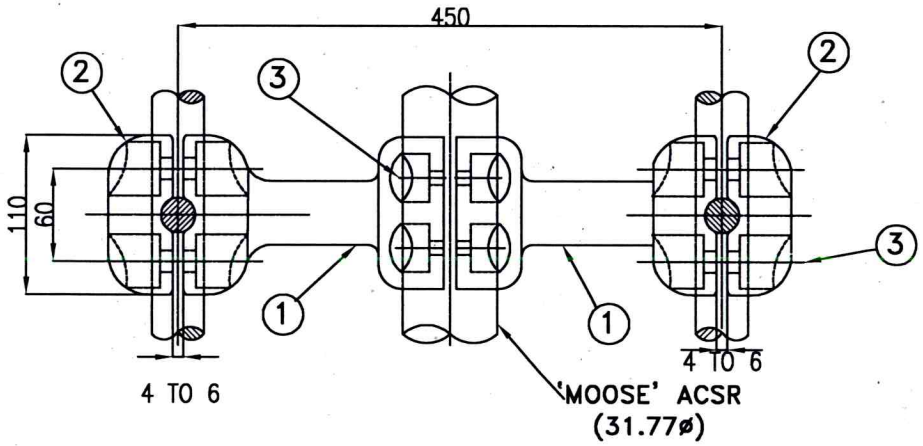


PLAN



ELEVATION

MATERIAL LIST

REF. NO	DESCRIPTION	MATERIAL	NO. OFF
1.	BODY PIECE	AL.ALLOY 4600(A6) TO IS: 617 -1994	2
2.	CLAMPING PIECE	-DO-	2
3.	M12x65 LONG BOLT WITH NUT,PL&SP WASHER	M.S.GALVD	12

NOTES:
1. REFERANCE TO IS: 5561-2016
2. THE INDICATED DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES
   I) UP TO 50mm ±5%
   II) FROM 51 TO 100mm ±4%
   III) FROM 101 TO 300mm ±3%
   IV) ABOVE 300mm ±2%
3. CURRENT RATING : 2000AMPS FOR 35°C RISE OVER 50°C AMBIENT.
4. CORONA EXTINCTION VOLTAGE :320KV (R.M.S)
5. BOLT TIGHTENING TORQUE : M10-25Nm, M12-35Nm, M16-55Nm.
6. RIV.LEVEL: LESS THAN 1000uV AT 320KV(RMS) AT 1MHz.
7. SHORT TIME CURRENT RATING 50KA FOR 1SEC
8. THE BOLTS,NUTS AND PLAIN WASHERS SHALL BE M.S.HOT DIP GALVD. AS PER IS-2633 AND THE SPRING WASHERS SHALL BE ELECTRO GALVD. TO SUIT SERVICE CONDITION 3 OF IS 1573.
9. THE MINIMUM THICKNESS OF ANY CURRENT CARRYING PART OF THE CLAMP SHALL BE 10mm
10. ALL SHARP CORNERS SHALL BE ROUNDED OFF
11. SLIP STRENGTH : 110Kgs.
12. RATED VOLTAGE : 400kV.

CLAMP NO:	22
NTPC Doc. No.	Document Description
9962-001-TB-572-PVE-C-136	400kV CLAMPS & CONNECTORS - DRAWINGS
9962-001-TB-572-PVE-W-167	400kV CLAMPS & CONNECTORS - TYPETEST REPORTS

REV.	DATE	ALTD	CHD	APPD

JOB NO.
STATUS
DISTRIBUTION

NTPC DRG. No. | REV.

PROJECT: 1 X 660MW PANKI THERMAL POWER EXTENSION PROJECT

MANUFACTURER: PREMIER POWER PRODUCTS (CALCUTTA) PVT.LTD
CHENNAI-INDIA

OWNER: UTTAR PRADESH RAJYA VIDYUT UTPADAN NIGAM LTD.

REVIEW CONSULTANT: NTPC LTD.
(A GOVERNMENT OF INDIA ENTERPRISE)

CONSULTANT: DEVELOPMENT CONSULTANTS PVT. LTD.
KOLKATA

EPC CONTRACTOR: BHARAT HEAVY ELECTRICALS LTD.

BHARAT HEAVY ELECTRICALS LTD
TRANSMISSION BUSINESS GROUP
NOIDA

DEPT CODE		NAME	DATE
M	DRN	A.MAHAJAN	17.08.20
	CHD	A.A.S.PILLAI	
	APPD	A.A.S.PILLAI	

TITLE: SUPPLY -CLAMPS & CONNECTORS: 400kV, 50kA FOR 1S, 1000A TEE CONNECTOR SUITABLE FOR TWIN MOOSE ACSR TO SINGLE MOOSE ACSR WITH 450mm SUB CONDUCTOR SPACING.

DEPT. SIGN | SCALE | DRAWING NO. PPP-G-5069 | SHEET | OF | REV.

550441/2021/IBG-IBG ENGG