

FIRST ANGLE PROJECTION

REV.	DATE	ALTERED	REV.	DATE	ALTERED	ADDITIONAL INFORMATION	
		CHECKED					
		APPROVED					
ZONE			ZONE			STATUS OF DRAWING	
			DRG. REVISED TO INCORPORATE NTPC COMMENTS ON GA DRG.			DRG.No.4-17053-41065	
						DISTRIBUTION OF PRINTS	
						CDE-2 STM-4	

DESIGN DATA

a. DESIGN PRESSURE ----- 10 Kg/sq.cm.g & FULL VACUUM.

b. HYD. TEST PRESSURE ----- 20 Kg/sq.cm.g

c. DESIGN TEMPERATURE ----- 50 DEG. C

d. VACUUM TEST ----- 700 mm Hg

DETAIL - Z

1	HIGH GRADE ABRASION RESISTANT NEOPRENE INNER COVER: 4.5 THK 2 LAYERS
2	NYLONE FABRIC/TYRE CORD LAYERS
3	METAL REINFORCEMENT (COPPER COATED STEEL WIRE OR SOLID STEEL ENDLESS RINGS): 16 SQUARE ROD
4	WIRE REINFORCEMENT (COPPER COATED STEEL WIRE OR SOLID STEEL ENDLESS RINGS): 4 SWG
5	FILLER RUBBER (NATURAL)
6	HIGH GRADE ABRASION RESISTANT NEOPRENE OUTER COVER: 4.5 THK.

TECHNICAL REQUIREMENTS (TR)

- VENDOR TO FURNISH DIMENSION P, R, N, T, X & S.
- MATERIAL SPECIFICATION AND OTHER TECHNICAL CONDITION AS PER TECHNICAL SPECIFICATION No. HE-54017.
- AXIAL COMPRESSION ----- 25 mm
AXIAL ELONGATION ----- 13 mm
LATERAL MOVEMENT ----- ±13 mm
- THE RETAINING RING GAP BETWEEN THE ANY TWO SEGMENTS SHOULD BE LIMITED TO 4 mm max.
- RETAINING RING BOLT HOLE POSITION SHALL BE MATCH MARKED FROM RUBBER BELLOWS FLANGE BEFORE DRILLING PROPER IDENTIFICATION MARKS SHALL BE PUT ON RETAINING RINGS, WITH 'EB' NUMBER OF RESPECTIVE RUBBER BELLOWS.
- BOLT HOLES ON THE EXPANSION JOINT (RUBBER BELLOWS) FLANGE SHALL BE TREATED/COATED WITH SELF VULCANISING RUBBER.
- RETAINING RINGS SHALL BE HOT DIP GALVANISED.
COATING THICKNESS: 0.100 TO 0.130 mm.
- CHLORINATED RUBBER BASED PAINT COMPATIBLE WITH NEOPRENE RUBBER, SHALL BE APPLIED AS PROTECTING COATING ON INNER & OUTER SURFACE OF BELLOWS.
- BELLOWS TO HAVE HARD MARKING OF 'EB' NUMBER & DATE OF MANUFACTURE ON EACH BELLOWS.
- MATERIAL OF RETAINER RINGS: IS2062 Gr.B
- SHORE HARDNESS: 65±5' SHORE 'A'

FOR C-BOM REFER DRG.No. 3-17053-41923			ITEM No.002		PRODUCT GROUP No.1				
INVENTORY NO.	SIGN. & DATE	4-17053-41066 REF. DRG. NO.	1x660 MW PANKI TPS EXTN.	भारत हेवी इलेक्ट्रिकल्स लिमिटेड भोपाल BHARAT HEAVY ELECTRICALS LTD. BHOPAL	नाम / NAME	हस्ता / SIGN.	दि. / DATE	वे. नं. की संख्या NO. OF VAR.	
					क्याया DRN.	दिलीप सुरवाडे		18.06.20	
					जोडा CKD.	पवन राय		19.06.20	
					स्वीकृत APPD.	ए.के.माहौर		20.06.20	
विभाग DEPT.	उत्प. टोल. नाप की श्रेणी	उत्पात SCALE	भारत के. ग. WEIGHT (K.G.)	उत्प. ड्राईंग का संदर्भ REF. TO ASSY. DRG.	मद क. ITEM NO.	मद संख्या NO. OF ITEM			
कोड CODE 411	AA0230208	--	250	3-17053-41923	002	--			
शीर्षक / TITLE				ड्राईंग नं. / DRAWING NO.		पृष्ठ नं. / REV.			
CONVENTIONAL R.E. JOINT (700NB)				4-17053-41086		01			
RUBBER BELLOWS				पृष्ठ नं. / SHT. NO. 1		पृष्ठों की संख्या NO. OF SHT. 4			