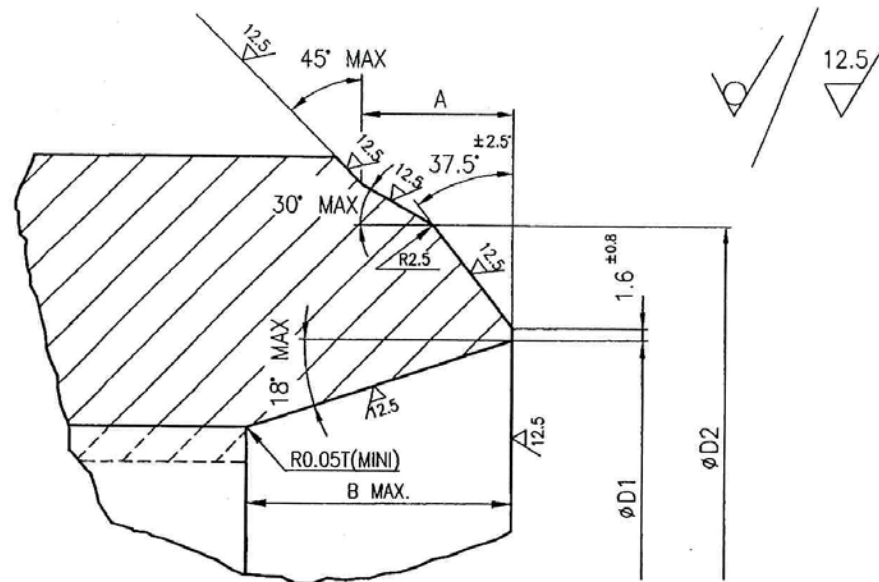




Sketch No. CAS - V - II - IVP - 110 CNC HB

Dimensions : $\varnothing D1 = 584 (\pm 1.6)$; $\varnothing D2 = 619 (+4.0, -0.8)$; A = 19 ; B (Max) = 25

The Edge Preparation at the time of prove-out may vary.

WELD EDGE PREPARATION - 24" / 150 # GV .



1. APPLICABLE LATEST QUALITY PROCEDURE SHALL BE FOLLOWED IN ALL RESPECTS.

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.

REV	DATE	ALTERED BY
01	6-1-01	CHD & APPDRLK/H-e-lar

ZONE

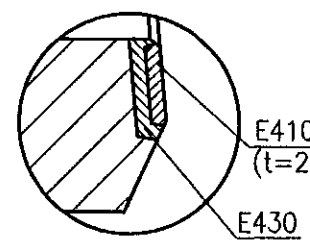
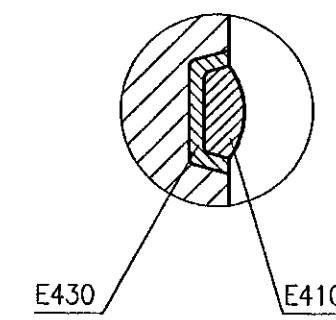
ELECTRODE NO. GIVEN.

LAPPING M/C SYMBOL
GIVEN.

DCN:QN:0704.

CORPORATE DRG ID
TP-DG-2-V-Z021-17269

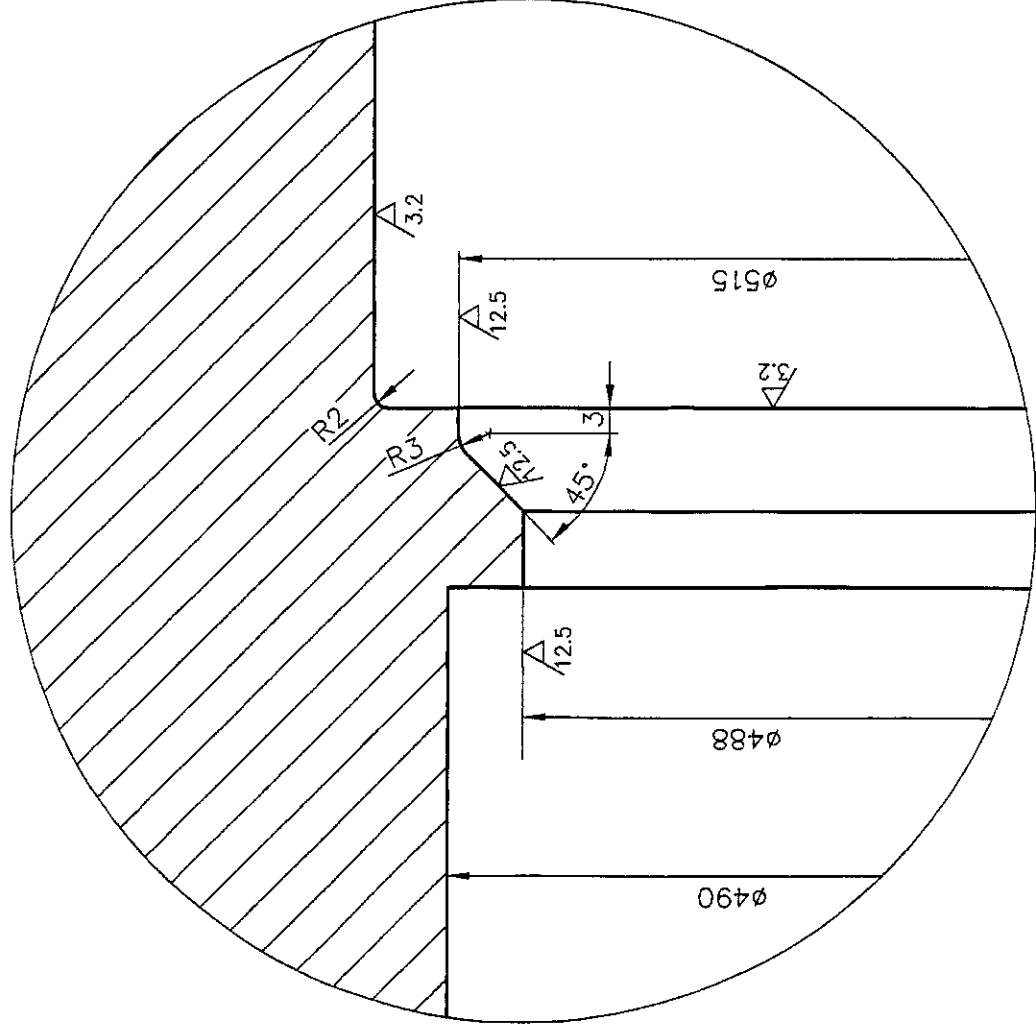
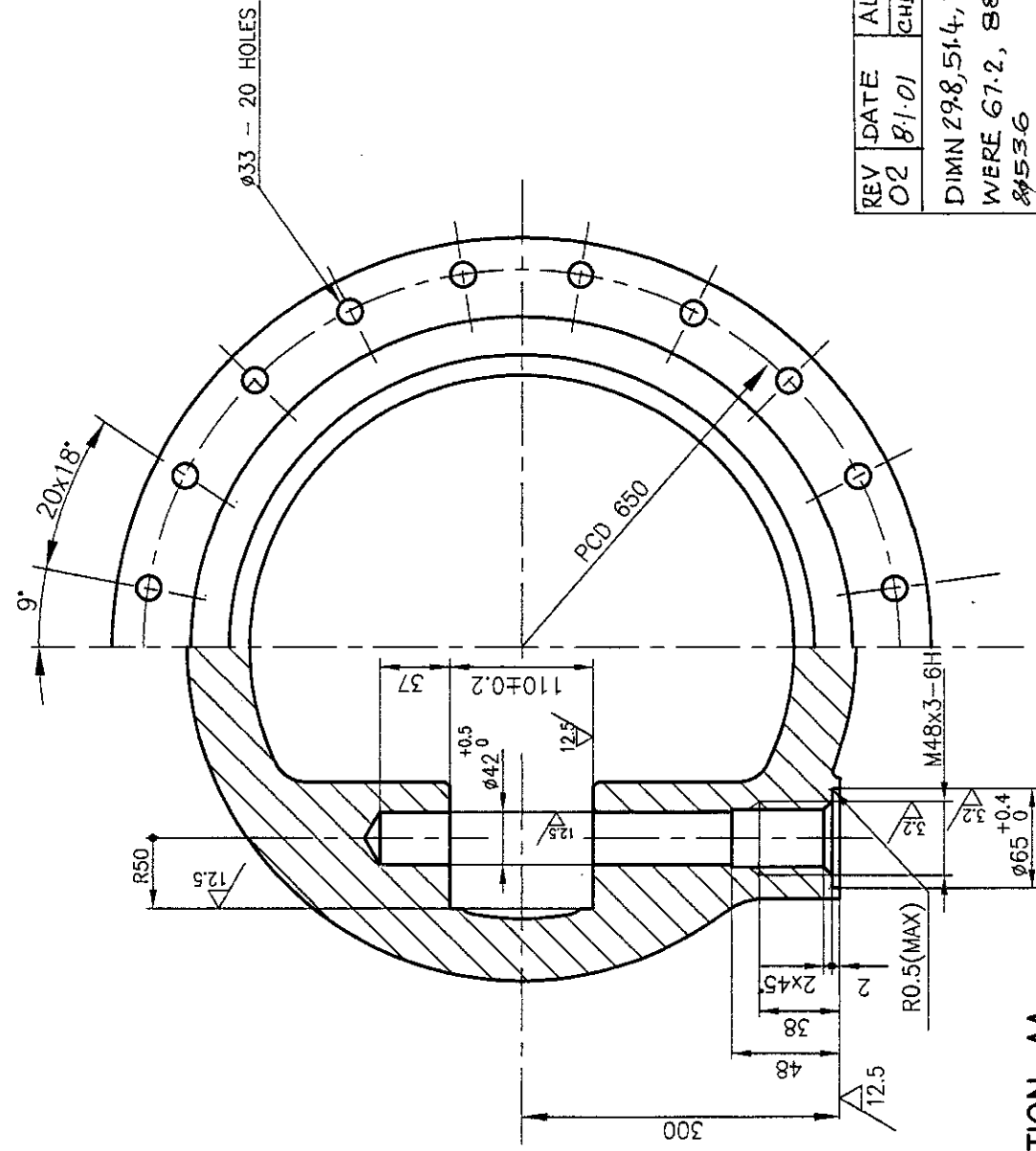
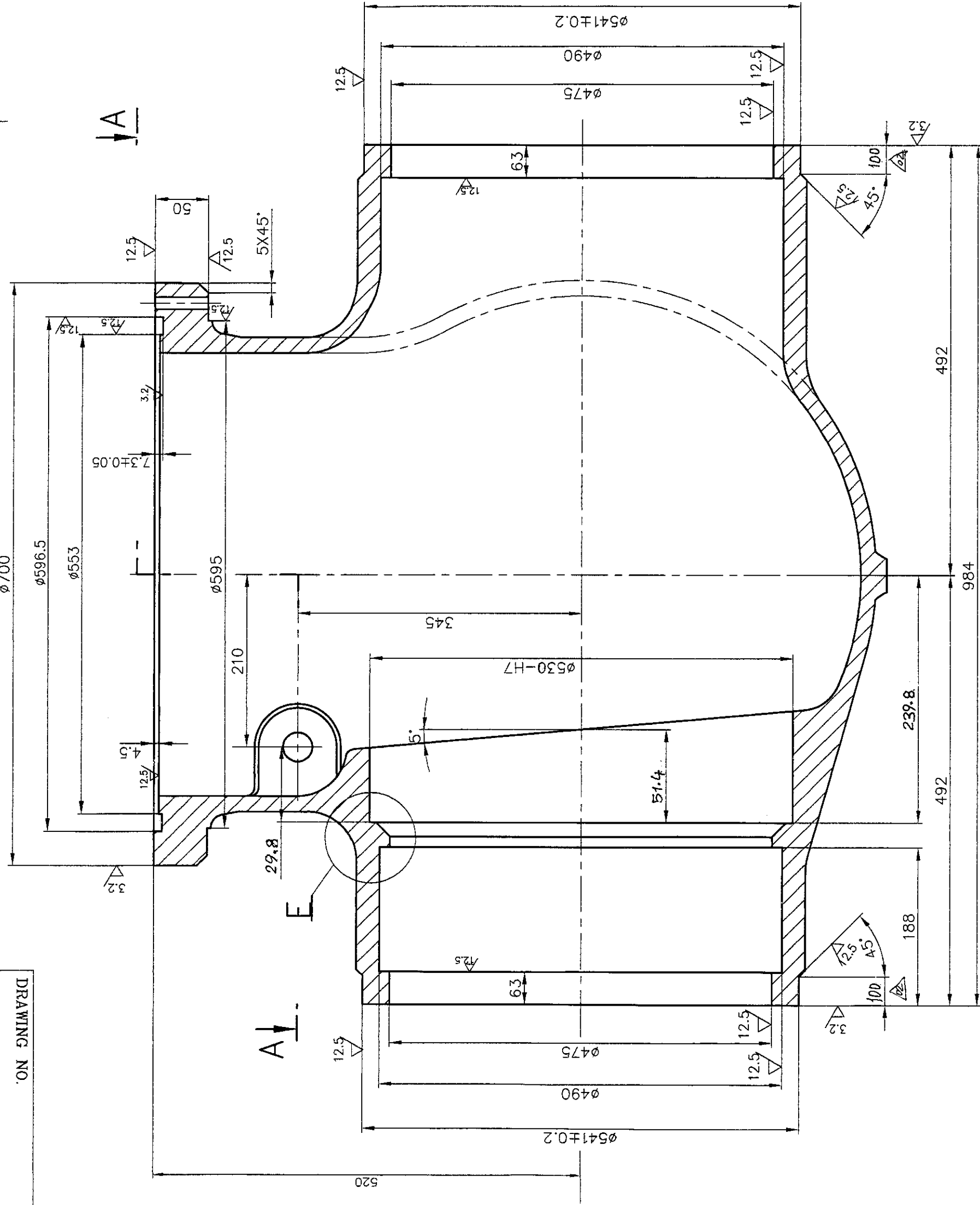
2


$$\frac{12.5}{\nabla} \bigg/ \frac{3.2}{\nabla}, \frac{0.4}{\nabla}$$


1. LAPPING TO BE DONE AFTER WELDING SEAT WITH BODY.
2. APPLICABLE LATEST QUALITY PROCEDURE SHALL BE FOLLOWED IN ALL RESPECTS.
3. SEAT HARDNESS 350 TO 400 BHN

CARD CODE	DRAWING NO.	REV
U 01	3-V-Z021-22678	01

Size A3



DETAIL-E

NOTES: –

1. APPLICABLE LATEST QUALITY PROCEDURE SHALL BE FOLLOWED IN ALL RESPECTS.

COMPONENT CODE: 931177468000

No OFF		DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT										
		BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPPALLI-620014.								
365-120		DEPT	SCALE	WEIGHT (KG).		APPD	NAME	SIGN	DATE	NO OF VAR.
			N/T S	---		CHD	MPS	mpe		
CODE 320						PRK				
TITLE						SCS	REFERENCE INFORMATION			
BODY ROUGH						DRAWING NO.				REV
20"/150C NRV						2-V-Z021-17270				02

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.

REV	DATE	ALTD:	MPS	DATE	REV	DATE	ALTERED MPS
02	81-01	CHG&RPPD:	11-17-71	01	129-2000	CHD & APPD-PE: M	0-250
DINN 298, 514.4, 239.8, 100.85 320							
WERE 67.2, 88.8, 277.2 & 65							
84536							
93 COMPONENT CODE							
93117 7468000 WAS 93117464000							
DCN: QN: 0703							
DCN: QN: 0690							

SECTION-AA

PROVE-OUT MACHINING NOTES FOR DRG. No. 1 – V – 6504 – 14089

Machining prove-out on sides 1 & 2 only.

Machining on side 1

- 1.ID machining $\varnothing 73$ (-0.0 , + 0.2)
2. ID machining View C
- 3.ID machining $\varnothing 85$ H7
4. ID machining View E
5. OD turning $\varnothing 145$ e8 to a length of ~ 225
6. OD machining View D
7. External “ACME THREAD K No. 132” excluded from prove-out – Thread boss to be machined to OD 132.
8. Bolt holes drilling & tapping 16 X M16-6H on PCD 240
9. Flange facing and chamfering 2 X 45 deg. (ref drg. No. 3 V 6504 03541)

Machining on side 2

1. ID machining $\varnothing 315$ (+0.1, + 0.2)
2. ID machining $\varnothing 292$ H7
3. ID machining View A
4. ID machining $\varnothing 290$ H7
5. ID machining View B at a depth of ~ 607.2
6. ID machining $\varnothing 210$ H7 merging with R10
7. OD turning to length of ~ 45 mm & facing flange $\varnothing 435$
8. 16 X M30 – 6H on PCD 370
9. 4 X M12 on PCD 370

LIST OF DRAWINGS ATTACHED FOR PROVE OUT**FOR TIRUCHY - (TENDER SL.NO. 10)**

Sl. No.	Drawing No.	Description
1	1 V 4745 03360	Body Tubing Spool
2	1 V 6504 14089	ARS 140 – Body Assy. Final M/Cing.
3	1 V 6504 14090	ARS 140 – Body Assy. Welding
4	3 V 6504 03541	ARS 140 – Flange
5	2 V 0000 17517	24” – 600 - CRHNRV Assy.
6	2 V 0000 17518	24” – 600 – CRHNRV BODY Assy
7	4 V L753 20368	24” – 600 – Edge Preparation

FOR IVP GOINDWAL - (TENDER SL.NO. 20)

Sl. No.	Drawing No.	Description
1	3 V N805 23440	24”-150 –GV – Body Assy.
2	3 V N361 17206	24”-150 –GV – Seat Ring Assy.
3	1 V 805 05160	24”-150 –GV – Body
4	1 V N805 05158R	24”-150 –GV – Body
5	2 V 920 08145	24”-150 –GV – Gate Valve Assy
6	CAS – V-II-IVP-110 CNC HB	24”-150 –GV – Weld Edge Preparation
7	2 V Z021 17269	20”-150-FV- Body Assy
8	3 V Z021 22678	20”-150-FV- Seat
9	2 V Z021 17270	20”-150-FV- Body Rough
10	2 V Z021 17266R	Body