



TEST REPORT

Report No. 12619

REGISTERED POST

Shri Sandeep Gupta  
General Manager (Sales)  
Jai Raj Ispat Limited  
Plot No. 8, Phase-III, I.D.A.,  
Jeeditmetla, Hyderabad,  
Telangana, India - 500 055  
Mobile: +919123391632

No. CED/STR/PKG- 04/2025-26/3122

Date: 9 May 2025

Subject: Testing of Steel Bars

Reference: Email (sandeep.gupta@jairajispat.com), Dated: 03/04/2025

Material Received on: 15/04/2025

1. Testing of Steel Bars as per IS: 1786 & IS: 1599

Sample Identification: JAI RAJ ATOOT 550D						
Sr. No.	Parameters	Diameter of Rebar				IS: 1786: 2008 Recommendations
		10 mm	12 mm	16 mm	25 mm	
(i)	Average Yield Stress (N/mm <sup>2</sup> )	568.9	654.1	614.4	585.1	Minimum 550 N/mm <sup>2</sup>
(ii)	Average Ultimate Tensile Stress (N/mm <sup>2</sup> )	647.3	739.0	712.1	693.2	>600 N/mm <sup>2</sup>
(iii)	Average Percentage (%) Elongation	19.3	21.1	20.9	21.8	Minimum 14.5 %
(iv)	Bend Test	Pass	Pass	Pass	Pass	-----

  
(Vikash Gupta)  
Technical Officer-1(SS)

  
(P.K. Gupta)  
Professor

**TEST REPORT**

Date: 28.05.2025

Test Ref. No. :- LT01-PMME/25/06  
(Letter Ref. No. email, Dated: 11.04.2025)  
Name and address of the Client :- M/s Jai Raj Ispat Ltd.  
Orvakal Mega Industrial Hub  
Guttapadu, Kurnool, Andhra Pradesh  
No. of Samples / Details :- 05 Nos. TMT bars.  
(Brand: JAIRAJ ATOOT – Fe-550D )  
Date of test fees received :- 20.5.2025  
Standard / Method of Analysis :- As per IS:1786:2008

Make: JAIRAJ ATOOT		Chemical Analysis data in Wt%				
	Sample-1 (10 mm Dia)	Sample-2 (12 mm Dia)	Sample-3 (16 mm Dia)	Sample-4 (20 mm Dia)	Sample-5 (25 mm Dia)	Max. Permissible % as per IS:1786-2008 for Fe-550 D
C	0.21	0.22	0.22	0.23	0.21	0.25
S	0.024	0.023	0.021	0.017	0.018	0.040
P	0.017	0.016	0.018	0.009	0.019	0.040
S&P	0.041	0.039	0.039	0.026	0.037	0.075


Make: JAIRAJ ATOOT		Mechanical Test Data		
Sl.	Sample Details	0.2% Y.S (MPa)	U.T.S (Mpa)	% of EL
1.	10 mm Dia	578	674	19%
2.	12 mm Dia	581	723	18.5%
3.	16 mm Dia.	644	751	20%
4.	20 mm Dia.	672	765	19%
5.	25 mm Dia.	685	796	17.6%

- TS/YS ratio,  $N/mm^2 \geq 1.08$ , but TS not less than  $600 N/mm^2$  for Fe 550D as per IS: 1786: 2008 or may be specified by customer.

**Bend & Re-bend Test:** The bend & re-bend test conducted for samples of diameter 10mm,12mm, 16mm, 20mm & 25mm of JAIRAJ ATOOT Fe-550D as per IS: 1599 and found satisfactory without any rupture or cracks visible on the bent & re-bent portion.

Remark : The above Test Report is only refers to the nature of samples supplied.

  
Signature of Analyst  
**Tapas Kumar Sahoo**  
Senior Technical Officer  
CSIR-Institute of Minerals &  
Materials Technology  
Bhubaneswar-751013

  
Signature  
Pr. Scientist/PI  
**SCIENTIST**  
CSIR Institute of Minerals &  
Materials Technology  
Under Dept. Ministry of Science  
& Technology, Govt. of India  
Bhubaneswar-751013, Odisha, India

N.B.:- The samples are not drawn to the institute. Liability if any arising in connection with the testing shall be subject to ceiling of amount received by the institute. The samples are disposed off after analysis.



**TEST REPORT**

Test order / Report No. BVIPL / STEEL : HL/2462/2/2025/1  
 Date of Receipt : 24-02-2025

Date : 25-02-2025  
 Page : 1  
 ULR-TC627625000001527F

**JAI RAJ ISPAT LIMITED**

SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,  
 GUTTAPADU VILLAGE, ORVAKAL MANDAL, KURNOL DISTRICT,  
 Kurnool, Andhra Pradesh, 518010

**MECHANICAL TESTING**  
 Building, Infrastructure &  
 Construction Materials

**TEST REPORT ON REINFORCING STEEL**

Source of sample : Sample supplied by the customer  
 No of Samples Tested : 12 (Tweleve)  
 Customer's Reference : Letter Dated: 24-02-2025  
 Sample Collection No : 2505643  
 Material Received On : 24-02-2025  
 Date of Test : 25-02-2025  
 Condition of Samples : Satisfactory  
 Test Method : IS: 1608-(Part 1): 2022; IS: 1599-2023 & 1786-2008 (RA 2018)

**PHYSICAL PROPERTIES :**

Sl.No	UIN	Identification#	Nominal Dia# (mm)	Mass (Wt.) (kg/m)	0.2% Proof Stress / Yield Stress (N/mm <sup>2</sup> )	U T S (N/mm <sup>2</sup> )	Elongation (%)	Bend Test	Rebend Test
1	25008946	JAIRAJ ATOOT; FE-550D	10	0.605	625	725	16.2	Passes	Passes
2	25008946	JAIRAJ ATOOT; FE-550D	12	0.882	631	715	23.7	Passes	Passes
3	25008946	JAIRAJ ATOOT; FE-550D	16	1.561	605	713	19.3	Passes	Passes
4	25008946	JAIRAJ ATOOT; FE-550D	25	3.855	604	723	22.0	Passes	Passes

**Requirements as per IS : 1786 - 2008**

Dia (mm)	Mass (wt.) (Kg/m) (Min.)	Dia (mm)	Mass (wt.) (Kg/m) (Min.)	Grade	0.2% Proof Stress (N/mm <sup>2</sup> ) (Min.)	U T S (N/mm <sup>2</sup> ) (Min.)	Elongation (%) (Min.)
8	0.363	20	2.366	Fe - 500D	500	TS/YS ratio N/mm <sup>2</sup> , ≥ 1.10 (but TS not less than 565 N/mm <sup>2</sup> )	16.0
10	0.567	25	3.697	Fe - 550	550	TS/YS ratio N/mm <sup>2</sup> , ≥ 1.06 (but TS not less than 585 N/mm <sup>2</sup> )	10.0
12	0.834	28	4.638	Fe - 550D	550	TS/YS ratio N/mm <sup>2</sup> , ≥ 1.08 (but TS not less than 600 N/mm <sup>2</sup> )	14.5
16	1.483	32	6.058				

# As furnished by the customer

**Remarks: The tested samples conforms to IS: 1786-2008 (RA 2018) requirements for Fe-550D Grade with respect to Mechanical tests conducted.**

- Note :**
1. The Results relate only to the samples tested
  2. Report shall not be reproduced, except in full, without the written approval of the lab.
  3. Any correction invalidates this report.

**for BUREAU VERITAS (INDIA) PRIVATE LIMITED**  
**Construction Services Laboratory**

*25/02/2025*  
**MVSS CHAITANYA**  
**MANAGER - LAB**

**TEST REPORT**

Test Order/Report No. BVIPL: STEEL: HL/2462/2/2025/1  
 Date of Receipt: 24-02-2025

Date: 25-02-2025  
 Page 01 of 01

**JAI RAJ ISPAT LIMITED**

SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,  
 GUTTAPADU VILLAGE, ORVAKAL MANDAL, KURNOL DISTRICT,  
 Kurnool, Andhra Pradesh, 518010

**TEST REPORT ON REINFORCING STEEL**

Source of samples for testing : Samples supplied by the customer  
 No. of samples tested : 04 (Four)  
 Customer's reference : Letter Dated: 24-02-2025  
 Sample collection no : 2505643  
 Material received on : 24-02-2025  
 Date of Test# : 25-02-2025  
 Condition of samples : Satisfactory  
 Test method : IS: 1608-(Part 1): 2022 & 1786-2008 (RA 2018)

**PHYSICAL PROPERTIES:**

Sl. No	UIN	Sample Identification#	Nominal Dia# (mm)	Total Elongation (%)
1	25008946	JAIRAJ ATOOT; FE-550D	10	6
2	25008946	JAIRAJ ATOOT; FE-550D	12	7
3	25008946	JAIRAJ ATOOT; FE-550D	16	6
4	25008946	JAIRAJ ATOOT; FE-550D	25	8

**Requirements as per IS: 1786 – 2008 (RA 2018)**

Dia (mm)	Mass (wt.) (kg/m) (Min.)	Dia (mm)	Mass (wt.) (kg/m) (Min.)	Grade	0.2% Proof Stress (N/mm <sup>2</sup> ) (Min.)	U.T.S (N/mm <sup>2</sup> ) (Min.)	Total Elongation (%) (Min.)
6	0.205	25	3.697	Fe-500	500	545 or 8% more than Actual Proof Stress whichever is higher	-
8	0.363	28	4.638	Fe-500D	500	565 or 10% more than Actual Proof Stress whichever is higher	5
10	0.567	32	6.058	Fe-550	550	585 or 6% more than Actual Proof Stress whichever is higher	-
12	0.834	36	7.67	Fe-550D	550	600 or 8% more than Actual Proof Stress whichever is higher	5
16	1.483	40	9.46				
20	2.366						

# As furnished by the customer

**Remarks: The tested samples conforms to IS: 1786-2008 (RA 2018) requirements for Fe-550D Grade with respect to Mechanical tests conducted.**

**Note:** 1. The results relate only to the items tested.  
 2. Report shall not be reproduced, except in full, without the written approval of the laboratory.  
 3. Any corrections invalidate this report.

For **BUREAU VERITAS (INDIA) PRIVATE LIMITED.,**  
 (Construction Services Laboratory)

*Handwritten signature and date: 25/02/2025*  
**SVSS CHAITANYA**  
**MANAGER - LAB**

This page of the report is not under NABL Accreditation  
**\*\*END OF THE REPORT\*\***





**TEST REPORT**

Test order / Report No. BVIPL : STEEL : HL/2462/2/2025/2  
 Date of Receipt : 24-02-2025

Date : 25-02-2025  
 Page : 1  
 ULR-TC62762500001548F

**JAI RAJ ISPAT LIMITED**

SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,  
 GUTTAPADU VILLAGE, ORVAKAL MANDAL, KURNOL DISTRICT,  
 Kurnool, Andhra Pradesh, 518010

**CHEMICAL TESTING**  
**Metals And Alloys**

**TEST REPORT ON REINFORCING STEEL**

Source of sample : Sample supplied by the customer  
 No of Samples Tested : 04 (Four)  
 Customer's Reference : Letter Dated: 24-02-2025  
 Sample Collection No : 2505643  
 Material Received On : 24-02-2025  
 Date of Test : 25-02-2025  
 Condition of Samples : Satisfactory  
 Test Method : IS: 8811-1998 (Reaffirmed 2018) BVIPL/LDM/CHEM/01 Clause 9 & 11 Issue:1 Rev:0 2023

**CHEMICAL COMPOSITION -**

Sl.No	UIN	Identification#	Nominal Dia# (mm)	Carbon (%)	Phosphorus (%)	Sulphur (%)	Sulphur + Phosphorus	CE (%)
1	25008946	JAIRAJ ATOOT; FE-550D	10	0.210	0.029	0.011	0.040	0.330
2	25008946	JAIRAJ ATOOT; FE-550D	12	0.220	0.024	0.011	0.035	0.340
3	25008946	JAIRAJ ATOOT; FE-550D	16	0.240	0.026	0.026	0.052	0.390
4	25008946	JAIRAJ ATOOT; FE-550D	25	0.230	0.032	0.013	0.045	0.360

**Requirements as per IS : 1786 - 2008 (% Max) (Including tolerance as per Clause 4.2.1)**

Grade	Fe - 500D	Fe - 550	Fe - 550D
Carbon (C)	0.270	0.320	0.270
Phosphorus (P)	0.045	0.060	0.045
Sulphur (S)	0.045	0.060	0.045
S & P	0.085	0.110	0.085
CE %	0.50	-	0.61

# As furnished by the customer

**Remarks: The tested samples conforms to IS: 1786-2008 (RA 2018) Chemical requirements for Fe-550D Grade with respect to tests conducted.**

- Note :**
- The Results relate only to the samples tested
  - Report shall not be reproduced, except in full, without the written approval of the lab.
  - Any correction invalidates this report.

**for BUREAU VERITAS (INDIA) PRIVATE LIMITED**  
**Construction Services Laboratory**

*Suresh*  
 25/02/2025

**V. SURESH**  
 Chemist - Lab





STPL

# STEDRANT TECHNOCLINIC PVT. LTD.

## (Construction Materials Testing Laboratory)

Office / Lab : Shed No. F-3/A, Street No. 10, IDA, Nacharam, Hyderabad - 500076

Mob : +91 9000085790, +91 9000095790, +91 9908875790, +91 9908065790

E-mail : labhyd@stedrant.com www.stedrant.com

CIN: U74999KA2017PTC100477 GST No.: 36AAYCS1231L1ZV



TC-7523

Job order/Report No. STEEL: STPL/HYD/448/02/2025-26

Job order Dated: 25-02-2025

Dated: 25-02-2025

ULR- TC752325000000644F

### M/s. JAIRAJ ISPAT LTD

Sy No. 274 Part and 181 Part, Orvakal Mega,  
Industrial Hub, Guttapadu Village, Orvakal Mandal,  
Kurnool District - 518 010.

### TEST REPORT ON REINFORCING STEEL

Source of the sample : Sample supplied by the customer  
 No. of samples tested : 12 (Twelve only)  
 Customer's reference : Lr No. Nil, Date: 24.02.2025  
 UIN : 2505791  
 Brand/Grade\* : JAI RAJ ATOOT/Fe550D  
 Material received on : 25.02.2025  
 Date of test : 25.02.2025  
 Condition of sample : Satisfactory

#### PHYSICAL PROPERTIES:

Sl. No.	Nominal Dia* (mm)	Weight/Meter (kg/m) IS: 1786-2008 (RA 2018)	0.2% Proof / Yield Stress(N/mm <sup>2</sup> ) IS 1608(Part-1):2022	U.T.S. (N/mm <sup>2</sup> ) IS 1608 (Part-1):2022	Elongation (%) IS 1608 (Part-1):2022	Total Elongation at Max. Force (%) IS 1608 (Part-1):2022	Bend Test IS:1599-2023	Re bend Test IS: 1786-2008 (RA 2018)
1	10	0.607	631	729	26.0	9.6	Satisfies	Satisfies
2	12	0.877	646	728	30.5	8.8	Satisfies	Satisfies
3	16	1.564	609	704	30.0	9.1	Satisfies	Satisfies
4	25	3.880	652	765	20.1	8.3	Satisfies	Satisfies

#### Requirements as per IS: 1786 - 2008 (RA 2018)

Dia (mm)	Mass (wt.) (kg/m) (Min.)	Dia (mm)	Mass (wt.) (kg/m) (Min.)	Grade	0.2% Proof Stress (N/mm <sup>2</sup> ) (Min.)	U.T.S (N/mm <sup>2</sup> ) (Min.)	Elongation (%) (Min.)	Total Elongation at Max. Force (%) (Min.)
8	0.363	20	2.366	Fe-500	500	545 or 8% more than actual 0.2% Proof Stress/Yield stress whichever is higher	12.0	Not Specified
10	0.567	25	3.697	Fe-550	550	585 or 6% more than actual 0.2% Proof Stress/Yield stress whichever is higher	10.0	Not Specified
12	0.834	28	4.638	Fe-500D	500	565 or 10% more than actual 0.2% Proof Stress/Yield stress whichever is higher	16.0	5.0
16	1.483	32	6.058	Fe-550D	550	600 or 8% more than actual 0.2% Proof Stress/Yield stress whichever is higher	14.5	5.0

\* As furnished by the customer

- Note:**
- The results relate only to the items tested.
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  - Any corrections invalidate this report.
  - Conformity Statement provided below is based on internal document No: STPL/HYD/MSP/02/27

Remarks: The tested sample conforms to IS: 1786-2008 requirements for Fe550D Grade with respect to tests conducted.

For STEDRANT TECHNOCLINIC PVT. LTD.

AUTHORISED BY

*25-02-2025*

**SOMA RAVI TEJA**  
TECHNICAL MANAGER  
STPL STEDRANT TECHNOCLINIC PVT.LTD.

\*\*\*\* END OF REPORT \*\*\*\*

(Soil and Material Testing, Designs, Restoration and Non Destructive Testing Services)

#### Corporate Office :

"Sunvak Pride" # 95, Model House Street, Basavanagudi,  
Bangalore - 560 004. Ph : 080 26629992

#### Bangalore Lab :

# 39/5, Govardhan Garden, J C Industrial Area, Yelechenahalli,  
off. Kanakapura Main Road, Bangalore - 560062. Ph.: 080 26860348



# STEDRANT TECHNOCLINIC PVT. LTD.

## (Construction Materials Testing Laboratory)

Office / Lab : Shed No. F-3/A, Street No. 10, IDA, Nacharam, Hyderabad - 500076  
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 E-mail : labhyd@stedrant.com www.stedrant.com  
 CIN: U74999KA2017PTC100477 GST No.: 36AAYCS1231L1ZV



Job order/Report No. STEEL: STPL/HYD/448/02/2025-26  
 Job order Dated: 25-02-2025

Dated: 25-02-2025  
 ULR- TC752325000000644F

**M/s. JAIRAJ ISPAT LTD**  
 Sy No. 274 Part and 181 Part, Orvakal Mega,  
 Industrial Hub, Guttapadu Village, Orvakal Mandal,  
 Kurnool District - 518 010.

### TEST REPORT ON REINFORCING STEEL

Source of the sample : Sample supplied by the customer  
 No. of samples tested : 04 (Four only)  
 Customer's reference : Lr No. Nil, Date: 24.02.2025  
 UIN : 2505791  
 Brand/Grade\* : JAI RAJ ATOOT/Fe550D  
 Material received on : 25.02.2025  
 Date of test : 25.02.2025  
 Condition of sample : Satisfactory

#### CHEMICAL PROPERTIES:

Sl. No.	Nominal Dia* (mm)	Carbon (%)	Sulphur (%)	Phosphorus (%)	Sulphur + Phosphorus	Test Method
1	10	0.227	0.012	0.023	0.035	IS: 8811-1998 (RA 2018)
2	12	0.204	0.015	0.017	0.032	
3	16	0.218	0.010	0.013	0.023	
4	25	0.209	0.010	0.022	0.032	

#### Requirements as per IS: 1786 - 2008 (RA 2018) (% Max) with Tolerance

Grade	Fe - 415	Fe - 500	Fe - 500D	Fe - 550	Fe - 550D	Fe - 600
Carbon (C)	0.320	0.320	0.270	0.320	0.270	0.320
Phosphorus (P)	0.065	0.060	0.045	0.060	0.045	0.045
Sulphur (S)	0.065	0.060	0.045	0.060	0.045	0.045
S & P	0.120	0.115	0.085	0.110	0.085	0.085

\* As furnished by the customer

- Note:**
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  2. Report shall not be reproduced, except in full, without the written approval of the laboratory.
  3. Any corrections invalidate this report.
  4. Conformity Statement provided below is based on internal document No: STPL/HYD/MSP/02/27

**Remarks:** The tested sample conforms to IS: 1786-2008 requirements for Fe-550D Grade with respect to tests conducted.

For STEDRANT TECHNOCLINIC PVT. LTD.

  
**SOMA RAVI TEJA**  
 TECHNICAL MANAGER  
 STPL STEDRANT TECHNOCLINIC PVT.LTD.  
 HYDERABAD

\*\*\*\* END OF REPORT \*\*\*\*

(Soil and Material Testing, Designs, Restoration and Non Destructive Testing Services)

**Corporate Office :**  
 "Sunvak Pride" # 95, Model House Street, Basavanagudi,  
 Bangalore - 560 004. Ph : 080 26629992

**Bangalore Lab :**  
 # 39/5, Govardhan Garden, J C Industrial Area, Yelechenahalli,  
 off. Kanakapura Main Road, Bangalore - 560062. Ph.: 080 26860348



भारत सरकार Government of India  
राष्ट्रीय परीक्षण शाला (द.क्षे.)  
National Test House (SR), Chennai  
तारामणी, चेन्नई, तमिलनाडु - 600113  
Tharamani, Chennai - 600113, Tamilnadu



TC-13137

ULR : TC1313725700001223F, TC1313725500001500F

NABL A. PARTICULARS OF SAMPLE SUBMITTED

COMPLETE TEST CERTIFICATE

भाग 'अ' जमा किये गये नमूने का विवरण

परीक्षण प्रमाणपत्र सं/Test Certificate No:  
NABL/NTH(SR)/M(L)/25/7020\_1

एस.आर.एफ. संख्या/SRF Number:  
NTH(SR)/M(L)/25/7020

जारी होने की तिथि/Date of issue  
25 Apr, 2025

कोड सं/QR Code  
: NTH250087592

a) जिसे जारी करना है/Issued To	:	JAI RAJ ISPAT LIMITED
b) पता/Address	:	Sy No 274 Orvakal Mega Industrial Hub, Orvakal Mandal Village Guttapadu, Andhra Pradesh -518010, KURNOOL, Kurnool, Andhra Pradesh, India - 518010
c) ग्राहक का संदर्भ सं एवं दिनांक/Customer's Ref. No.	:	JRIL/NTH/2024-25/670
d) नमूना मुहरबंद स्थिति/Sample Sealed Status	:	Not Sealed
e) परीक्षण सामग्री का विवरण/Description of Test item	:	Fe 550D TMT Rebars conforming to BIS 1786
f) नामपद्धति का विवरण/Description of Nomenclature	:	TMT Rebar of Nominal dia 10mm
g) नमूने की विशिष्टता (यदि हो)/Product Specification(if any)	:	IS 1786 (2008)
h) नमूना प्राप्ति की तिथि /Date of Receipt of the Test item	:	09 Apr, 2025
i) कार्य निष्पादन की तिथि/Date(s)of Performance of Tests	:	From: 19 Apr, 2025 To: 25 Apr, 2025
j) परिमाण/Quantity	:	3.0 No
k) कोई अन्य सूचना / अंतिम तिथि, यदि हो/Any other Information / Expiry Date, If any	:	Chemical & Mechanical Properties of Fe 550D TMT Rebars
l) अनुभाग कोड/Section Code	:	25CHFCF7N (Pages:3), 25MEF190N (Pages:4)_NABL
m) अनुभव प्रमाणपत्र संख्या/Section Certificate No.	:	25CHFCF7N_1, 25MEF190N_1_NABL
n) प्रमाणपत्र का प्रकार/Certificate Type	:	New
o) संदर्भ प्रमाणपत्र संख्या/Reference Certificate No.	:	
p) टिप्पणी/Remarks	:	Test Report Uploaded.

Signature Not Verified  
antu.cd@nth.gov.in-  
(SampleCell)

Antu C D  
OIC SAMPLE CELL  
Signed on: 25 Apr, 2025 13:55 PM

1. This Test / Calibration Certificate shall not be reproduced except in full, unless permission for the reproduction of an approved abstract has been obtained from the Director, National Test House (SR), Chennai. 2. This Test / Calibration Certificate relates only to the sample/ items submitted.

This is a Computer Generated Report.



भारत सरकार Government of India  
राष्ट्रीय परीक्षण शाला (द.क्षे.)  
National Test House (SR), Chennai  
तारामणी, चेन्नई, तमिलनाडु - 600113  
Tharamani, Chennai - 600113, Tamilnadu



TC-13137



ULR : TC1313725500001500F

Section Report No. : 25CHFCF7N\_1\_NABL

IS 1786 (2008)

NABL B. SUPPLEMENTARY INFORMATION

1.	नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो। Reference to sampling procedure, wherever applicable.	Not Applicable
2.	परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रसि हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो। Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any.	Not Applicable
3.	सम्बद्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो। Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any.	Not Applicable
4.	परीक्षण सामग्री की पहचान/identification of Test item	One sample stated as "TMT Rebar of Nominal dia 10mm"
5.	व्यावृत्त की प्राणाली की पहचान/Method(s) used for Test	On the lines of IS 8811
6.	नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant	-
7.	पर्यावरण की स्थिति/Environmental Conditions	-
8.	उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used	Optical Emission Spectrometer (OES)
9.	कैलिब्रेशन स्थल/Site of Calibration	-
10.	मापन का पता लगाने की क्षमता/Traceability of Measurement	-

**Veerapandian Sivanandham**  
**OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)**  
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 Tharamani, Chennai - 600113, Tamilnadu



TC-13137

ULR : TC1313725500001500F

Section Report No. : 25CHFCF7N\_1\_NABL

IS 1786 (2008)

NABL C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	4.2 (1)	Carbon Equivalent (CE), % by mass.	Chemical Composition, % by mass.	-	0.61	perce nt by mass.	0.37
2	4.2 (2)	Carbon, % by mass (As per ASTM E 415-21/ IS 8811: 1998).	Chemical Composition, % by mass.	-	0.25	perce nt by mass	0.22
3	4.2 (3)	Sulphur, % by mass (As per ASTM E 415-21/ IS 8811: 1998).	Chemical Composition, % by mass.	-	0.04	perce nt by mass	0.014
4	4.2 (4)	Phosphorus, % by mass (As per ASTM E 415-21/ IS 8811: 1998).	Chemical Composition, % by mass.	-	0.04	perce nt by mass	0.013
5	4.2 (5)	Sulphur+ Phosphorus, % by mass.	Chemical Composition, % by mass.	-	0.075	perce nt by mass	0.027

**SOUMIK DHAR**  
 Lab Sc. Testing/Calibration Chemical (General, Standard,  
 Metal, Oil Fuel)

**Veerapandian Sivanandham**  
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TC-13137

ULR : TC1313725500001500F

Section Report No. : 25CHFCF7N\_1\_NABL

IS 1786 (2008)

## Part D.

### REMARKS

In respect of tests carried out, the sample meets the chemical requirements of IS 1786: 2008 (RA 2018), read with amendment no.4, July2019 specification for High Strength Deformed Steel Bars and Wires for Concrete Reinforcement for Fe 550D grade.

### Notes

Disclaimer: Conformity statement is based on the limiting values of the product specification of the tested parameters without considering the Measurement Uncertainty.

**Veerapandian Sivanandham**  
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TC-13137

ULR : TC1313725700001223F

Section Report No. : 25MEF190N\_1\_NABL

IS 1786 (2008)

NABL B. SUPPLEMENTARY INFORMATION

- नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो।  
Reference to sampling procedure, wherever applicable. Not Applicable
- परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रसि हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो।  
Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any. Not Applicable
- सम्बद्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो।  
Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any. Not Applicable
- परीक्षण सामग्री की पहचान/identification of Test item Embossed on each sample of HSD Steel bar of nominal size 10mm as "JAIRAJ ATOOT 550D 10 ISI 664611".
- व्यावहृत की प्राणाली की पहचान/Method(s) used for Test IS 1786: 2008 (Reaffirmed 2018), Amendment No. 4, July 2019, IS 1608 (Part 1):2022 & IS 1599:2023.
- नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant NA
- पर्यावरण की स्थिति/Environmental Conditions Room Temperature 26.1°C
- उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used Universal Testing Machine, 1000kN.
- कैलिब्रेशन स्थल/Site of Calibration NA
- मापन का पता लगाने की क्षमता/Traceability of Measurement NA

**K P Elangovan**  
**OIC Testing/Calibration Mechanical (Testing/Calibration)**  
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TC-13137

ULR : TC1313725700001223F

Section Report No. : 25MEF190N\_1\_NABL

IS 1786 (2008)

NABL C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	9.2 (4)	Tensile Strength (up to 12 mm), N/mm <sup>2</sup> - IS 1608 (Part 1): 2022.	Tensile Test	600.0	-	N/mm <sup>2</sup>	708.2
2	9.2	Yield Stress/ 0.2 % Proof Stress. N/mm <sup>2</sup> -- IS 1608 (Part 1): 2022.	Mechanical Test	550.0	-	N/mm <sup>2</sup>	615.5
3	9.2 (1)	TS/ YS Ratio - (IS 1786: 2008/ IS 1608 (Part 1): 2022).	Tensile Test	1.08	-	-	1.15
4	9.2 (2)	Elongation Percent on gauge length of 5.65 Square Root of Crosss- Sectional Area, % - IS 1608 (Part 1): 2022.	Mechanical Test	14.5	-	%	22.8
5	7.2	Mass per metre run, kg/m - IS 1786: 2008	Mass per metre run	0.568	-	kg/m	0.586
6	9.3	Bend test - IS 1599: 2023.	Bend Test to 180 degree bend	-	-	-	Mandrel size selected 40 mm. Sample bended over the mandrel until the sides are parallel. Test result satisfactory. No rupture or crack on the bent portion observed.
7	9.2 (3)	Total Elongation at Maximum Force on gauge length of 5.65 Square Root of Crosss- Sectional Area, % - IS 1608 (Part 1): 2022.	Mechanical Test	5.0	-	%	10
8	9.4	Rebend test (0 - 28 mm) - IS 1786: 2008	Rebend test to 135 / 157.5 degree bend	-	-	-	Mandrel size selected 60 mm. Sample bended over the mandrel to an angle 135 degree. Bent piece kept in boiling water (100 degree C) for 30 minutes and cooled. Sample bent back to an angle 157.5 degree. Test result satisfactory. No rupture or crack on the rebent portion observed.

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**Annam Ashok**  
 Lab Sc. Testing/Calibration Mechanical (Testing/Calibration)

**K P Elangovan**  
 OIC Testing/Calibration Mechanical (Testing/Calibration)  
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TC-13137



ULR : TC1313725700001223F

Section Report No. : 25MEF190N\_1\_NABL

IS 1786 (2008)

## Part D.

### REMARKS

In respect of tests carried out, the sample meets the requirements of IS 1786: 2008 (Reaffirmed 2018), Amendment No. 4, July 2019 for Grade Fe 550D.

### Notes

Disclaimer : 1. The information / data provided by the customer is clearly identified in the Test Report. The laboratory is not responsible for the information / data provided by the customer. 2. Conformity statement is based on the limiting values of the product specification of the tested parameters without considering the Measurement Uncertainty.

**K P Elangovan**

**OIC Testing/Calibration Mechanical (Testing/Calibration)**

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TC-13137

ULR : TC1313725700001224F, TC1313725500001501F

NABL A. PARTICULARS OF SAMPLE SUBMITTED

COMPLETE TEST CERTIFICATE

भाग 'अ' जमा किये गये नमूने का विवरण

परीक्षण प्रमाणपत्र सं/Test Certificate No:  
NABL/NTH(SR)/M(L)/25/7018\_1

एस.आर.एफ. संख्या/SRF Number:  
NTH(SR)/M(L)/25/7018

जारी होने की तिथि/Date of issue  
25 Apr, 2025

कोड सं/QR Code  
: NTH250087619

a) जिसे जारी करना है/Issued To	:	JAI RAJ ISPAT LIMITED
b) पता/Address	:	Sy No 274 Orvakal Mega Industrial Hub, Orvakal Mandal Village Guttapadu., KURNOOL, Kurnool, Andhra Pradesh, India - 518010
c) ग्राहक का संदर्भ सं एवं दिनांक/Customer's Ref. No.	:	JRIL/NTH/2024-25/670
d) नमूना मुहरबंद स्थिति/Sample Sealed Status	:	Not Sealed
e) परीक्षण सामग्री का विवरण/Description of Test item	:	Fe 550D TMT Rebars conforming to BIS 1786
f) नामपद्धति का विवरण/Description of Nomenclature	:	TMT Rebar of Nominal dia 12mm
g) नमूने की विशिष्टता (यदि हो)/Product Specification(if any)	:	IS 1786 (2008)
h) नमूना प्राप्ति की तिथि /Date of Receipt of the Test item	:	09 Apr, 2025
i) कार्य निष्पादन की तिथि/Date(s)of Performance of Tests	:	From: 19 Apr, 2025 To: 25 Apr, 2025
j) परिमाण/Quantity	:	3.0 No
k) कोई अन्य सूचना / अंतिम तिथि, यदि हो/Any other Information / Expiry Date, If any	:	Chemical & Mechanical Properties of Fe 550D TMT Rebars
l) अनुभाग कोड/Section Code	:	25CH333EN (Pages:3), 25ME2E48N (Pages:4)_NABL
m) अनुभव प्रमाणपत्र संख्या/Section Certificate No.	:	25CH333EN_1, 25ME2E48N_1_NABL
n) प्रमाणपत्र का प्रकार/Certificate Type	:	New
o) संदर्भ प्रमाणपत्र संख्या/Reference Certificate No.	:	
p) टिप्पणी/Remarks	:	Test Report Uploaded.

Signature Not Verified

antu.cd@nth.gov.in-  
(Sample Cell)

Antu C D  
OIC SAMPLE CELL  
Signed on: 25 Apr, 2025 14:37 PM

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TC-13137



ULR : TC1313725500001501F

Section Report No. : 25CH333EN\_1\_NABL

IS 1786 (2008)

NABL B. SUPPLEMENTARY INFORMATION

1.	नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो। Reference to sampling procedure, wherever applicable.	Not Applicable
2.	परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रसि हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो। Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any.	Not Applicable
3.	सम्बद्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो। Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any.	Not Applicable
4.	परीक्षण सामग्री की पहचान/identification of Test item	One sample Stated as "TMT Rebar of Nominal dia 12mm"
5.	व्यावृत्त की प्राणाली की पहचान/Method(s) used for Test	On the lines of IS 8811
6.	नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant	-
7.	पर्यावरण की स्थिति/Environmental Conditions	-
8.	उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used	Optical Emission Spectrometer (OES)
9.	कैलिब्रेशन स्थल/Site of Calibration	-
10.	मापन का पता लगाने की क्षमता/Traceability of Measurement	-

**Veerapandian Sivanandham**  
**OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)**  
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TC-13137

ULR : TC1313725500001501F

Section Report No. : 25CH333EN\_1\_NABL

IS 1786 (2008)

NABL C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	4.2 (1)	Carbon Equivalent (CE), % by mass.	Chemical Composition, % by mass.	-	0.61	percent by mass.	0.37
2	4.2 (2)	Carbon, % by mass (As per ASTM E 415-21/ IS 8811: 1998).	Chemical Composition, % by mass.	-	0.25	percent by mass	0.23
3	4.2 (3)	Sulphur, % by mass (As per ASTM E 415-21/ IS 8811: 1998).	Chemical Composition, % by mass.	-	0.04	percent by mass	0.006
4	4.2 (4)	Phosphorus, % by mass (As per ASTM E 415-21/ IS 8811: 1998).	Chemical Composition, % by mass.	-	0.04	percent by mass	0.010
5	4.2 (5)	Sulphur+ Phosphorus, % by mass.	Chemical Composition, % by mass.	-	0.075	percent by mass	0.016

**SOUMIK DHAR**  
 Lab Sc. Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)

**Veerapandian Sivanandham**  
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Tharamani, Chennai - 600113, Tamilnadu



TC-13137

ULR : TC1313725500001501F

Section Report No. : 25CH333EN\_1\_NABL

IS 1786 (2008)

## Part D.

### REMARKS

In respect of tests carried out, the sample meets the chemical requirements of IS 1786: 2008 (RA 2018), read with amendment no.4, July2019 specification for High Strength Deformed Steel Bars and Wires for Concrete Reinforcement for Fe 550D grade.

### Notes

Disclaimer: Conformity statement is based on the limiting values of the product specification of the tested parameters without considering the Measurement Uncertainty.

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**OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)**  
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TC-13137



ULR : TC1313725700001224F

Section Report No. : 25ME2E48N\_1\_NABL

IS 1786 (2008)

NABL B. SUPPLEMENTARY INFORMATION

- नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो।  
Reference to sampling procedure, wherever applicable. Not Applicable
- परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रसि हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो।  
Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any. Not Applicable
- सम्बद्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो।  
Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any. Not Applicable
- परीक्षण सामग्री की पहचान/identification of Test item Embossed on each sample of HSD Steel bar of nominal size 12mm as "JAIRAJ ATOOT 550D 12 ISI 664611".
- व्यावहृत की प्राणाली की पहचान/Method(s) used for Test IS 1786: 2008 (Reaffirmed 2018), Amendment No. 4, July 2019, IS 1608 (Part 1):2022 & IS 1599:2023.
- नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant NA
- पर्यावरण की स्थिति/Environmental Conditions Room Temperature 26.1°C
- उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used Universal Testing Machine, 1000kN.
- कैलिब्रेशन स्थल/Site of Calibration NA
- मापन का पता लगाने की क्षमता/Traceability of Measurement NA

**K P Elangovan**  
**OIC Testing/Calibration Mechanical (Testing/Calibration)**  
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TC-13137

ULR : TC1313725700001224F

Section Report No. : 25ME2E48N\_1\_NABL

IS 1786 (2008)

NABL C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	9.2 (4)	Tensile Strength (up to 12 mm), N/mm <sup>2</sup> - IS 1608 (Part 1): 2022.	Tensile Test	600.0	-	N/mm <sup>2</sup>	730.2
2	9.2	Yield Stress/ 0.2 % Proof Stress. N/mm <sup>2</sup> -- IS 1608 (Part 1): 2022.	Mechanical Test	550.0	-	N/mm <sup>2</sup>	632.6
3	9.2 (1)	TS/ YS Ratio - (IS 1786: 2008/ IS 1608 (Part 1): 2022).	Tensile Test	1.08	-	-	1.15
4	9.2 (2)	Elongation Percent on gauge length of 5.65 Square Root of Crosss- Sectional Area, % - IS 1608 (Part 1): 2022.	Mechanical Test	14.5	-	%	23.2
5	7.2	Mass per metre run, kg/m - IS 1786: 2008	Mass per metre run	0.835	-	kg/m	0.873
6	9.3	Bend test - IS 1599: 2023.	Bend Test to 180 degree bend	-	-	-	Mandrel size selected 48 mm. Sample bended over the mandrel until the sides are parallel. Test result satisfactory. No rupture or crack on the bent portion observed.
7	9.2 (3)	Total Elongation at Maximum Force on gauge length of 5.65 Square Root of Crosss- Sectional Area, % - IS 1608 (Part 1): 2022.	Mechanical Test	5.0	-	%	8
8	9.4	Rebend test (0 - 28 mm) - IS 1786: 2008	Rebend test to 135 / 157.5 degree bend	-	-	-	Mandrel size selected 84 mm. Sample bended over the mandrel to an angle 135 degree. Bent piece kept in boiling water (100 degree C) for 30 minutes and cooled. Sample bent back to an angle 157.5 degree. Test result satisfactory. No rupture or crack on the rebent portion observed.

Signature Not Verified  
kpelangovan@nth.gov.in-(OIC Testing/Calibration)

**Annam Ashok**  
Lab Sc. Testing/Calibration Mechanical (Testing/Calibration)

**K P Elangovan**  
OIC Testing/Calibration Mechanical (Testing/Calibration)  
(Reviewed & Approved by)  
Signed on: 22 Apr, 2025 13:24 PM

Signature Not Verified  
kpelangovan@nth.go  
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Testing/Calibration)



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National Test House (SR), Chennai  
तारामणी, चेन्नई, तमिलनाडु - 600113  
Tharamani, Chennai - 600113, Tamilnadu



TC-13137



ULR : TC1313725700001224F

Section Report No. : 25ME2E48N\_1\_NABL

IS 1786 (2008)

## Part D.

### REMARKS

In respect of tests carried out, the sample meets the requirements of IS 1786: 2008 (Reaffirmed 2018), Amendment No. 4, July 2019 for Grade Fe 550D.

### Notes

Disclaimer : 1. The information / data provided by the customer is clearly identified in the Test Report. The laboratory is not responsible for the information / data provided by the customer. 2. Conformity statement is based on the limiting values of the product specification of the tested parameters without considering the Measurement Uncertainty.

**K P Elangovan**

**OIC Testing/Calibration Mechanical (Testing/Calibration)**

(Reviewed & Approved by)

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तारामणी, चेन्नई, तमिलनाडु - 600113  
Tharamani, Chennai - 600113, Tamilnadu



TC-13137

ULR : TC1313725700001226F, TC1313725500001503F

NABL A. PARTICULARS OF SAMPLE SUBMITTED

COMPLETE TEST CERTIFICATE

भाग 'अ' जमा किये गये नमूने का विवरण

परीक्षण प्रमाणपत्र सं/Test Certificate No:  
NABL/NTH(SR)/M(L)/25/7014\_1

एस.आर.एफ. संख्या/SRF Number:  
NTH(SR)/M(L)/25/7014

जारी होने की तिथि/Date of issue  
25 Apr, 2025

कोड सं/QR Code  
: NTH250087622

a) जिसे जारी करना है/Issued To	:	JAI RAJ ISPAT LIMITED
b) पता/Address	:	Sy No 274 Orvakal Mega Industrial Hub, Orvakal Mandal Village Guttapadu., KURNOOL, Kurnool, Andhra Pradesh, India - 518010
c) ग्राहक का संदर्भ सं एवं दिनांक/Customer's Ref. No.	:	JRIL/NTH/2024-25/670
d) नमूना मुहरबंद स्थिति/Sample Sealed Status	:	Not Sealed
e) परीक्षण सामग्री का विवरण/Description of Test item	:	Fe 550D TMT Rebars conforming to BIS 1786
f) नामपद्धति का विवरण/Description of Nomenclature	:	TMT Rebar of Nominal dia 25mm
g) नमूने की विशिष्टता (यदि हो)/Product Specification(if any)	:	IS 1786 (2008)
h) नमूना प्राप्ति की तिथि /Date of Receipt of the Test item	:	09 Apr, 2025
i) कार्य निष्पादन की तिथि/Date(s)of Performance of Tests	:	From: 19 Apr, 2025 To: 25 Apr, 2025
j) परिमाण/Quantity	:	3.0 No
k) कोई अन्य सूचना / अंतिम तिथि, यदि हो/Any other Information / Expiry Date, If any	:	Chemical & Mechanical Properties of Fe 550D TMT Rebars
l) अनुभाग कोड/Section Code	:	25CH9101N (Pages:3), 25MEAD35N (Pages:4)_NABL
m) अनुभव प्रमाणपत्र संख्या/Section Certificate No.	:	25CH9101N_1, 25MEAD35N_1_NABL
n) प्रमाणपत्र का प्रकार/Certificate Type	:	New
o) संदर्भ प्रमाणपत्र संख्या/Reference Certificate No.	:	
p) टिप्पणी/Remarks	:	Test Report Uploaded.

Signature Not Verified

antu.cd@nth.gov.in-  
(Sample Cell)

Antu C D  
OIC SAMPLE CELL  
Signed on: 25 Apr, 2025 14:39 PM

This Calibration Certificate shall not be reproduced except in full, unless permission for the reproduction of an approved abstract has been obtained from the Director, National Test House (SR), Chennai. 2. This Test / Calibration Certificate relates only to the sample/ items submitted.

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Tharamani, Chennai - 600113, Tamilnadu



TC-13137



ULR : TC1313725500001503F

Section Report No. : 25CH9101N\_1\_NABL

IS 1786 (2008)

NABL B. SUPPLEMENTARY INFORMATION

1.	नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो। Reference to sampling procedure, wherever applicable.	Not Applicable
2.	परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रसि हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो। Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any.	Not Applicable
3.	सम्बद्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो। Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any.	Not Applicable
4.	परीक्षण सामग्री की पहचान/identification of Test item	One sample Stated as "TMT Rebar of Nominal dia 25mm"
5.	व्यावृत्त की प्राणाली की पहचान/Method(s) used for Test	On the lines of IS 8811
6.	नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant	-
7.	पर्यावरण की स्थिति/Environmental Conditions	-
8.	उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used	Optical Emission Spectrometer (OES)
9.	कैलिब्रेशन स्थल/Site of Calibration	-
10.	मापन का पता लगाने की क्षमता/Traceability of Measurement	-

**Veerapandian Sivanandham**  
**OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)**  
(Reviewed & Approved by)  
Signed on: 25 Apr, 2025 14:00 PM

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Testing/Calibration)



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 Tharamani, Chennai - 600113, Tamilnadu



TC-13137

ULR : TC1313725500001503F

Section Report No. : 25CH9101N\_1\_NABL

IS 1786 (2008)

NABL C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	4.2 (1)	Carbon Equivalent (CE), % by mass.	Chemical Composition, % by mass.	-	0.61	percent by mass.	0.40
2	4.2 (2)	Carbon, % by mass (As per ASTM E 415-21/ IS 8811: 1998).	Chemical Composition, % by mass.	-	0.25	percent by mass	0.23
3	4.2 (3)	Sulphur, % by mass (As per ASTM E 415-21/ IS 8811: 1998).	Chemical Composition, % by mass.	-	0.04	percent by mass	0.005
4	4.2 (4)	Phosphorus, % by mass (As per ASTM E 415-21/ IS 8811: 1998).	Chemical Composition, % by mass.	-	0.04	percent by mass	0.016
5	4.2 (5)	Sulphur+ Phosphorus, % by mass.	Chemical Composition, % by mass.	-	0.075	percent by mass	0.021

**SOUMIK DHAR**  
 Lab Sc. Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)

**Veerapandian Sivanandham**  
 OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)  
 (Reviewed & Approved by)  
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Tharamani, Chennai - 600113, Tamilnadu



TC-13137

ULR : TC1313725500001503F

Section Report No. : 25CH9101N\_1\_NABL

IS 1786 (2008)

## Part D.

### REMARKS

In respect of tests carried out, the sample meets the chemical requirements of IS 1786: 2008 (RA 2018), read with amendment no.4, July2019 specification for High Strength Deformed Steel Bars and Wires for Concrete Reinforcement for Fe 550D grade.

### Notes

Disclaimer: Conformity statement is based on the limiting values of the product specification of the tested parameters without considering the Measurement Uncertainty.

**Veerapandian Sivanandham**  
**OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)**  
(Reviewed & Approved by)  
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TC-13137



ULR : TC1313725700001226F

Section Report No. : 25MEAD35N\_1\_NABL

IS 1786 (2008)

NABL B. SUPPLEMENTARY INFORMATION

- नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो।  
Reference to sampling procedure, wherever applicable. Not Applicable
- परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रसि हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो।  
Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any. Not Applicable
- सम्बद्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो।  
Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any. Not Applicable
- परीक्षण सामग्री की पहचान/identification of Test item Embossed on each sample of HSD Steel bar of nominal size 25mm as "JAIRAJ ATOOT 550D 25 IS 664611".
- व्यावहृत की प्राणाली की पहचान/Method(s) used for Test IS 1786: 2008 (Reaffirmed 2018), Amendment No. 4, July 2019, IS 1608 (Part 1):2022 & IS 1599:2023.
- नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant NA
- पर्यावरण की स्थिति/Environmental Conditions Room Temperature 26.1°C
- उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used Universal Testing Machine, 1000kN.
- कैलिब्रेशन स्थल/Site of Calibration NA
- मापन का पता लगाने की क्षमता/Traceability of Measurement NA

K P Elangovan  
OIC Testing/Calibration Mechanical (Testing/Calibration)  
(Reviewed & Approved by)  
Signed on: 22 Apr, 2025 13:35 PM

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Testing/Calibration)



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Tharamani, Chennai - 600113, Tamilnadu



TC-13137

ULR : TC1313725700001226F

Section Report No. : 25MEAD35N\_1\_NABL

IS 1786 (2008)

NABL C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	9.2	Yield Stress/ 0.2 % Proof Stress. N/mm <sup>2</sup> -- IS 1608 (Part 1): 2022.	Mechanical Test	550.0	-	N/mm <sup>2</sup>	613.1
2	9.2 (1)	TS/ YS Ratio - (IS 1786: 2008/ IS 1608 (Part 1): 2022).	Tensile Test	1.08	-	-	1.19
3	9.2 (2)	Elongation Percent on gauge length of 5.65 Square Root of Crosss- Sectional Area, % - IS 1608 (Part 1): 2022.	Mechanical Test	14.5	-	%	20.2
4	7.2	Mass per metre run, kg/m - IS 1786: 2008	Mass per metre run	3.7	-	kg/m	3.81
5	9.3	Bend test - IS 1599: 2023.	Bend Test to 180 degree bend	-	-	-	Mandrel size selected 125 mm. Sample bended over the mandrel until the sides are parallel. Test result satisfactory. No rupture or crack on the bent portion observed.
6	9.2 (3)	Total Elongation at Maximum Force on gauge length of 5.65 Square Root of Crosss- Sectional Area, % - IS 1608 (Part 1): 2022.	Mechanical Test	5.0	-	%	10
7	9.4	Rebend test (0 - 28 mm) - IS 1786: 2008	Rebend test to 135 / 157.5 degree bend	-	-	-	Mandrel size selected 175 mm. Sample bended over the mandrel to an angle 135 degree. Bent piece kept in boiling water (100 degree C) for 30 minutes and cooled. Sample bent back to an angle 157.5 degree. Test result satisfactory. No rupture or crack on the rebent portion observed.
		Tensile Strength (16 to 28 mm), N/mm <sup>2</sup> - IS 1608 (Part 1): 2022.	Tensile Test	600.0	-	N/mm <sup>2</sup>	729.3

Signature Not Verified  
kpelangovan@nth.gov.in-(OIC Testing/Calibration)

**Annam Ashok**  
Lab Sc. Testing/Calibration Mechanical (Testing/Calibration)

**K P Elangovan**  
OIC Testing/Calibration Mechanical (Testing/Calibration)  
(Reviewed & Approved by)  
Signed on: 22 Apr, 2025 13:35 PM

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Tharamani, Chennai - 600113, Tamilnadu



TC-13137



ULR : TC1313725700001226F

Section Report No. : 25MEAD35N\_1\_NABL

IS 1786 (2008)

## Part D.

### REMARKS

In respect of tests carried out, the sample meets the requirements of IS 1786: 2008 (Reaffirmed 2018), Amendment No. 4, July 2019 for Grade Fe 550D.

### Notes

Disclaimer : 1. The information / data provided by the customer is clearly identified in the Test Report. The laboratory is not responsible for the information / data provided by the customer. 2. Conformity statement is based on the limiting values of the product specification of the tested parameters without considering the Measurement Uncertainty.

**K P Elangovan**

**OIC Testing/Calibration Mechanical (Testing/Calibration)**

(Reviewed & Approved by)

Signed on: 22 Apr, 2025 13:35 PM

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kpelangovan@nth.go

v.in-(OIC

Testing/Calibration)



**भारतीय मानक ब्यूरो**  
**Bureau of Indian Standards**  
The National Standards Body of India

For any other  
communication

Address:

Vijayawada Branch Office-  
First Floor, 56-2-11,, AP  
MARKFED Building, APIIC  
Colony, Jawahar Auto  
Nagar,Vijayawada-  
520007, Vijayawada,  
KRISHNA,ANDHRA  
PRADESH,520007

Phone:

07382492833

Fax:

08912540861

E-Mail:

vjbo@bis.gov.in

Web:

www.bis.org.in,  
www.manakonline.in

Dated: 01- 01-2025

Our Ref :VJBO/CM/L 6600104906

Subject: Grant of BIS Certification Marks Licence No 6600104906 as per IS 14650:2023.

M/S JAI RAJ ISPAT LIMITED

SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,,GUTTAPADU  
VILLAGE,KURNOOL BAZAR,KURNOOL,ANDHRA PRADESH,INDIA 518010

Dear Madams(s)/Sir,

With reference to your application, we are pleased to inform you that the Certification Marks Licence has been granted to you to use the Standard Mark in respect of the followings:

UNALLOYED AND ALLOYED STEEL INGOT AND SEMI-FINISHED PRODUCTS FOR  
RE-ROLLING PURPOSES - SPECIFICATION (First Revision)

Product:-

Grade/Class/Type/Variety
Continuously Cast Billet, IS 14650:2023 CPS IS 1786 / Fe 550 D, IS 14650:2023 CPS IS 1786 / Fe 550, Without any optional requirements

1. The licence is granted on the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards.
- 2.The number assigned to this licence is CM/L- 6600104906 which has been made operative from 2025-01-01 and is valid upto 2025-12-31. The licence number should invariably be referred to in your future correspondence. According to sub-regulation (1) &(3) of Paragraph 5 of scheme I of Schedule II under Bureau of Indian Standards (Conformity of Assessment) Regulation, 2018, the annual licence fee of Rs. 1000.00 and the marking fee for use of standard mark as per Annexure-I of Scheme I of BIS(Conformity assessment) Regulation 2018 is payable by you with effect from 2025-01-01 for the period of validity of the licence licence in advance.
3. Minimum marking fee stipulated in Annexure -I of scheme I of BIS (Conformity Assessment) Regulation 2018 is payable by you regardless of the whether you actually mark your product or not with the Standard Mark.Our Receipt No. AA66PC2024001531 dated 2024-12-18 for the licence fee and the minimum marking fee for the first operative period is already \*issued/enclosed/being sent separately.
4. This advance minimum marking fee will be carried over to the next year on every renewal. The actual marking fee calculated on the unit rate on the production marked or the minimum marking fee, whichever is higher shall be payable by you at the time of renewal.
- 5.With a view to streamlining the reporting of quantity marked, calculation and collection of marking fee on the unit

rate basis, fees will be calculated on the production marked during the first nine months of operation of the licence at the time of first renewal, and on the production marked during twelve months comprising the last three months of the previous operative year and the first nine months of the current operative year, at the time of the second and subsequent renewals. In case the licence expires, the entire production marked till the expiry date shall be taken into account for calculating the marking fee payable.

6.The Scheme of Testing and Inspection submitted by you and agrred by BIS or the Scheme of Testing and Inspection as specified by BIS will have to be implemented by your organization strictly and completely. This supervision of the operation of the Scheme shall be done by a person responsible for the quality control function in your organization. Kindly inform us the name and designation of the person who will be held responsible for the operation and maintenance of the Scheme. Any future change in this respect will have to be communicated by you to us as and when these take place.

7.We are enclosing a sheet giving the preferred dimensions of the Standard Mark to enable you to prepare the designs of the Standard Mark for marking the above product Photographic reduction in any size is permissible. This will ensure the relative proportions of the different dimensions maintained. Preferred dimensions be used as far as possible.

8.On commencement of marking of your product for which you are licensed, you may advertise your product with Standard Mark in various media only during the validity of your licence. The use of Standard Mark on letterheads and publicity literature will be permitted only on receipt of your assurance that in the event of cancellation or lapsing of your licence, the Standard Mark on your letterheads, publicity literatures etc. will be destroyed/obliterated.

9.This licence is granted for your factory situated at SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,,GUTTAPADU VILLAGE,KURNOOL BAZAR,KURNOOL,ANDHRA PRADESH,INDIA 518010. Privileges under the licence shall not be exercised by any other firm company/factory etc. This licence is not transferable in the event of shifting the manufacturing and testing equipment from the licensed premises to some other place, use of Standard Mark shall be stopped till the new premises are inspected and found to be satisfactory by us in respect of manufacturing and testing facilities available there and the address of the new premises is endorsed in the licence..

Thanking You,

Signature of Designated authority

Name Ramakanth Sagar Muthyala

Designation SCIENTIST-D

Encl:As above (\*strike out whichever is not applicable)

भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS

मानक चिह्न के उपयोग के लिए अनुज्ञप्ति  
Licence for the use of STANDARD MARK

लाइसेंस सं. सीएम/एल

Licence No. CM/L- 6600104906

यह ब्यूरो, भारतीय मानक ब्यूरो अधिनियम, 2016 (2016 का 11) द्वारा प्रदत्त शक्तियों के आधार पर

जै रज इस्पत लिमिटेड

स्य नो २७४ पर्त अन्द १८१ पर्त, ओर्वकल मेग इन्दुस्त्रिअल हुब,, गुत्तपदु विल्लगे, कुर्नूल बझर

को (जिसे इसमें आगे 'अनुज्ञप्तिधारी' कहा गया है) इसकी प्रथम अनुसूची के पहले स्तंभ में विनिर्दिष्ट मानक चिह्न का इस अनुसूची के तीसरे स्तंभ में दी गई किस्मो पर, उपयोग करने के लिए अनुज्ञप्ति प्रदान करता है। इन उत्पादित किस्मो पर चिह्न का उपयोग उक्त अनुसूची के द्वितीय स्तंभ में समय-समय पर संशोधित अथवा पुनरीक्षित/संदर्भित संबंध भारतीय मानक (मानकों) के अनुसार/अनुरूप विनिर्मित हो।

By virtue of the power conferred on it by the BUREAU OF INDIAN STANDARDS ACT, 2016 (11 of 2016) the BUREAU hereby grants to

JAI RAJ ISPAT LIMITED

SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,, GUTTAPADU VILLAGE, KURNOOL BAZAR, - 518010, Andhra Pradesh, India

(hereinafter called the Licensee) this licence to use the Standard Mark set out in the first column of the Schedule hereto, upon or in respect of the varieties set out in the third column of the said Schedule which is manufactured in accordance with/conforms to the related Indian Standard(s) referred to in the second column of the said Schedule as from time to time amended or revised.

2. इस अनुज्ञप्ति में अनुबंद अनुज्ञप्ति की शर्तों के लिए अनुज्ञप्तिधारी उत्तरदायी हैं। यह अनुज्ञप्ति पहली अनुसूची में यथा-उल्लिखित नाम, कारखाना के पते और अवधि के लिए विधिमान्य होगा और इसे स्कीम-I में निर्दिष्टानुसार नवीकृत कराया जा सकता है।

2. This licence carries the obligations on the part of licence as condition of licence which are given in Annexure attached herewith. The licence shall be valid for the name, factory address and period as mentioned in the schedule and may be renewed as specified in the scheme-I

**SCHEDULE**

लाइसेंस सं. सीएम/एल  
LICENCE NO. CM/L - 6600104906

नाम : जै रज इस्पत लिमिटेद


फैक्ट्री एड्रेस : स्य नो २७४ पर्त अन्द १८१ पर्त, ओर्वकल मेग इन्दुस्त्रिअल हुब,, गुत्तपदु विल्लगे, कुर्नूल बझर

विधिमान्यता : एक जनवरी दो हज़ार पच्चीस से इकतीस दिसम्बर दो हज़ार पच्चीस

Name : JAI RAJ ISPAT LIMITED

Factory Address : SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,, GUTTAPADU VILLAGE, KURNOOL BAZAR, - 518010, Andhra Pradesh, India

Validity :From First January Two Thousand Twenty Five to Thirty First December Two Thousand Twenty Five

मानक चिह्न STANDARD MARK	भारतीय मानक INDIAN STANDARD(S)	अनुज्ञप्ति का विषय क्षेत्र SCOPE OF LICENCE	चिह्नांकन शुल्क MARKING FEE
(1)	(2)	(3)	(4)
IS 14650  CM/L- 6600104906	IS 14650 : 2023  UNALLOYED AND ALLOYED STEEL INGOT AND SEMI- FINISHED PRODUCTS FOR RE- ROLLING PURPOSES - SPECIFICATION (First Revision)	Continuously Cast Billet, IS 14650:2023 CPS IS 1786 / Fe 550 D, IS 14650:2023 CPS IS 1786 / Fe 550, Without any optional requirements	एक वर्ष की प्रचालन अवधि के दौरान न्यूनतम मुहरांकन फीस ₹ 61000.00 के साथ सभी इकाईयों के लिए ₹ 3.00 प्रति इकाई   इकाई: 1 TONNE  ₹ 3.00 per unit for all units with a Minimum Marking Fee of ₹ 61000.00 during an operative period of one year  Unit: 1 TONNE  एक प्रचालन वर्ष के लिए न्यूनतम चिह्नांकन शुल्क अग्रिम में देय होगी जो अगले नवीकरण में अग्रनीत होगी। Minimum marking fee for one operative year payable in advance which will be carried over to next renewal(s)

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आज एक जनवरी दो हज़ार पच्चीस को हस्ताक्षरित तथा मोहरबंद किया गया।  
Signed, Sealed and Dated this First January Two Thousand Twenty Five .

कृते भारतीय मानक ब्यूरो  
for BUREAU OF INDIAN STANDARDS

हस्ताक्षर/Signature : Ramakanth Sagar Muthyala  
पदनामित प्राधिकारी का नाम/Name of Designated Authority : SCIENTIST-D



**भारतीय मानक ब्यूरो**  
**Bureau of Indian Standards**  
The National Standards Body of India

For any other  
communication

Address:

Vijayawada Branch Office-  
First Floor, 56-2-11,, AP  
MARKFED Building, APIIC  
Colony, Jawahar Auto  
Nagar,Vijayawada-  
520007, Vijayawada,  
KRISHNA,ANDHRA  
PRADESH,520007

Phone:

07382492833

Fax:

08912540861

E-Mail:

vjbo@bis.gov.in

Web:

www.bis.org.in,  
www.manakonline.in

Our Ref :VJBO/CM/L 6600104611

Dated: 31- 12-2024

Subject: Grant of BIS Certification Marks Licence No 6600104611 as per IS 1786:2008.

M/S JAI RAJ ISPAT LIMITED

SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,,GUTTAPADU  
VILLAGE,KURNOOL BAZAR,KURNOOL,ANDHRA PRADESH,INDIA 518010

Dear Madams(s)/Sir,

With reference to your application, we are pleased to inform you that the Certification Marks Licence has been granted to you to use the Standard Mark in respect of the followings:

High strength deformed steel bars and wires for concrete reinforcement-  
Product:-

Grade/Class/Type/Variety
--------------------------

High strength deformed steel bars and wires for concrete reinforcement , Grade : Fe 550 , 550 D , Sizes 8 mm,10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 28 mm, 32 mm
--

1. The licence is granted on the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards.
- 2.The number assigned to this licence is CM/L- 6600104611 which has been made operative from 2024-12-31 and is valid upto 2025-12-30. The licence number should invariably be referred to in your future correspondence. According to sub-regulation (1) &(3) of Paragraph 5 of scheme I of Schedule II under Bureau of Indian Standards (Conformity of Assessment) Regulation, 2018, the annual licence fee of Rs. 1000.00 and the marking fee for use of standard mark as per Annexure-I of Scheme I of BIS(Conformity assessment) Regulation 2018 is payable by you with effect from 2024-12-31 for the period of validity of the licence licence in advance.
3. Minimum marking fee stipulated in Annexure -I of scheme I of BIS (Conformity Assessment) Regulation 2018 is payable by you regardless of the whether you actually mark your product or not with the Standard Mark.Our Receipt No. AA66PC2024001508 dated 2024-12-14 for the licence fee and the minimum marking fee for the first operative period is already \*issued/enclosed/being sent separately.
4. This advance minimum marking fee will be carried over to the next year on every renewal. The actual marking fee calculated on the unit rate on the production marked or the minimum marking fee, whichever is higher shall be payable by you at the time of renewal.
- 5.With a view to streamlining the reporting of quantity marked, calculation and collection of marking fee on the unit rate basis, fees will be calculated on the production marked during the first nine months of operation of the licence

at the time of first renewal, and on the production marked during twelve months comprising the last three months of the previous operative year and the first nine months of the current operative year, at the time of the second and subsequent renewals. In case the licence expires, the entire production marked till the expiry date shall be taken into account for calculating the marking fee payable.

6.The Scheme of Testing and Inspection submitted by you and agreed by BIS or the Scheme of Testing and Inspection as specified by BIS will have to be implemented by your organization strictly and completely. This supervision of the operation of the Scheme shall be done by a person responsible for the quality control function in your organization. Kindly inform us the name and designation of the person who will be held responsible for the operation and maintenance of the Scheme. Any future change in this respect will have to be communicated by you to us as and when these take place.

7.We are enclosing a sheet giving the preferred dimensions of the Standard Mark to enable you to prepare the designs of the Standard Mark for marking the above product Photographic reduction in any size is permissible. This will ensure the relative proportions of the different dimensions maintained. Preferred dimensions be used as far as possible.

8.On commencement of marking of your product for which you are licensed, you may advertise your product with Standard Mark in various media only during the validity of your licence. The use of Standard Mark on letterheads and publicity literature will be permitted only on receipt of your assurance that in the event of cancellation or lapsing of your licence, the Standard Mark on your letterheads, publicity literatures etc. will be destroyed/obliterated.

9.This licence is granted for your factory situated at SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,,GUTTAPADU VILLAGE,KURNOOL BAZAR,KURNOOL,ANDHRA PRADESH,INDIA 518010. Privileges under the licence shall not be exercised by any other firm company/factory etc. This licence is not transferable in the event of shifting the manufacturing and testing equipment from the licensed premises to some other place, use of Standard Mark shall be stopped till the new premises are inspected and found to be satisfactory by us in respect of manufacturing and testing facilities available there and the address of the new premises is endorsed in the licence..

Thanking You,

Signature of Designated authority

Name Ramakanth Sagar Muthyala

Designation SCIENTIST-D

Encl:As above (\*strike out whichever is not applicable)

भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS

मानक चिह्न के उपयोग के लिए अनुज्ञप्ति  
Licence for the use of STANDARD MARK

लाइसेंस सं. सीएम/एल

Licence No. CM/L- 6600104611

यह ब्यूरो, भारतीय मानक ब्यूरो अधिनियम, 2016 (2016 का 11) द्वारा प्रदत्त शक्तियों के आधार पर

जै रज इस्पत लिमिटेड

स्य नो २७४ पार्ट अन्द १८१ पार्ट, ओर्वकल मेग इन्दुस्त्रिअल हुब,, गुत्तपदु विल्लगे, कुर्नूल बझर

को (जिसे इसमें आगे 'अनुज्ञप्तिधारी' कहा गया है) इसकी प्रथम अनुसूची के पहले स्तंभ में विनिर्दिष्ट मानक चिह्न का इस अनुसूची के तीसरे स्तंभ में दी गई किस्मों पर, उपयोग करने के लिए अनुज्ञप्ति प्रदान करता है। इन उत्पादित किस्मों पर चिह्न का उपयोग उक्त अनुसूची के द्वितीय स्तंभ में समय-समय पर संशोधित अथवा पुनरीक्षित/संदर्भित संबंध भारतीय मानक (मानकों) के अनुसार/अनुरूप विनिर्मित हो।

By virtue of the power conferred on it by the BUREAU OF INDIAN STANDARDS ACT, 2016 (11 of 2016) the BUREAU hereby grants to

JAI RAJ ISPAT LIMITED

SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,, GUTTAPADU VILLAGE, KURNOOL BAZAR, - 518010, Andhra Pradesh, India

(hereinafter called the Licensee) this licence to use the Standard Mark set out in the first column of the Schedule hereto, upon or in respect of the varieties set out in the third column of the said Schedule which is manufactured in accordance with/conforms to the related Indian Standard(s) referred to in the second column of the said Schedule as from time to time amended or revised.

2. इस अनुज्ञप्ति में अनुबंद अनुज्ञप्ति की शर्तों के लिए अनुज्ञप्तिधारी उत्तरदायी हैं। यह अनुज्ञप्ति पहली अनुसूची में यथा-उल्लिखित नाम, कारखाना के पते और अवधि के लिए विधिमान्य होगा और इसे स्कीम-I में निर्दिष्टानुसार नवीकृत कराया जा सकता है।

2. This licence carries the obligations on the part of licence as condition of licence which are given in Annexure attached herewith. The licence shall be valid for the name, factory address and period as mentioned in the schedule and may be renewed as specified in the scheme-I

**SCHEDULE**

लाइसेंस सं. सीएम/एल  
LICENCE NO. CM/L - 6600104611

नाम : जै रज इस्पत लिमिटेद


फैक्ट्री एड्रेस : स्य नो २७४ पर्त अन्द १८१ पर्त, ओर्वकल मेग इन्दुस्त्रिअल हुब,, गुत्तपदु विल्लगे, कुर्नूल बझर

विधिमान्यता : इकतीस दिसम्बर दो हज़ार चौबीस से तीस दिसम्बर दो हज़ार पच्चीस

Name : JAI RAJ ISPAT LIMITED

Factory Address : SY NO 274 PART AND 181 PART, ORVAKAL MEGA INDUSTRIAL HUB,, GUTTAPADU VILLAGE, KURNOOL BAZAR, - 518010, Andhra Pradesh, India

Validity :From Thirty First December Two Thousand Twenty Four to Thirty December Two Thousand Twenty Five

मानक चिह्न STANDARD MARK	भारतीय मानक INDIAN STANDARD(S)	अनुज्ञप्ति का विषय क्षेत्र SCOPE OF LICENCE	चिह्नांकन शुल्क MARKING FEE
(1)	(2)	(3)	(4)
IS 1786  CM/L- 6600104611	IS 1786 : 2008  कंक्रीट प्रबलन के लिए उच्च शक्ति विरूपित इस्पात सरिए एवं तार High strength deformed steel bars and wires for concrete reinforcement-	High strength deformed steel bars and wires for concrete reinforcement , Grade : Fe 550 , 550 D , Sizes 8 mm,10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 28 mm, 32 mm	एक वर्ष की प्रचालन अवधि के दौरान न्यूनतम मुहरांकन फीस ₹ 105000.00 के साथ सभी इकाईयों के लिए ₹ 3.00 प्रति इकाई   इकाई: 1 TON  ₹ 3.00 per unit for all units with a Minimum Marking Fee of ₹ 105000.00 during an operative period of one year  Unit: 1 TON  एक प्रचालन वर्ष के लिए न्यूनतम चिह्नांकन शुल्क अग्रिम में देय होगी जो अगले नवीकरण में अग्रनीत होगी। Minimum marking fee for one operative year payable in advance which will be carried over to next renewal(s)

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आज इकतीस दिसम्बर दो हज़ार चौबीस को हस्ताक्षरित तथा मोहरबंद किया गया।  
Signed, Sealed and Dated this Thirty First December Two Thousand Twenty Four .

कृते भारतीय मानक ब्यूरो  
for BUREAU OF INDIAN STANDARDS

हस्ताक्षर/Signature : Ramakanth Sagar Muthyala  
पदनामित प्राधिकारी का नाम/Name of Designated Authority : SCIENTIST-D



# Certificate of Registration

This is to certify that

**Quality Management System**

of

## JAI RAJ ISPAT LIMITED

Sy. No.274 Part and 181 Part, Orvakal Mega Industrial Hub of APIIC, Guttapadu Village, Orvakal Mandal, Kurnool District – 518 010, Andhra Pradesh, India.

complies with the requirements of

**ISO 9001:2015**

This certificate is valid concerning all activities related to:

**Manufacturing and Supply of Pig Iron and TMT Rebars.**

**ANZSIC Code: 2110**

**19091**  
Certificate No.

**Apr. 04, 2025**  
Date of this Certificate

**Apr. 03, 2026**  
\*Next Audit Due Date

**Apr. 04, 2025**  
Date of Initial Registration

**Apr. 03, 2028**  
Certification Expiry Date

  
Managing Director/Director



## TRANSPACIFIC CERTIFICATIONS LIMITED

Website : [www.tclcertifications.com](http://www.tclcertifications.com) E-mail : [info@tclcertifications.com](mailto:info@tclcertifications.com)

Accreditation by Joint Accreditation System of Australia and New Zealand (Accreditation No. S2640303IN)

FECCA House, 4 Phipps Close, Deakin, ACT 2600, AUSTRALIA.

<https://register.jasanz.org/certified-organisations>

This certificate is only valid if it is available on TCL website at <https://tclcertifications.com/vregister/index.php>

This certificate of registration remains the property of Transpacific Certifications Limited and shall be return immediately upon request.

\*In case if Surveillance/Recertification Audit is not allowed to be conducted on or before the specified date, the certificate shall be Suspended/Withdrawn.



# Certificate of Registration

This is to certify that

## Environmental Management System

of

### JAI RAJ ISPAT LIMITED

Sy. No.274 Part and 181 Part, Orvakal Mega Industrial Hub of APIIC, Guttapadu Village, Orvakal Mandal, Kurnool District – 518 010, Andhra Pradesh, India.

complies with the requirements of

### ISO 14001:2015

This certificate is valid concerning all activities related to:

**Manufacturing and Supply of Pig Iron and TMT Rebars.**

**ANZSIC Code: 2110**

**E4319**  
Certificate No.

**Apr. 04, 2025**  
Date of this Certificate

**Apr. 03, 2026**  
\*Next Audit Due Date

**Apr. 04, 2025**  
Date of Initial Registration

**Apr. 03, 2028**  
Certification Expiry Date

  
Managing Director/Director



## TRANSPACIFIC CERTIFICATIONS LIMITED

Website : [www.tclcertifications.com](http://www.tclcertifications.com) E-mail : [info@tclcertifications.com](mailto:info@tclcertifications.com)  
Accreditation by Joint Accreditation System of Australia and New Zealand (Accreditation No. E3560506IN)  
FECCA House, 4 Phipps Close, Deakin, ACT 2600, AUSTRALIA.  
<https://register.jasanz.org/certified-organisations>

This certificate is only valid if it is available on TCL website at <https://tclcertifications.com/register/index.php>  
This certificate of registration remains the property of Transpacific Certifications Limited and shall be return immediately upon request.  
\*In case if Surveillance/Recertification Audit is not allowed to be conducted on or before the specified date, the certificate shall be Suspended/Withdrawn.



# Certificate of Registration

This is to certify that

## Occupational Health and Safety Management System

of

### JAI RAJ ISPAT LIMITED

Sy. No.274 Part and 181 Part, Orvakal Mega Industrial Hub of APIIC, Guttapadu Village, Orvakal Mandal, Kurnool District – 518 010, Andhra Pradesh, India.

complies with the requirements of

**ISO 45001:2018**

This certificate is valid concerning all activities related to:

**Manufacturing and Supply of Pig Iron and TMT Rebars.**

**ANZSIC Code: 2110**

**O-3369**  
Certificate No.

**Apr. 04, 2025**  
Date of this Certificate

**Apr. 03, 2026**  
\*Next Audit Due Date

**Apr. 04, 2025**  
Date of Initial Registration

**Apr. 03, 2028**  
Certification Expiry Date

  
Managing Director/Director



## TRANSPACIFIC CERTIFICATIONS LIMITED

Website : [www.tclcertifications.com](http://www.tclcertifications.com) E-mail : [info@tclcertifications.com](mailto:info@tclcertifications.com)  
Accreditation by Joint Accreditation System of Australia and New Zealand (Accreditation No. M2640303IN)  
FECCA House, 4 Phipps Close, Deakin, ACT 2600, AUSTRALIA.  
<https://register.jasanz.org/certified-organisations>

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