



BHARAT HEAVY ELECTRICALS LIMITED

RAMACHANDRAPURAM, HYDERABAD-32

PROJECT ENGINEERING & SYSTEMS DIVISION

**TYPICAL RUBBER LINED PIPING COMPONENTS DRAWING
RUBBER LINED PIPING PACKAGE**

**ANNEXURE-C TO PEMC-07395
JOB SPECIFICATION FOR RUBBER LINED PIPING PACKAGE
TCL MITHAPUR**

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GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

COMPUTER FILE NAME

SIGN. AND DATE

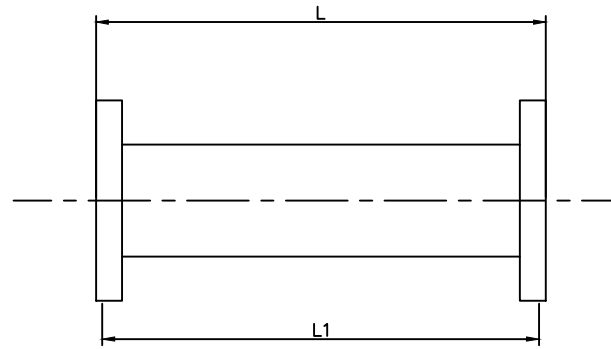
INVENTORY NO

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

ESP-001-11A

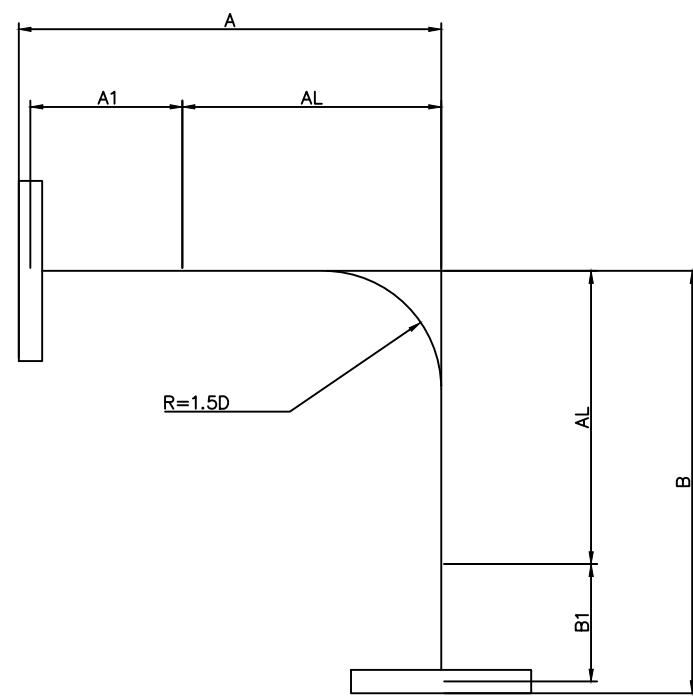
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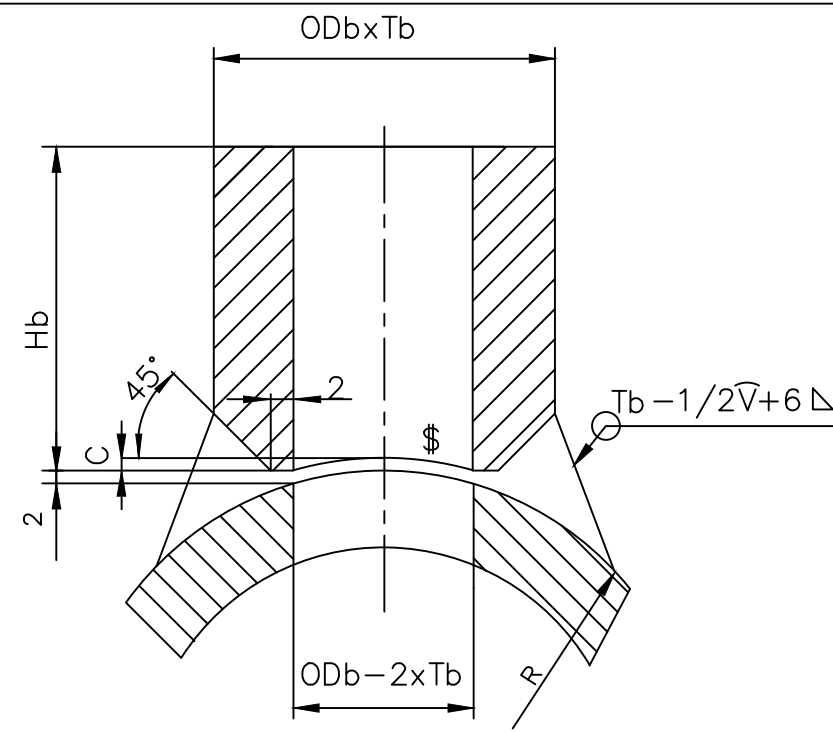
(FIG-1)
FLANGED PIPE-RUBBER LINED
(FLG & R/L)

NOTES: -

1. FOR PRE-FABRICATED RUBBER LINED SPEC, REFER PYS2668
2. L1 IS THE ACTUAL LENGTH OF PIPE REQUIRED
3. FOR PAINTING/COATING REFER APPLICABLE PAINTING DOCUMENT



(FIG-2)
FLANGED ELBOWS-RUBBER LINED
(FLG & R/L)



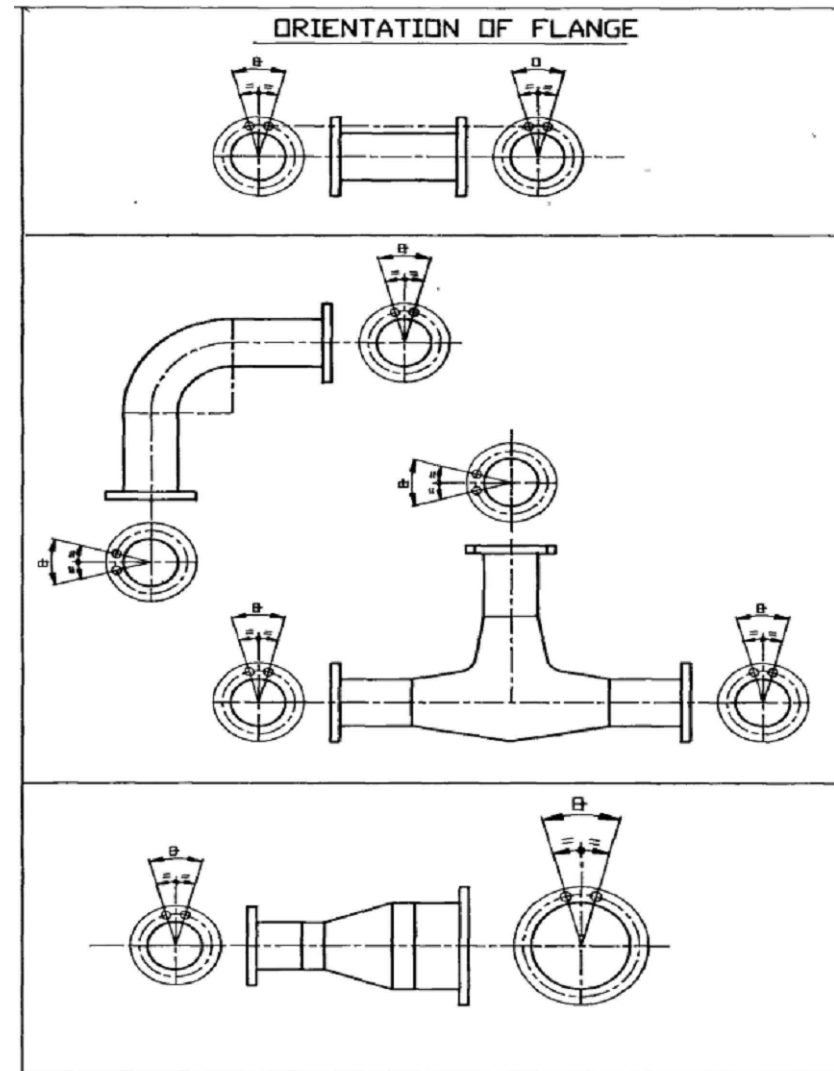
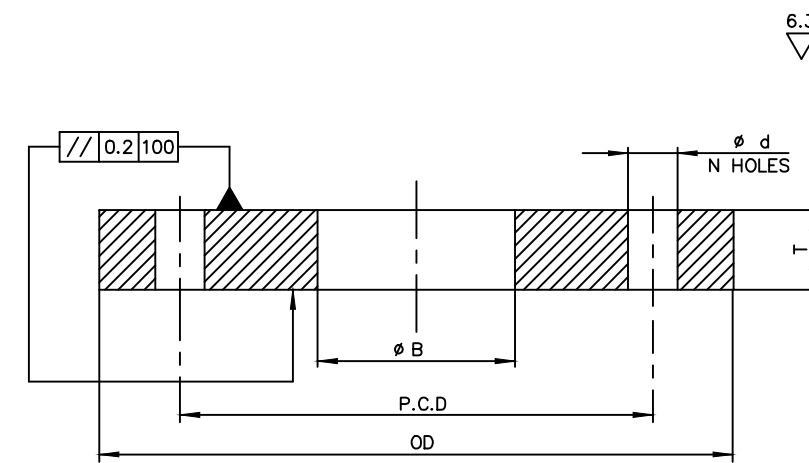
\$ BRANCH PIPE SHALL BE CUT TO SUIT THE OUTER SURFACE OF THE MAIN PIPE SUCH THAT A UNIFORM ROOT GAP OF 2 mm IS MAINTAINED THROUGHOUT

(FIG-3)

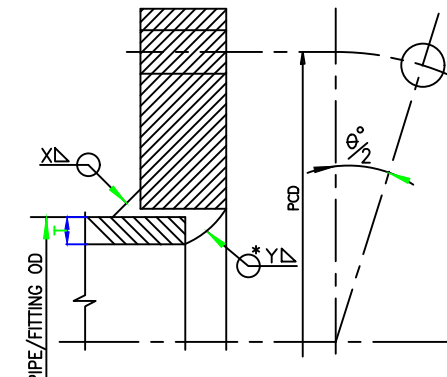
FLANGED PIPE WITH ONE STUB - RUBBER LINED (FLG & R/L)

NOTES: -

1. L1 IS THE ACTUAL LENGTH OF MAIN PIPE REQUIRED
2. Hb IS THE ACTUAL LENGTH OF BRANCH PIPE REQUIRED



TYPICAL FLANGE WELDING DETAILS WITH CONNECTING PIPE/FITTING



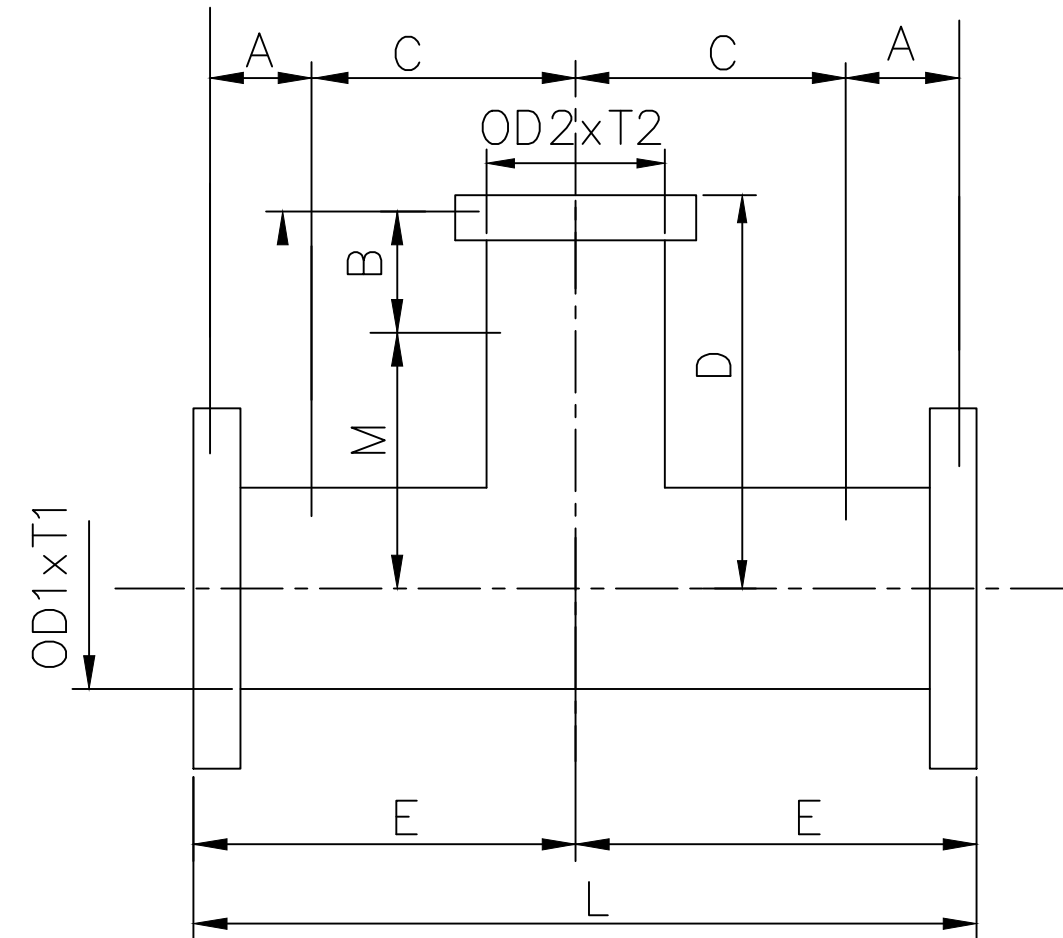
- T INDICATES NOMINAL THICKNESS OF CONNECTING PIPE/FITTING
X = T
Y = T OR 6 MM WHICHEVER IS SMALLER
- NOTES:
1. * WELD TO BE FINISHED, ROUND AND SMOOTH
2. FOR FLANGE WELDING WITH PIPE/FITTING, THE DRILLED HOLES SHALL BE EQUALLY STAGGERED WITH RESPECT TO LONGITUDINAL AXIS OF PIPE/FITTING

NOTES:

- ALL OTHER DIMENSIONS SHALL BE AS PER
A) ASME B16.5 FOR SIZES UPTO AND INCLUDING NB600
B) ANWA C207 FOR SIZES ABOVE NB600 UPTO AND INCLUDING NB1300
C) EN1092 FOR SIZES ABOVE NB1300

(FIG-4)

TYPICAL FLANGE DETAILS WITH CONNECTING PIPE/FITTING



NOTES:

1. A & B ARE THE ACTUAL LENGTHS OF PIPE REQUIRED TO MATCH THE DIMENSIONS L & D.

(FIG-5)

FLANGED FORGED TEES RUBBER LINED

(FLG & R/L)

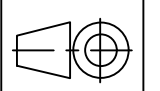


BHARAT HEAVY ELECTRICALS LTD.
HYDERABAD

NAME	SIGN.	DATE	NO. OF VAR.
DRN. IMRAN		14.03.19	
CHD. GUK		14.03.19	NA
APPD. SRIKANTH		14.03.19	

DEPT. PE&SD
CODE. 450

UNTOOL. DIMS. OR. G.M.F.



SCALE 1:60

WEIGHT (KG) NA

REF. TO ASSY. DRG. -N.A.-

ITEM NO. -N.A.-
NO. OF ITEMS -N.A.-

TITLE
TYPICAL RUBBER LINED
PIPING COMPONENTS DRAWING

CARD CODE N.A.

BHEL DRG. NO. PY-DH-1-0000-0000-02
CUST DRG. NO. SHT. No 01
REV. 00
NO. OF SHT. 01

ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE
CHD/APPD			CHD/APPD			CHD/APPD			CHD/APPD			CHD/APPD			CHD/APPD			CHD/APPD		
	ZONE			ZONE			ZONE			ZONE			ZONE			ZONE			ZONE	
1			2			3			4			5			6			7		