

Approvals and Certificates





JSW Steel Plant, Vijayanagar Works, Karnataka



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JSW Steel Plant, Vijayanagar Works, Karnataka

Meet JSW

JSW Group is a \$24 billion global conglomerate and one of India's most diverse and dynamic business entities. With its headquarters in Mumbai, the Group has a significant presence across steel, energy, cement, infrastructure, paints, electric mobility, defence, copper, venture capital, and sports. JSW Steel, its flagship company, is ranked among the world's leading steel manufacturers. JSW Energy is advancing India's clean energy ambitions, while JSW Cement and JSW Paints are redefining sustainability in construction and coatings. Beyond business, JSW invests in sports, technology, and community-driven initiatives, fostering inclusive growth. With operations spanning India, the US, Europe, and Africa, JSW is shaping a sustainable and progressive future.

40000+

300+

17

3



People



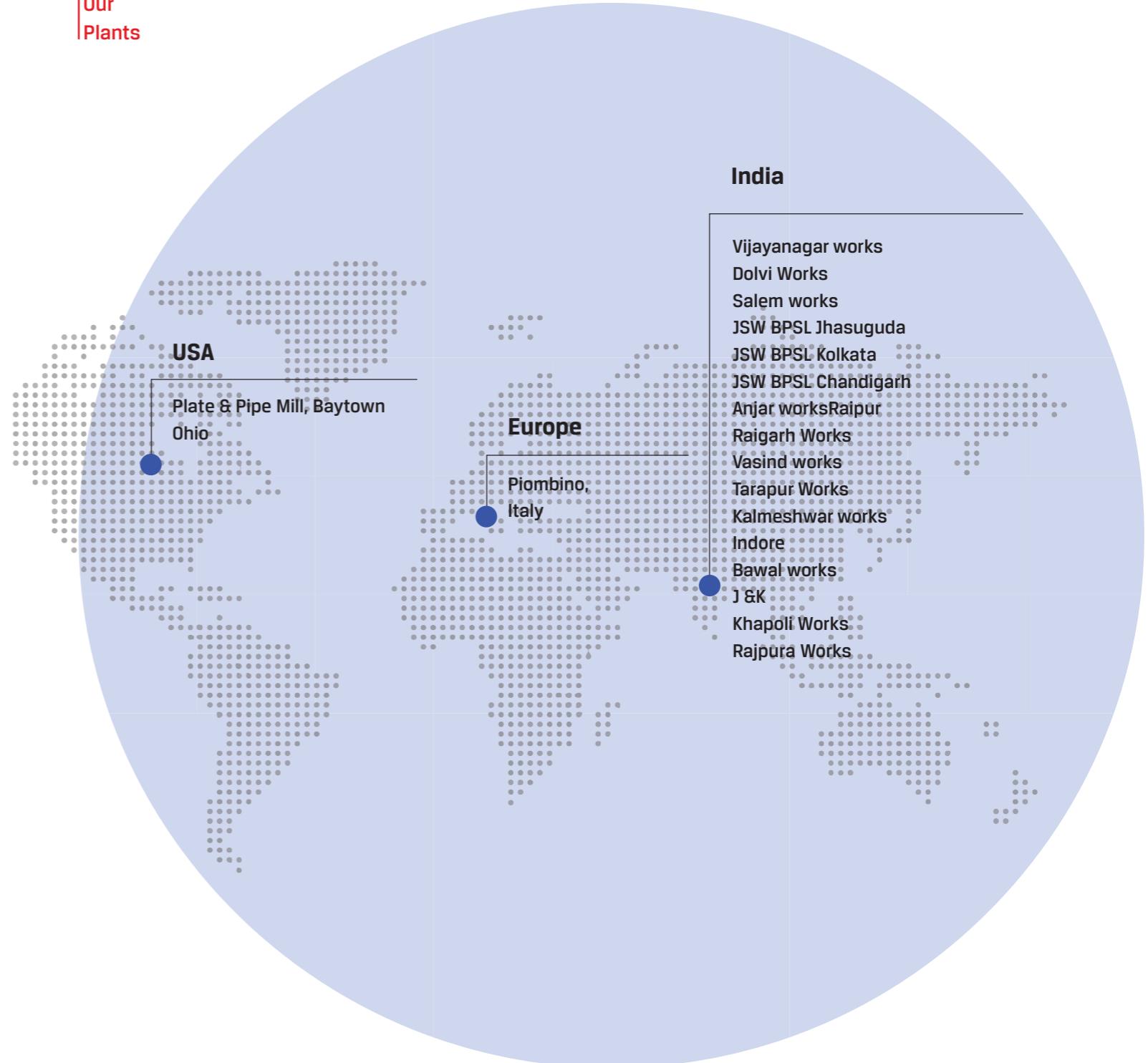
Offices



Plants



Continents



Meet JSW Steel

JSW Steel is the flagship business of the diversified, US\$ 24 billion JSW Group. As one of India's leading business houses, JSW Group also has interests in energy, infrastructure, cement, paints, realty, e-platforms, green mobility, defence, sports, and venture capital. Over the last three decades, JSW Steel has grown from a single manufacturing unit to become India's leading integrated steel company with consolidated crude steel capacity of 35.7 MTPA including 1.5 MTPA in US. Domestic crude steel capacity stood at 32.5 MTPA and will reach at 34.2 MTPA post full commissioning of expansion project by wholly owned subsidiary, JSW Vijayanagar Metallics Ltd. (JVML) at Vijayanagar. Its next phase of growth will take consolidated capacity to 43.5 MTPA over next three years. The Company's plant in Vijayanagar, Karnataka is the largest single-location steel-producing facility in India with capacity of 17.5 MTPA (including under commissioning).

JSW Steel has always been at the forefront of research and innovation. It has a strategic collaboration with global leader JFE Steel of Japan, enabling JSW to access new and state-of-the-art technologies to produce and offer high value special steel products to its customers. These products are extensively used across industries and applications including construction, infrastructure, automobile, electrical applications, and appliances.

JSW Steel is widely recognized for its excellence in business and sustainability practices. Some of these recognitions include World Steel Association's Steel Sustainability Champion (consecutively from 2019 to 2024), Leadership Rating (A-) in CDP climate change disclosure and A in CDP Water Disclosure (2023), Deming Prize for TQM for its facilities at Vijayanagar (2018), and Salem (2019). It is part of the Dow Jones World and Emerging Markets Sustainability Indices (DJSI), and included in S&P Global's Sustainability Yearbook (consecutively from 2020 to 2024). JSW Steel is ranked 8th among the top 35 world-class steelmakers, according to the 'World-Class Steelmaker Rankings' by World Steel Dynamics (WSD), based on a variety of factors. As a responsible corporate citizen, JSW Steel's CO₂ emission reduction goals are aligned with India's Climate Change commitments under the Paris Accord.

Did You Know?

JSW Steel has received Responsible Steel Certification for four manufacturing sites
- Vijaynagar, Dolvi, Tarapur and Salem





About JSW Neosteel

JSW Neosteel TMT Bars are one of India's leading TMT brands, known for their high quality and consistency. JSW Neosteel offers peace of mind not only to millions of house builders but also to leading infrastructure and commercial project companies across the world. JSW Neosteel TMT Bars manufactured through blast furnace route (BF-LHF-Billets-BRM-TMT) that ensures purity and premium quality. The state of art and world class bar rod mills used for production of JSW Neosteel are supplied from Danieli, Italy and Morgan, USA.

Manufactured from virgin iron ore in state-of-the-art rolling mills, every single running foot of JSW Neosteel TMT bars is free from impurities and has uniform properties.

Available in 500D, 550D, 500D CRS, 550D CRS, 600, 550D EDS etc



Easy Weldability



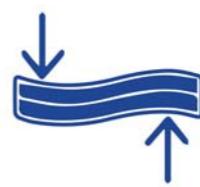
Easy Bendability



Higher Corrosion Resistance



Superior Siesmic Resistance



Higher Fatigue Resistance

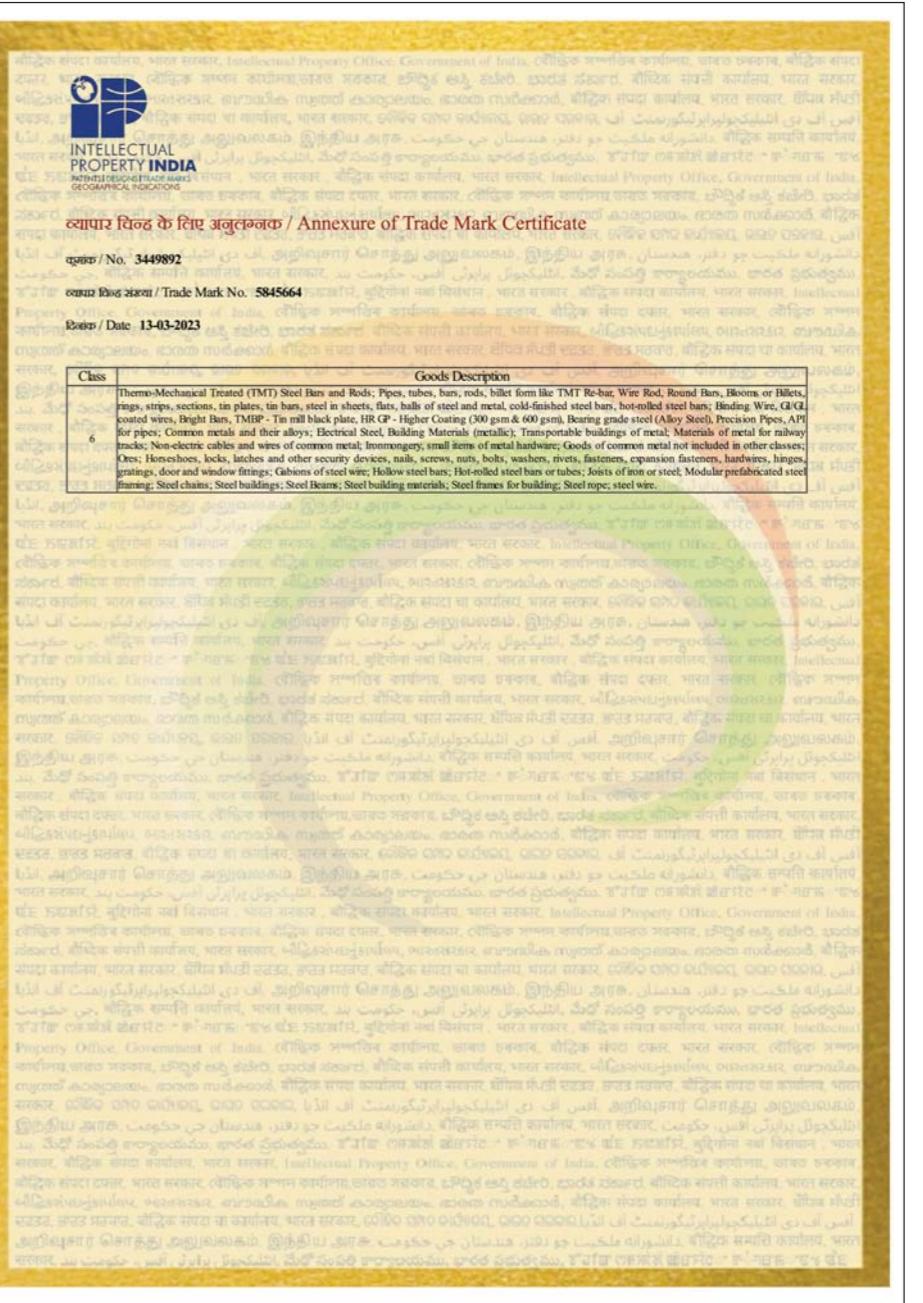


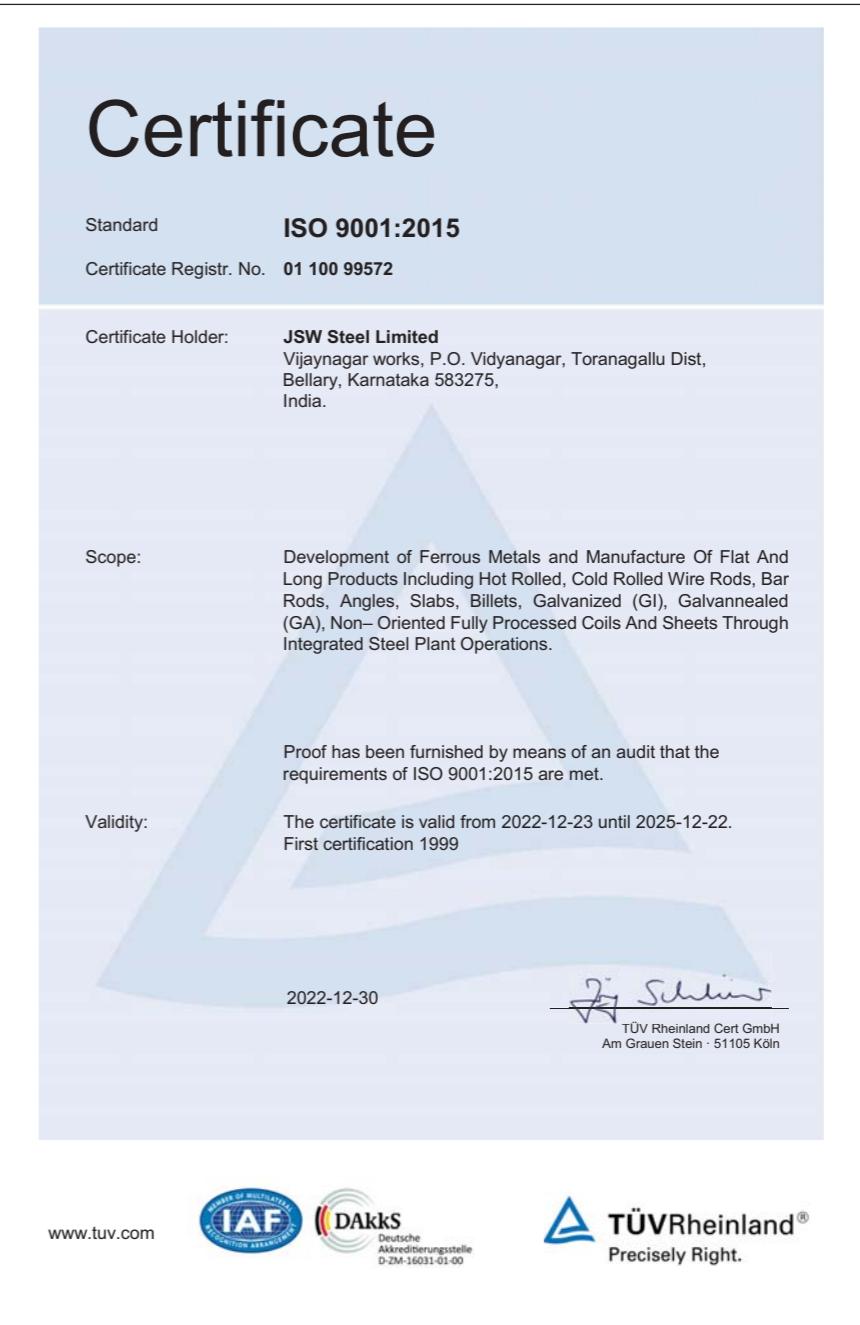
Pathway to Perfection

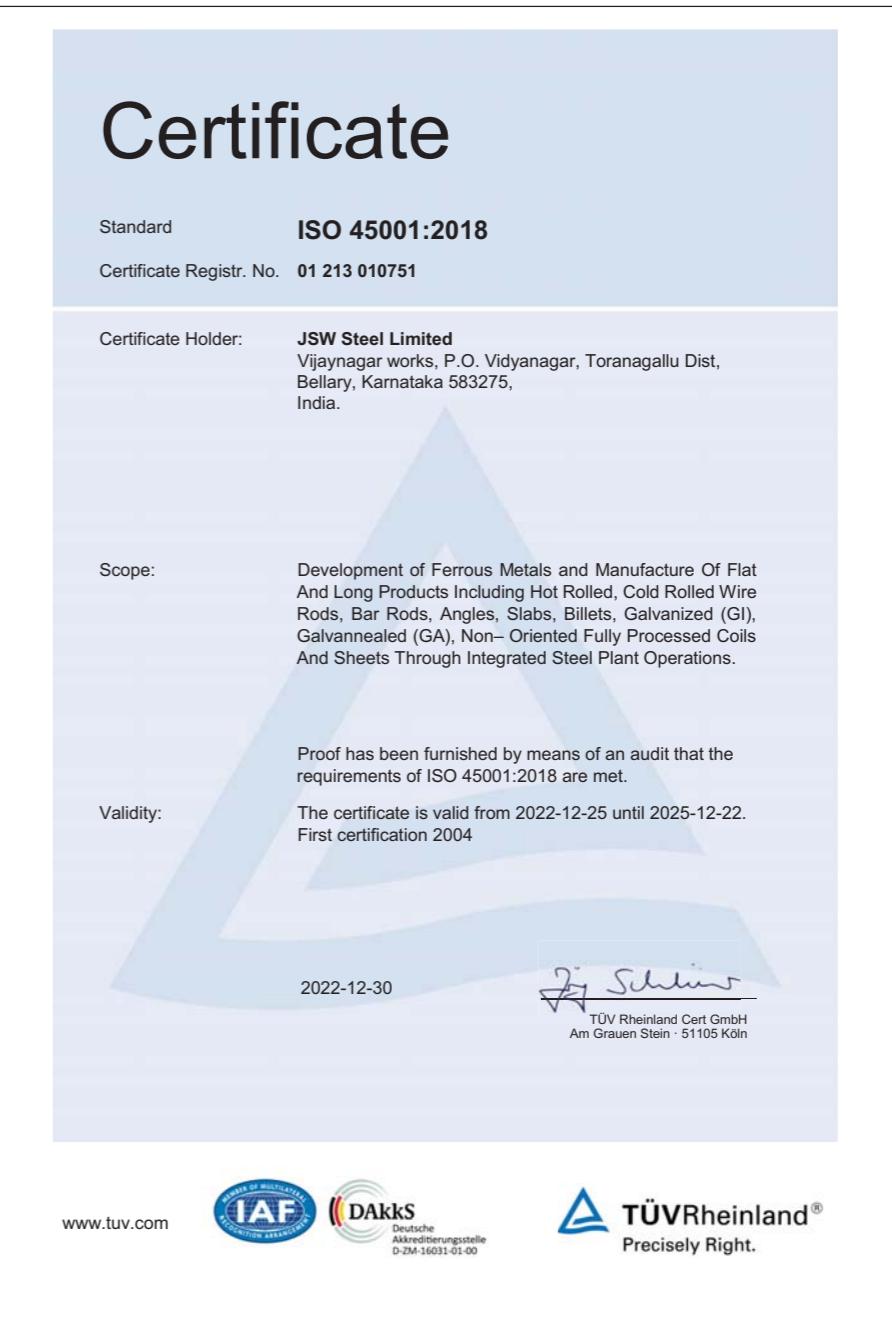


JSW Steel Plant , Vijaynagar

Trade Mark Certificate







<p>For any other communication</p> <p>Address: Hubli Branch Office-1st Floor, KS Financial Corporation Building, Pune Bangalore Road(Hubli-Dharwad Highway), Rayapur, Dharwad, DHARWAD,KARNATAKA,580009</p> <p>Phone: 08362957898</p> <p>Fax:</p> <p>E-Mail: hubo@bis.gov.in</p> <p>Web: www.bis.org.in, www.manakonline.in</p>											
<p>BUREAU OF INDIAN STANDARDS</p> <p>Attachment to Licence No. CM/L- 6965397</p> <table border="1"><thead><tr><th>CM/L-No</th><th>Name of the Licensee with the Factory Address</th><th>Name of the Product</th><th>Indian Standard No.</th></tr></thead><tbody><tr><td>6965397</td><td>JSW STEEL LTD - TORANAGALLU P.O VIDYANAGAR BELLARY: 583275 , , BELLARY : 583275</td><td>High strength deformed steel bars and wires for concrete reinforcement-</td><td>IS 1786 : 2008</td></tr></tbody></table> <p>Endorsement No. 21 Dated 18-Jul-2024</p> <p>Whereas, the licence was valid upto Thirty First August Two Thousand Twenty Four.</p> <p>Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 30-AUG-2024 has been extended from Thirty First August Two Thousand Twenty Four to Thirty August Two Thousand Twenty Five</p> <p>Other terms and conditions of licence remain same.</p> <p>Branch Head (Hubli Branch Office)</p> <p>Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002. ,9 Bahadur Shah Zafar Marg, ,DELHI,110002</p> <p>Contact No: +91 11 23230131, 23233375, 23239402 Fax: +91 11 23234062, 232 Email: info@bis.gov.in</p>				CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.	6965397	JSW STEEL LTD - TORANAGALLU P.O VIDYANAGAR BELLARY: 583275 , , BELLARY : 583275	High strength deformed steel bars and wires for concrete reinforcement-	IS 1786 : 2008
CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.								
6965397	JSW STEEL LTD - TORANAGALLU P.O VIDYANAGAR BELLARY: 583275 , , BELLARY : 583275	High strength deformed steel bars and wires for concrete reinforcement-	IS 1786 : 2008								



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TEST REPORT

F-01-MSP7.8-TRP

Plot No. 3, IDA, Balanagar,
Hyderabad - 500 037, Telangana.
Ph: 040-6904 2222/10 Lines
E-mail: info@lucidlabsindia.com
Web: www.lucidlabsindia.com

Issued to:
JSW STEELS LIMITED,
Vijayanagar Works
Toranagallu (V) - 583275
Vidyanagar Post
Bellary District.

Report No: LL/24-25/008803
Issue Date: 02/01/2025.
C. Ref: Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø8mm, Grade: Fe500D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar Ø8mm. Heat No: G986988.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding pullout test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

Cl. No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe500D.	Results
4.2	Chemical composition			
1	Carbon as C	% by mass	0.25 + 0.02 Max.	0.22
2	Sulphur as S	% by mass	0.040 + 0.005Max.	0.017
3	Phosphorus as P	% by mass	0.040 + 0.005Max.	0.021
4	Manganese as Mn	% by mass	---	0.80
5	Sulphur + Phosphorus	% by mass	0.075+ 0.010 Max.	0.038
6	Silicon as Si	% by mass	---	0.25
7	Carbon equivalent, CE		0.50 Max	0.37
8	Micro-alloying elements (Nb+V+Ti+B)	% by mass	0.30 Max.	0.002
9	Nitrogen Content	% by mass	0.012 Max.	0.007
4.3	Rolling and cold working of bars/wires		The bars/wires shall be well and cleanly rolled and shall be sound and free from surface defects and pipe.	Bars are well and cleanly rolled, sound. Free from surface defects and pipe.
5.0	Requirements for Bond (Deformation and surface characteristics)			
5.3	The mean projected rib area per unit length	mm ² /mm	0.12 Ø for Ø < 10mm (i.e., 0.96 Min.)	1.13
5.5	The mean projected area of transverse rib above	mm ² /mm	Shall not be less than one-third of the value given above. (i.e., 1/3 of 0.96 = 0.32Min)	1.13

AUTHORISED SIGNATORY
M.VIKAS

AUTHORISED SIGNATORY
V.SATHAIAH

Note: This report is subject to the terms and conditions mentioned overleaf 116878

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TEST REPORT

F-01-MSP7.8-TRP

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Issued to:
JSW STEELS LIMITED,
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Report No: LL/24-25/008803
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C. Ref: Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø8mm, Grade: Fe500D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar Ø8mm. Heat No: G986988.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding pullout test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

Cl. No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe500D.	Results
6.0	Nominal Sizes			
6.1	Nominal size of bar	mm	8.0	8.0
6.2	Nominal cross-sectional area	mm ²	50.3	48.5
6.3	Mass per metre	kg	0.395 - 8%	0.381
8 & 9	Physical properties			
9.2 (i)	TS/YS Ratio	---	≥ 1.10 (but TS not less than 565 N/mm ²)	1.14 (TS 682 N/mm ²)
(ii)	0.2% Proof Stress/Yield Stress	N/mm ²	500 Min	596
(iii)	Elongation on 5.65√S ₀ mm Gauge Length	Percent	16.0 Min.	23.0
(iv)	Total elongation at maximum force on 5.65 √S ₀ mm GL	Percent	5 Min.	9.5
9.3	Bend Test	Visual	Pass the test if there is no rupture or cracks in the bent portion.	No rupture or cracks observed.
9.4	Rebend Test	Visual	Pass the test if there is no rupture or cracks in the rebent portion.	No rupture or cracks observed.

AUTHORISED SIGNATORY
V.SATHAIAH

REVIEWED BY

Note: This report is subject to the terms and conditions mentioned overleaf 116879

Third Party Test Report - 8mm, Fe 550D - Vijaynagar

LUCID Laboratories Pvt. Ltd.
Testing to the Core

TEST REPORT

F-01-MSP7.8-TRP

Plot No. 3, IDA, Balanagar,
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Issued to:
JSW STEELS LIMITED,
Vijayanagar Works
Toranagallu (V) - 583275
Vidyanagar Post
Bellary District.

Report No: LL/24-25/008804
Issue Date: 02/01/2025.
C. Ref: Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø8mm, Grade: Fe550D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar Ø8mm. Heat No: A59699.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding Pullout Test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

CL No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe550D.	Results
4.2	Chemical composition			
1	Carbon as C	% by mass	0.25 + 0.02 Max.	0.20
2	Sulphur as S	% by mass	0.040 + 0.005Max.	0.018
3	Phosphorus as P	% by mass	0.040 + 0.005Max.	0.027
4	Manganese as Mn	% by mass	---	0.72
5	Sulphur + Phosphorus	% by mass	0.075+ 0.010 Max.	0.045
6	Silicon as Si	% by mass	---	0.25
7	Carbon equivalent, CE		0.61 Max.	0.35
8	Micro-alloying elements (Nb+V+Ti+B)	% by mass	0.30 Max.	0.003
9	Nitrogen Content	% by mass	0.012 Max.	0.006
4.3	Rolling and cold working of bars/wires		The bars/wires shall be well and cleanly rolled and shall be sound and free from surface defects and pipe.	Bars are well and cleanly rolled, sound. Free from surface defects and pipe.
5.0	Requirements for Bond (Deformation and surface characteristics)			
5.3	The mean projected rib area per unit length	mm ² /mm	0.12 Ø for Ø < 10mm (i.e., 0.96 Min.)	1.39
5.5	The mean projected area of transverse rib above	mm ² /mm	Shall not be less than one-third of the value given above. (i.e., 1/3 of 0.96 = 0.32Min)	1.39

AUTHORISED SIGNATORY M.VIKAS

AUTHORISED SIGNATORY V.SATHAIAH

Note: This report is subject to the terms and conditions mentioned overleaf 116880

LUCID Laboratories Pvt. Ltd.
Testing to the Core

TEST REPORT

F-01-MSP7.8-TRP

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Web: www.lucidlabsindia.com

Issued to:
JSW STEELS LIMITED,
Vijayanagar Works
Toranagallu (V) - 583275
Vidyanagar Post
Bellary District.

Report No: LL/24-25/008804
Issue Date: 02/01/2025.
C. Ref: Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø8mm, Grade: Fe550D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar Ø8mm. Heat No: A59699.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding Pullout Test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

CL No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe550D.	Results
6.0	Nominal Sizes			
6.1	Nominal size of bar	mm	8.0	8.0
6.2	Nominal cross-sectional area	mm ²	50.3	49.2
6.3	Mass per metre	kg	0.395 - 8%	0.386
8 & 9	Physical properties			
9.2 (i)	TS/YS Ratio	---	≥ 1.08 (but TS not less than 600 N/mm ²)	1.14 (TS 686 N/mm ²)
9.2 (ii)	0.2% Proof Stress/Yield Stress	N/mm ²	550 Min	602
9.2 (iii)	Elongation on 5.65 vSo mm Gauge Length	Percent	14.5 Min.	19.9
9.2 (iv)	Total elongation at maximum force on 5.65 vSo mm GL	Percent	5 Min.	8.4
9.3	Bend Test	Visual	Pass the test if there is no rupture or cracks in the bent portion.	No rupture or cracks observed.
9.4	Rebend Test	Visual	Pass the test if there is no rupture or cracks in the rebent portion.	No rupture or cracks observed.

AUTHORISED SIGNATORY V.SATHAIAH

AUTHORISED SIGNATORY REVIEWED BY

Note: This report is subject to the terms and conditions mentioned overleaf 116881

LUCID
Laboratories Pvt. Ltd.
Testing to the Core

TEST REPORT

F-01-MSP7.8-TRP

Plot No. 3, IDA, Balanagar,
Hyderabad - 500 037, Telangana.
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Web: www.lucidlabsindia.com

TEST REPORT

Issued to:
JSW STEELS LIMITED,
Vijayanagar Works
Toranagallu (V) - 583275
Vidyanagar Post
Bellary District.

Report No: LL/24-25/008805
Issue Date: 02/01/2025.
C. Ref: Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø16mm, Grade: Fe500D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar 16mm. Heat No: A3082644.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding Pullout Test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

Cl. No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe500D.	Results
4.2	Chemical composition			
1	Carbon as C	% by mass	0.25 + 0.02 Max.	0.21
2	Sulphur as S	% by mass	0.040 + 0.005Max.	0.018
3	Phosphorus as P	% by mass	0.040 + 0.005Max.	0.019
4	Manganese as Mn	% by mass	---	0.74
5	Sulphur + Phosphorus	% by mass	0.075+ 0.010 Max.	0.037
6	Silicon as Si	% by mass	---	0.31
7	Carbon equivalent, CE		0.50 Max.	0.34
8	Micro-alloying elements (Nb+V+Ti+B)	% by mass	0.30 Max.	0.003
9	Nitrogen Content	% by mass	0.012 Max.	0.007
4.3	Rolling and cold working of bars/wires		The bars/wires shall be well and cleanly rolled and shall be sound and free from surface defects and pipe.	Bars are well and cleanly rolled, sound. Free from surface defects and pipe.
5.0	Requirements for Bond (Deformation and surface characteristics)			
5.3	The mean projected rib area per unit length	mm ² /mm	0.15 Ø for < Ø < 16mm (i.e., 2.40 Min.)	2.75
5.5	The mean projected area of transverse rib above	mm ² /mm	Shall not be less than one-third of the value given above. (i.e., 1/3 of 2.40 = 0.80Min.)	2.75

M.VIKAS
M.VIKAS
AUTHORISED SIGNATORY

V.SATHIAH
V.SATHIAH
AUTHORISED SIGNATORY

Page 1 of 2

Note: This report is subject to the terms and conditions mentioned overleaf 116882

LUCID
Laboratories Pvt. Ltd.
Testing to the Core

TEST REPORT

F-01-MSP7.8-TRP

Plot No. 3, IDA, Balanagar,
Hyderabad - 500 037, Telangana.
Ph: 040-6904 2222/10 Lines
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Web: www.lucidlabsindia.com

TEST REPORT

Issued to:
JSW STEELS LIMITED,
Vijayanagar Works
Toranagallu (V) - 583275
Vidyanagar Post
Bellary District.

Report No: LL/24-25/008805
Issue Date: 02/01/2025.
C. Ref: Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø16mm, Grade: Fe500D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar Ø16mm. Heat No: A3082644.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding Pullout Test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

Cl. No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe500D.	Results
6.0	Nominal Sizes			
6.1	Nominal size of bar	mm	16.0	16.0
6.2	Nominal cross-sectional area	mm ²	201.2	193.3
6.3	Mass per metre	kg	1.58 - 6%	1.52
8 & 9	Physical properties			
9.2 (i)	TS/YS Ratio	---	≥ 1.10 (but TS not less than 565 N/mm ²)	1.17 (TS 651 N/mm ²)
(ii)	0.2% Proof Stress/Yield Stress	N/mm ²	500 Min	555
(iii)	Elongation on 5.65√So mm Gauge Length	Percent	16.0 Min.	20.9
(iv)	Total elongation at maximum force on 5.65 vSo mm GL.	Percent	5 Min.	9.4
9.3	Bend Test	Visual	Pass the test if there is no rupture or cracks in the bent portion.	No rupture or cracks observed.
9.4	Rebend Test	Visual	Pass the test if there is no rupture or cracks in the rebent portion.	No rupture or cracks observed.

M.VIKAS
M.VIKAS
AUTHORISED SIGNATORY

V.SATHIAH
V.SATHIAH
AUTHORISED SIGNATORY

Page 2 of 2

Note: This report is subject to the terms and conditions mentioned overleaf 116890

LUCID
Testing to the Core

TEST REPORT

F-01-MSP7.8-TRP

Plot No. 3, IDA, Balanagar,
Hyderabad - 500 037, Telangana.
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Issued to:
JSW STEELS LIMITED,
Vijayanagar Works
Toranagallu (V) - 583275
Vidyanagar Post
Bellary District.

Report No: LL/24-25/008806
Issue Date: 02/01/2025.
C. Ref: Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø16mm, Grade: Fe550D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar 16mm. Heat No: A3082511.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding Pullout Test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

Cl. No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe550D.	Results
4.2	Chemical composition			
1	Carbon as C	% by mass	0.25 + 0.02 Max.	0.22
2	Sulphur as S	% by mass	0.040 + 0.005Max.	0.015
3	Phosphorus as P	% by mass	0.040 + 0.005Max.	0.020
4	Manganese as Mn	% by mass	---	0.82
5	Sulphur + Phosphorus	% by mass	0.075+ 0.010 Max.	0.035
6	Silicon as Si	% by mass	---	0.23
7	Carbon equivalent, CE		0.61 Max.	0.37
8	Micro-alloying elements (Nb+V+Ti+B)	% by mass	0.30 Max.	0.002
9	Nitrogen as N	% by mass	0.012 Max.	0.008
4.3	Rolling and cold working of bars/wires		The bars/wires shall be well and cleanly rolled and shall be sound and free from surface defects and pipe.	Bars are well and cleanly rolled, sound. Free from surface defects and pipe.
5.0	Requirements for Bond (Deformation and surface characteristics)			
5.3	The mean projected rib area per unit length	mm ² /mm	0.15 Ø for < Ø < 16mm (i.e., 2.40 Min.)	3.35
5.5	The mean projected area of transverse rib above	mm ² /mm	Shall not be less than one-third of the value given above. (i.e., 1/3 of 2.40 = 0.80Min)	3.35

M.VIKAS
AUTHORISED SIGNATORY

V.SATHAIAH
AUTHORISED SIGNATORY

Page 1 of 2

Note: This report is subject to the terms and conditions mentioned overleaf **116884**

LUCID
Testing to the Core

TEST REPORT

F-01-MSP7.8-TRP

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Issued to:
JSW STEELS LIMITED,
Vijayanagar Works
Toranagallu (V) - 583275
Vidyanagar Post
Bellary District.

Report No: LL/24-25/008806
Issue Date: 02/01/2025.
C. Ref: Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø16mm, Grade: Fe550D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar Ø16mm. Heat No: A3082511.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding Pullout Test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

Cl. No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe550D.	Results
6.0	Nominal Sizes			
6.1	Nominal size of bar	mm	16.0	16.0
6.2	Nominal cross-sectional area	mm ²	201.2	199.7
6.3	Mass per metre	kg	1.58 - 6%	1.57
8 & 9	Physical properties			
9.2 (i)	TS/YS Ratio	---	≥ 1.08 (but TS not less than 600 N/mm ²)	1.14 (TS 701 N/mm ²)
(ii)	0.2% Proof Stress/Yield Stress	N/mm ²	550 Min	617
(iii)	Elongation on 5.65 vSo mm Gauge Length	Percent	14.5 Min.	24.8
(iv)	Total elongation at maximum force on 5.65 vSo mm GL.	Percent	5 Min.	8.9
9.3	Bend Test	Visual	Pass the test if there is no rupture or cracks in the bent portion.	No rupture or cracks observed.
9.4	Rebend Test	Visual	Pass the test if there is no rupture or cracks in the rebent portion.	No rupture or cracks observed.

Method of testing: As per IS:8811-1998(RA2012), IS: 1608(P1)-2022, IS: 2770(Part-I), IS: 1599-2023 & IS: 1786-2008(RA 2018).
Note: The report and results relate only to the samples/items tested.

V.SATHAIAH
AUTHORISED SIGNATORY

REVIEWED BY

Page 2 of 2

Note: This report is subject to the terms and conditions mentioned overleaf **116885**

LUCID
Laboratories Pvt. Ltd.
Testing to the Core

TEST REPORT

F-01-MSP7.8-TRP

Plot No. 3, IDA, Balanagar,
Hyderabad - 500 037, Telangana.
Ph: 040-6904 2222/10 Lines
E-mail: info@lucidlabsindia.com
Web: www.lucidlabsindia.com

TEST REPORT

Report No: LL/24-25/008807
Issue Date: 02/01/2025.
C. Ref: Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø32mm, Grade: Fe500D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar 32mm. Heat No: A3083087.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding Pullout Test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

Cl. No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe500D.	Results
4.2	Chemical composition			
1	Carbon as C	% by mass	0.25 + 0.02 Max.	0.21
2	Sulphur as S	% by mass	0.040 + 0.005Max.	0.021
3	Phosphorus as P	% by mass	0.040 + 0.005Max.	0.022
4	Manganese as Mn	% by mass	---	0.78
5	Sulphur + Phosphorus	% by mass	0.075+ 0.010 Max.	0.043
6	Silicon as Si	% by mass	---	0.20
7	Carbon equivalent, CE		0.50 Max	0.35
8	Micro-alloying elements (Nb+V+Ti+B)	% by mass	0.30 Max.	0.002
9	Nitrogen Content	% by mass	0.012 Max.	0.007
4.3	Rolling and cold working of bars/wires		The bars/wires shall be well and cleanly rolled and shall be sound and free from surface defects and pipe.	Bars are well and cleanly rolled, sound. Free from surface defects and pipe.
5.0	Requirements for Bond (Deformation and surface characteristics)			
5.3	The mean projected rib area per unit length	mm ² /mm	0.17 Ø for Ø > 16mm (i.e., 5.44 Min.)	5.78
5.5	The mean projected area of transverse rib above	mm ² /mm	Shall not be less than one-third of the value given above. (i.e., 1/3 of 4.25 = 1.81Min)	5.78

AUTHORISED SIGNATORY
M.VIKAS
V.SATHAIAH

Page 1 of 2

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Note: This report is subject to the terms and conditions mentioned overleaf

LUCID
Laboratories Pvt. Ltd.
Testing to the Core

TEST REPORT

F-01-MSP7.8-TRP

Plot No. 3, IDA, Balanagar,
Hyderabad - 500 037, Telangana.
Ph: 040-6904 2222/10 Lines
E-mail: info@lucidlabsindia.com
Web: www.lucidlabsindia.com

TEST REPORT

Report No: LL/24-25/008807
Issue Date: 02/01/2025.
C. Ref: Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø32mm, Grade: Fe500D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar Ø16mm. Heat No: A3083087.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding Nitrogen).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

Cl. No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe500D.	Results
6.0	Nominal Sizes			
6.1	Nominal size of bar	mm	32.0	32.0
6.2	Nominal cross-sectional area	mm ²	804.6	807.6
6.3	Mass per metre	kg	6.31 - 4%	6.34
8 & 9	Physical properties			
9.2 (i)	TS/YS Ratio	---	≥ 1.10 (but TS not less than 565 N/mm ²)	1.19 (TS 706 N/mm ²)
(ii)	0.2% Proof Stress/Yield Stress	N/mm ²	500 Min	591
(iii)	Elongation on 5.65 vSo mm Gauge Length	Percent	16.0 Min.	18.4
(iv)	Total elongation at maximum force on 5.65 vSo mm GL	Percent	5 Min.	8.4
9.3	Bend Test	Visual	Pass the test if there is no rupture or cracks in the bent portion.	No rupture or cracks observed.
9.4	Rebend Test	Visual	Pass the test if there is no rupture or cracks in the rebent portion.	No rupture or cracks observed.

Method of testing: As per IS:8811-1998(RA2012), IS: 1608(P1)-2022, IS: 2770(Part-1), IS: 1599-2023 & IS: 1786-2008(RA 2018).
Note: The report and results relate only to the samples/items tested.

AUTHORISED SIGNATORY
V.SATHAIAH

Page 2 of 2

116887

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Third Party Test Report - 32mm, Fe 550D - Vijaynagar

LUCID
Laboratories Pvt. Ltd.
Testing to the Core

TEST REPORT

F-01-MSP7.8-TRP

Plot No. 3, IDA, Balanagar,
Hyderabad - 500 037, Telangana.
Ph: 040-6904 2222/10 Lines
E-mail: info@lucidlabsindia.com
Web: www.lucidlabsindia.com

Issued to:
JSW STEELS LIMITED,
Vijayanagar Works
Toranagallu (V) - 583275
Vidyanagar Post
Bellary District.

Report No: LL/24-25/008808
Issue Date: 02/01/2025.
C. Ref. Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø32mm, Grade: Fe550D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar 32mm. Heat No: A3082413.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding Pullout Test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

Cl. No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe550D.	Results
4.2	Chemical composition			
1	Carbon as C	% by mass	0.25 + 0.02 Max.	0.22
2	Sulphur as S	% by mass	0.040 + 0.005Max.	0.016
3	Phosphorus as P	% by mass	0.040 + 0.005Max.	0.023
4	Manganese as Mn	% by mass	---	0.83
5	Sulphur + Phosphorus	% by mass	0.075+ 0.010 Max.	0.039
6	Silicon as Si	% by mass	---	0.23
7	Carbon equivalent, CE		0.61 Max.	0.37
8	Micro-alloying elements (Nb+V+Ti+B)	% by mass	0.30 Max.	0.002
9	Nitrogen Content	% by mass	0.012 Max.	0.008
4.3	Rolling and cold working of bars/wires		The bars/wires shall be well and cleanly rolled and shall be sound and free from surface defects and pipe.	Bars are well and cleanly rolled, sound. Free from surface defects and pipe.
5.0	Requirements for Bond (Deformation and surface characteristics)			
5.3	The mean projected rib area per unit length	mm ² /mm	0.17 Ø for Ø > 16mm (i.e., 5.44 Min.)	6.11
5.5	The mean projected area of transverse rib above	mm ² /mm	Shall not be less than one-third of the value given above, (i.e., 1/3 of 5.44 = 1.81Min)	6.11

M. VIKAS
M. VIKAS
AUTHORISED SIGNATORY

JUDAY KUMAR
JUDAY KUMAR
AUTHORISED SIGNATORY

Page 1 of 2

117885

Note: This report is subject to the terms and conditions mentioned overleaf

LUCID
Laboratories Pvt. Ltd.
Testing to the Core

TEST REPORT

F-01-MSP7.8-TRP

Plot No. 3, IDA, Balanagar,
Hyderabad - 500 037, Telangana.
Ph: 040-6904 2222/10 Lines
E-mail: info@lucidlabsindia.com
Web: www.lucidlabsindia.com

Issued to:
JSW STEELS LIMITED,
Vijayanagar Works
Toranagallu (V) - 583275
Vidyanagar Post
Bellary District.

Report No: LL/24-25/008808
Issue Date: 02/01/2025.
C. Ref. Letter.
Ref. Date: 11/12/2024.

Sample Particulars: TMT BAR-Ø32mm, Grade: Fe550D. BRAND NAME: JSW NEO STEEL.

Sample Description: TMT Bar Ø32mm. Heat No: A3082413.
Quantity: 1 Set (1mtr x 3Nos). Packing: Loose, Sample Condition: Ambient.
Test Required: All tests as per IS:1786-2008(RA 2018) with amendment Nos 1 to 4 (Excluding Pullout Test).
Date of receipt of sample : 14/12/2024.
Date of starting of analysis : 16/12/2024.
Date of completion of analysis : 27/12/2024.

TEST RESULTS

Cl. No	Test Parameters	UOM	Requirements as per IS: 1786-2008(RA 2018) with amendment Nos 1 to 4, Grade: Fe550D.	Results
6.0	Nominal Sizes			
6.1	Nominal size of bar	mm	32.0	32.0
6.2	Nominal cross-sectional area	mm ²	804.6	800.0
6.3	Mass per metre	kg	6.31 - 4%	6.28
8 & 9	Physical properties			
9.2 (i)	TS/YS Ratio	---	≥ 1.08 (but TS not less than 600 N/mm ²)	1.23 (TS 731 N/mm ²)
(ii)	0.2% Proof Stress/Yield Stress	N/mm ²	550 Min	594
(iii)	Elongation on 5.65√So mm Gauge Length	Percent	14.5 Min.	20.3
(iv)	Total elongation at maximum force on 5.65 √So mm GL	Percent	5 Min.	9.6
9.3	Bend Test	Visual	Pass the test if there is no rupture or cracks in the bent portion.	No rupture or cracks observed.
9.4	Rebend Test	Visual	Pass the test if there is no rupture or cracks in the rebent portion.	No rupture or cracks observed.

Method of testing: As per IS:8811-1998(RA2012), IS: 1608(P1)-2022, IS: 2770(Part-1), IS: 1599-2023 & IS: 1786-2008(RA 2018).
Note: The report and results relate only to the samples/items tested.

REVIEWED BY
JUDAY KUMAR
AUTHORISED SIGNATORY

Page 2 of 2

117886

Note: This report is subject to the terms and conditions mentioned overleaf



For any other communication

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

Address: Mumbai Branch Office-II-5th Floor, MTNL CETTM Technology Street,, Hiranandani Garden, Powai , Mumbai,400076, Mumbai, MUMBAI CITY,MAHARASHTRA,400076

Phone: 02228329295
Fax: 02228264352
E-Mail: mubo2@bis.gov.in
Web: www.bis.org.in, www.manakonline.in

BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 7700043212

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
7700043212	JSW STEEL LIMITED - GEETAPURAM,DOLVI, , PEN : 402107	High strength deformed steel bars and wires for concrete reinforcement-	IS 1786 : 2008

Endorsement No. 17 Dated 22-Jan-2025

Whereas, the licence was valid upto Ninth March Two Thousand Twenty Five.

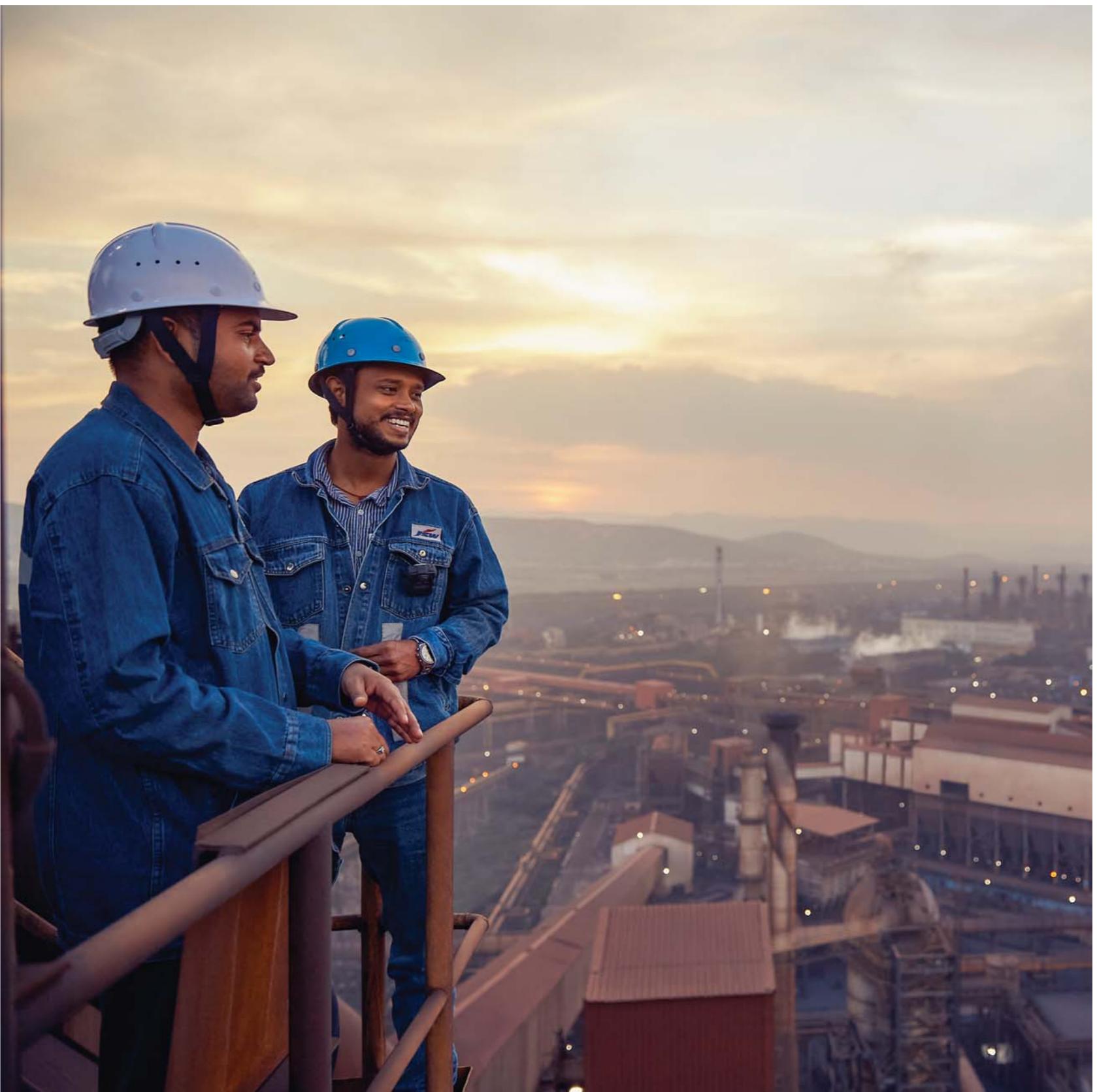
Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 08-MAR-2025 has been extended from Ninth March Two Thousand Twenty Five to Eighth March Two Thousand Twenty Six

Other terms and conditions of licence remain same.

Branch Head (Mumbai Branch Office-II)

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, ,9 Bahadur Shah Zafar Marg, ,DELHI,110002

Contact No: +91 11 23230131, 23233375, Fax: +91 11 23234062, 232 Email: info@bis.gov.in



Third Party Test Report - 16mm, Fe 550D - Dolvi

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Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: -, Rev. Date: _____

TEST REPORT

Test Report Issued To:

JSW STEEL LIMITED, DOLVI WORKS
GEETAPURAM, DOLVI, TALUKA PEN.,
DIST. RAIGAD, MAHARASHTRA, INDIA,
RAIGAD, MAHARASHTRA - 400706,
INDIA

Test Report No: A1M250213011/M250213011-41
Issue Date: 07-Mar-2025
Sample Booking/Receipt Date: 13-Feb-2025
Test Start Date: 14-Feb-2025
Test Completion Date: 17-Feb-2025

Customer Relationship Number M29516

Sample Description :
16MM DIA TMT BAR, GRADE - FE 550D, BID - 24BBD13724, HEAT NO. - 24404676





Customer Reference No : TRF DT. 13/02/2025, PO NO. DOLVI-HL/24-25/4500202896

Amendment Report to Test Report No:M250213011/M250213011-41 Dated: 18-02-2025

Kind Attention : MR. ATUL
E-Mail: atul.thorat@jsw.in

Contact No: 8805022629

Sample Condition : Good
Sample Quantity (Approx) : 3 - Nos
Sample Size (Approx) : 1000 - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED


ULR-TC816325000002062F


Digitally signed by
Salish Bhaskar
Date: 2025.02.17
15:29:44+05:30
Report Issued By

Authenticity of report can be verified by mail at verification@spectrolab.in
This is a Digitally Signed Report and hence doesn't require Physical Signature.

Legal Entity: Spectro SSA Labs Private Limited, CIN : U74990DL2010PTC354497
(part of Eurofins Scientific SE)
R-489, TTC Industrial Area, MIDC, Rabale, Navi Mumbai-400701 (India)
+91-22-25893335 | www.spectro.in | care.mumbai@spectro.in

ISO 14001:2015, ISO 9001:2015 and ISO 45001:2018 Certified Laboratory

Page 1 of 5

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Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: -, Rev. Date: _____

Report No A1M250213011/M250213011-41

TEST REPORT

ID-M250213011-4
Discipline: Mechanical
Group: Building Infrastructure & Construction Materials
Dia-16mm
Sample Condition: Un-Machined
Temperature at 26.6°C

Properties	Observed Value	Required Value	Test Method	Conformity
(As per IS:1786-2008, Grade Fe-550D)				
Physical Properties				
Ultimate Tensile Strength (N/mm ²)	747.0	≥1.08, but TS not less than 600.0	IS:1608 (P1)-2022	Yes
TS/YS ratio	1.15			Yes
Yield Stress (N/mm ²)	651.0	550.0 Min.		Yes
Elongation at break (%) on gauge length	22.0	14.5 Min.		Yes
Bend Test (180°x4D)	No rupture or crack Observed	The specimen shall be considered to have passed if there is no rupture or Cracks visible to a person of normal or corrected vision on the bent portion.	IS:1599-2023	Yes
Rebend Test (135°,157.5°x7D)	No rupture or crack Observed	The specimen shall be considered to have passed if there is no rupture or Cracks visible to a person of normal or corrected vision on the rebent portion.	IS:1786-2008	Yes
Mass Per Meter Run (Kg)	1.56	1.58±5%	IS:1786-2008	Yes


Salish Bhaskar
Reviewed By


TC-8163

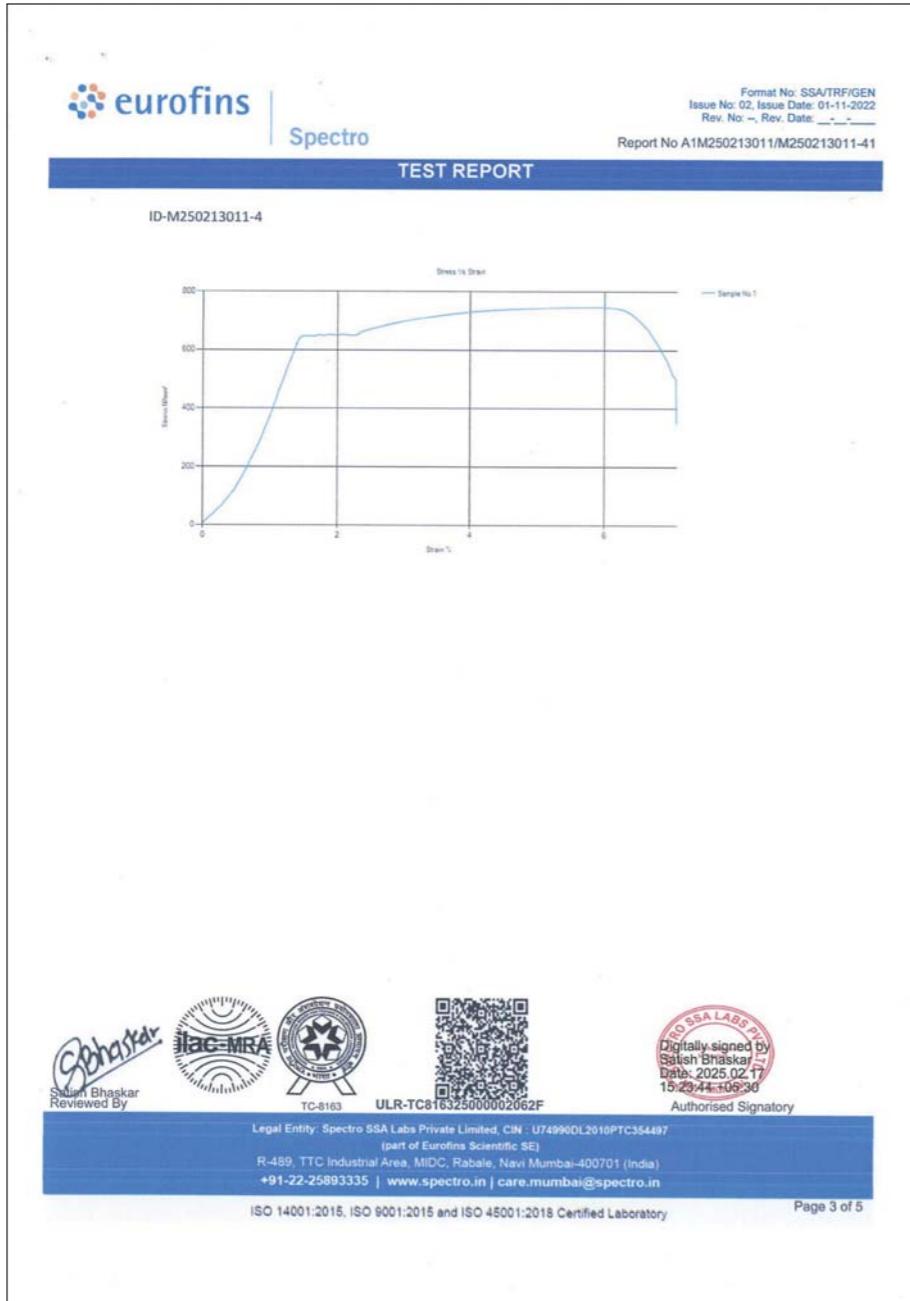

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Digitally signed by
Salish Bhaskar
Date: 2025.02.17
15:29:44+05:30
Authorised Signatory

Legal Entity: Spectro SSA Labs Private Limited, CIN : U74990DL2010PTC354497
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Page 2 of 5



Third Party Test Report - 16mm, Fe 550D - Dolvi



Format No: SSA/TRF/GEN
 Issue No:02, Issue Date:01-11-2022
 Rev. No:--, Rev. Date:_____

TEST REPORT

Test Report Issued To:

JSW STEEL LIMITED, DOLVI WORKS

GEETAPURAM, DOLVI, TALUKA PEN.,
 DIST. RAIGAD, MAHARASHTRA, INDIA,
 RAIGAD, MAHARASHTRA - 400706,
 INDIA

Test Report No: A1M250213011/M250213011-40

Issue Date: 07-Mar-2025

Sample Booking/Receipt Date: 13-Feb-2025

Test Start Date: 14-Feb-2025

Test Completion Date: 17-Feb-2025

Customer Relationship Number M29516

Sample Description :

16MM DIA TMT BAR, GRADE - FE 550D, BID - 24BBD13724, HEAT NO. - 24404676

Customer Reference No :
 TRF DT. 13/02/2025, PO NO. DOLVI-HL/24-25/4500202896

Amendment Report to Test Report
 No:M250213011/M250213011-40 Dated:
 18-02-2025

Kind Attention : MR. ATUL

E-Mail: atul.thorat@jsw.in

Contact No: 8805022629

Sample Condition : Good

Sample Quantity (Approx) : 3 - Nos

Sample Size (Approx) : 1000 - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED

Report Issued By

Authenticity of report can be verified by mail at verification@spectrolab.in
 This is a Digitally Signed Report and hence doesn't require Physical Signature.

Legal Entity: Spectro SSA Labs Private Limited, CIN : U74990DL2010PTC354497

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Page 1 of 4



 Format No: SSA/TRF/GEN
 Issue No: 02, Issue Date: 01-11-2022
 Rev. No: ~, Rev. Date: ~

Report No A1M250213011/M250213011-40

TEST REPORT

ID-M250213011-4

Discipline: Mechanical

Group: Building Infrastructure & Construction Materials

Dia-16mm

Sample Condition: Un-Machined

Temperature at 26.6°C

Properties	Observed Value	Test Method
Mean projected rib area per unit area (mm ² /mm)	4.12	IS:1786-2008
Effective cross-sectional area(mm ²)	198.73	



 Reviewed By



 Digitally signed by
 Salish Bhaskar
 Date: 2025.02.17
 15:23:52 +05'30
 Authorised Signatory

Legal Entity: Spectro SSA Labs Private Limited, CIN: U74990DL2010PTC354497
 (part of Eurofins Scientific SE)
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 Format No: SSA/TRF/GEN
 Issue No: 02, Issue Date: 01-11-2022
 Rev. No: ~, Rev. Date: ~

Report No A1M250213011/M250213011-40

TEST REPORT

ID- M250213011-4

Discipline: Chemical

Group: Metals & alloys

Parameters	Observed Value	Test Method
Nitrogen, %	0.006	IS:228(Part 19) 1998



 Reviewed By



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 Savalisha Rane
 Date: 2025.03.07
 15:23:32 +05'30
 Authorised Signatory

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Page 3 of 4

Third Party Test Report - 20mm, Fe 550D - Dolvi



Format No: SSA/TRF/GEN
 Issue No:02, Issue Date: 01-11-2022
 Rev. No: --, Rev. Date: --

TEST REPORT

Test Report Issued To:

JSW STEEL LIMITED, DOLVI WORKS

GEETAPURAM, DOLVI, TALUKA PEN.,
 DIST. RAIGAD, MAHARASHTRA, INDIA,
 RAIGAD, MAHARASHTRA - 400706,
 INDIA

Test Report No: A1M250213011/M250213011-51

Issue Date: 07-Mar-2025

Sample Booking/Receipt Date: 13-Feb-2025

Test Start Date: 14-Feb-2025

Test Completion Date: 17-Feb-2025



Customer Relationship Number M29516

Sample Description :

20MM DIA TMT BAR, GRADE - FE 550D, BID - 24CBD22672, HEAT NO. - 24305077



Customer Reference No :
 TRF DT. 13/02/2025, PO NO. DOLVI-HL/24-25/4500202896

Amendment Report to Test Report
 No:M250213011/M250213011-51 Dated:
 18-02-2025

Kind Attention : MR. ATUL

E-Mail: atul.thorat@jsw.in

Contact No: 8805022629

Sample Condition : Good

Sample Quantity (Approx) : 3 - Nos

Sample Size (Approx) : 1000 - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



ULR-TC816325000002064F

Authenticity of report can be verified by mail at verification@spectrolab.in
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Report Issued By

Legal Entity: Spectro SSA Labs Private Limited, CIN : U74990DL2010PTC354497
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Page 1 of 5

Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: - Rev. Date: -

Report No A1M250213011/M250213011-51

TEST REPORT

ID-M250213011-5

Discipline: Mechanical

Group: Building Infrastructure & Construction Materials

Dia: 20mm

Sample Condition: Un-Machined

Temperature at 26.6°C

Properties	Observed Value	Required Value	Test Method	Conformity
(As per IS:1786-2008, Grade Fe-550D)				
Physical Properties				
Ultimate Tensile Strength (N/mm ²)	765.0	≥1.08, but TS not less than 600.0	IS:1608 (P1)-2022	Yes
TS/YS ratio	1.16			Yes
Yield Stress (N/mm ²)	657.0	550.0 Min.		Yes
Elongation at break (%) on gauge length	20.0	14.5 Min.		Yes
Bend Test (180°x4D)	No rupture or crack Observed	The specimen shall be considered to have passed if there is no rupture or Cracks visible to a person of normal or corrected vision on the bent portion.	IS:1599-2023	Yes
Rebend Test (135°,157.5°x7D)	No rupture or crack Observed	The specimen shall be considered to have passed if there is no rupture or Cracks visible to a person of normal or corrected vision on the rebent portion.	IS:1786-2008	Yes
Mass Per Meter Run (Kg)	2.43	2.47±3%	IS:1786-2008	Yes

Salish Bhaskar
Salish Bhaskar
Reviewed By


ILAC-MRA


ISO 9001:2015


ISO 14001:2015

TC-8163 ULR-TC816325000002064F

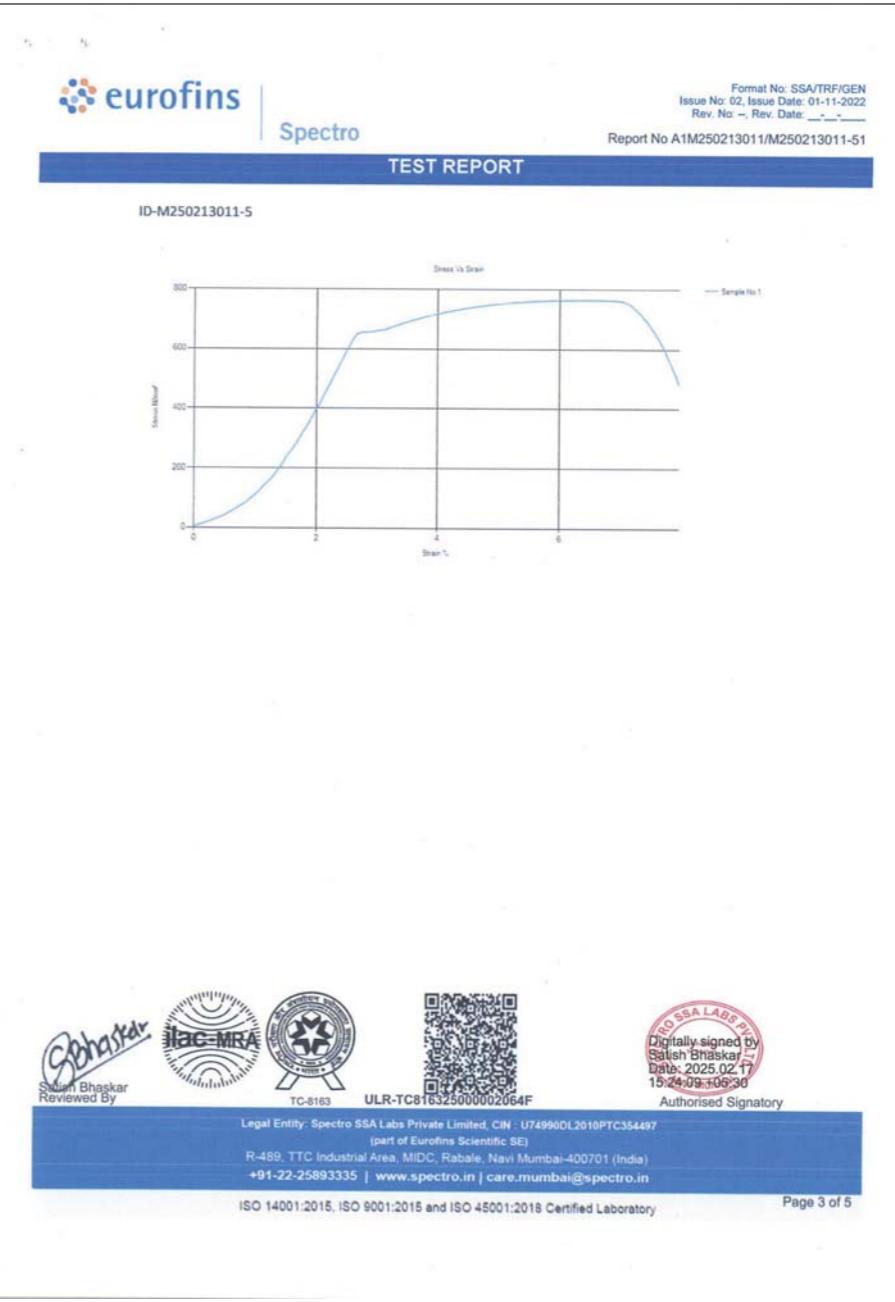


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Digitally signed by
Salish Bhaskar
Date: 2025.02.17
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Page 2 of 5



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Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: -, Rev. Date: - - -

Report No A1M250213011/M250213011-51

TEST REPORT

ID- M250213011-5

Discipline: Chemical
Group: Metals & alloys

Parameters	Observed Value	LOQ	Required Value (as per IS:1786-2008, Grade Fe-550D)	Test Method	Conformity
Chemical Analysis					
Carbon, %	0.20	—	0.25 Max. ^{+0.02(Tolerance)}	IS:8811-1998	Yes
Manganese, %	0.65	—	—		—
Sulphur, %	BLQ	0.008	0.040 Max. ^{+0.005(Tolerance)}		Yes
Phosphorus, %	BLQ	0.008	0.040 Max. ^{+0.005(Tolerance)}		Yes
Silica, % (Killing mode)	0.21	—	—		—
Aluminum, %	BLQ	0.005	—		—
Sulphur & Phosphorus, %	0.016	—	0.075 Max. ^{+0.010(Tolerance)}		By Calculation
CE, %	0.32	—	0.61 Max		Yes

Note-

BLQ-Below the limit of quantification

LOQ is taken for calculation of CE & S+P

LOQ-Limit of quantification

SHAILESH BALKRISHNA RANE
Reviewed By

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Third Party Test Report - 20mm, Fe 550D - Dolvi

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Format No: SSA/TRF/GEN
Issue No 02, Issue Date: 01-11-2022
Rev. No: -, Rev. Date: _____

TEST REPORT

Test Report Issued To:

JSW STEEL LIMITED, DOLVI WORKS
GEETAPURAM, DOLVI, TALUKA PEN.,
DIST. RAIGAD, MAHARASHTRA, INDIA,
RAIGAD, MAHARASHTRA - 400706,
INDIA

Test Report No: A1M250213011/M250213011-50
Issue Date: 07-Mar-2025
Sample Booking/Receipt Date: 13-Feb-2025
Test Start Date: 14-Feb-2025
Test Completion Date: 17-Feb-2025

Customer Relationship Number M29516

Sample Description :
20MM DIA TMT BAR, GRADE - FE 550D, BID - 24CBD22672, HEAT NO. - 24305077

Customer Reference No :
TRF DT. 13/02/2025, PO NO. DOLVI-HU/24-25/4500202896

Amendment Report to Test Report
No:M250213011/M250213011-50 Dated:
18-02-2025

Kind Attention : MR. ATUL
E-Mail: atul.thorat@jsw.in Contact No: 8805022629

Sample Condition : Good
Sample Quantity (Approx) : 3 - Nos Sample Size (Approx) : 1000 - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED






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Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: -, Rev. Date: _____

Report No A1M250213011/M250213011-50

TEST REPORT

ID-M250213011-5
Discipline: Mechanical
Group: Building Infrastructure & Construction Materials
Dia-20mm
Sample Condition: Un-Machined
Temperature at 26.6°C

Properties	Observed Value	Test Method
Mean projected rib area per unit area (mm ² /mm)	4.28	IS:1786-2008
Effective cross-sectional area(mm ²)	309.55	


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Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: -, Rev. Date: ____-____-____

Report No A1M250213011/M250213011-50

TEST REPORT

ID- M250213011-5

Discipline: Chemical
Group: Metals & alloys

<u>Parameters</u>	<u>Observed Value</u>	<u>Test Method</u>
Nitrogen, %	0.004	IS:228(Part 19) 1998

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Third Party Test Report - 25mm, Fe 550D - Dolvi

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Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: -, Rev. Date: -

TEST REPORT

Test Report Issued To:

JSW STEEL LIMITED, DOLVI WORKS
GEETAPURAM, DOLVI, TALUKA PEN.,
DIST. RAIGAD, MAHARASHTRA, INDIA,
RAIGAD, MAHARASHTRA - 400706,
INDIA

Test Report No: A1M250213011/M250213011-61
Issue Date: 07-Mar-2025
Sample Booking/Receipt Date: 13-Feb-2025
Test Start Date: 14-Feb-2025
Test Completion Date: 17-Feb-2025

Customer Relationship Number M29516

Sample Description :
25MM DIA TMT BAR, GRADE - FE 550D, BID - 24CBD17028, HEAT NO. - 24405141



Customer Reference No : TRF DT. 13/02/2025, PO NO. DOLVI-HL/24-25/4500202896
Amendment Report to Test Report No:M250213011/M250213011-61 Dated: 18-02-2025

Kind Attention : MR. ATUL
E-Mail: atul.thorat@jsw.in
Contact No: 8805022629

Sample Condition : Good
Sample Quantity (Approx) : 3 - Nos
Sample Size (Approx) : 1000 - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED

ULR-TC816325000002067F

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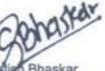
Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: -, Rev. Date: -

Report No A1M250213011/M250213011-61

TEST REPORT

ID-M250213011-6
Discipline: Mechanical
Group: Building Infrastructure & Construction Materials
Dia-25mm
Sample Condition: Un-Machined
Temperature at 26.6°C

Properties	Observed Value	Required Value	Test Method	Conformity
(As per IS:1786-2008 , Grade Fe-550D)				
Physical Properties				
Ultimate Tensile Strength (N/mm ²)	753.0	≥1.08, but TS not less than 600.0	IS:1608 (P1)-2022	Yes
TS/YS ratio	1.19			Yes
Yield Stress (N/mm ²)	635.0	550.0 Min.		Yes
Elongation at break (%) on gauge length	21.5	14.5 Min.		Yes
Bend Test (180°x5D)	No rupture or crack Observed	The specimen shall be considered to have passed if there is no rupture or Cracks visible to a person of normal or corrected vision on the bent portion.	IS:1599-2023	Yes
Rebend Test (135°,157.5°x7D)	No rupture or crack Observed	The specimen shall be considered to have passed if there is no rupture or Cracks visible to a person of normal or corrected vision on the rebent portion.	IS:1786-2008	Yes
Mass Per Meter Run (Kg)	3.88	3.85±3%	IS:1786-2008	Yes


Salish Bhaskar
Reviewed By


TC-8163


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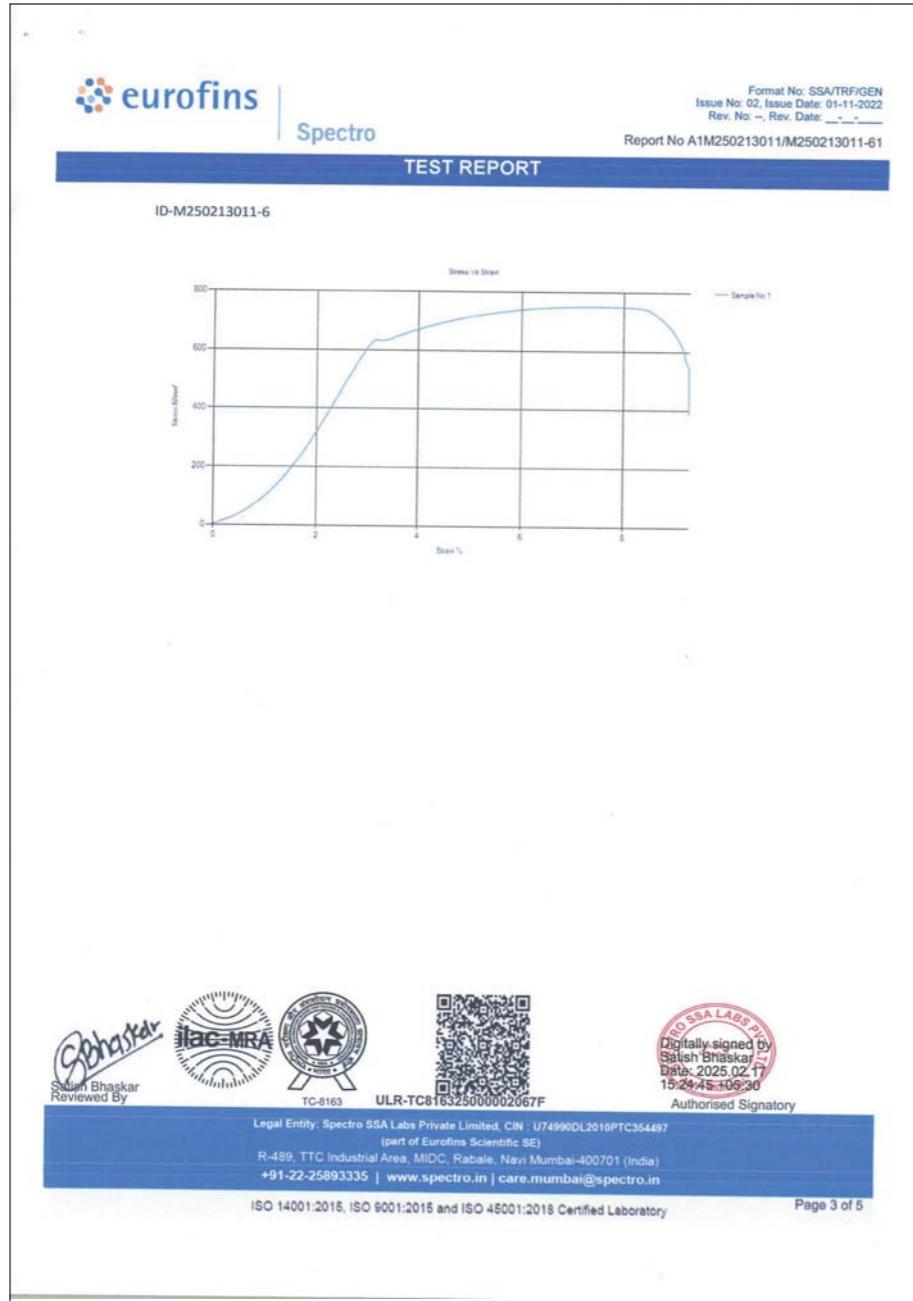
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3rd Party Test Report - 25mm, Fe 550D - Dolvi



Format No SSA/TRF/GEN
 Issue No 02, Issue Date:01-11-2022
 Rev. No. --, Rev. Date: _____

TEST REPORT

Test Report Issued To:

JSW STEEL LIMITED, DOLVI WORKS

GEETAPURAM, DOLVI, TALUKA PEN.,
 DIST. RAIGAD, MAHARASHTRA, INDIA,
 RAIGAD, MAHARASHTRA - 400706,
 INDIA

Test Report No: A1M250213011/M250213011-60

Issue Date: 07-Mar-2025

Sample Booking/Receipt Date: 13-Feb-2025

Test Start Date: 14-Feb-2025

Test Completion Date: 17-Feb-2025

Customer Relationship Number M29516

Sample Description :

25MM DIA TMT BAR, GRADE - FE 550D, BID - 24CBD17028, HEAT NO. - 24405141

Customer Reference No :
 TRF DT. 13/02/2025, PO NO. DOLVI-HL/24-25/4500202896

Amendment Report to Test Report
 No:M250213011/M250213011-60 Dated:
 18-02-2025

Kind Attention : MR. ATUL

E-Mail: atul.thorat@jsw.in

Contact No: 8805022629

Sample Condition : Good

Sample Quantity (Approx) : 3 - Nos

Sample Size (Approx) : 1000 - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED

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 Issue No: 02, Issue Date: 01-11-2022
 Rev. No: ___, Rev. Date: ___/___/___

Report No A1M250213011/M250213011-60

TEST REPORT

ID-M250213011-6

Discipline: Mechanical

Group: Building Infrastructure & Construction Materials

Dia: 25mm

Sample Condition: Un-Machined

Temperature at 26.6°C

Properties	Observed Value	Test Method
Mean projected rib area per unit area (mm ² /mm)	5.25	IS:1786-2008
Effective cross-sectional area(mm ²)	494.27	

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Reviewed By



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 Issue No: 02, Issue Date: 01-11-2022
 Rev. No: ___, Rev. Date: ___/___/___

Report No A1M250213011/M250213011-60

TEST REPORT

ID- M250213011-6

Discipline: Chemical

Group: Metals & alloys

Parameters	Observed Value	Test Method
Nitrogen, %	0.006	IS:228(Part 19) 1998

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Third Party Test Report - 40mm, Fe 550D - Dolvi



Format No: SSA/TRF/GEN
 Issue No: 02, Issue Date: 01-11-2022
 Rev. No: -, Rev. Date: _____

TEST REPORT

Test Report Issued To:

JSW STEEL LIMITED, DOLVI WORKS

GEETAPURAM, DOLVI, TALUKA PEN.,
 DIST. RAIGAD, MAHARASHTRA, INDIA,
 RAIGAD, MAHARASHTRA - 400706,
 INDIA

Test Report No: A1M250213011/M250213011-71

Issue Date: 07-Mar-2025

Sample Booking/Receipt Date: 13-Feb-2025

Test Start Date: 14-Feb-2025

Test Completion Date: 17-Feb-2025

Customer Relationship Number M29516

Sample Description :

40MM DIA TMT BAR, GRADE - FE 550D, BID - 24CBD11089, HEAT NO. - 24105264

Customer Reference No :
 TRF DT. 13/02/2025, PO NO. DOLVI-HL/24-25/4500202896

Amendment Report to Test Report
 No:M250213011/M250213011-71 Dated:
 18-02-2025

Kind Attention : MR. ATUL

E-Mail: atul.thorat@jsw.in

Contact No: 8805022629

Sample Condition : Good

Sample Quantity (Approx) : 3 - Nos

Sample Size (Approx) : 1000 - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED

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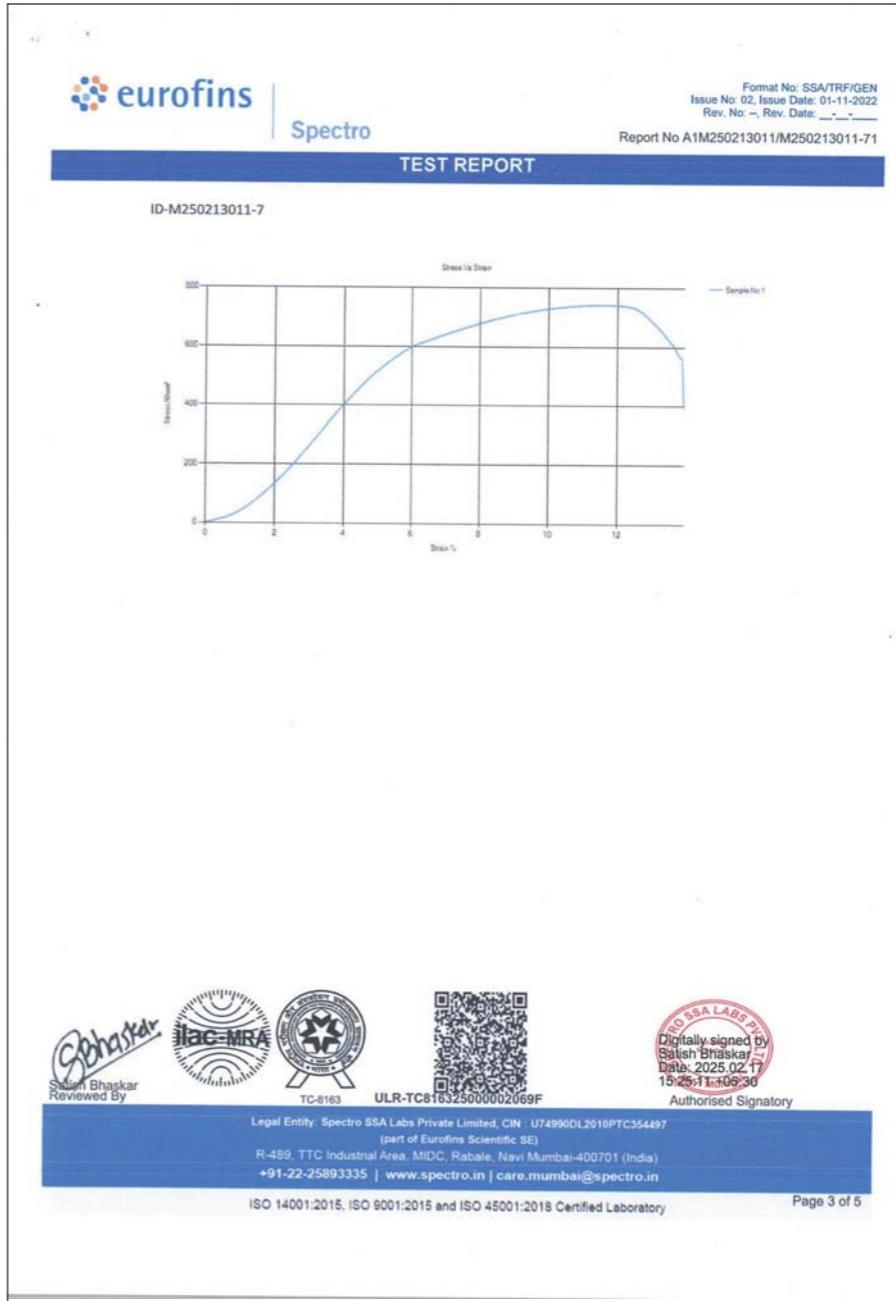
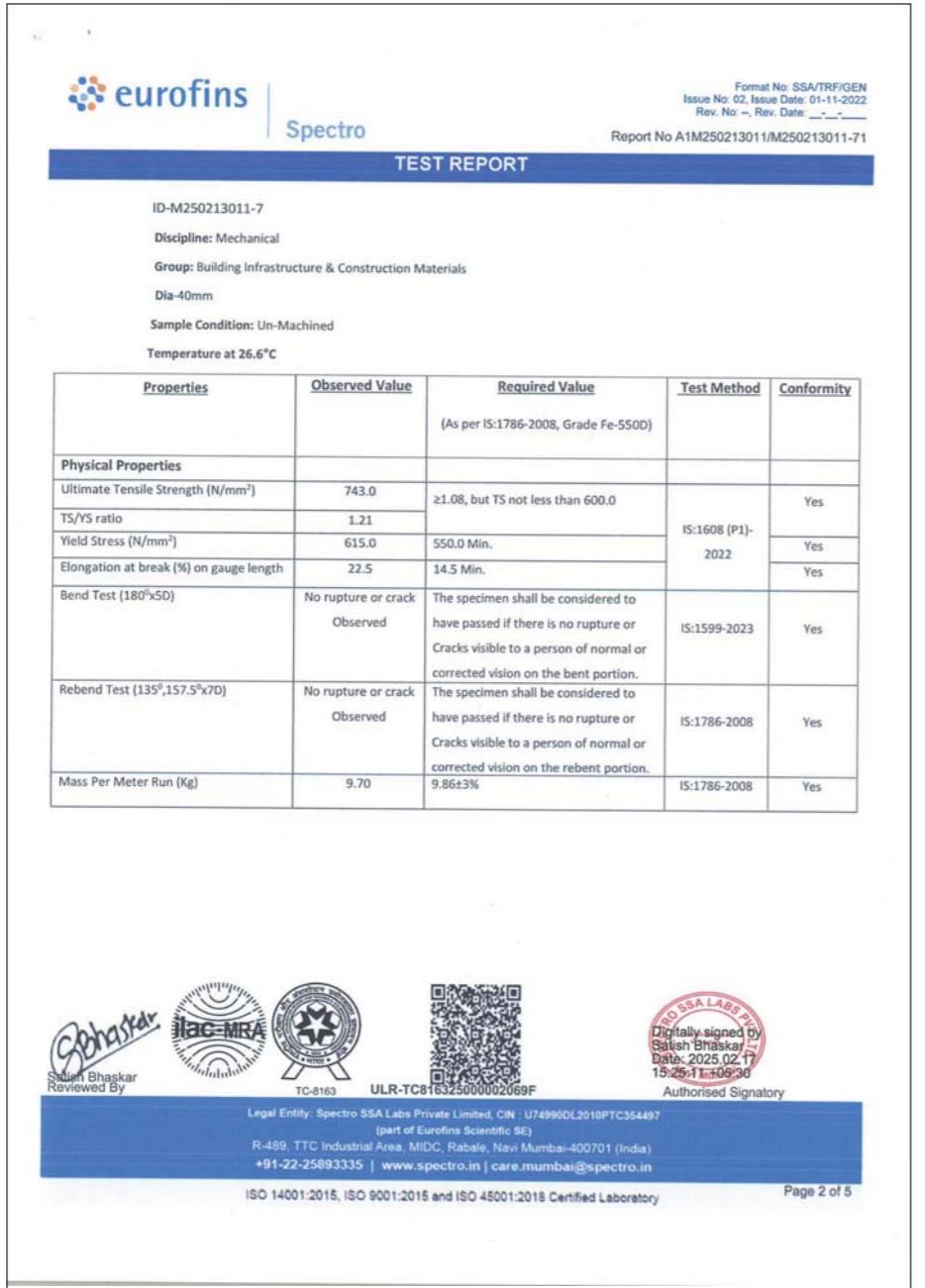
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Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: ___, Rev. Date: __-__-__

Report No A1M250213011/M250213011-71

TEST REPORT

ID- M250213011-7

Discipline: Chemical
Group: Metals & alloys

Parameters	Observed Value	LOQ	Required Value (as per IS:1786-2008, Grade Fe-550D)	Test Method	Conformity
Carbon, %	0.22	—	0.25 Max. ± 0.02 (Tolerance)	IS:8811-1998	Yes
Manganese, %	0.79	—	—		—
Sulphur, %	0.021	—	0.040 Max. ± 0.005 (Tolerance)		Yes
Phosphorus, %	BLQ	0.008	0.040 Max. ± 0.005 (Tolerance)		Yes
Silica, % (Killing mode)	0.28	—	—		—
Aluminum, %	BLQ	0.005	—		—
Sulphur & Phosphorus, %	0.029	—	0.075 Max. ± 0.010 (Tolerance)		By Calculation
CE, %	0.37	—	0.61 Max		Yes

Chemical Analysis

Notes:
BLQ-Below the limit of quantification
LOQ is taken for calculation of CE & S+P
S+P-Limit of quantification

Reviewed By: SHAILESH BALKRISHNA RANE
Reviewed By: 
TC-8163

ULR: ULR-TC816325000002069F

Authorised Signatory:
Daily signed by
SHAILESH
BALKRISHNA RANE
Date: 2025.03.07
15.25.11 06:00

Legal Entity: Spectro SSA Labs Private Limited, CIN: U74990DL2010PTC354497
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Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: ___, Rev. Date: __-__-__

General Terms & Conditions

Spectro SSA Labs Private Limited undertakes to provide services to the customer subject to the terms & conditions mentioned here.

1. Area of Application:
1.1 All Orders accepted by Spectro SSA Labs Private Limited (Collectively "ES") will be governed by these General Terms and Conditions of Sales (the "Terms & Conditions"), including orders placed by telephone which have not been confirmed in writing and electronic messages sent by the customer to ES, unless otherwise agreed by ES in writing.

2. Payment of Order:
2.1 Payment of the order will be due only if it is fully paid for or has an other electronic message is believed by the customer to be an offer to pay the order. The customer must confirm in writing the order by telephone immediately after they are made and will not need for any written confirmation from ES or (b) ES accepts the order in writing.

3. General Terms & Conditions:
3.1 These Terms and Conditions supersede and replace of prior verbal or written price quotations and agreements between the parties and, unless specifically indicated otherwise, these, take precedence over all conflicting or inconsistent provisions of such prior agreements. The customer is advised to read the Terms & Conditions before accepting the order. The customer must accept ES's Terms & Conditions in writing before the order is accepted by ES.

4. Price and Terms of Payment:
4.1 The prices quoted by ES does not state otherwise, ES' prices apply, "as quoted", including packaging, which is charged separately. Any additional cost or transportation, or insurance to the order must be paid by the customer.

5. Samples:
5.1 The samples or materials must be in a condition that makes the preparation of representative products without difficulty. ES is entitled to conduct an initial examination of the samples or materials to check that they are in a condition suitable for analysis. ES will not be liable for any damage to the samples or materials caused by the customer in the course of the examination.

6. Delivery:
6.1 Samples are sent to the customer by ES or other electronic message is believed by the customer to be an offer to pay the order. Applicable terms are those in force at the date of the despatch of the customer. The customer must pay the cost of delivery.

7. Returns:
7.1 Samples sent by the customer to ES for analysis or testing will be returned to the customer by ES, unless specifically accepted in writing and agreed by the Managing Director of ES, any terms proposed or submitted by a customer of any time preceding, but not limited to, terms or provisions in the customer's purchase order instructions or other document.

8. Returns:
8.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

9. Returns:
9.1 These Terms and Conditions apply to all returns of samples sent by the customer to ES for analysis or testing.

10. Returns:
10.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

11. Returns:
11.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

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12.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

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16. Returns:
16.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

17. Returns:
17.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

18. Returns:
18.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

19. Returns:
19.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

20. Returns:
20.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

21. Returns:
21.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

22. Returns:
22.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

23. Returns:
23.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

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25. Returns:
25.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

26. Returns:
26.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

27. Returns:
27.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

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28.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

29. Returns:
29.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

30. Returns:
30.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

31. Returns:
31.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

32. Returns:
32.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

33. Returns:
33.1 Returns of samples sent by the customer to ES for analysis or testing will be accepted by ES as a matter of convenience of these Terms & Conditions and shall be at the expense of the customer.

34. Returns:
34.1 The construction, validity and performance of these Terms and Conditions shall be governed by the laws and the commercial courts of Delhi/Jurisdiction, Delhi State, India in which the registered office of the ES company which accepted the order is located (including in cases involving multiple courts for the defense or third-party respondents), which shall have jurisdiction to hear and determine any dispute arising out of or in connection with these Terms and Conditions.

*** End of Report***

Legal Entity: Spectro SSA Labs Private Limited, CIN: U74990DL2010PTC354497
(part of Eurofins Scientific SE)
R-489, TTC Industrial Area, MIDC, Rabale, Navi Mumbai-400701 (India)
+91-22-25893335 | www.spectro.in | care.mumbai@spectro.in

ISO 14001:2015, ISO 9001:2015 and ISO 45001:2018 Certified Laboratory

Third Party Test Report - 40mm, Fe 550D - Dolvi

eurofins | Spectro

Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: -, Rev. Date: _____

TEST REPORT

Test Report Issued To:

JSW STEEL LIMITED, DOLVI WORKS
GEETAPURAM, DOLVI, TALUKA PEN.,
DIST. RAIGAD, MAHARASHTRA, INDIA,
RAIGAD, MAHARASHTRA - 400706,
INDIA

Test Report No: A1M250213011/M250213011-70
Issue Date: 07-Mar-2025
Sample Booking/Receipt Date: 13-Feb-2025
Test Start Date: 14-Feb-2025
Test Completion Date: 17-Feb-2025

Customer Relationship Number M29516

Sample Description :
40MM DIA TMT BAR, GRADE - FE 550D, BID - 24CBD11089, HEAT NO. - 24105264

Customer Reference No :
TRF DT: 13/02/2025, PO NO: DOLVI-HL/24-25/4500202896

Amendment Report to Test Report
No:M250213011/M250213011-70 Dated:
18-02-2025

Kind Attention : MR. ATUL
E-Mail: atul.thorat@jsw.in Contact No: 8805022629

Sample Condition : Good
Sample Quantity (Approx) : 3 - Nos Sample Size (Approx) : 1000 - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



Report Issued By

Authenticity of report can be verified by mail at verification@spectrolab.in
This is a Digitally Signed Report and hence doesn't require Physical Signature.

Legal Entity: Spectro SSA Labs Private Limited, CIN - U74990DL2010PTC354497
(part of Eurofins Scientific SE)
R-489, TTC Industrial Area, MIDC, Rabale, Navi Mumbai-400701 (India)
+91-22-25893335 | www.spectro.in | care.mumbai@spectro.in

ISO 14001:2015, ISO 9001:2015 and ISO 45001:2018 Certified Laboratory

Page 1 of 4

eurofins | Spectro

Format No: SSA/TRF/GEN
Issue No: 02, Issue Date: 01-11-2022
Rev. No: -, Rev. Date: _____

Report No A1M250213011/M250213011-70

TEST REPORT

ID-M250213011-7
Discipline: Mechanical
Group: Building Infrastructure & Construction Materials
Dia-40mm
Sample Condition: Un-Machined
Temperature at 26.6°C

Properties	Observed Value	Test Method
Mean projected rib area per unit area (mm ² /mm)	9.08	IS:1786-2008
Effective cross-sectional area(mm ²)	1235.67	



Reviewed By

Legal Entity: Spectro SSA Labs Private Limited, CIN - U74990DL2010PTC354497
(part of Eurofins Scientific SE)
R-489, TTC Industrial Area, MIDC, Rabale, Navi Mumbai-400701 (India)
+91-22-25893335 | www.spectro.in | care.mumbai@spectro.in

ISO 14001:2015, ISO 9001:2015 and ISO 45001:2018 Certified Laboratory

Page 2 of 4



Format No: SSA/TRF/GEN
 Issue No: 02, Issue Date: 01-11-2022
 Rev. No: -, Rev. Date: - - -
 Report No A1M250213011/M250213011-70

TEST REPORT

ID- M250213011-7

Discipline: Chemical
 Group: Metals & alloys

Parameters	Observed Value	Test Method
Nitrogen, %	0.004	IS:228(Part 19) 1998



Reviewed By



Legal Entity: Spectro SSA Labs Private Limited, CIN : U74990DL2010PTC354497

(part of Eurofins Scientific SE)

R-459, TTC Industrial Area, MIDC, Rabale, Navi Mumbai-400701 (India)

+91-22-25693335 | www.spectro.in | care.mumbai@spectro.in

ISO 14001:2015, ISO 9001:2015 and ISO 45001:2018 Certified Laboratory

Page 3 of 4



Performance Certificate - KEC



KEC International Limited

8th Floor, Building No. 9 'A', DLF Cyber City Phase - III, Gurgaon - 122002, India.
Tel.: +91-124-6798655/777 • Fax +91-124-6798617/18 • Web.: www.kecrpg.com

Ref No: KEC/20

Dated: 27-08-2024

To,
JSW Steel Limited,
NTH Complex, 4th Floor,
Shaheed Jeet Singh Marg,
Qutub Institutional Area
New Delhi - 110067

Subject: Certificate of Performance

**Reference: "Supply of TMT at Indian Naval Academy, Erimala vide PO No CV-092/1004638010
Dated: 7th March 2024"**

We are pleased to inform you that the steel procured from your manufacturing unit situated at Bellary, Karnataka has proved to be excellent in quality. So far we have procured and used approximately 113 MT of your TMT FE 550D bars and will continue to use the same until completion of the project referred above.

We hereby state that the quality of steel provided by you is satisfactory and in compliance to the Government issued specifications. We hope to continue our business with your esteemed organization.

Thanking You
For KEC International Limited



Authorized Signatory

Regd. Off. :CEAT Mahal, 1st Floor, 463, Dr. Annie Besant Road, Worli, Mumbai 400030, India.
Tel.: +91-22-6667 0200 • Fax +91-22-66670260 • Web.: www.kecrpg.com



Performance Certificate - KEC



KEC International Limited

8th Floor, Building No. 9 'A', DLF Cyber City Phase - III, Gurgaon - 122002, India.
Tel.: +91-124-6798655/777 • Fax +91-124-6798617/18 • Web.: www.kecrpg.com

Ref No: KEC/22

Dated: 27-08-2024

To,
JSW Steel Limited,
NTH Complex, 4th Floor,
Shaheed Jeet Singh Marg,
Qutub Institutional Area
New Delhi - 110067

Subject: Certificate of Performance

**Reference: "Supply of TMT at Adani Electricity Infra Limited, 400KV MSECL, KUDUS Substation
vide PO No SB-316/1004676798 Dated: 16 April 2024"**

We are pleased to inform you that the steel procured from your manufacturing unit situated at Bellary, Karnataka has proved to be excellent in quality. So far we have procured and used approximately 150 MT of your TMT FE 550D bars and will continue to use the same until completion of the project referred above.

We hereby state that the quality of steel provided by you is satisfactory and in compliance to the Government issued specifications. We hope to continue our business with your esteemed organization.

Thanking You
For KEC International Limited



Authorized Signatory

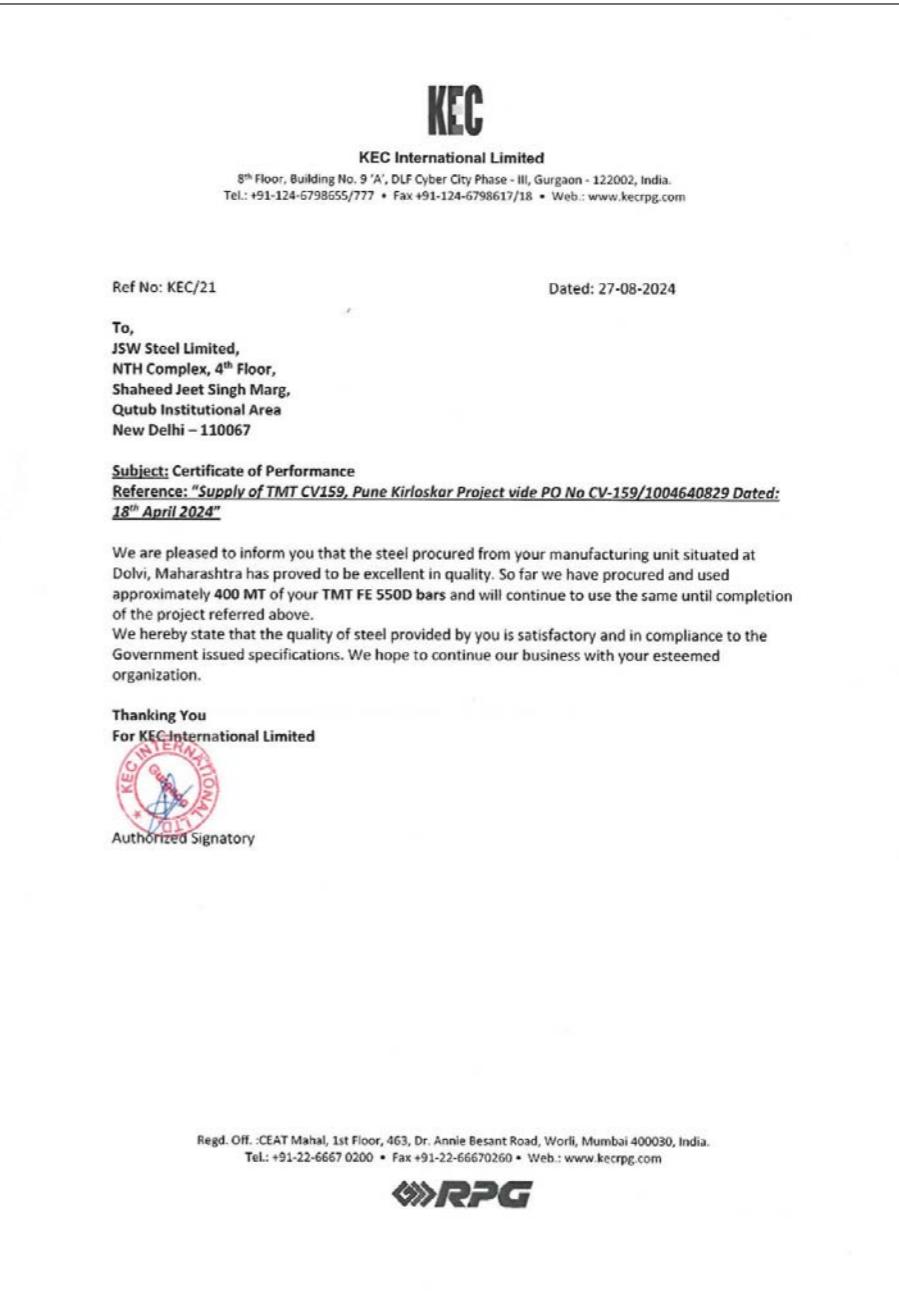
Regd. Off. :CEAT Mahal, 1st Floor, 463, Dr. Annie Besant Road, Worli, Mumbai 400030, India.
Tel.: +91-22-6667 0200 • Fax +91-22-66670260 • Web.: www.kecrpg.com



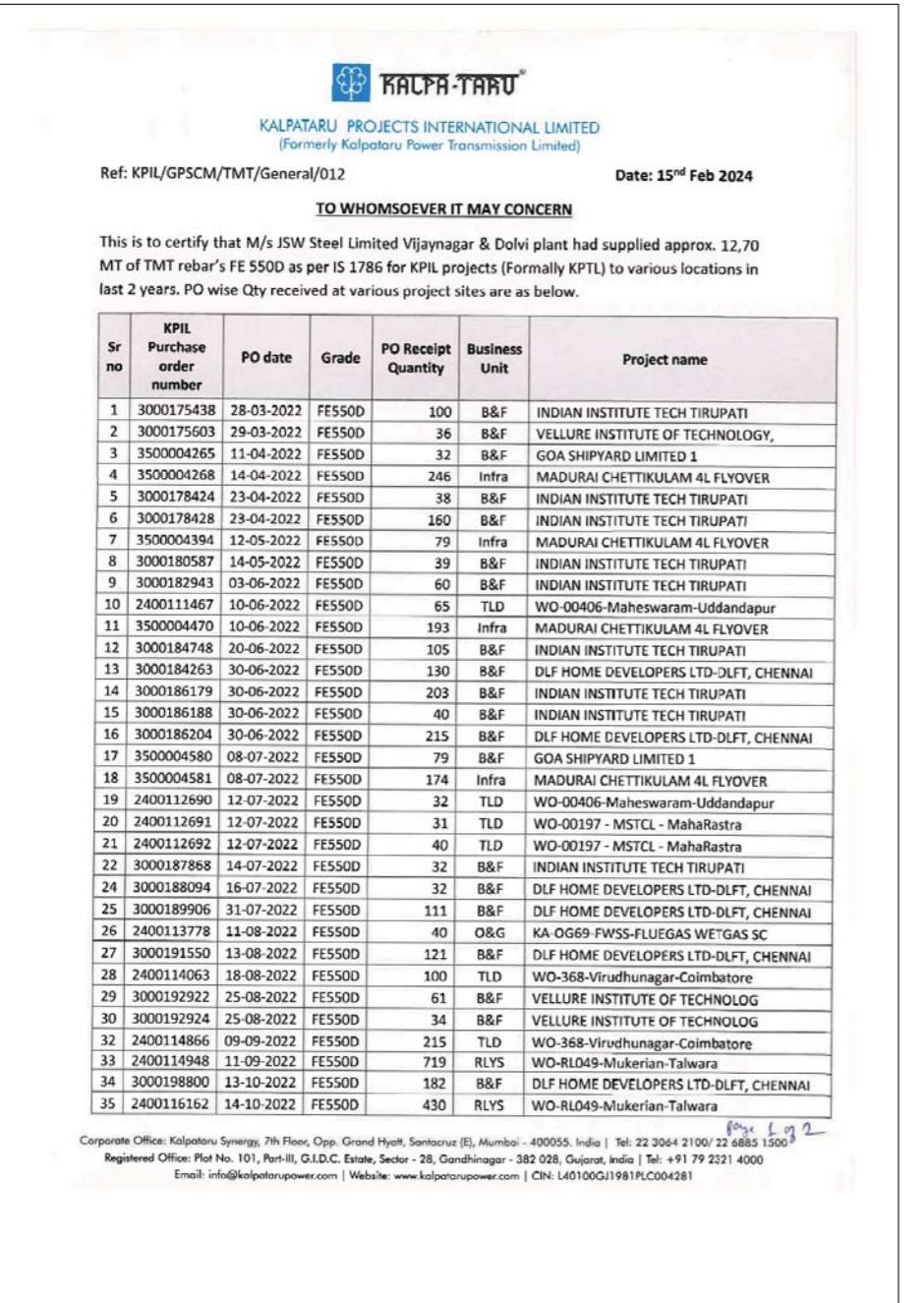
Performance Certificate - KEC



Performance Certificate - KEC



Performance Certificate - Kalpataru



KALPATARU PROJECTS INTERNATIONAL LIMITED
(Formerly Kalpataru Power Transmission Limited)

36	3000200901	02-11-2022	FE550D	311	B&F	DLF HOME DEVELOPERS LTD-DLFT, CHENNAI
37	3000202184	12-11-2022	FE550D	68	B&F	INDIAN INSTITUTE TECH TIRUPATI
40	3000206143	15-12-2022	CRS	493	B&F	HANIMAADHOO INTL AIRPORT-IND, Maldives
41	3000206723	20-12-2022	FE550D	141	B&F	DLF HOME DEVELOPERS LTD-DLFT, CHENNAI
42	3000207778	28-12-2022	FE550D	652	B&F	DLF HOME DEVELOPERS LTD-DLFT, CHENNAI
43	2400119630	09-01-2023	FE550D	1,028	RLYS	WO-RL049-Mukerian-Talwara
44	2400119631	09-01-2023	FE550D	39	RLYS	WO-RL45T-MANMAD-DHONE
45	2400119632	09-01-2023	FE550D	31	RLYS	WO-RL030-TN-Maduri - Satur
46	2400119633	09-01-2023	FE550D	32	RLYS	WO-RL045M-MANMAD-DHONE
47	2400119686	10-01-2023	FE550D	40	O&G	MH-OG67-MNP1-Mumbai-Nagpur
48	2400119924	16-01-2023	FE550D	80	TLD	WO-00197 - MSTCL - MahaRastra
49	3000210324	18-01-2023	FE550D	829	B&F	DLF HOME DEVELOPERS LTD-DLFT, CHENNAI
50	3000211896	31-01-2023	FE550D	217	B&F	VELLURE INSTITUTE OF TECHNOLOG
51	3000214765	22-02-2023	FE550D	81	B&F	EXIDE ENERGY SOLUTIONS LTD, Bangalore
52	2400121592	27-02-2023	FE550D	67	O&G	KA-OG69-FWSS-FLUEGAS WETGAS SC
53	3000216233	06-03-2023	FE550D	32	B&F	INDIAN INSTITUTE TECH TIRUPATI
54	2400122124	12-03-2023	FE550D	582	RLYS	WO-RL049-Mukerian-Talwara
55	3500005553	24-03-2023	FE550D	240	Water	NARMADA JHABUA IRRIGATION TURNK
56	2400125593	13-04-2023	FE550D	533	RLYS	WO-RL049-Mukerian-Talwara
57	2400126814	14-04-2023	FE550D	39	O&G	KA-OG69-FWSS-FLUEGAS WETGAS SC
58	2400141435	12-05-2023	FE550D	235	B&F	DLF HOME DEVELOPERS LTD-DLFT, CHENNAI
59	2400151298	14-06-2023	FE550D	200	RLYS	WO-RL024-Satara-Kolhapur
60	2400153646	22-06-2023	FE550D	159	B&F	DLF HOME DEVELOPERS LTD-DLFT, CHENNAI
61	2400160812	20-07-2023	FE550D	386	B&F	DLF HOME DEVELOPERS LTD-DLFT, CHENNAI
62	2400166044	11-08-2023	FE550D	33	O&G	KA-OG69-FWSS-FLUEGAS WETGAS SC
63	2400172218	08-09-2023	FE550D	134	B&F	Godrej Horizon-GHPR, Mumbai
64	2400172246	08-09-2023	FE550D	628	B&F	Veritas Data Center Devel-VDCA, Mumbai
65	2400179697	12-10-2023	FE550D	358	B&F	Veritas Data Center Devel-VDCA, Mumbai
66	2400179777	13-10-2023	FE550D	33	O&G	KA-OG69-FWSS-FLUEGAS WETGAS SC
67	2400186152	10-11-2023	FE550D	272	B&F	Veritas Data Center Devel-VDCA, Mumbai
68	2400192914	14-12-2023	FE550D	103	B&F	Veritas Data Center Devel-VDCA, Mumbai
69	2400199375	12-01-2024	FE550D	80	RLYS	WO-RL049-Mukerian-Talwara
70	2400199713	15-01-2024	FE550D	158	Water	AMRITSAR WATER SUPPLY-AWSP
71	2400200216	17-01-2024	FE550D	240	B&F	Veritas Data Center Devel-VDCA, Mumbai
			TOTAL	12,727		

Page 2 of 2

The company has completed the supplies within stipulated time. The quality of the material supplied was satisfactory.

Regards,

Vipul Gupta
DGM, Group Procurement & SCM

Corporate Office: Kalpataru Synergy, 7th Floor, Opp. Grand Hyatt, Santacruz (E), Mumbai - 400055, India | Tel: 22 3064 2100/ 22 6885 1500
Registered Office: Plot No. 101, Puri-III, G.I.D.C. Estate, Sector - 28, Gandhinagar - 382 028, Gujarat, India | Tel: +91 79 2321 4000
Email: info@kalpatarupower.com | Website: www.kalpatarupower.com | CIN: L40100GJ1981PLC004281

Performance Certificate - L&T Construction

L&T Construction

LNT/CN/2025-26/03

Dt: 16-09-2025

To ,
JSW Steel Ltd,
Thapar House, New Delhi

Sub: Appreciation letter for Suppliers to our Various Projects.

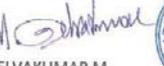
With reference to suppliers of Reinforcement steel against our orders for various projects, who have found the quality of your TMT consistent and as per applicable standards, in addition to this, the timely delivery from you has helped us to keep -up our schedule.

Some of the projects where we have taken supplies from you are mentioned below;

Sl. No.	Project Name
1.	Brigade Icon Project, Mount Road, Chennai
2.	MRF Test Track Project
3.	CMRL Phase II corridor 3 & 5-Nadhumuni
4.	MPRRP-3
5.	CMRL Phase II C3
6.	SN School project
7.	CMRL TU02
8.	Innovation Campus Ph. 2 Tower 4 (SEZ)
9.	Technology Centre 4 Project
10.	KKNPP Main Plant Civil 5&6
11.	Motherson Kanchipuram
12.	AIIMS Madurai
13.	Prashant Hospital-NEW
14.	Prestiagg Pallavaram
15.	Avinya Enclave

We hereby appreciate your efforts and look forward to continue our business relationship.

Thanking you,
For L&T Construction,


SELVAKUMAR M,
DGM- Procurement



Larsen & Toubro Limited, Construction
Head Office : Mount Poornamallee Road, Manapakkam, PB No. 979, Chennai - 600 089, INDIA
Tel: +91-44-2252 6000, 22597000 Fax: +91-44-2249 3317 www.ltecc.com
Mang
Regional Office : 19, 1st & 2nd Floor, Kumarakrupa Road, Bangalore - 560 001 INDIA
Tel. : +91-80-4010 0000 Fax: +91-80-22256127
INDIA

Registered Office
L&T House, N.M.
Ballard Estate
Mumbai - 400 001.






CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED
(CIN - U99999 MH 1970 SGC - 014574)

Ref. no. CIDCO/ EE (PA & R)/ P-2623/ 2025/ 96 Date: 04.02.2025

To

M/s JSW Steel Ltd,
Regd. Office
JSW Centre, Bandra Kurla complex,
Bandra (E), Mumbai-400051
Factory Unit
Geetapuram, Village- Dolvi,
Taluka- Pen, Dist.-Raigad,
Maharashtra - 402107
Contact Person: Shri. Girish Prakash Joshi
Contact no.- 7977480292
E-Mail Id – girish.joshi1@jsw.in

Sub: Registration as an Approved Vendor
Ref: Your application vide file no P-2623 received on 28.06.2024

Dear Sir,

With reference to your request /application on subject matter, we are pleased to inform you that, your registration as an approved vendor for our projects / works for the following products is approved herewith for a period of **Two (02) years** from date of issue of this certificate i.e. **04.02.2025 to 03.02.2027**.

Sr. No.	Material Description	Material Name / Brand / Size/ Range
1	TMT Steel Rebars	Brand Name- "JSW" Fe-500D, Fe-550D, CRS Dia-8mm, 10mm,12mm,16mm,20mm,25mm, & 32mm As per IS 1786:2008
2	Structural Steel	Structural Steel Brand Name- "JSW" Angles, Channels, RSJ Poles, Beams, Flats, rounds etc as per IS 2062:2011


Executive Engineer (PA & REG.)
CIDCO Ltd. Page 1 of 2

Regd. Office: Nirmal, 2nd Floor, Nariman Point, Mumbai - 400 021 • Tel.: 022 6680 0900
Head Office: CIDCO Bhavan, CBD Belapur, Navi Mumbai - 400 614 • Tel.: 022 6791 8100

Website: www.cidco.maharashtra.gov.in

Kindly note that,

- The validity of this enlistment is valid for **Two (02) Years** i.e. from **04.02.2025 to 03.02.2027**. However, the Corporation reserves the right to cancel the same in case complaints are received from users within that period.
- The product shall be in conformity with requirements of BIS/ISO Standards. You shall keep your BIS/ISO registration valid and any changes in the same shall be intimated to this office.
- The approval has been granted on the basis of documents/information furnished by **M/s JSW Steel Ltd** The approval would be cancelled if any details are found in variance to the details already furnished during the inspection of manufacturing unit. Further CIDCO Ltd. reserves the right to visit the manufacturing unit at any time.
- It is a responsibility of user to ascertain quality and safety associated with product before acceptance, capacity of vendor for supply schedule, to carry out all tests as per relevant IS codes, past & present supply performance of various contractors in Mumbai & Navi Mumbai. Further inclusion in the approved list does not absolve the users from acceptance of bad quality of product.
- The registration shall not bind CIDCO Ltd. to give you any priority or preference in the issue of enquiry and placement of purchase orders and does not guarantee that all or any of the enquiries for the above items would necessarily be sent to you.
- You are also required to intimate us the changes, if any, in the postal address, the contact Phone Number, Fax Nos. in the constitutions or working of your firm during the currency of registration of your firm with us.
- You are required to apply 60 days in advance for revalidation before expiry of current validity of enlistment along with all documents and information as required.
- During the period of enlistment, if, your company **M/s JSW Steel Ltd** improves your product value by acquiring additional quality accreditation and/or achieves better financial performance then such changes shall be invariably informed to the Corporation.
- You shall share the copies of invoice with prices of the orders placed for works of CIDCO Ltd., if required.
- If a contractor working for CIDCO Ltd. works place purchase order for the material, the same will have to be supplied on priority, adhering time schedule required by CIDCO, failing which CIDCO Ltd. may cancel the registration of product which may please be noted.

Thanking you,

Yours faithfully,



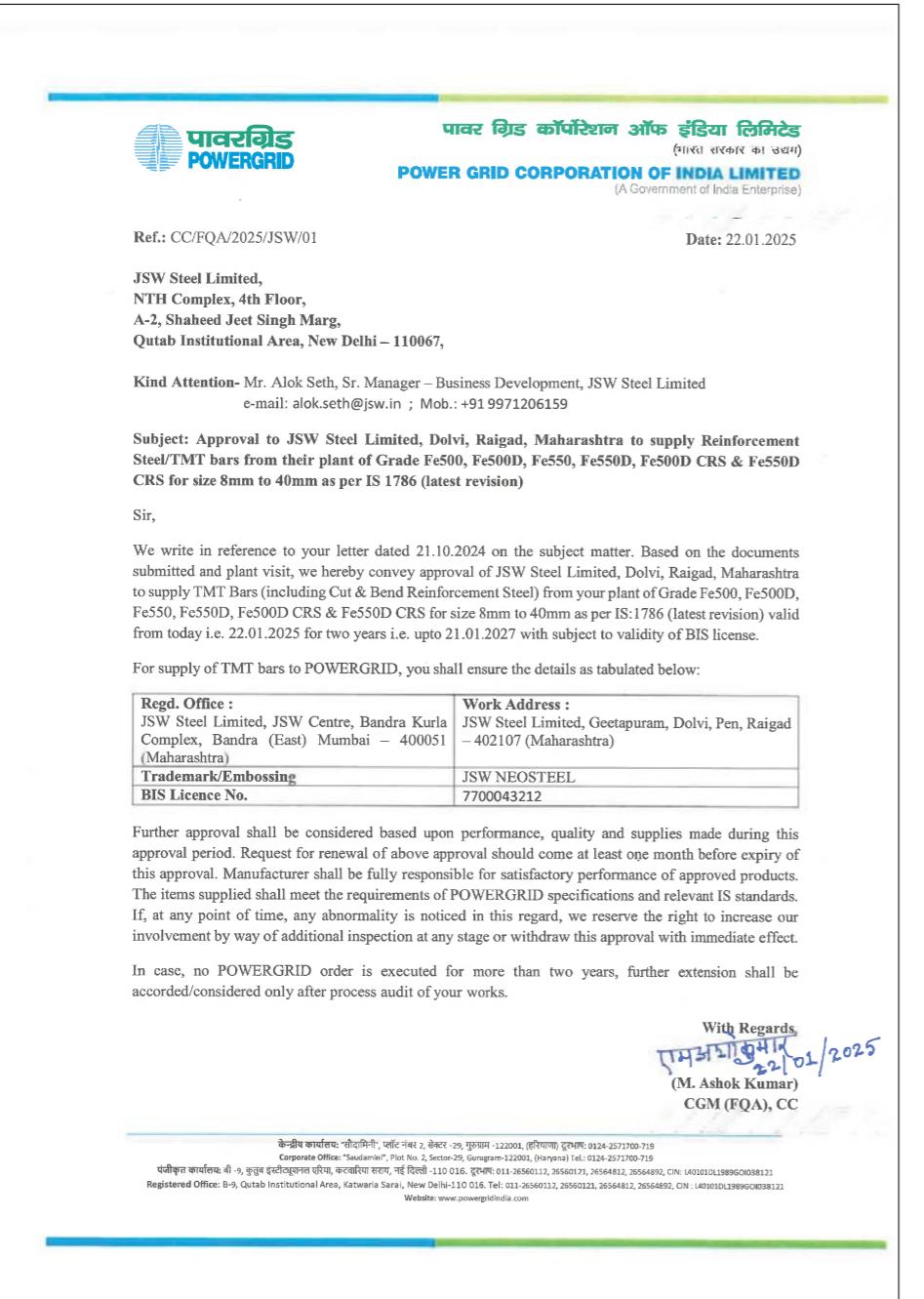
(V. Y. Ingle)

Executive Engineer (PA & Reg.),
CIDCO Ltd, 3rd Floor, CIDCO Bhavan,
CBD Belapur, Navi Mumbai - 400 614
Contact No.: 022 - 6791 830
E-mail : ee.pa-reg@cidcoindia.com

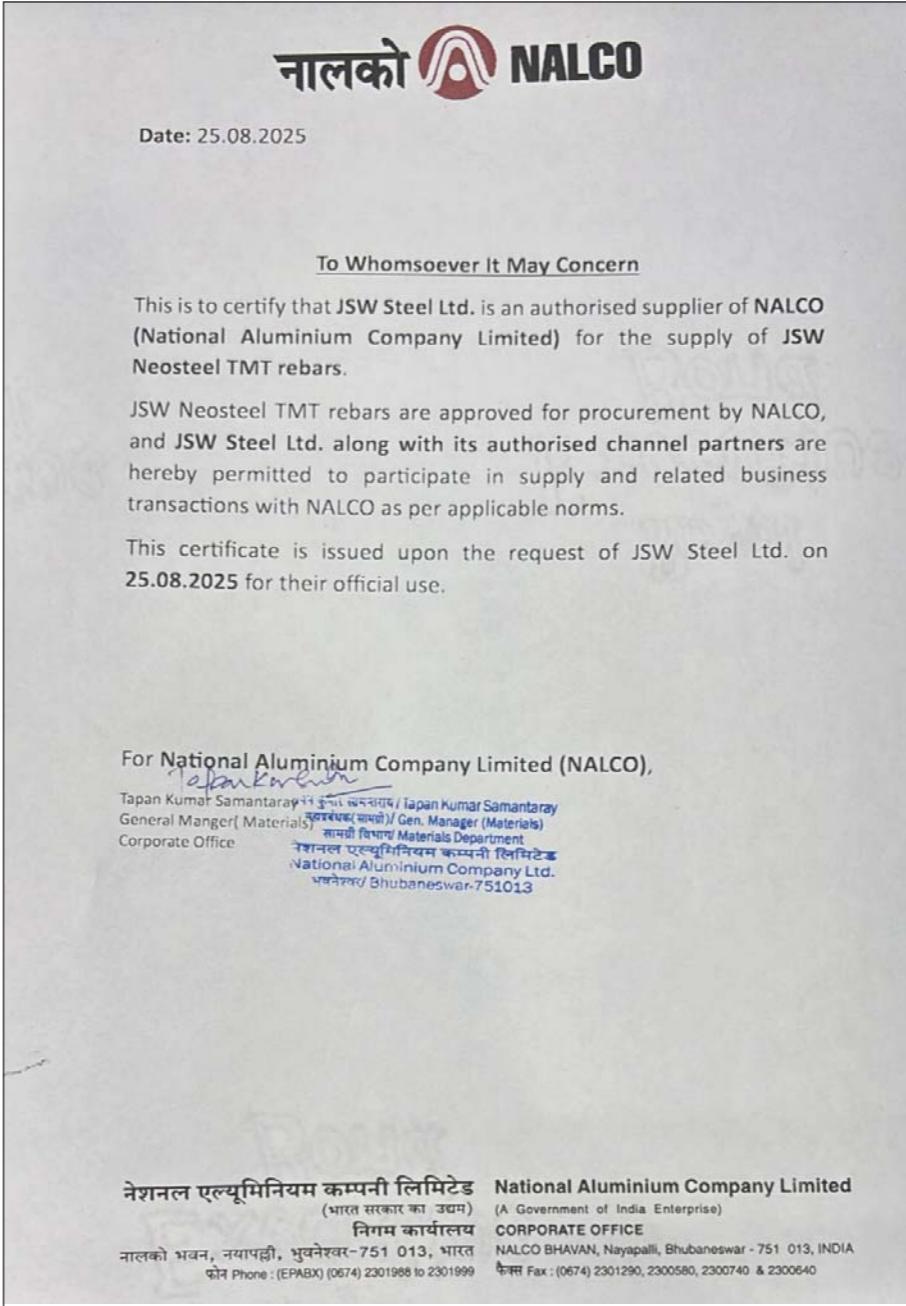
Page 2 of 2



Power Grid Corporation Approval



NALCO Approval



Indian Register of Shipping

Certificate No.: 2023WAQC028

WORKS APPROVAL CERTIFICATE

This is to certify that based on the existing manufacturing facilities and satisfactory assessment of manufacturing and quality control procedures by our Surveyors, the name of

JSW STEEL LTD,
Vijayanagar Works, Vidyanager Post, Toranagallu, Bellary Dist - 583275, Karnataka, India

is included in the list of approved works in accordance with the relevant requirements of rule(s)/standard(s)/code described below.

WORKS TYPE : STEELMAKING
PRODUCT TYPE : Shipbuilding Grade Steel Slabs and Hot Rolled Coils/Plates
 (For details, See Annex - I)

APPLICABLE RULE(S)/STANDARD(S)/CODE: IRS Rules and Regulations for the Construction and Classification of Steel Ships

SCHEDULE OF APPROVAL : SEE ANNEXURE I

This Certificate Is Valid until : 14/09/2028

PLACE OF ISSUE: MUMBAI
 DATE OF ISSUE: 15/09/2023
 LOCAL SURVEY OFFICE: GOA

FOR, INDIAN REGISTER OF SHIPPING

For Indian Register of Shipping
 Digitally Signed By: Premjit Panigrahi
 Location: Mumbai
 Signing Date: 15-09-2023(dd/mm/yyyy)

Sr. Principal Surveyor

This Certificate is issued upon the following terms and conditions as laid down in the Society's Regulations: The Society, its members, officers, employees, agents, servants, and committees (referred to as the Society) and its Board/Committees, or any of its servants or agents, shall not be liable for any loss damage or expense whatever sustained by any person due to any act or omission or error of whatever nature and however caused of the Society, its servants or agents or due to any inaccuracy of whatever nature and however caused in any information or advice given in any way whatsoever by or on behalf of the Society, even if held to amount to a breach of warranty. Nevertheless, if any person uses services of the Society, or relies on any information or advice given by or on behalf of the Society and suffers loss damage or expenses thereby which is proved to have been due to any negligent act omission or error of the Society, its servants or agents or any negligent inaccuracy in information or advice given by or on behalf of the Society then the Society will pay compensation to such person for his proved loss to be not exceeding the amount of the fee charged by the Society for that particular service, information or advice.

Any notice or claim for loss, damage or expense, as referred to above, shall be made in writing to the Society's Head Office within six months of the date when the service, information or advice was first provided, failing which all the rights to any such claim shall be forfeited and the Society shall be relieved and discharged from all liabilities.

Form No.: IRS_WAC_QC (Rev.2)
 TID: IRS/2023/2023WAQC028/21461

Page 1 of 3

2023WAQC028

ANNEXURE - I
SCHEDULE OF APPROVAL

PRODUCT DESCRIPTION/DETAILS:
 Manufacture of Shipbuilding Grade Hot Rolled Steel Coils/Plates
 Steel Making Process: Basic Oxygen Furnace - (BOF/LRF/VD/Concast)
 Deoxidation Practice: Al-Si Killed
 Casting Method: Continuous Casting (CC)
 Product Type: Slabs (Semi finished product for further processing in Rolling Mill) & Hot Rolled Coils/Plates
 Thickness of Slabs: 300mm

Details of Approval of Hot Rolled Coils and Plates cut to length from Coils

Sr. No.	IRS Grades	Maximum Thickness (mm)	Maximum Width (mm)	Delivery Condition	Fine Grain Treatment
1	AH32*, AH36*, DH32*, DH36*, EH32* and EH36 (High Strength Steel)	20	2000	TM+Acc (Thermo-Mechanical Rolling + Accelerated Cooling)	Al+Nb+V+Ti
2	A*, B*, D* and E (Normal Strength Steel)	20	2000	TM+Acc (Thermo-Mechanical Rolling + Accelerated Cooling)	Al+V+Ti

The approval of asterik (*) grade steel is based on qualification test data submitted for higher grade steel in same strength level.

REMARKS:
 --

RESTRICTIONS:
 --

DOCUMENTATION:
 Production and Quality Control documents

TEST REPORTS:
 Enclosures to Report no.MGO23W002

CONDITIONS OF APPROVAL:
 This approval is subject to:
 1. Annual audit being carried out by the surveyors of Indian Register of Shipping and Annexure II of the certificate being duly endorsed.
 2. Any alteration being made to manufacturing facilities and procedures would require re-assessment of the works for continued approval.
 3. Approval of works under this scheme does not eliminate normal inspection and testing.
 4. Testing being carried out at approved test laboratories to surveyor's satisfaction when supplying steel slabs & coils/plates to clients under IRS inspection.
 5. The steel plates being intended for welding with heat input in the range of 15 to 50 kJ/cm.

Form No.: IRS_WAC_QC (Rev.2)
 TID: IRS/2023/2023WAQC028/21461

Page 2 of 3

IRS Approval

2023WAQC028

ANNEXURE - II

Periodical Surveillance Audit Due On :

<14 September, 2024>
<14 September, 2025>
<14 September, 2026>
<14 September, 2027>

The validity of this certificate is renewed on satisfactory completion of periodical surveillance audit in accordance with above schedule

Signature _____ *IRS Stamp* _____

Surveyor's Name _____ *Outport* _____ *Date* _____

Signature _____ *Surveyor's Name* _____ *IRS Stamp* _____

Outport _____ *Date* _____

Signature _____ *Surveyor's Name* _____ *IRS Stamp* _____

Outport _____ *Date* _____

Signature _____ *Surveyor's Name* _____ *IRS Stamp* _____

Outport _____ *Date* _____

Signature _____ *Surveyor's Name* _____ *IRS Stamp* _____

Outport _____ *Date* _____

Signature _____ *Surveyor's Name* _____ *IRS Stamp* _____

Outport _____ *Date* _____

Form No.: IRS_WAC_QC (Rev.2)

 **TID: IRS/2023/2023WAQC028/21461**

Page 3 of 3

THDC India Limited Approval

THDC INDIA LIMITED
(A Joint venture of Govt. of India & Govt. of U.P.)
VISHNU GAD PIPALKOTI HYDRO ELECTRIC PROJECT
PIPALKOTI, CHAMOLI (Uttarakhand)
(QUALITY CONTROL DEPARTMENT)

पत्रांक- टी.एच.डी.सी.आई.एल./वी.पी.एच.ई.पी./क्यू.सी./एफ-19/122 दिनांक: 21.08.2024

To,
परियोजना प्रबंधक
मैसर्स एच.सी.सी.,
वी.पी.एच.ई.पी.

SUBJECT: "EPC contract for civil works and hydro-mechanical Equipment works including penstock liners"- Contract Agreement No. THDC/RKSH/CD-260/AG/17.01.2014- Reg. Vendor Approval of M/s JSW Steel Limited for supply of TMT Steel bars to VPHEP.

Dear Sir,

This has reference to M/s HCC letter no. HCC/VPHEP/THDC/CON/8152 dated 13.08.2024 vide which credentials of M/s JSW Steel Limited were submitted for approval as a vendor of M/s HCC for the supply of TMT Steel bars to VPHEP.

The details of vendor approval is as under :

S. No.	Name Of Vendor	Description of items
1	M/s JSW Steel Limited	TMT Steel bars

It is pertinent to mention that the SAIL, Rashtriya Ispat Nigam Ltd (RINL) and TISCO, the preferred make as per Contract Agreement shall be the first priority for project work. In case of non-availability of preferred make, JSW Steel may be considered in interest of project works.

The approval is subject to the following:

1. The material to be used shall confirm to the requirements of technical specifications as mentioned in the Section VI-B of the contract agreement.
2. M/s HCC shall comply with the provisions of section VI-D of the contract agreement and the approved Quality Assurance Plan.
3. Material shall be tested before use at Site.
4. In case of aforesaid materials do not confirm to the provisions as stated at serial number 1, 2 and 3 above, THDCIL shall review its approval.

This is issued with the approval of Competent Authority.

२०८७०२
(शरद चंद्र भट्ट)
उपमहाप्रबंधक (गुणवत्ता नियंत्रण)

प्रतिलिपि:

1. मुख्य महाप्रबंधक (परियोजना), टी.एच.डी.सी.आई.एल., वी.पी.एच.ई.पी सूचनार्थ हेतु प्रेषित।
2. अपरमहाप्रबंधक - इंचार्ज (टी०बी०एम), टी.एच.डी.सी.आई.एल., वी.पी.एच.ई.पी।
3. अपरमहाप्रबंधक - इंचार्ज (पावर हाउस एवं टी०आर०टी०), टी.एच.डी.सी.आई.एल., वी.पी.एच.ई.पी।
4. अपरमहाप्रबंधक - इंचार्ज - (बांध), टी.एच.डी.सी.आई.एल., वी.पी.एच.ई.पी।
5. उपमहाप्रबंधक (सी.ओ.), टी.एच.डी.सी.आई.एल., वी.पी.एच.ई.पी।
6. उपमहाप्रबंधक (गुणवत्ता नियंत्रण बांध) टी.एच.डी.सी.आई.एल., वी.पी.एच.ई.पी।

OFFICE -Alaknandapuram ,Siyasain, Pipalkoti,(Chamoli),Uttarakhand.
Phone. 01372-256217 Fax. 01372-256217

Airports Authority of India Approval

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

Ref. No.-AAI/CHQ-MIS & STD/Engg(C)/EOI/2023/ 2/

Dated: 14.09.2023

सेवा में, To,

जेएसडब्ल्यू स्टील सिस्टेम्स, जेएसडब्ल्यू केंद्र, बंद्रा कुला कॉम्प्लेक्स, बंद्रा पूर्व, मुंबई-400051 ईमेल - amol.bhandekar@jsw.in	JSW STEEL LIMITED, JSW centre, Bandra Kurla complex, Bandra East, Mumbai-400051 Email- amol.bhandekar@jsw.in
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विषय: भारतीय विमानपत्तन प्राधिकरण (भाविप्रा) की अधिभानित सूची में मदो / उत्पादों को सिविल कार्यों के लिए सूचीबद्ध किया जाना।

Subject: Enlistment of Items / Products in Preferred List of make for civil works in Airports Authority of India(AAI).

संदर्भ-रुचि की अभियाकि (ईओआई) दिनांक 19.05.2022 एवं भाविप्रा अधिभानित सूची 2020
Ref.- Expression of Interest(EOI) dated 19.05.2022 & AAI Preferred list of makes 2020

प्रिय महोदय/महोदया,
Dear Sir/Madam,

हम आपको यह सूचित करते हुए हर्ष हो रहा है की आपके आवेदन के आधार पर आपके हारा प्रस्तुत दस्तावेजों / जानकारी और बाद में मूल्यांकन के आधार पर, नीचे उल्लिखित गदों / उत्पादों को सिविल के लिए भाविप्रा की अधिभानित सूची में सूचीबद्ध किया जाएगा।

We are pleased to inform you that on the basis of your application alongwith documents / informations furnished by you and subsequent evaluation, Item(s) / Product(s) as mentioned below is / are enlisted in Preferred List of make for Civil works in AAI:

S.No.	Description of Item(s) / Product(s)	Make/Brand(Name of Manufacturer)
1	TMT REINFORCEMENT STEEL	JSW Steel Ltd.
2	STRUCTURAL STEEL-MS TUBULAR SECTIONS (CIRCULAR,SQUARE,RECTANGULAR) FOR COLUMNS ,TRUSS,MS PIPES, FLATS,ANGLES,BEAMS, CHANNELS, STRIPS ETC.	JSW Steel Ltd.

2. कृपया यथान दे यह प्रत्येक आपके मद / उत्पाद के लिए किसी भी कार्य / आपूर्ति आदेश की प्रत्याकृति(गारंटी) नहीं हेती है।
Please note that, this enlistment does not guarantee any award of work / Supply for your item(s) / Product(s).

3. नियमित/मूल उपकरण नियमिता के गदों / उत्पादों की सूची परीक्षण के आधार पर दो साल की अवधि के लिए मान्य होगी और इस फ्रील स्टैशन / विमानपत्तन से प्रतिक्रिया एवं संतोषजनक प्रदर्शन और फीडबैक के आधार पर आगे की अवधि एक बर्च तक विस्तारित होगी।

राजीव गांधी भवन
Rajiv Gandhi Bhawan

सफदरजंग हवाई अड्डा नई दिल्ली-110003
Safdarjung Airport, New Delhi-110003

दरभाष: 011-24632950
Phone : 011-24632950

21/9/23

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

The enlistment of item(s) / Product(s) of manufacturer shall be valid for a period of two years on trial basis and the same shall be extendable for further period of one year, subject to satisfactory performance and feedback from the field stations / Airports.

4. आपको इस पत्र के जारी होने के एक माह की अवधि के भीतर एवं इसके बाद हर साल मूल्य सूची, फैलोग इंजीनियरिंग स्कॉलर्सिपिल, नियमित मुद्र्यालय-एमआईएस और मानवीकरण को ईमेल द्वारा preferredmake-civil@aai.aero पर भेजें। ऐसा न करने पर भाविप्रा को आपका प्रतिक्रिया रद्द करने का अधिकार है।
You have to submit Price list, Catalogue/Brochure within one month period of issue of this letter to Airports Authority of India, Civil Engg. Wing, CHQ-MIS & Standardization Division by email only at preferredmake-civil@aai.aero, followed by subsequent submission of the same every year, failing which AAI reserves the right to cancel the enlistment of the product(s) / Item(s).

5. भाविप्रा उत्पाद की गुणवत्ता के आधारात के लिए कार्यरक्षल / कारब्राने / विनिर्माण इकाई का नियोजित करने का अधिकार सुरक्षित रखता है। नियमिता / नूत्र उपकरण नियमिता भाविप्रा द्वारा आवश्यकता पड़ने पर उत्पाद के नियोजित की व्यवस्था करेगा।
AAI reserves the right to inspect the work place / factory / manufacturing unit for assurance of product quality. Manufacturer/OEM shall arrange inspection of the product as and when required by the AAI.

6. यह दस्तावेज दिया जाना चाहिए कि उत्पाद रेज, ग्रांड नाम, कार्य का स्थान / संगठन की संरचना / पता / फोटो/ ईमेल आदि में लोड गी परिवर्तन प्रारंभिक दस्तावेजों के साथ ईटारेल के आधारक अधित द्वारा तत्काल इस कार्यालय को ईमेल- preferredmake-civil@aai.aero पर सूचित किया जाएगा।
It may be noted that any change in product range, brand name, location of work / organization structure / address / phone / email, etc. shall be intimated to this office at email id- preferredmake-civil@aai.aero immediately along with relevant documents for necessary updation of database.

7. भाविप्रा के पास बिला कोई कारण बदाए नामांकन रद्द करने का एकमात्र और पूर्ण अधिकार सुनिश्चित है।
AAI reserves the sole and absolute right to cancel the enlistment without assigning any reason thereof.

8. कृपया इस पत्र की पासि के तुरंत बाद है-मेल द्वारा सूचित करें।
Please acknowledge this letter by return mail.

प्रत्ययाद
Thanking You,

अवधीय/ With Regards,

राजेश कुमार माहेश Rakesh Kumar Mawej
उप महानवेष्य (अधि-सिपिल) / DGM(Engg-C)
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India,
नियमित मुद्र्यालय-एमआईएस और मानवीकरण /CHQ-MIS & Standardization,
राजीव गांधी भवन/Rajiv Gandhi Bhawan,
नई दिल्ली/New Delhi-110 003

राजीव गांधी भवन
Rajiv Gandhi Bhawan

सफदरजंग हवाई अड्डा नई दिल्ली-110003
Safdarjung Airport, New Delhi-110003

दरभाष: 011-24632950
Phone : 011-24632950

21/9/23

Power Grid Approval

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(पावर ग्रिड का उद्यम)

POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

Ref.: CC/FQA/2025/JSW/01 Date: 22.01.2025

JSW Steel Limited,
NTH Complex, 4th Floor,
A-2, Shaheed Jeet Singh Marg,
Qutab Institutional Area, New Delhi – 110067,

Kind Attention- Mr. Alok Seth, Sr. Manager – Business Development, JSW Steel Limited
e-mail: alok.seth@jsw.in ; Mob.: +91 9971206159

Subject: Approval to JSW Steel Limited, Dolvi, Raigad, Maharashtra to supply Reinforcement Steel/TMT bars from their plant of Grade Fe500, Fe500D, Fe550, Fe550D, Fe500D CRS & Fe550D CRS for size 8mm to 40mm as per IS 1786 (latest revision)

Sir,

We write in reference to your letter dated 21.10.2024 on the subject matter. Based on the documents submitted and plant visit, we hereby convey approval of JSW Steel Limited, Dolvi, Raigad, Maharashtra to supply TMT Bars (including Cut & Bend Reinforcement Steel) from your plant of Grade Fe500, Fe500D, Fe550, Fe550D, Fe500D CRS & Fe550D CRS for size 8mm to 40mm as per IS:1786 (latest revision) valid from today i.e. 22.01.2025 for two years i.e. upto 21.01.2027 with subject to validity of BIS license.

For supply of TMT bars to POWERGRID, you shall ensure the details as tabulated below:

Regd. Office :	Work Address :
JSW Steel Limited, JSW Centre, Bandra Kurla Complex, Bandra (East) Mumbai – 400051 (Maharashtra)	JSW Steel Limited, Geetapuram, Dolvi, Pen, Raigad – 402107 (Maharashtra)
Trademark/Embossing	JSW NEOSTEEL
BIS Licence No.	7700043212

Further approval shall be considered based upon performance, quality and supplies made during this approval period. Request for renewal of above approval should come at least one month before expiry of this approval. Manufacturer shall be fully responsible for satisfactory performance of approved products. The items supplied shall meet the requirements of POWERGRID specifications and relevant IS standards. If, at any point of time, any abnormality is noticed in this regard, we reserve the right to increase our involvement by way of additional inspection at any stage or withdraw this approval with immediate effect.

In case, no POWERGRID order is executed for more than two years, further extension shall be accorded/considered only after process audit of your works.

With Regards,
एम. अशोक कुमार 22/01/2025
(M. Ashok Kumar)
CGM (FQA), CC

कंपनी कार्यालय: "सौलामिन" प्लॉट नं. 2, सेक्टर 29, मुमुक्षुप - 122001, हरियाणा दूरध्वमें: 0124-2571700-719
Corporate Office: "Soulamin", Plot No. 2, Sector 29, Gurugram-122001, Haryana | Tel: 0124-2571700-719
संपीड़न कार्यालय: बी ९, कुतुब इंस्टीट्यूट लैंड, कल्याण रोड, नई दिल्ली-110 016. दूरध्वमें: 011-26560112, 26560113, 26564812, 26564892, CIN: U40101DL1989GO038121
Registered Office: B-9, Qutab Institutional Area, Kalkaji Sarai, New Delhi-110 016. Tel: 011-26560112, 26560121, 26564812, 26564892, CIN: U40101DL1989GO038121
Website: www.powergridindia.com

Enlisted Vendors

List of Enlisted Vendors				
Reinforcement (conformingto BIS: 432 - 1982 or latest) P0018]				
VENDOR NAME	BRAND	CONTACT NO	EMAIL	REGISTRATION NO
SHREE RAMDOT ROLLERS PVT LTD	SD LION TMT	9851941592	connect@liontmt.com	REG/2023/84
CAPTAIN STEEL INDIA LTD	CAPTAIN	9007188699	rganesh@captainsteel.com	REG/2023/86
Maithan Steel & Power Limited	MAITHAN TMT BAR	7003610731	sushmita@maithansteel.com	REG/2023/101
INCREDIBLE INDUSTRIES LIMITED	ADHUNIKTMT	8584068841	ahmedsif@adhunikgroup.co.in	REG/2023/63
GAGAN FERROTECH LTD	GAGAN	8373055370	anupam.gagan@gmail.com	REG/2023/298
Rungta Mines Limited	RUNGTA STEEL	9381733667	rabindra.mukherjee@rungtasteel.com	REG/2024/54
Super Smelters Ltd	Super Shakti	7603055418	abinash.pathak@supershakti.in	REG/2024/43
Maan steel & Power Limited	MAAN SHAKTI	6292284001	sales@maantmt.com	REG/2024/143
JSW STEEL	Neosteel	7439698211	tathagata.gupta@jsw.in	REG/2024/50
SBEG Consultants Private Limited	Satya Steel	8420895917	asif_sales@shreesatyagroup.com	REG/2024/111
SRMB Srijan Private Limited	SRMB 500+SR	9230066019	partha.das@srmbsteel.com	REG/2024/144
SHAKAMBHARI ISPAT AND POWER LIMITED	ELEGANT , THERMOCON	7003468714	marketing@shakambhargroup.in	REG/2024/39
H P ISPAT PVT LTD	BIRLA TMT RODS	9230501006	kandoi.sons001@gmail.com	REG/2023/35
Shyam Steel Industries limited	SHYAM	9903944048	pranabc@shyamsteel.com	REG/2024/401
Rashmi Metaliks	RASHMI	9727767604	anup.singh@rashmigroup.co.in	REG/2024/353
Nilachal Iron & Power Ltd	Govinda TMT	9147132322	nirmala.sk@nilachal.co.in	REG/2024/138
SHYAM SELAND POWER LIMITED	SEL TIGER	8902498845	sales@shyamgroup.com	REG/2024/347
AMIT METALIKS LIMITED	TRIAM A+	6292259437	info@triamtmt.com	REG/2025/21
Jai Balaji Industries Limited (TMT)	BALAJI SHAKTI & JBG HEXA	7605004996	sujoy@jaibalajigroup.com	REG/2025/101
Girdhan Metal Private Limited	Awadh	8910314015	marketing@girdhanmetal.com	REG/2025/39
ISPAT DAMODAR PRIVATE LIMITED	RAJKON TMT	8649813859	connect@rajkon.com	REG/2025/70



JSW Steel Approvals

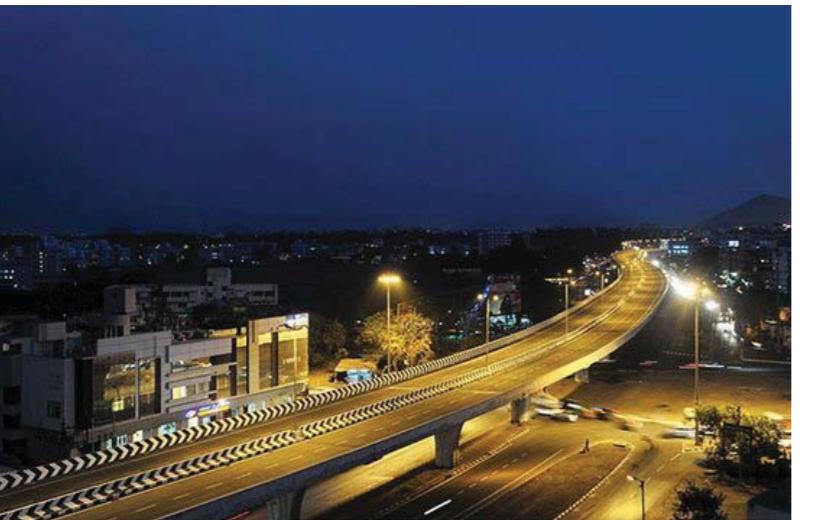
Name of Nodal Agency	Product	JSW Plant
CPWD Customs	TMT Rebar	Dolvi
NMRD	TMT Fe 550 D	Dolvi
KRCL	TMT Fe 550 D	All Plants
BMC Coastal Road	TMT	Dolvi
Rishikesh - RVNL Karanprayag Line	TMT & HR	All Plants
Pune Municipality	TMT	Dolvi
Central Public Works Department (CPWD)	TMT	JSW Steel
Delhi Metro Rail Corporation (DMRC)	TMT	JSW Steel
Rail Vikas Nigam Limited (RVNL)	TMT	JSW Steel
National Highway Authority of India (NHAI)	TMT	JSW Steel
NBCC (India) Limited	TMT	JSW Steel
Bhabha Atomic Research Centre (BARC)	TMT	JSW Steel
Bridge and Roof Company (India) Limited	TMT	JSW Steel
Defence Research and Development Organization (DRDO)	TMT	JSW Steel
Delhi Development Authority (DDA)	TMT	JSW Steel
The Fertilisers and Chemicals Travancore Ltd. (FACT)	TMT	JSW Steel
Rashtriya Chemicals and Fertilisers Ltd.	TMT	JSW Steel
Numaligarh Refinery Limited	TMT	JSW Steel
Central Warehousing Corporation (CWC)	TMT	JSW Steel
Bharat Heavy Electricals Limited (BHEL)	TMT	JSW Steel
National Thermal Power Corporation (NTPC)	TMT	JSW Steel
Rashtriya Raksha University (RRU)	TMT	JSW Steel
Nalanda University	TMT	JSW Steel
Goa State Infrastructure Development Corporation (GSIDC)	TMT	JSW Steel
Tamilnadu Industrial Development Corporation (TIDCO)	TMT	JSW Steel

Landmark Structures Reinforced with JSW Neosteel

ROADS



Yamuna Expressway



Nashik Elevated Corridor Project

AIRPORTS



T2, CSIA, Mumbai Airport



Bengaluru International Airport



T3, Delhi International Airport

Landmark Structures Reinforced with JSW Neosteel

METROS & MONORAILS



Mumbai Monorail



Mumbai Metro

STRUCTURES



Mumbai ATC Tower



Lodha World Towers, Mumbai



Bengaluru Metro



Chennai Metro



Wankhede Stadium

Landmark Structures Reinforced with JSW Neosteel

PLANTS & INSTITUTIONS



Chandrapur Power Plant



Kakrapar Atomic Power Station Project, Gujarat

PLANTS & INSTITUTIONS



Kakinada Power Plant



Kalapakkam Atomic Power Station



Madras Institute of Orthopaedics and Traumatology (MIOT)



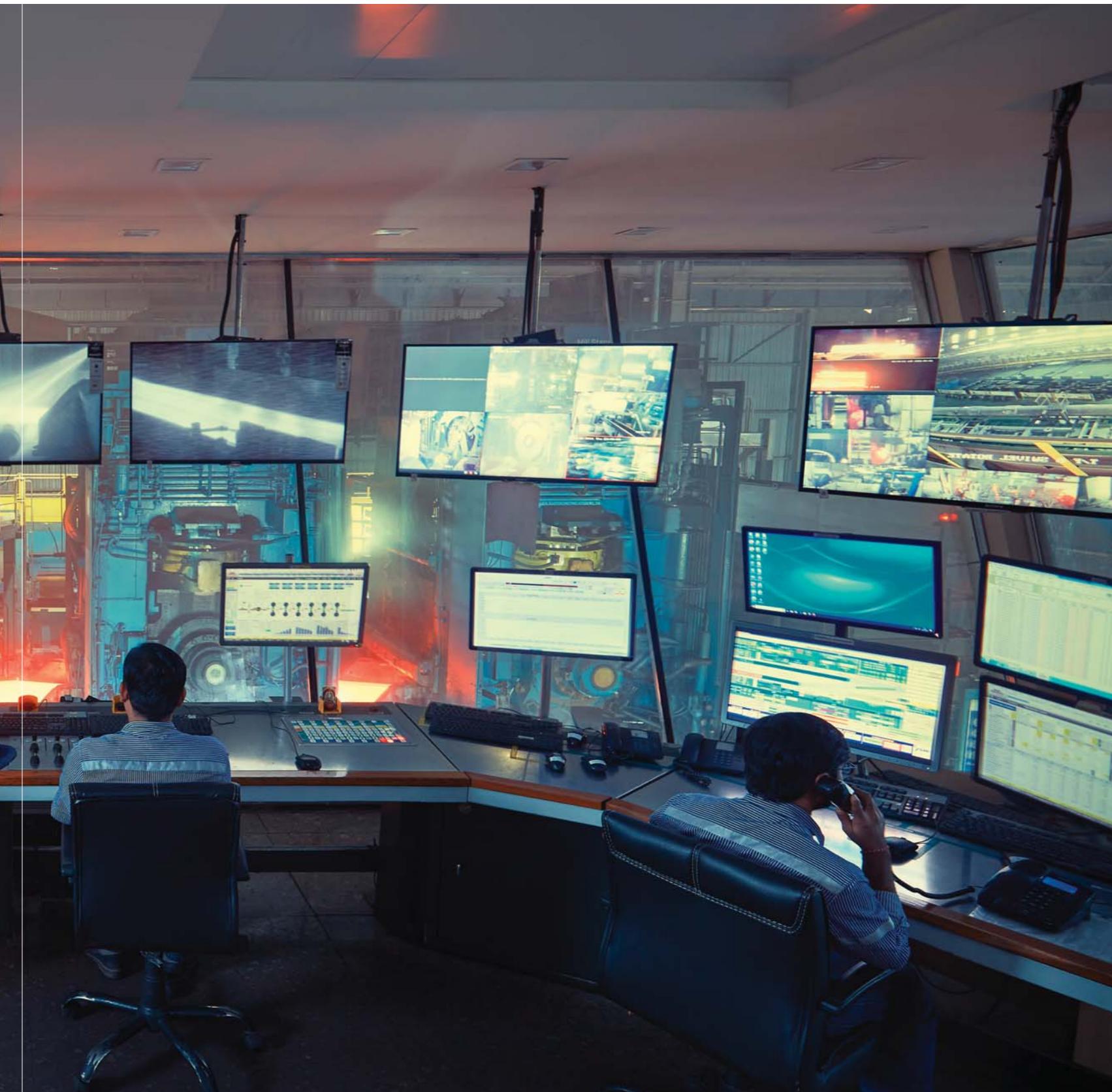
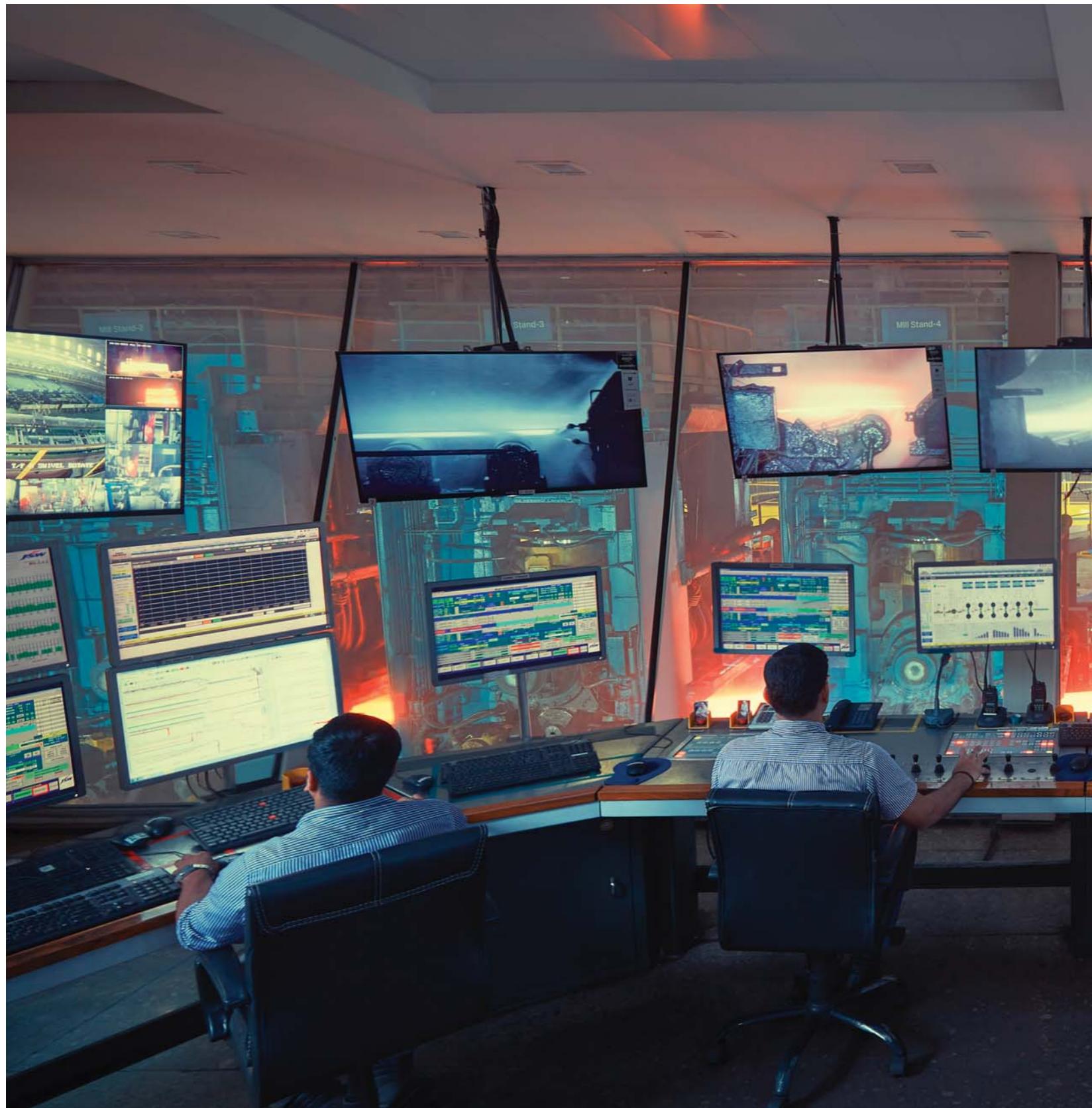
Mangalore Petro Refinery



Vallur Thermal Power Station Project, Chennai



Kattupalli Shipyard Project



Driving sustainability initiatives across platforms

ESG

E

- Climate Change
- Energy
- Resources
- Water Resources
- Waste
- Waste Water
- Air Emissions
- Biodiversity
- Sustainable Mining
- Supply Chain Availability

S

- Indigenous People
- Cultural Heritage
- Employee Wellbeing
- Local Considerations
- Social Sustainability

G

- Business Ethics
- Human Rights
- Supply Chain



Aligned to national & international Driving sustainability initiatives across platforms frameworks



Climate
Change



Social
Sustainability



Human
Rights



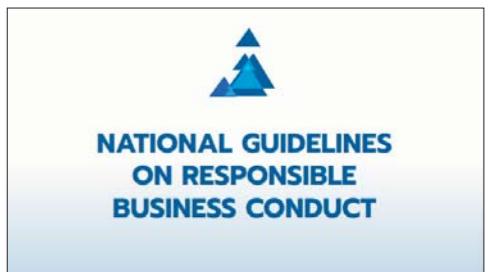
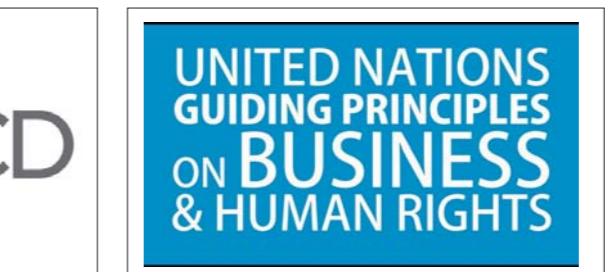
Water
Resources



Biodiversity



Energy



**Awards
& Recognition**



Steel Sustainability Champion for sixth consecutive year



Leadership rating for 4th consecutive year in Climate Change, 'A' rating in Water Security



Global Energy Transition Change makers Award for SEED Project



British Safety Council 5-star rating and Sword of Honor award



Included in the Dow Jones World and Emerging Markets Sustainability Indices



Awarded one of India's Best Workplaces for Women, Health and Wellness and Best Employers among Nation-Builders



JSW becomes fastest growing brand in India over the last 10 years - Interbrand



Received the Iconic Brands of India 2025 Award from ET NOW





● Steel Plants
▲ Downstream Facilities

Sales Office

AHMEDABAD

JSW steel Ltd.
Office No 501/502,Mondeal
Height B-Wing,
Lascon Cross road
Near Novotel Hotel
Opp Karnavati Club, S.G.Highway
Ahmedabad -380054
Mb:08128833390

DELHI

JSW Steel Ltd.
4th Floor, NTH Complex,
A-2, Shaheed Jeet Singh Marg,
Outub Institutional Area,
Near Police HQ,
Lal kothi, Tonk Phatak,
New Delhi - 110067
Tel: (011) 48178600

JAIPUR

JSW Steel Ltd.' 3rd floor, 304-307,
Signature Tower,
Behind Police HQ,
Lal kothi, Tonk Phatak,
Jaipur- 302015 (Rajasthan)
Tel: (0141) 4629200

FARIDABAD

JSW Steel Ltd.
Nain Sadan,
Sector 20A,
Plot No- 35,
A,B,C East Beside ,Prozone Mall
Chikaithana MIDC
Aurangabad
Tel: (0129) 2239248, 2232387

BANGALORE

JSW Steel
121, The Estate
3rd Floor, Dickenson Road
Bengaluru 560 042
TEL:08042448888

BHUBANESWAR

JSW steel Ltd
JSS STP ,2nd Floor , Block B
Infocity, Chandrasekharpur E -I/I
Bhubaneswar-751024
Tel: 0674-6658904

CHENNAI

JSW Steel Ltd Limited,
Olympia Cyber space,
Office Module 3, 10th Floor,
13th Level, 21/22,
Arulymammanpettai, 2nd Steer,
Alandur Road, Guindy,
Chennai 600032
TEL :044 69255300

COIMBATORE

JSW Steel Ltd.
211, 2nd Floor, Sathya Complex,
ESR Avenue Nr Post office,
TV Swamy Road (East),
Coimbatore - 541002
TEL: 07312532156

INDORE

JSW Steel,
Unit no. 416, 4th Floor,
Princes' Business Skypark,
AB Road,
Indore-452010
TEL: 07312532156

HYDERABAD

JSW Steel Ltd.
Babu Khan Millenniaums Centre,
7th Floor, Somajiguda,
Hyderabad -500082
Tel : (040) 27846669 / 79

LUDHIANA

JSW Steel Ltd.,
1st Floor, JSW BPSL Complex,
B-29/542 , G.T Road ,
Dhandari Kalan ,
Ludhiana (Punjab) 141014

MUMBAI

JSW Steel Ltd
VRN House Corporate,
2nd Floor, 38-4-12,
Opp All India Radio,
Beside MG Road,
Punnamma Thota,
Vijaywada - 520010
TEL: 0866 2720500

VIJAYWADA

JSW Steel Ltd
VRN House Corporate,
2nd Floor, 38-4-12,
Opp All India Radio,
Beside MG Road,
Punnamma Thota,
Vijaywada - 520010
TEL: 0866 2720500