SHREE JI STEEL

Shree Ji Steel Private Limited

(Formerly Shree Ji Steel Corporation)

Trusted Source of Steel Solution

LIGHTWEIGHT TMT BAR

Shree Ji Steel Private Limited

Shree Ji Steel Private Limited, formerly known as Shree Ji Steel Corporation, is an ISO-certified company and a leading trader and exporter in India's steel industry. With a legacy spanning 4 generations, we take pride in offering a diverse range of high-quality iron and steel products, upholding our tradition of excellence. We offer PAN India delivery.

Know us better.

120,087 MT+
Steels Delivered

4 Generation
of Experience

11.3K
Happy Customers

99.4%
Clients Satisfaction

Shree Ji Steel Private Limited
+91-7044459444
www.shreejisteelcorp.com
sales@shreejisteelcorp.com

Lightweight TMT Bar

Lightweight TMT Bars are high-strength, thermo-mechanically treated steel bars engineered with reduced weight for enhanced handling and transportation efficiency. They retain superior strength, ductility, and corrosion resistance, making them ideal for modern construction while maintaining structural integrity and performance.

Key Features

- **Length** : 12 meters
- **Sizes :** 08 mm -16 mm
- **Nature :** Ribbed Bar
- Packaged in Bundle
- The HSN Codes are - 72142090, 72149990, 72141090, 72151000
- **Higher uniform elongation**

SHREE JI Steel Corporation

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Other Features

- Manufactured in India from certified billets
- High Strength-to-Weight Ratio – Provides excellent structural support while reducing overall weight
- Provides enhanced seismic resistance due to high elongation
- Thermal Resistance – Capable of withstanding high temperatures

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Lightweight TMT Bar Weight Chart

Diameter in mm	TMT Bar Length In Meters	Weight Per Meter In KG	Weight Per Foot In KG	Weight Per 12 Meter Pcs (weight In KG)	Number of Pieces in 1 Metric Ton	Approximate Running Meter Length In 1 (One) Ton
8mm	12 meter	0.347	0.11	4.164	240	2882
10mm	12 meter	0.52	0.16	6.24	160	1923
12mm	12 meter	0.833	0.25	9.996	100	1200
16mm	12 meter	1.416	0.43	16.992	59	706

Weights are approximate and based on standard density 7850 kg/m³

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Lightweight TMT Bar Bundle Weight

Diameter in mm	Weight Per Bundle	No Of Pcs Per Bundle
08 mm	46-50 KG	12 pcs
10 mm	46-50 KG	08 pcs
12 mm	46-50 KG	05 pcs
16 mm	46-52 KG	3 pcs

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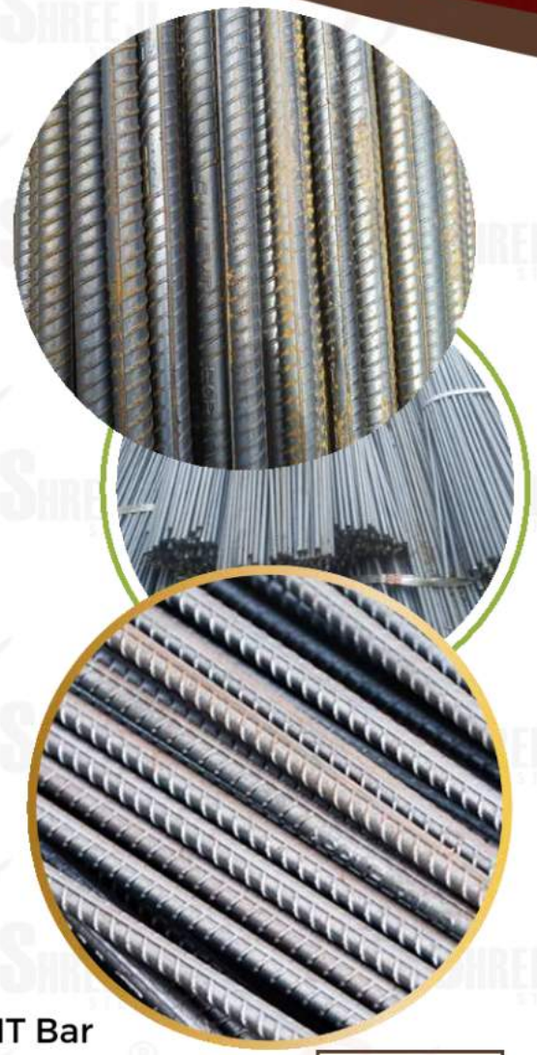
Comparison of Normal and Lightweight TMT

Variant	Lightweight TMT	Normal TMT
	Weight Per PC	Weight Per Pc
08MM	4.164	4.74
10 MM	6.24	7.404
12 MM	9.996	10.656
16 MM	16.992	18.96

Variant	Lightweight TMT	Normal TMT
	No of Pieces in 1 Ton	No of Pieces in 1 Ton
08MM	240	211
10 MM	160	135
12 MM	100	94
16 MM	59	53

CHEMICAL COMPOSITION*

Element/Property	Range/Value
Carbon (%)	0.18 - 0.19
Sulphur (%)	0.026 - 0.028
Phosphorus (%)	0.031 - 0.032
Sulphur & Phosphorus (%)	0.055 - 0.057
%C.E Carbon Equivalent)	0.28 - 0.30
Nitrogen Content	0.007



* *Chemical composition percentage varies with the changing grade and Size of the TMT Bar

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MECHANICAL PROPERTIES**

Property	Value/Range
0.2% Proof Stress / YS N/mm² (min)	530
0.2% Proof Stress / YS N/mm² (max)	550
Tensile Strength (N/mm²)	635
TS/YS Ratio	1.19
Elongation (%)	22
Total Elongation at max force (%)	8.2
Bend Test	OK
Re-bend Test	Pass

** Mechanical Properties changed with the changing size and grade of the tmt bar.

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Name of the Company
Company Address:

ificate No: CD/205F9C/312

MILL TEST CERTIFICATE

CM/L – 550XXXXXXX

TEST CERTIFICATE FOR HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL

To M/S

Shree Ji Steel Private Limited
J-1/12, Block EP & GP, Sector 5, Salt Lake,
Bidhannagar, Kolkata, West Bengal 700091

We Certify that the Material described below fully conforms to IS 2062:2011, Chemical composition and Mechanical properties of the product, as tested in accordance with the scheme of Testing and Inspection contained in the BIS Certification Marks Licence No. CML 550XXXXXXX are as indicated below against each order No
Please refer to IS 2062 - 2011 for details of specification requirements.

TEST RESULTS

					Chemical Properties							Mechanical Properties								
Ord No & Dt.	Section	Control Unit No.	Grade/ Quality	QTY (MT)	C (%)	S (%)	P (%)	Si (%)	Mn (%)	Cu (%)	Oth (%)	CE (%)	Yield Stress %	Bend (%)	UTS (MPa)	Elonga %	Impact Test	Crackability	Opt.	Remark
RDC-0121	ISRO 12	2305263	E250-A	60	0.17	0.024	0.040	0.18	0.75	N/A	N/A	0.30	319	OK	492	26.80	N/A	N/A	NIL	Satisfactory
					0.19	0.026	0.037	0.19	0.82	N/A	N/A	0.32	463	OK	463	25.30	N/A	N/A	NIL	Satisfactory
RDC-0122	ISRO 10	2305264	E250-A	60	00.23	0.022	0.029	0.19	0.82	N/A	N/A	0.37	314	OK	493	32.90	N/A	N/A	NIL	Satisfactory
					0.18	0.026	0.042	0.18	0.66	N/A	N/A	0.29	307	OK	514	33..60	N/A	N/A	NIL	Satisfactory

Invoice No. 5KDG25/24-25/01325

106CF 9985

QUALITY AND CERTIFICATIONS

ISO 10002:2018 CUSTOMER SATISFACTION

SA 8000:2014 COMPANY

ISO 27001:2013

ISO 14001:2015

ISO 50001:2018

ISO 9001:2015

Shree Ji Steel is ISO Certified Steel Trader, Supplier, and Exporter

We are Authorized Dealer of SAIL सेल SAIL & RINL राष्ट्रीय इस्पात निगम लिमिटेड RASHTRIYA ISPAT NIGAM LIMITED

WHY CHOOSE US?

- Pan India Delivery Facility
- Dedicated Customer Support
- Live Vehicle tracking facility
- Comprehensive Insurance Coverage
- Transparent Live Pricing of Products & market trend
- ISI Certified Materials
- Trusted Source of Steel Solution for 4 Generations
- Live Photo Sharing After Loading and Other Steps

SJ SHREE JI Steel Corporation ®

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OUR OFFICE LOCATED IN

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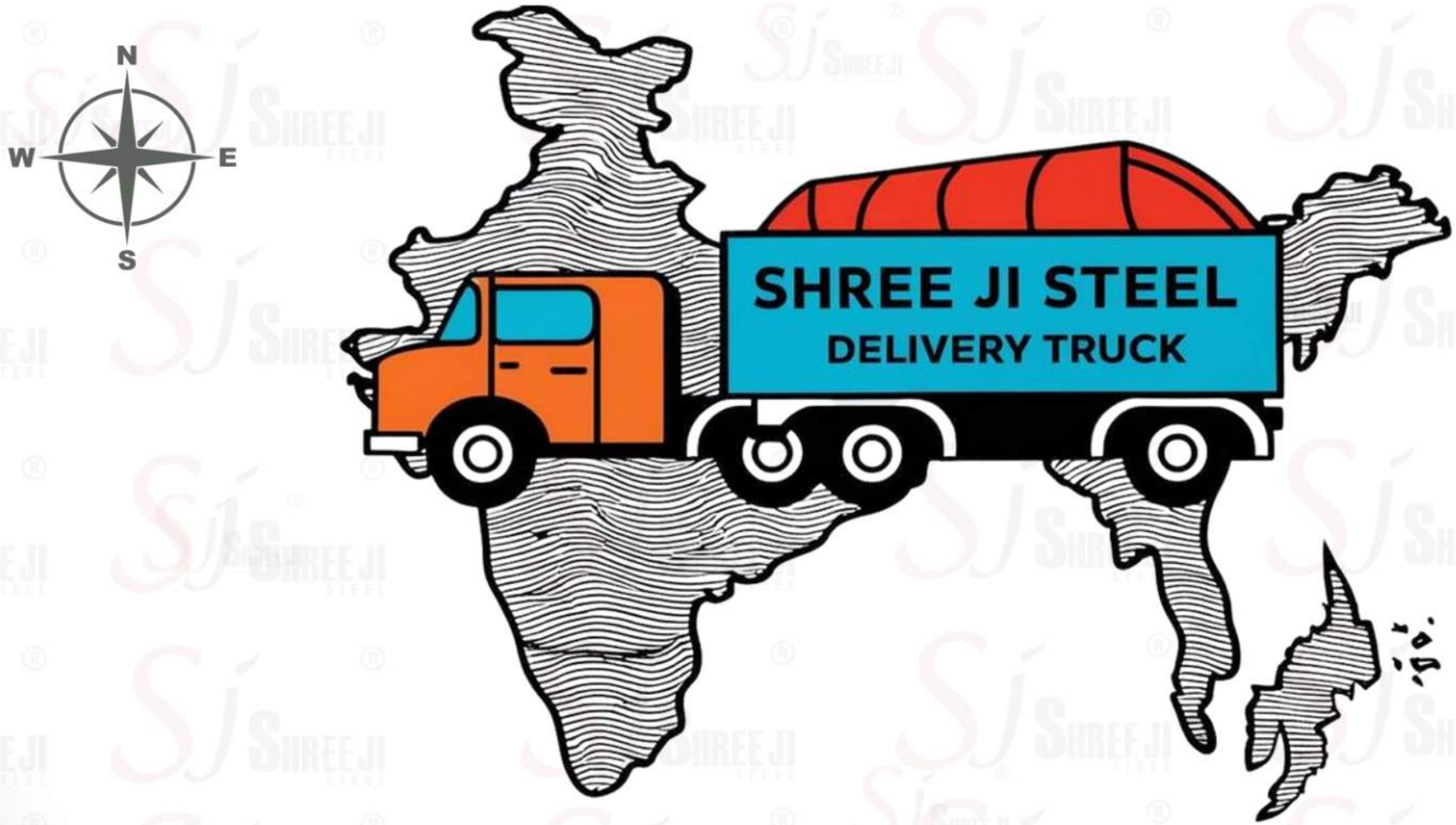
SHREE JI OFFER PAN-INDIA DELIVERY



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Testimonials & Clientele

indiamart

1297 Reviews

We are rated **4.1 out of 5** on Indiamart.

181 Reviews

We are rated **4.8 out of 5** on Google.

trade india.

We are rated **4.1 out of 5** on Tradeindia.

Justdial

256 Reviews

We are rated **4.6 out of 5** on Justdial.

Ademo Rory
5 reviews • 0 photos

★★★★★ 21 weeks ago

Good customer service received from Shree Ji steel company and good to work in the future as well. A big thank you from Nagaland.

Manoj Agarwal
3 reviews • 2 photos

★★★★★ 26 weeks ago

Timely delivery & nice follow up from purchase order to delivery at every stage

Patgiri Enterprise
3 reviews • 9 photos

★★★★★ 4 weeks ago NEW

I have bought iron from Shree Ji Steel Privete Limited several times and every time I get the weights right.
The staff of Shree Ji Steel Privete Limited is very polite and courteous.
I wish them good luck.
Thank you.
Regards

The Directors of Shree Ji Steel

Satish Gupta

Jatin Gupta

https://www.linkedin.com/in/jatingupta12/

Karan Gupta

https://www.linkedin.com/in/karan-gupta-shreeji/

facebook

facebook.com/shreejisteelcorporation

40K+ Followers

Instagram

instagram.com/shree_ji_steel_corporation/

3.5 K+ Followers

LinkedIn

linkedin.com/company/shree-ji-steel-corporation

1224 Followers

SJ SHREE JI Steel Corporation ®

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Other Products

Available at Shree Ji Steel

- TMT Bars (SAIL, RINL, Other Primary and Secondary Brands)
- MS Angle
- MS Channel
- MS Joist / I Beam / H Beam / NPB / Universal Beams / Universal Columns
- MS Flat
- MS Round
- MS Square
- MS Plate & Chequered Plate
- Wire Rod
- HB Wire
- Binding Wire
- MS Pipe
- Hot Dip Galvanized Steel

& Many More.

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For More Details Click here