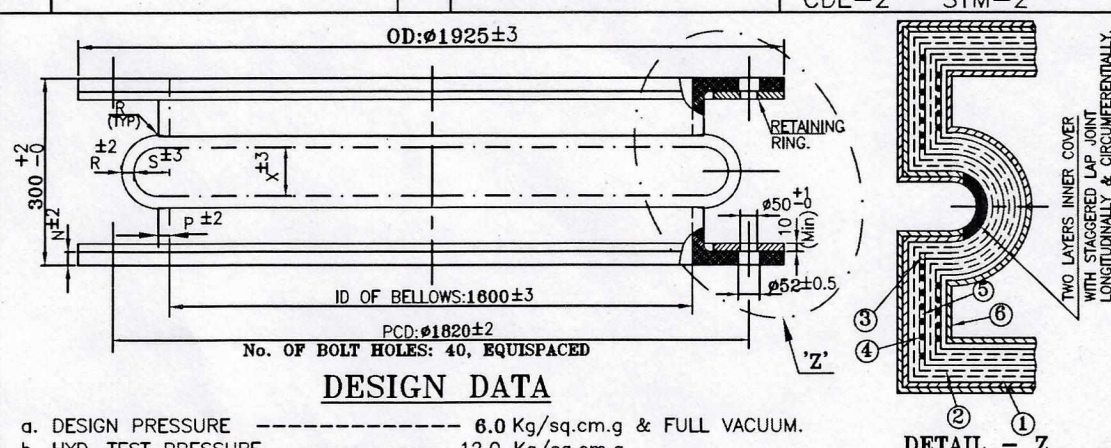


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FIRST ANGLE PROJECTION

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN THE WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.	REV.	DATE	ALTERED	REV.	DATE	ALTERED	ADDITIONL INFORMATION W.O. No.19061-S-11265 STATUS OF DRAWING DRG.LIST No.- DISTRIBUTION OF PRINTS CDE-2 STM-2											
			CHECKED			CHECKED												
			APPROVED			APPROVED												
	ZONE			ZONE														
210 M.W RAICHUR TPS M/S KPCL																		
	DESIGN DATA a. DESIGN PRESSURE ----- 6.0 Kg/sq.cm.g & FULL VACUUM. b. HYD. TEST PRESSURE ----- 12.0 Kg/sq.cm.g c. DESIGN TEMP. ----- 60 DEG. C d. VACUUM TEST ----- 30 mm Hg abs TECHNICAL REQUIREMENTS(TR) 1. VENDOR TO FURNISH DIMENSION P,R,N,T,X & S. 2. MATERIAL SPECIFICATION AND OTHER TECHNICAL CONDITION AS PER TECHNICAL SPECIFICATION No.HE-54017. 3. STIFFNESS OF BELLOWS AT DESIGN PRESSURE OF 5Kg/cmg A) LATERAL STIFFNESS.....3600 N/mm.max, (AT 15mm DEFLECTION) B) AXIAL STIFFNESS.....1600 N/mm.max, (AT 15mm DEFLECTION) 4. AXIAL COMPRESSION ----- 25 mm AXIAL ELONGATION ----- 25 mm TRANSVERSE MOVEMENT ----- 25 mm 5. DEFLECTION MOVEMENT TEST IN VACUUM CONDITION AT AN INTERVAL OF 5mm AND PRESSURE INTERVAL OF 1 Kg/sq.cm UP TO DESIGN PRESSURE 6.0 Kg/sq.cm.g. OF MOVEMENT OF 5mm. AT EACH STEP. 6. THE RETAINING RING GAP BETWEEN SEGMENTS SHOULD BE LIMITED TO 4mm max. 7. RETAINING RING SHALL BE MATCH MARKED AND PROPER IDENTIFICATION MARKS SHALL BE PUT ON RETAINING RINGS, WITH 'EB' NUMBER OF RESPECTIVE RUBBER BELLOWS. 8. BOLT HOLES ON THE EXPANSION JOINT (RUBBER BELLOWS) FLANGE SHALL BE TREATED/COATED WITH SELF VULCANISING RUBBER. 9. CHLORINATED RUBBER BASED PAINT COMPATIBLE WITH NEOPRENE RUBBER SHALL BE APPLIED AS PROTECTIVE COATING ON INNER & OUTER SURFACE OF BELLOWS. 10. MATERIAL OF RETAINER RINGS:IS2062 Gr.B (HOT DIP GALVANIZED) 11. SHORE HARDNESS = 65±5 SHORE-A <table border="1"><tr><td>1</td><td>NEOPRENE INNER COVER:4.5 THK 2 LAYERS</td></tr><tr><td>2</td><td>NYLONE FABRIC/TYRE CORD LAYERS</td></tr><tr><td>3</td><td>METAL REINFORCEMENT: 16 SQUARE ROD</td></tr><tr><td>4</td><td>G.I WIRE REINFORCEMENT: 4 SWG</td></tr><tr><td>5</td><td>FILTER RUBBER (NATURAL)</td></tr><tr><td>6</td><td>NEOPRENE OUTER COVER: 4.5 THK</td></tr></table>						1	NEOPRENE INNER COVER:4.5 THK 2 LAYERS	2	NYLONE FABRIC/TYRE CORD LAYERS	3	METAL REINFORCEMENT: 16 SQUARE ROD	4	G.I WIRE REINFORCEMENT: 4 SWG	5	FILTER RUBBER (NATURAL)	6	NEOPRENE OUTER COVER: 4.5 THK
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SIGN. & DATE	PRODUCT GROUP No.1																	
INVENTORY NO.	 भारत हेवी इलेक्ट्रिकल्स लिमिटेड भोपाल BHARAT HEAVY ELECTRICALS LTD. BHOPAL																	
	विभाग DEPT.CDE	उत्प. टोल. नाप की रेखा UNTOOL. DIMS. GR.	उत्प. माप SCALE	भार. कि.ग्रा. WEIGHT(K.G.)	उत्प. ड्राइंग का संदर्भ REF. TO ASSY. DRG.	मद. क्र. ITEM NO.	मद. संख्या NO. OF ITEM											
	कोड CODE 411	M AA0230208	---	500	---	---	---											
	शीट क्र. / TITLE					ड्राइंग क्र. / DRAWING NO.	उत्प. / REV.											
BARE BELLOWS					4-17053-41076	00												
					पृष्ठ क्र. / SHT. NO. 1	पृष्ठों की सं. NO. OF SHT. 1												