Shree Ji Steel Private Limited

(Formerly Shree Ji Steel Corporation)

Trusted Source of Steel Solution

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
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www.shreejisteelcorp.com
sales@shreejisteelcorp.com

TMT Bar

TMT bars (Thermo-Mechanically Treated bars) are high-strength reinforcement steel used in construction. They undergo a special heat treatment process, making them strong, ductile, and corrosion-resistant.

Key Features

- **Size:** 4.5mm to 32 mm
- **Sizes are-** 4.5mm, 4.7mm, 5.2 mm, 5.5mm, 08mm, 10mm, 12mm, 16mm, 20mm, 25mm, 28mm, 32mm.
- **Length:** 12 Meters
- **Grade** : FE500/FE500+/FE500D/FE550/ FE550+/FE550D/FE600
- HSN Code : 72131090, 72141090, 72142090, 721499, 72149990, 72151000.
- Made from Standardised Materials
- TMT in Coil Form available in sizes 4.5mm & 10mm

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Other Features

- **Sizes** of Coil are - 4.5mm, 4.7mm, 5.2 mm, 5.5mm, 06mm, 07mm, 08mm, 10mm
- **Shape** : Ribbed Bar is available
- TMT bars are made in Bharat
- RDSO (Research Design and Standards Organisation) and MES (Military Engineering Service) Approved Brands Available.
- **Manufacturing Process**: The thermo-mechanical treatment, quenching, self-tempering, and atmospheric cooling.
- ISI marked and Certified Materials available
- Packaging : Packaged in Bundles.
- Mill Test Certificate can be delivered.

* Primary branded materials can be used in the MES Projects

** Railways approved primary branded materials can be provided

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Available Brands

- SAIL (Steel Authority of India Limited)
- RINL (Rashtriya Ispat Nigam Limited)
- JSW (Jindal Steel Works)
- JSPL (Jindal Steel and Power Limited)
- ESSAR Steel

& Many Other Rolling Brands Available

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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)	Approx Number of Pieces in 1 Metric Ton	Approximate Running Meter Length In 1 (One) Ton
5.5mm	12 meter	0.154	0.05	1.848	541	6494
8mm	12 meter	0.395	0.12	4.74	211	2532
10mm	12 meter	0.617	0.19	7.404	135	1621
12mm	12 meter	0.888	0.27	10.656	94	1126
16mm	12 meter	1.580	0.48	18.96	53	633
20mm	12 meter	2.470	0.75	29.64	34	405
25mm	12 meter	3.850	1.17	46.2	22	260
28mm	12 meter	4.830	1.47	57.96	17	207
32mm	12 meter	6.310	1.92	75.72	13	158

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CHEMICAL COMPOSITION*

TMT BAR CHEMICAL COMPOSITION					
Percent, Maximum					
Constituent	Fe 500 Chemical Composition	Fe 500 D chemical composition	Fe 550 chemical composition	Fe 550 D chemical composition	Fe 600 chemical composition
Carbon Content in TMT Bars	0.3	0.25	0.3	0.25	0.3
Sulphur	0.055	0.04	0.055	0.04	0.04
Phosphorus	0.055	0.04	0.05	0.04	0.04
S & P	0.105	0.075	0.1	0.075	0.075

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

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MECHANICAL PROPERTIES**

Sizes	0.2% Proof Stress / YS (N/mm²)	0.2% Proof Stress / YS (N/mm²)	Tensile Strength (N/mm2)	TS/YS Ratio	Elongation (%)	Total Elongation at max force (%)	Bend Test	Re-bend Test
5.5mm	528	540	632	1.19	18.2	7.7	ok	Pass
8mm	534	549	639	1.19	22.2	8.8	ok	Pass
10mm	534	549	636	1.19	22.2	8.2	ok	Pass
12mm	525	518	632	1.19	20	8.8	ok	Pass
16mm	530	548	634	1.19	22.1	8.2	ok	Pass
20mm	528	546	632	1.19	20	8.2	ok	Pass
25mm	528	540	632	1.19	19.8	8.74	ok	Pass
28mm	530	540	632	1.19	19.8	7.78	ok	Pass
32mm	528	540	632	1.19	20.54	8.64	ok	Pass

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

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Tolerance

Tolerance of TMT bar adheres to standard of IS 1786: 2008

- **Tolerances on Nominal Mass** can be varied based on the size of TMT bar. For Nominal size of 5.5mm to 10mm, the Batch mass tolerance is ±7% and individual sample tolerance is -8%.
- For Nominal size from 10mm and Upto including 16mm, the Batch mass tolerance is ±5% and individual sample tolerance is -6%.
- For Nominal size above 16mm, the Batch mass tolerance is ±3% and individual sample tolerance is -4%.
- If bars/wires are specified to be cut to certain lengths, each bar/wire shall be cut within deviations of +75 / -25 mm on the specified length, but if minimum lengths are specified, the deviations shall be +50mm/ 0mm.

MILL TEST CERTIFICATE

Company Name

Company Logo

Regd. Office:
Works Office:
E-mail:
CIN No.:

IS 1786
CM/L 5100157282

TEST CERTIFICATE FOR HIGH STRENGTH DEFORMED STEEL BARS AND WIRES FOR CONCRETE REINFORCEMENT

TEST CERTIFICATE NO. HRI-299/2024-25 **DATE.** 31/07/24

A/C **Shree Ji Steel Private Limite**

We certify that the material described below fully conforms to IS: 1786-2008. Chemical composition and mechanical Properties of the product as tested in accordance with the Scheme of Testing and Inspection contained and attached with the document for ISI Certification Marks License No. CM/L- 5100157282 are as indicated against each requirments.

(PLEASE REFER TO IS: 1786-2008 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Order NO. & Date	Nominal Size mm	Cast/ Heat/ Lot No.	Quantity MT	Date of Testing	CHEMICAL ANALYSIS C %	S %	P %	S&P %	CE %	Nitrogen content %	Strengthening elements %	Alloying elements %	MECHANICAL PROPERTIES 0.2% Proof Stress/YS N/mm² min	0.2% Proof Stress/YS N/mm² max	Tensile strength N/mm²	TS/YS ratio	Elongation %	Total elongation at maximum force %	Bend Test	Re Bend Test	Grade of Steel	Remarks
VERBAL	8 mm	/08/ 07/2024-25	9.880	27/07/ 2024	0.20	0.030	0.040	0.070	0.34	0.0042	NA	NA	559	NA	625	1.12	21.5	08.05	OK	OK	Fe-550D	SATISFACTORY
					0.23	0.031	0.041	0.072	0.37				578		664	1.15	23.9	09.55				
	10 mm	/07/ 07/2024-25	10.090	26/07/ 2024	0.21	0.032	0.041	0.073	0.34		NA	NA	557	NA	628	1.13	20.3	07.39	OK	OK	Fe-550D	
					0.23	0.033	0.042	0.075	0.37				578		662	1.15	23.3	10.05				
	12 mm	/06/ 07/2024-25	4.900	25/07/ 2024	0.21	0.031	0.041	0.072	0.35		NA	NA	561	NA	629	1.12	20.8	08.05	OK	OK	Fe-550D	
					0.23	0.032	0.042	0.074	0.38				580		654	1.13	23.5	10.27				
	16 mm	/05/ 07/2024-25	4.910	24/07/ 2024	0.22	0.032	0.040	0.072	0.34		NA	NA	560	NA	630	1.13	20.8	07.69	OK	OK	Fe-550D	
					0.23	0.033	0.041	0.074	0.37				579		665	1.15	23.3	10.24				
	20 mm	/04/ 07/2024-25	4.600	23/07/ 2024	0.21	0.030	0.041	0.071	0.32		NA	NA	565	NA	631	1.12	20.9	07.56	OK	OK	Fe-550D	
					0.22	0.031	0.042	0.073	0.37				577		659	1.14	22.9	09.90				

The Material Supplied conforms to the standard Rolling and Mass tolerances.

Surface Defects
a) Piping: Absent
b) Other Defects: Absent

REMARKS:
SHIPPING ADVICE NO. GST-1886
WAGONS/ LORRY NO. AS-08C/2214

CHIEF METALURGIST / LAB MANAGER
FOR I

TMT Bar Grades & Standards

Grade of TMT Bar - IS : 1786 - 1985

International Equivalents

IS 1786 Grade	ASTM	JIS	BS	EN	GB
Fe 415	ASTM A615 (Grade 60)	SD390	B500A	B500A	HRB335
Fe 500	ASTM A615 (Grade 75)	SD490	B500B	B500B	HRB400
Fe 500D	ASTM A706	-	B500C	B500C	-
Fe 550	-	-	-	-	HRB500

TMT Bar Prices

TODAY DURGAPUR RATE

For Current Updated Price

CLICK HERE

TODAY RAIPUR RATE

For Current Updated Price

CLICK HERE

TODAY RAIGARH RATE

For Current Updated Price

CLICK HERE

TODAY PUNJAB RATE

For Current Updated Price

CLICK HERE

TODAY JALNA RATE

For Current Updated Price

CLICK HERE

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What Customers Ask ?

Can I place an order below the MOQ in urgent cases?

✓ **We have set a specific MOQ for all the materials delivered by Shree Ji Steel Private Limited. In case you have an order volume below the MOQ, please connect with our sales team.**

Can I mix different sizes/types in a single order?

✓ **Yes, you can mix different sizes and types in a single order.**

In what form do you supply TMT Coils, cut to length, or in bundles?

✓ **We, at Shree Ji Steel Private Limited, supply TMT Coil in bundle.**

Would the bars supplied by Shree Ji Steel have BIS certification embossed?

✓ **All TMT bars comply with BIS standards, with certification embossed.**

QUALITY AND CERTIFICATIONS

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

We are Authorized Dealer of SAIL & RINL

सेल SAIL

राष्ट्रीय इस्पात निगम लिमिटेड
RASHTRIYA ISPAT NIGAM LIMITED

SHREE JI Steel Corporation

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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

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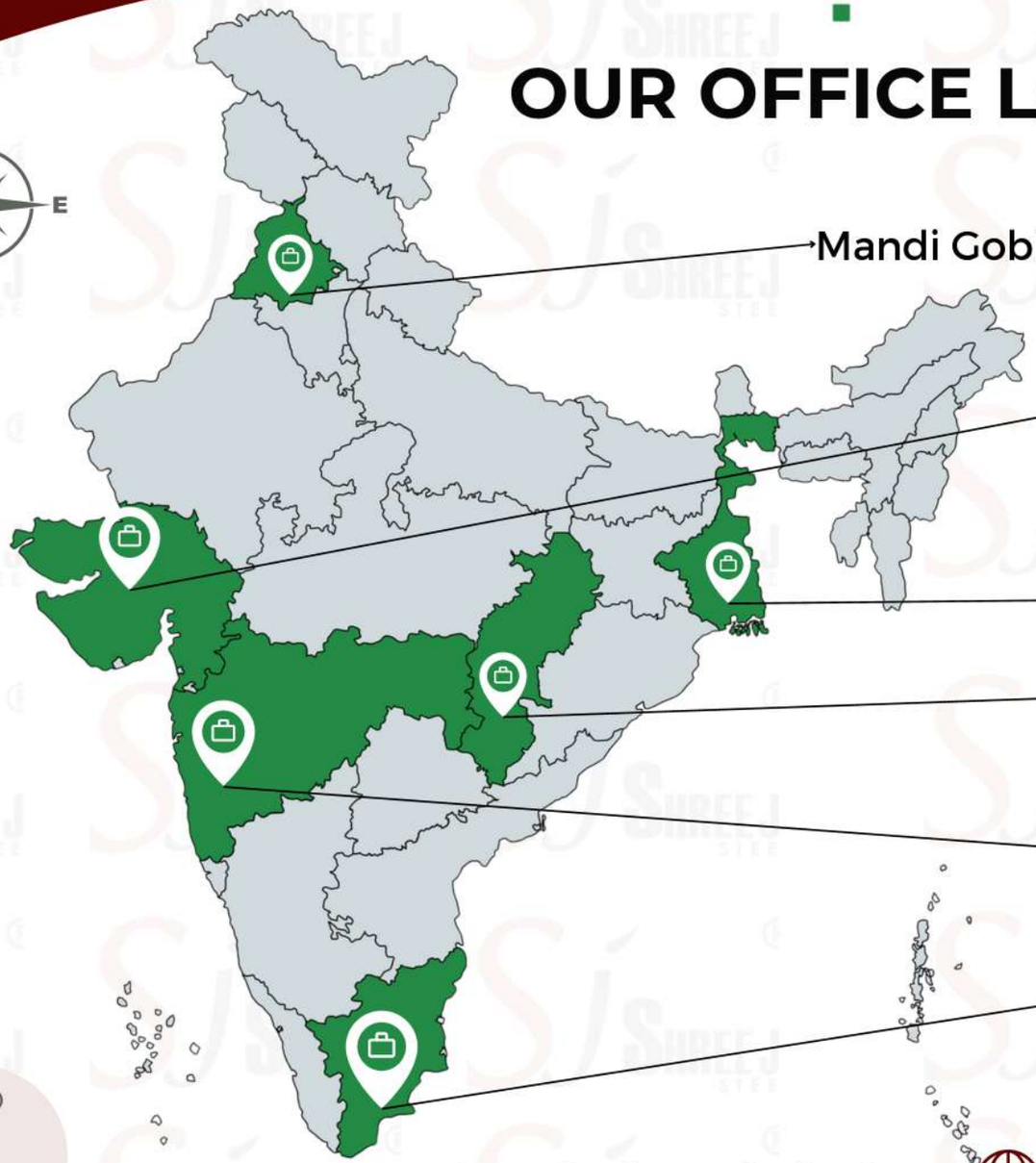
OUR OFFICE LOCATED IN



Mandi Gobindgarh, Punjab

Ahmedabad, Gujarat

Kolkata, West Bengal

Raipur, Chattisgarh

Mumbai, Maharastra

Chennai, Tamilnadu

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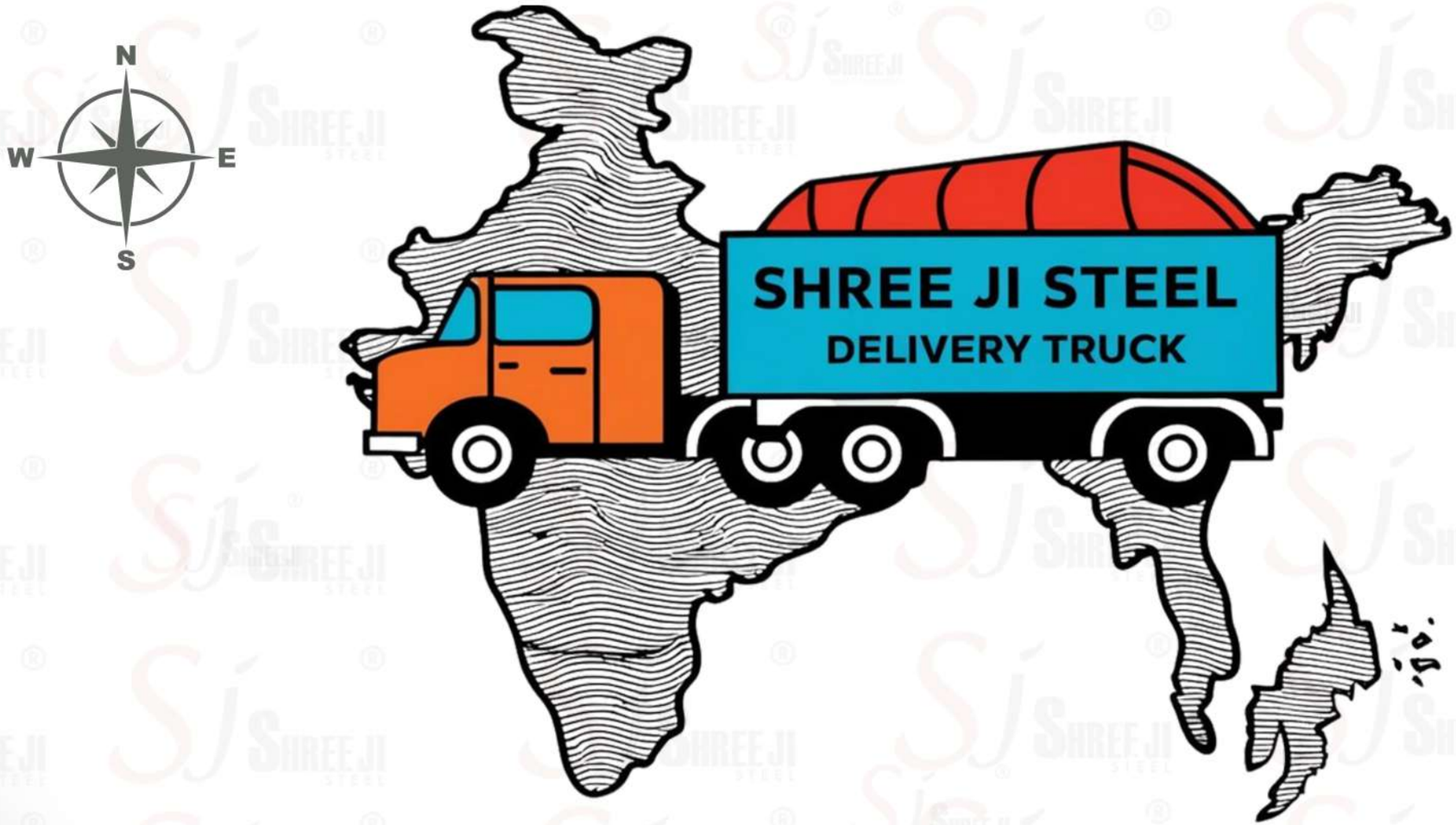
SHREE JI OFFER PAN-INDIA DELIVERY



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Testimonials & Clientele

1297 Reviews

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

181 Reviews

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

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

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

Karan Gupta

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

Jatin Gupta

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

facebook.com/shreejisteelcorporation

40K+ Followers

instagram.com/shree_ji_steel/

3.5 K+ Followers

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

1224 Followers

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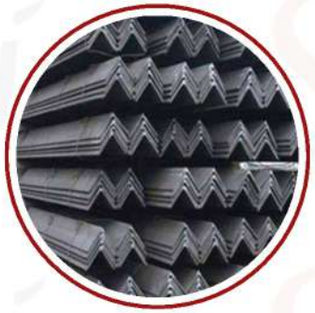
Other Products

Available at Shree Ji Steel

TMT Bar



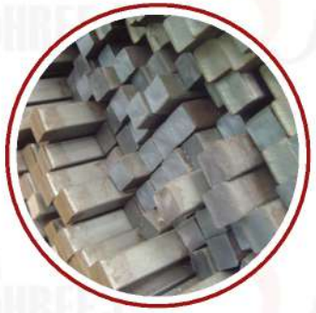
MS Angle

MS Channel

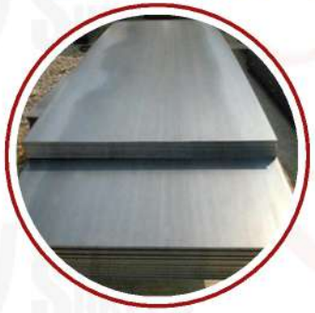
MS Beam

MS Flat Bar

MS Round Bar



MS Square Bar



MS Plate

Chequered Plate

MS Pipe

Binding Wire

Wire Rod

Galvanised Angle

Galvanised Flat Bar

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Other Product Ranges

Available at Shree Ji Steel

Products	Size range available
TMT Bar	4.5mm to 32mm
Lightweight TMT bar	08mm to 16mm
MS Angle	19*19*3mm to 200*200*25mm
MS Channel	75*40mm to 400*100mm
MS Beam/ISMB	100*50mm to 600*210mm
NPB	100 *55 mm to 750*270mm
WPB	160*160mm to 300*300mm
UB (Universal Beam)	UB 203*133 to UB 610*229
UC (Universal Column)	UC 152 *152 to UC 356*406
MS Flat Bar	12*3mm to 500*50mm
MS Round Bar	05 mm to 125mm

Products	Size range available
MS Square bar	06mm to 75 mm
MS Plate	1.6mm to 50mm
Chequered Plate	2.5mm to 10mm
MS Round Pipe	15mmNB to 600mmNB
MS Square Pipe	15*15mm to 400*400 mm
MS Rectangular Pipe	40*20 mm to 400*200 mm
Binding wire	18 SWG to 23 SWG
HB Wire	06 SWG to 14 SWG
Wire Rod	5.5mm to 12mm
Ribbed Coil	4.5mm to 10mm

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