

Enquiry No 4202500017 dt 25.09.2025
Procurement of Low Pressure (LP) Piping for various Adani projects

Date- 16.10.2025

Dear Sir / Madam,

Sub: Procurement of Low Pressure (LP) Piping for various Adani projects as per BHEL Enquiry No 4202500017 dt 25.09.2025.

With regard to the subject Enquiry for Procurement of Low Pressure (LP) Piping for various Adani projects as per BHEL Enquiry No 4202500017 dt 25.09.2025, Corrigendum 1 dt 16.10.2025 is issued for the following.

a) In addition to the drawings provided along with the Enquiry, following part drawings are also applicable. Copy of these part drawings are enclosed. For drawing and item correlation, 'Annexure C- Detailed Piping System BOM' of Enquiry shall be referred.

- 2-80-616-06449-R00
- 3-80-612-21070-R00
- 3-80-612-21071-R00
- 3-80-999-99253-R01
- 3-80-999-99254-R00
- 3-80-999-99256-R02
- 4-80-453-58056-R00
- 4-80-999-99172-R00

b) For Stainless Steel Pipes & Tubes, customer approved vendor list has been indicated in the Enquiry. Same customer approved vendors shall be followed for SA312TP316L and SA312TP304H specifications also covered in the Enquiry.

b) Tender due date for bid submission has been extended till **12.00 PM on 23.10.2025**. Part I bids will be opened at **03.00 PM on 23.10.2025**.

Prospective bidders are requested to take note and submit their quote before the extended tender due date.

For BHEL Trichy,

Anil Sree
Manager / MM / RM
BHEL Trichy, Tamil Nadu, India

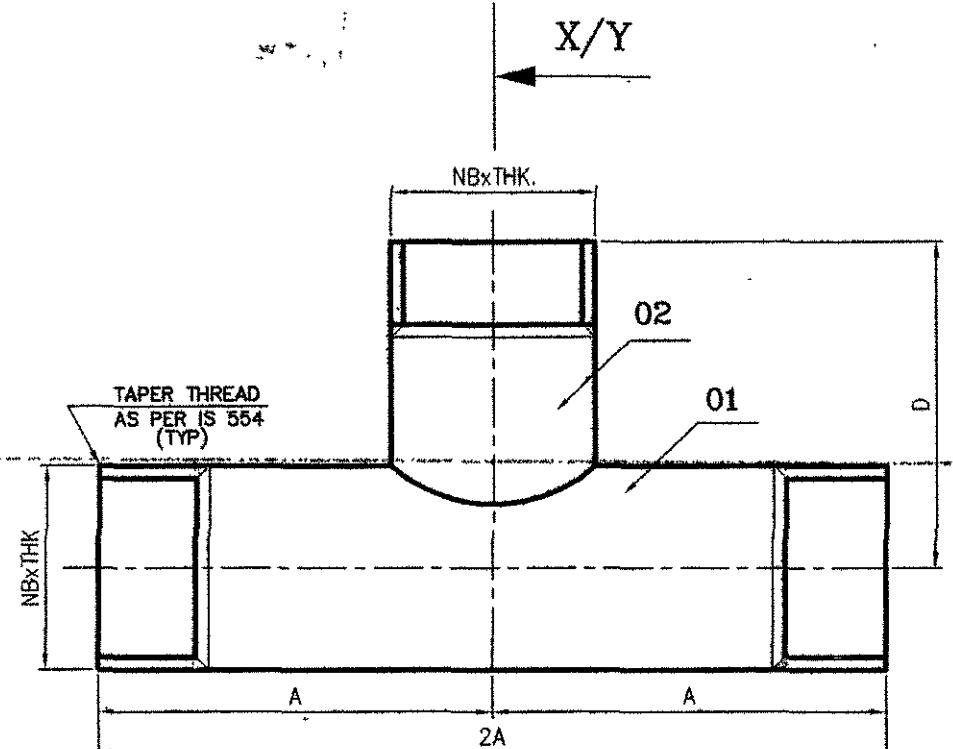
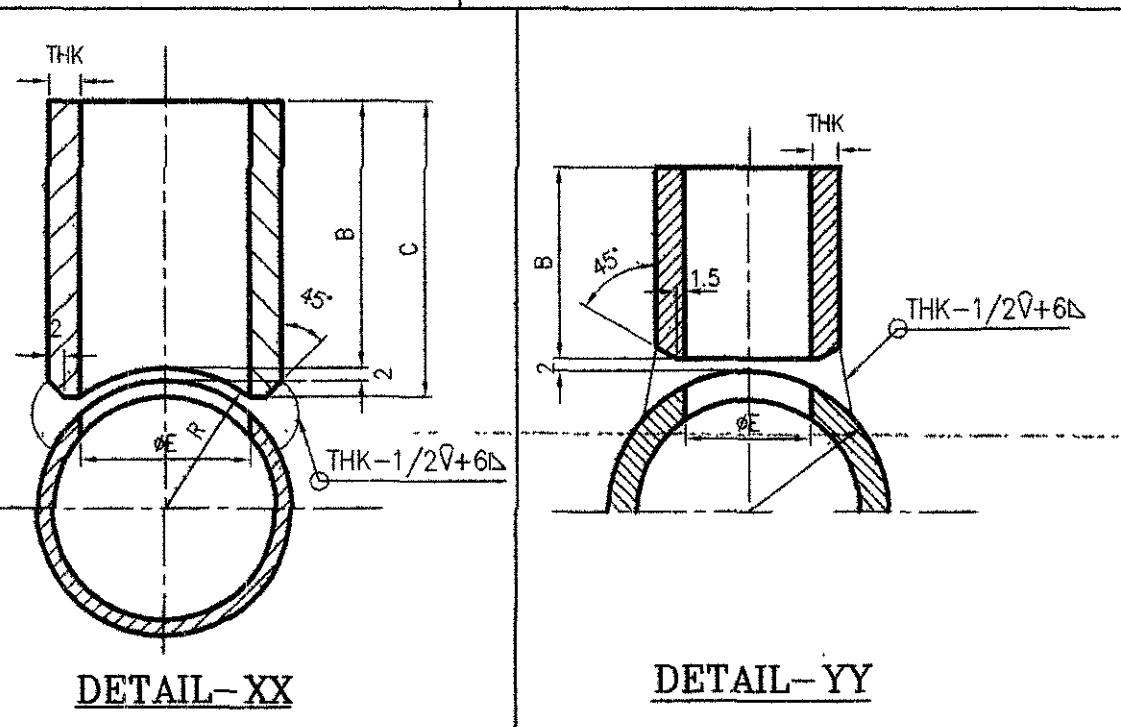
ALL DIMENSIONS ARE IN MILLIMETRES

NOTES: -

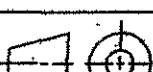
- 01 BRANCH CONNECTION WELDING SHOULD BE OF FULL PENETRATION TYPE.
- 02 INSIDE GRINDING IS TO BE DONE FOR THE BRANCH WELDING.
- 03 GALVANISING SHOULD BE DONE AFTER WELDING AND IT SHOULD BE AS PER IS: 4736.
- 04 THREADING SHALL BE DONE AFTER GALVANISING.
- 05 ALL THREADS SHALL BE OF EXTERNAL TAPER THREADS AS PER IS: 554.

2-80-616-0644

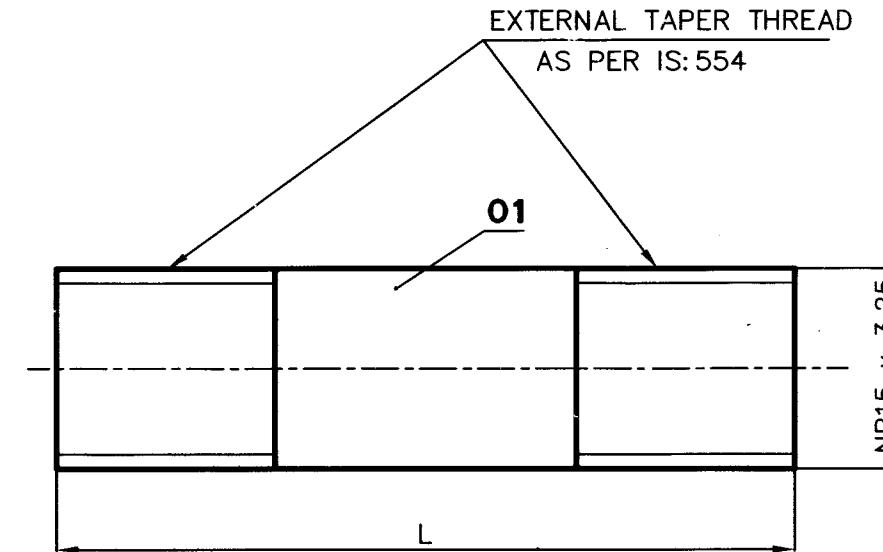
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REV	DATE	ALTD
		APPD
ZONE		

ITEM NO	DESCRIPTION	DRAWING NO	MATERIAL CODE		UNIT WEIGHT			
			MATERIAL SPECN	C				
02	PIPE L=65.4 NB15 X 3.25	2-80-616-06449	15 838 002 0000 IS 1239 BLACK	C	0.948 1			
01	PIPE L=200 NB150 X 5.4	2-80-616-06449	15 838 022 0000 IS 1239 BLACK	C	4.240 1			
01	PIPE L=145 NB150 X 5.4	2-80-616-06449	15 838 025 0000 IS 1239 BLACK	C	3.074 1			
01	PIPE L=500 NB150 X 5.4	2-80-616-06449	15 838 025 0000 IS 1239 BLACK	C	10.6 1			
VAR NO	ITEM NO	DESCRIPTION	DRAWING NO	MATERIAL CODE	UNIT WEIGHT			
				MATERIAL SPECN	C QUANTITY			
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT								
 BHARAT HEAVY ELECTRICALS LTD., PIPING CENTRE, CHENNAI 600 017				DRN M.ARUTCHELVAN	NAME M.ARUTCHELVAN	SIGN <i>M. Arutchelvan</i>	DATE 26.10.01	NO OF ITEMS
				CHD R.RAMKUMAR	NAME R.RAMKUMAR	SIGN <i>R. Ramkumar</i>	DATE 26.10.01	
				APPD C.K.KARAN	NAME C.K.KARAN	SIGN <i>C.K. Karan</i>	DATE 26.10.01	
DEPT.	GRADE OF UN TOL DIM	SCALE	WEIGHT (kg)	REF TO ASSY / OLD DRG	ITEM No.			
CODE	C/M/F							
TITLE MILD STEEL WELDED TEES (GALVANISED)				CARD CODE U 01	DRAWING No. 2-80-616-06449 00			

DRAWING NO. 3-80-612-21070



NOTE:

VAR NO.	L	REMARKS
01	75	
02	150	
03	225	

VAR NO.	DESCRIPTION	DRAWING NO.	ITEM NO.	MATERIAL CODE	A	UNIT WT.
			VAR NO.	MATERIAL SPEC.		
03	PIPE NB 15 x 3.25 L=225	3-80-612-21070	15 838 001 0000	IS 1239 G&T	C	0 330
02	PIPE NB 15 x 3.25 L=150	3-80-612-21070	15 838 001 0000	IS 1239 G&T	C	0 220
01	PIPE NB 15 x 3.25 L=75	3-80-612-21070	15 838 001 0000	IS 1239 G&T	C	0 110

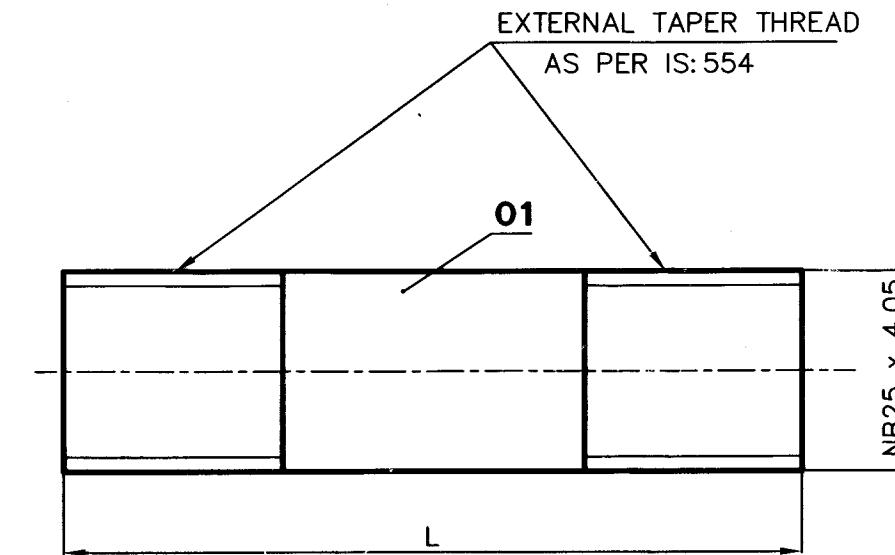


BHARAT HEAVY ELECTRICALS LIMITED
PIPING CENTRE
MADRAS 600 017

DRN	NAME	SIGN	DATE	NO. OF VAR.
C.KUMAR		CK	01.09.03	
C.KARUNAKARAN		CK	5-9-03	
APPD	C.KARUNAKARAN	CK	5-9-03	

REV 01	DATE	ALTERED	CODE	DEPT PC	GRADE OF UNTOL. DIM C/M/F	SCALE N.T.S	WEIGHT (KG)	REF. TO ASSY./OLD DRG.	ITEM NO.	NO. OF ITEMS
		APPROVED								
			ZONE							
TITLE SCREWED NIPPLE NB 15					CARD CODE U 01	DRAWING NO. 3-80-612-21070	REV 00			

3-80-612-21071



NOTE:

VAR NO.	L	REMARKS
01	75	
02	150	
03	225	

VAR NO.	DESCRIPTION	DRAWING NO.	ITEM NO.	MATERIAL CODE	A	UNIT WT.
			VAR NO.	MATERIAL SPEC.	C	QTY.
03	PIPE NB 25 x 4.05 L=225	3-80-612-21071	15 838 007 0000	IS 1239 G&T	C	0 660
02	PIPE NB 25 x 4.05 L=150	3-80-612-21071	15 838 007 0000	IS 1239 G&T	C	0 440
01	PIPE NB 25 x 4.05 L=75	3-80-612-21071	15 838 007 0000	IS 1239 G&T	C	0 220



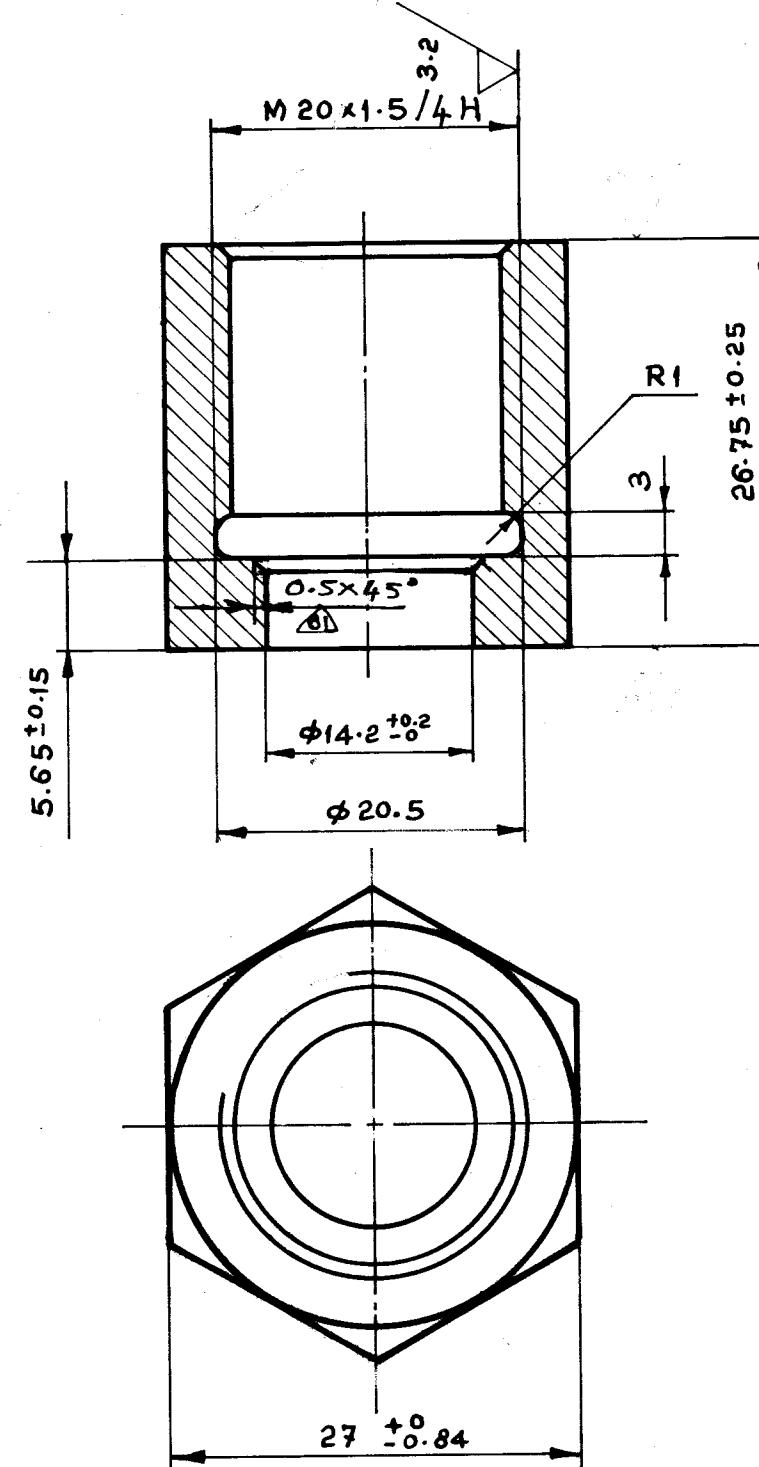
BHARAT HEAVY ELECTRICALS LIMITED
PIPING CENTRE
MADRAS 600 017

NAME	SIGN	DATE	NO. OF VAR.
DRN C.KUMAR	<i>C.Kumar</i>	01.09.03	
CHD C.KARUNAKARAN	<i>C.Karunakaran</i>	5-9-03	
APPD C.KARUNAKARAN	<i>C.Karunakaran</i>	5-9-03	

REV	DATE	ALTERED	TITLE	SCREWED NIPPLE NB 25	REF. TO ASSY./OLD DRG.	ITEM NO.	NO. OF ITEMS
CODE	PC	GRADE OF UNTOL. DIM C/M/F					
01	ZONE	APPROVED	CARD CODE U 01	DRAWING NO. 3-80-612-21071	REV 00		

3-80-999-99253

DRAWING NO.



$$12.5 \quad \left(\begin{array}{c} 3.2 \\ \checkmark \end{array} \right)$$

ITEM No.	DESCRIPTION	STD.	DRAWING No.	ITEM No.	MATL. CODE	A — C	UNIT	UNIT. WT.	
								QTY.	QTY.
02	UNION NUT - CS M 20x1.5 - RH		3-80-999-99253	15 939 140	SA 105	A		0 040	
01	UNION NUT - AS M 20x1.5 - RH		3-80-999-99253	15 939 316	SA182F22CL3	A		0 040	

STANDARD PRESSURE GAUGE CONNECTING LOOPS



Bharat Heavy Electricals Ltd
BOILER PLANT UNIT
TIRUCHIRAPALLI 620 014

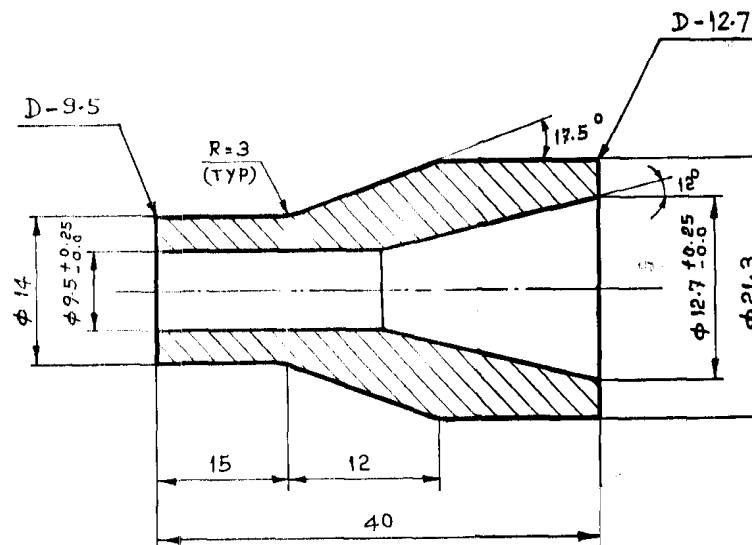
DRN.	NAME	SIGN	DATE	No. OF VAR.
	D.HARI KRISHNA	Subhiksha	24/7/89	
CHD.	R.A.NANTH	Pranav		
APPD.	M.PAUL ROBERT	M. Paul	8/9/89	

REV 01	DATE 30/3/2001	ALTERED by Janawne CHECKED APMR	DEPT	GRADE OF UNTOL. DIM. C/M/F		SCALE	WEIGHT (kg)	REF. TO ASSY/ OLD DRG.	ITEM No.	
<p>MATL. SPECN. FOR VAR. NO. 01 ALTERED FROM "SA182F22" TO "SA182F22CL3" CHAMFER OF 0.5X45° ADDED, AT THE INNER SEATING SURFACE.</p>					TITLE	<p><u>UNION NUT</u></p>		CARD CODE U 01	DRAWING No. 3 - 80-999-99253	REV. 01

4254 - 666 - 08 - E

DRAWINGS NO.

12.5



VARIANT No.	ITEM No.	DESCRIPTION	STD.	DRAWING NO.	ITEM No.	MATL. CODE	A UNIT	UNIT. WT.	GS
					VAR. No.	MATL. SPEC.			
02		REDUCER CS Nb 15/10		3-80-999-99254	15 939 139	A		0.040	
01		REDUCER AS Nb 15/10		3-80-999-99254	15 939 341	A		0.040	

TYPE OF PRODUCT STANDARD
OR NAME OF
CUSTOMER/ PROJECT PRESSURE GAUGE CONNECTING LOOP ASSY.

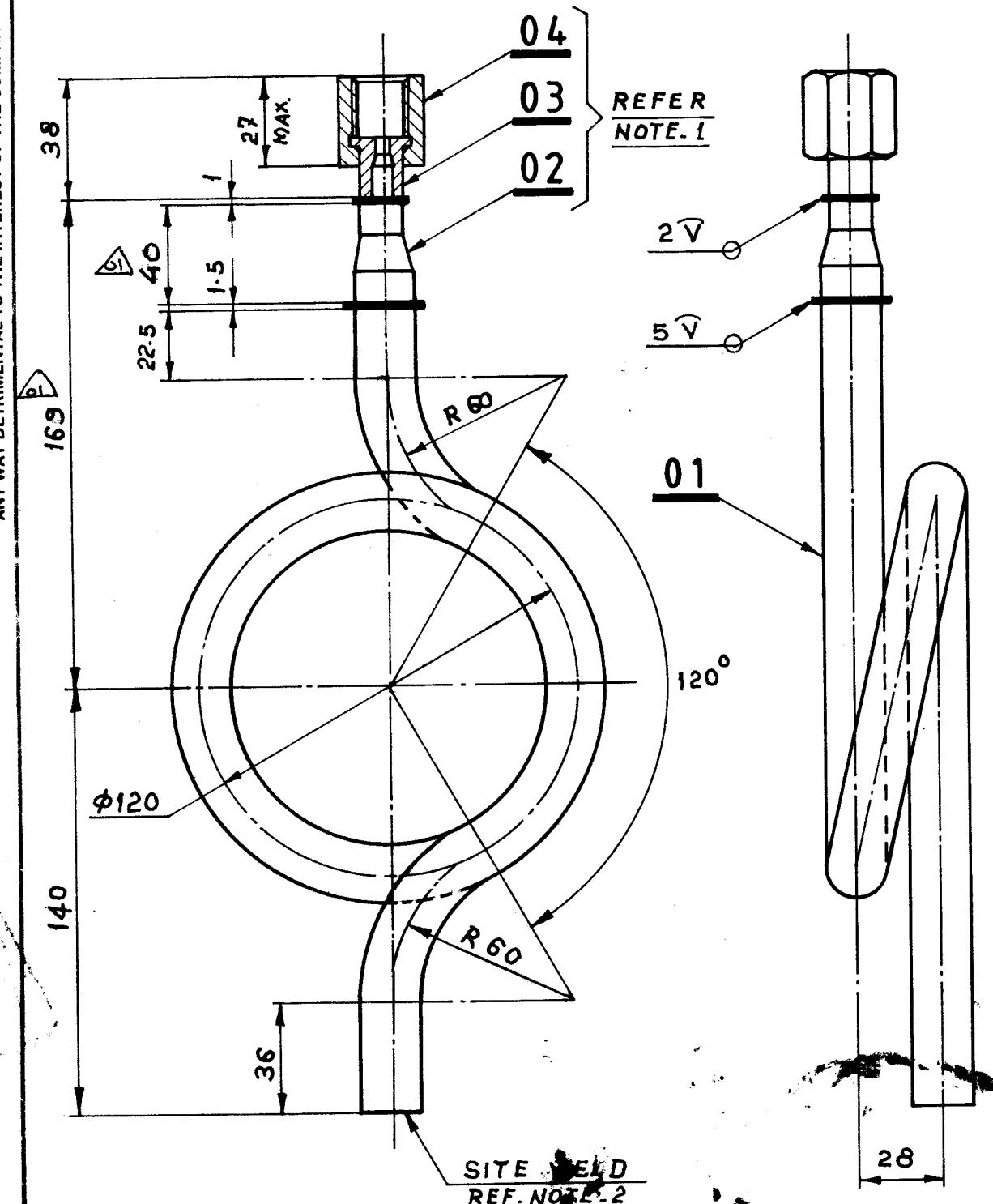
	Bharat Heavy Electricals Ltd., BOILER PLANT UNIT TIRUCHIRAPALLI 620 014	DRN D. HARI KRISHNAN	SIGN <i>[Signature]</i>	DATE 24/07/89	No. OF VAR
CHD	R. ANANTHA	<i>[Signature]</i>			
APPD	M. PAUL ROBINSON	<i>[Signature]</i>			

REV	DATE	ALTERED
01		CHECKED

DEPT	GRADE OF UNTL. DIM. C/M/F	SCALE	WEIGHT (KG)	REF. TO ASSY	OLD DRG	ITEM No.
TITLE						REV.
REDUCER Nb 15/10	U 01			3 - 80 - 999 - 99254	00	

95266-666-08-E

DRAWING NO.



1ST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

NOTES:-

- UNION NUT M 20 x 1.5 (ITEM NO. 04) IS TO BE INSERTED BEFORE WELDING ITEMS NOS. 02 AND 03.
- WHERE EVER THIS END IS JOINED BY BUTT WELDING, EDGE PREPARATION SHALL BE DONE AT SITE TO SUIT THE CONNECTING PIPE THICKNESS, AS GIVEN BELOW:

CONNECTING PIPE	EDGE PREPN. STYLE	'd' VALUE
Φ 21.3 x 3.73	D	14.5
Φ 21.3 x 4.78	D	12.7

- WELDING CONSUMABLE : FOR VAR. NO. 01 (AS) RT 2 1/4 CY. 1 MO. (ATTEST) (TIG ROOT)
- FOR VAR. NO. 02 (CS) RT 1/2 MO. (ATTEST)

VARIANT NO.	ITEM NO.	DESCRIPTION	STD.	DRAWING NO.	ITEM No.	MAIL. CODE	UNIT WT.
					VAR. NO.	MATL. SPEC.	
04	UNION NUT M 20x1.5 - CS - RH	3-80-999-99253		15 939 140	A	0 040	
02	SA 105			02	SA 105		
03	TAIL PIPE - CS	4-80-999-99172		15 939 139	A	0 020	
02	SA 105			02	SA 105		
02	REDUCER - CS NB 15 / NB 10	3-80-999-99254		15 939 139	A	0 040	
02	SA 105			02	SA 105		
01	LOOP CS Φ 21.3 x 4.78 ; L = 700	3-80-999-99256		15 983 416	A	1 370	
02	CONDENSING LOOP ASSY. - CS	3-80-999-99256		SA 106 GR.C			
01	UNION NUT M 20x1.5 - AS. R.H.	3-80-999-99253		-			
01	SA 182 F22 CL3			15 939 316	A	0 040	
03	TAIL PIPE - AS	4-80-999-99172		01 SA 182 F22 CL3		1	
02	REDUCER - AS NB 15 / NB 10	3-80-999-99254		15 939 341	A	0 020	
02	SA 182 F22 CL3			01 SA 182 F22 CL3		1	
01	LOOP - AS Φ 21.3 x 4.78 ; L = 700	3-80-999-99256		15 091 001	A	1 370	
01	CONDENSING LOOP ASSY. - AS	3-80-999-99256		01 SA 335 P 22		1	

STANDARD
PRESSURE GAUGE CONNECTING LOOPS

TYPE OF PRODUCT OR NAME OF CUSTOMER/ PROJECT	Bharat Heavy Electricals Ltd., BOILER PLANT UNIT TIRUCHIRAPALLI 620 014	DRN. D. HARI KRISHNAN	NAME	SIGN	DATE	NO. OF VAR.
		CHD. R. ANANTH				
		APPD. M. PAUL ROOBAPP				

REV.	DATE	ALTD. FOR	REV.	DATE	ALTERED
02	30/03/2001	APPD. M. PAUL ROOBAPP	01	29/11/93	APPROVED R. Ananth
					RELEASER R. Ananth

FOR ALLOY STEEL ASSY (VAR NO. 01- AS) MATL SPECN OF ITEM NO. 02, 03, 04 ALTERED FROM "SA182F22" TO "SA182F22CL3". LENGTH ITEM NO. 02 (REDUCER NB15/NB10) CHANGED FROM 32 TO 40. HENCE DIM. 160 CHANGED TO 169.

GRADE OF UNTOL. DIM. C/M/F	SCALE N. T. S.	WEIGHT (KG) REF. UNIT WEIGHT.	REF. TO ASSY/ OLD DRG.	ITEM NO.

TITLE: CONDENSING LOOP ASSY.
FOR HORIZONTAL STEAM LINES ONLY.

REV. 3 - 80 - 999 - 99256 02

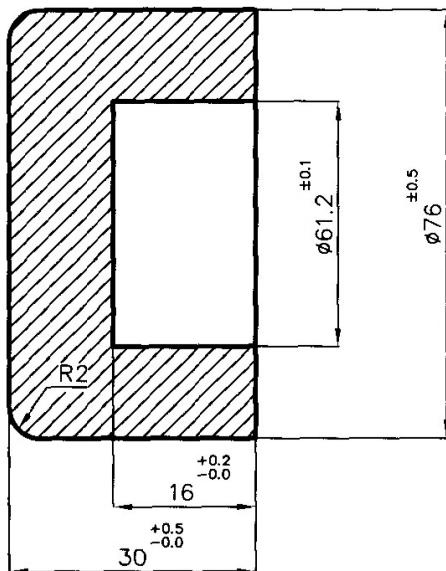
REV	DATE	ALTERED
		APPROVED

ALL DIMENSIONS ARE IN MILLIMETRES

NOTES :

Design Pressure = 54 Kg/cm²(g)
Design Temperature = 360°C

12.5



	ROD Ø80 x 30	15 339 144 0000	A	0 700
		SA 105		
VAR NO.	DESCRIPTION	STD	UNIT	UNIT.WT.(Kg)
			AC	QTY.
			DI	

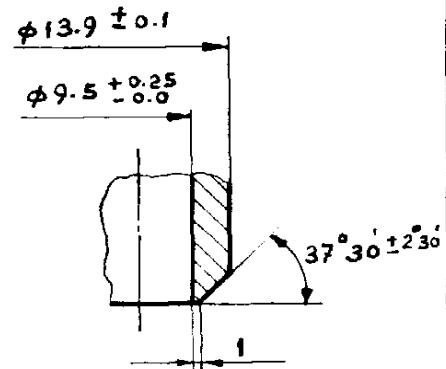
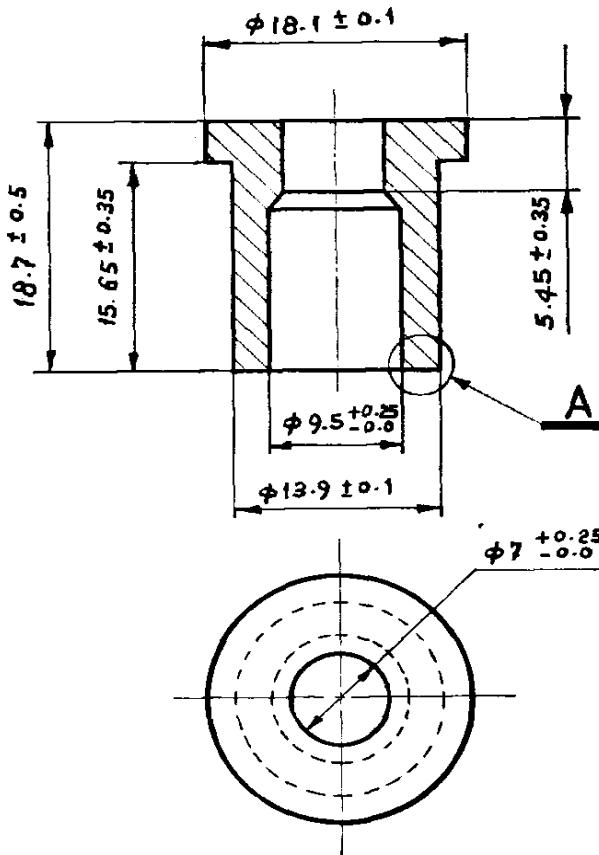
	BHARAT HEAVY ELECTRICALS LIMITED			NAME	SIGN	DATE	NO. OF VAR
	PIPING CENTRE			R.SENDHIL	R. Sendhul	08.01.04	
	CHENNAI 600 017			CHD	M.MANO	U Manu	08.01.04
DEPT	GRADE OF UNTOL DIM	SCALE	WEIGHT (KG.)	APPD	A.VELAYUTHAM	St. - - - - -	08.01.04
CODE	C / M / F	N.T.S	0.700				
TITLE	SW END CAP NB50 CL 3000			CARD CODE	DRAWING NO.		REV
				U 01	4-80-453-58056		00

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

REV 01	DATE	ALTERED CHECKED	REV 02	DATE	ALTERED CHECKED

12.5

CAUTION: THIS INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DEDIMENTAL TO THE INTEREST OF THE COMPANY.



DETAIL - A

STANDARD

02	TAIL PIPE - CS	15 939 139 SA 105	A	0 020	
01	TAIL PIPE - AS	15 939 341 SA 182 F22	A	0 020	
VARIANT No.	DESCRIPTION	STD	MATL CODE	A	UNIT WT
			MATL SPEC	C	UNIT
					QTY



BHARAT HEAVY ELECTRICALS LTD.
BOILER PLANT UNIT
TIRUCHIRAPALLI-620 014.

DRN. D. HARI KRISHNAN SIGN DATE 26.07.89.
CHQ. R. ANANTH SIGN
APPD. M. PAUL ROOPANATH SIGN 9/8/89

DEPT.	GRADE OF UNTOL DIM	SCALE	WEIGHT (Kg)	REF TO ASSY/OLD DRG	ITEM NO.
CODE	C/M/F	N.T.S.	REF. UNIT WEIGHT		REV.
TITLE			CARD CODE U 01	DRAWING NO. 4 - 80 - 999 - 99172	00

TAIL PIPE