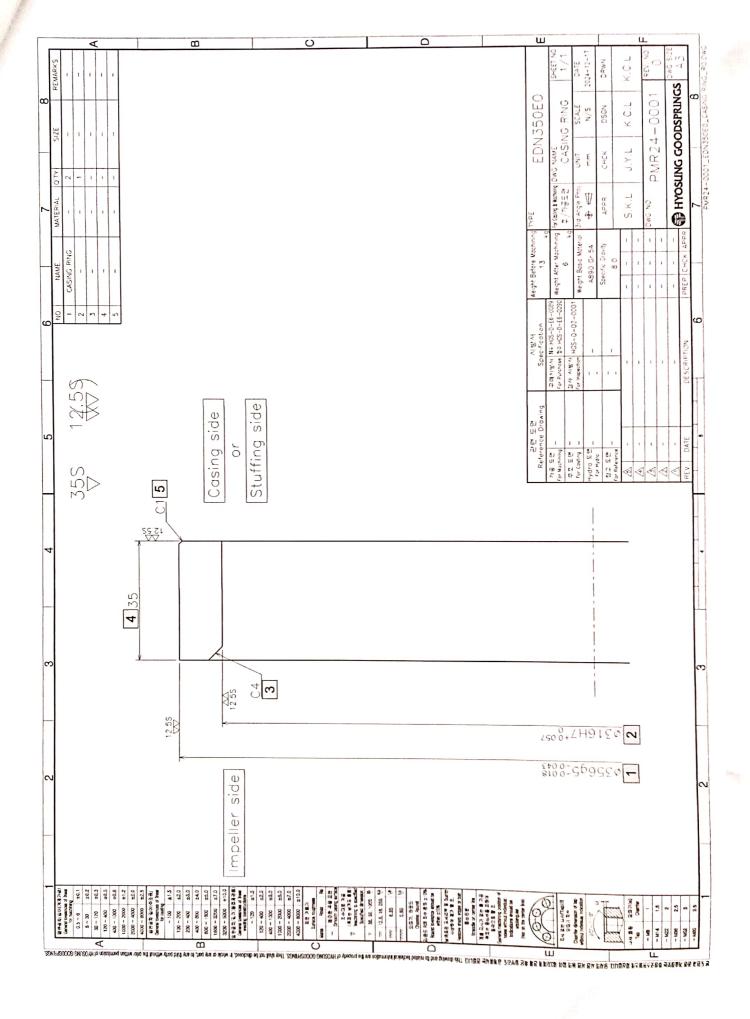
		INE	DEX		
CUSTOMER	:	НС		C	YT
COMPONENT		- 1 D1 5DA125050		06	NOS
com onzio			NT DETAILS :		
PROJECT	PO.NO & SR.NO		DRAWING.N	О	QTY
2451440-019	E	02025010017-1	PMR24-0002	1	04 NOS
2451440-020		02025010017-2	PMR24-0002	1	02 NOS
2132110 020					
					2405 110
SR.NO		DISCRIPTION	DOCUMENT N	10.	PAGE.NO
1		DRAWING.NO	PMR24-0002	1	1
2		TC. REPORT	1621		2
3		HT. REPORT	TSA2024-25/2	33	3
4	HEAT	TREATMENT GRAPH	-		4
5		MENSION REPORT	-		5
6	VISUAL	. INSPECTION REPORT	-		6



# AN ISO 9001:2015 UNIT

# M/s.Tej Steel & Alloys

Plot No.27/28 Dr.Patangrao Industrial Estate, Palus - 416310. Ph.No.(02346) 226606, Cell No.9890469686/9226873964

E-Mail: tejsteclalloys@yahoo.com

# TEST CERTIFICATE FOR CASTING

3.1 AS PER EN 10204 Customer Name: - Brothers Industries

T.C.No. 1621

Date 26.02.2025

Invoice No.

Date

Grade Name: ASTM-A-890/A890M CE3MN TYPE 5A

P.O.No & Date : -

Heat Treatment: - LSOLUTION ANNEALING AT 1150° C AND SOAKING FOR 3 HRS. & WATER QUENCH

### Melting Process: Induction (Electric) Furnace Melting Chemical Analysis HEAT NO C % Si % | Mn % 5 % NI: 0/ Cr % Mo % N10/ MIN 6.000 24.000 4.000 0.100 Max. 0.030 1.000 1.500 0.040 0.040 8.000 26.000 5.000 0.300 L1790 0.028 0.540 1.010 0.005 0.036 6.280 24.310 4.120 0.190 Mechanical Analysis Y.S.(0.2 Rend Tes Charny 'V' Notch Impact Test at deg 46C Joul % Share

HEAT NO	/0		Llong	79 Ken	Trandites	Their ies	Cliamba A Moleu it	npact les	i ai deg	40C10III	% Snare
FIEAT NO	Offset)	T.S.Mpa	G.L=5	In	HBW/	D-90/120	Spec.Size 10 x	10 x 55	nım	AVG	Area
	Mpa		Omm	Area	HRC	D=3t	( Min.J	IND.)		J	
MIN	515	690	18								
Max.						-					
L1790	572.26	782.42	25								
				1							
	1										
Sr.No		•		Parti	culars			Qty		Heat 1	No
1	CASING	RING PMF	24-000	1				6		L179	0
							-				

WE HEREBY CERTIFY THAT THE MATERIAL WAS MANUFA-CTURED SAMPLED, TESTED & INSPECTED IN ACCORDANCE WITH THE MATERIAL SPECIFICATION TOUND TO BE MEET THE REQUIRMENT OF -ASTM-A-890/A890M CEIMN TYPE 5A 1. Visual Inspection As Per MSS SP-55, Found Satisfactory

Chandrakant pawar Checked By

Anil Bagali Q.C.Dept.

TSA/QA/F/11



# Tej Steel & Alloys Plot No.28, Dr. Patangrao Kadam Ind. Estate, Palus

**Heat Treatment Register** 

Batch No.TSA2024-25/233 Date -02.02.2025 Furnace On Time - 19:16 Furnace Off Time - 09:20 Soaking Time - 3 Hrs

Grade - As Under

Process Solution Annealing at 1150° C Soaking 3 Hrs & Water Quench

Temperature 1150°C

1	Customoss	Descriptions	Qty	Weight	Heat No.	Grade
S.No	Customers	GLAND PLATE SAPP 150/320L	2	36.00	L1785	4A
1	Sintech Precision Products Ltd		2	32.60	1785	4A
2	Sintech Precision Products Ltd	IMPELLER SAPP 150/320L		18.60	L1785	4A
3	Sintech Precision Products Ltd	GLAND HSG BUSH SVT 450/50GS	3		L1785	4A
4	Sintech Precision Products Ltd	WEAR RING SVT 450-50GS	1	22.80		1B
5	OM Engineering	NECK RING	. 4	102.20	L1789	
6	OM Engineering	WEAR RING	4	80.00	L1789	1B
7	OM Engineering	STUFFING BOX	2	104.00	L1789	18
<u> </u>		GLAND	12	36.00	L1789-	1B
8	OM Engineering	CASING RING PMR24-0001	6	75.60	L1790	SA
9	Brothers Industries	CASING KING PIVIK24-0001	-			
		Test Block L1785	2	10.00		4A
		Test Block L1789	2	10.00		18
-		Test Block L1790	2	10.00		5A
-						
					-	
		TOTAL	42	537.8		
				-	-	İ
-						
				T- C 3	anan In It	7.1

TSA/PROD/R/01

Production Incharge



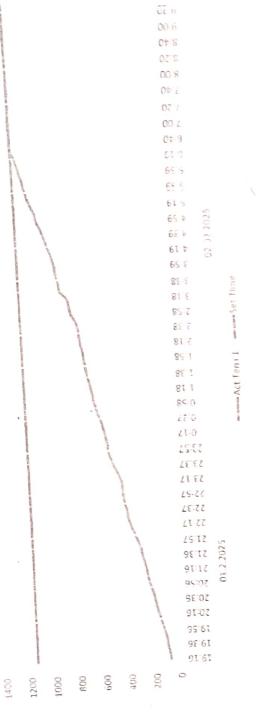
Q.A.Manager

# TEJ STEEL & ALLOYS

ELECTRICAL HEAT TREATMENT Note:- Certificate the graph confirm the Specification

Batch No.T'SA2024-25/233

Date -02.0 2.2025







Approved by

				BROTH	BROTHERS INDUSTRIES	USTRE	ES			н — н	
				FINA	FINAL INSPECTION REPORT	REPORT					
		CUSTOMER:			HGS			PO. NO. :	J.:	E02025010017	017
		COMPONENT NAME:	AME:		Casing Ring.EDN350E0	DN350E0		QTY.:		04 NOS	
		M/C DRG. NO / REV. :	3EV.:		PMR24-0001	1001		OFFER QTY :	۲:	04 NOS	
		GRADE:			A890 Gr.5A	.5A		REWORK QTY :	QTY :	00	
		DATE:			06/03/2025	025		ACCEPTED QTY :	QTY :	04 NOS	
		HEAT NO :	1		11790	11790	11790	11790	11790	11790	
		PROJECT NO :	!		2451440-019	2451440-019	2451440-019	2451440-019	2451440-020	2451440-020	
		PO.SR.NO.:	!		1	1	1	1	7	7	
					1	2	3	4	5	9	
	SR.NO.	DESCRIPTION	REQUIRED DIMENSIONS	TOLERANCE		OBSER	VED VALUES AS	PER AVERAGE	OBSERVED VALUES AS PER AVERAGE CALCULATION		
	-	QO	356 g6	-0.018/-0.043	355.968	355.965	355,946 •	355.976	355.975	355.951 •	
	7	ū	316 H7	+0.057	316.070	316.051	316.051	316.063	316.032	316.065	
	m	CHAMFER	C 4		OK	OK	OK	ОК	ОК	OK	
	4	TOTAL	35		34.98/35.03	35.02/35.05	35.03/35.06	35.01/35.04	35.02/35.04	35.02/35.04	
	2	CHAMFER	C1		ОК	OK	ОК	ОК	)OK	ЖО	
			DEPT.	DEPT. НЕАD				) P B	PAC BRETHERS ON	RS QA COM	(Met )
(a) SK NO: (a)	7 K (O)	Corditionally AC	@ SKNO. @ L. O. Conditionally Accepted for aD @ SKNO. O. Conditional Accepted for TD	REVIE 2025 Sang HYC	REVIEWEDI-JWITNESSEDICH- 2025 .02 .0.6. Sangram Alsandkar HYOSUNG		4		RIES SAIN		