



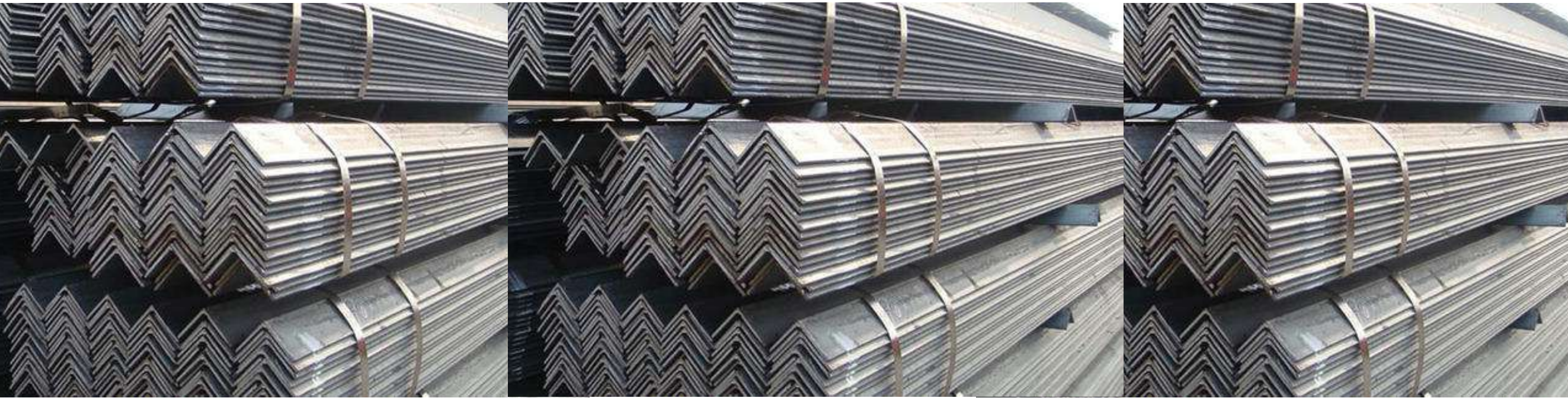
Shree Ji Steel Private Limited

(Formerly Shree Ji Steel Corporation)

Trusted Source of Steel Solution



SAIL ANGLE





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



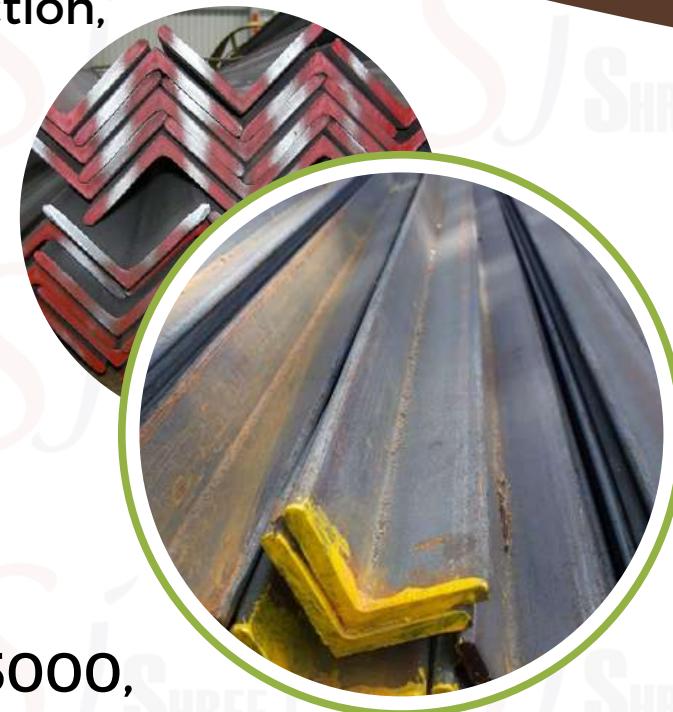


SAIL Angle

SAIL Angle refers to steel angles manufactured by the Steel Authority of India Limited (SAIL). These L-shaped structural components are used in construction, infrastructure, and engineering projects.

Key Features

- ✓ **Size Range** : 50x50x6mm to 200x200x25 mm
- ✓ **Length** : Can be between 11m to 13m. Fix 12m can be supplied.
- ✓ **Leg Length** : Can be in the range of 50mm to 200mm.
- ✓ **Thickness**: Can be varied from 06mm to 25 mm.
- ✓ **HSN Codes** : 72161000, 72162100, 72163100, 72164000, 72165000, 72169930, 72169990
- ✓ Made from the House of **Steel Authority of India Limited (SAIL)**



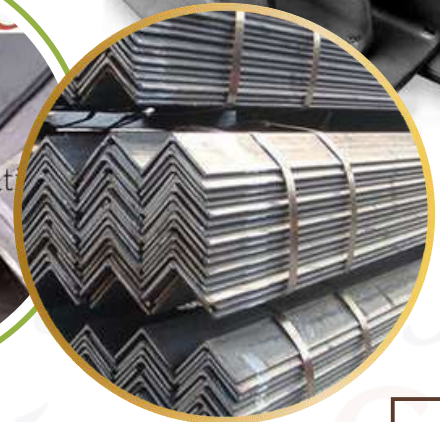
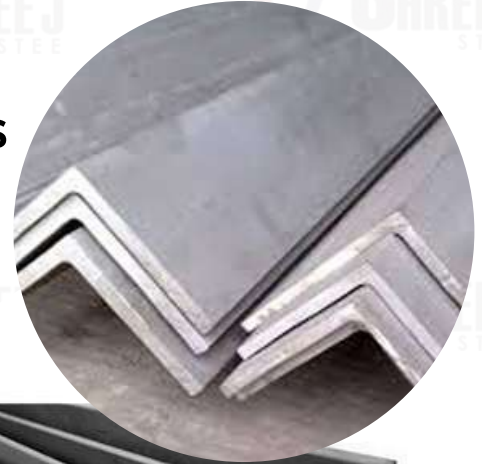
*Can be provided upon request





Other Features

- ✓ RITES Inspection Facility Available. *
- ✓ SAIL Angles are RDSO (Research Designs and Standards Organization) Approved
- ✓ SAIL Angles are approved for MES (Military Engineer Services) Projects
- ✓ Mill Test Certificate Will be provided.
- ✓ Dimensional Tolerance will adhere to IS 1852: 1985





We are Authorised Dealer of SAIL





SAIL Angle Weight Chart

Size (in mm)	Weight Per Meter In KG	Weight Per Foot In KG	Weight Per 12 Meter Pcs	Approximate Pieces In 1 Ton (single Piece Length 12 Meter)	Approximate Running Meter Length In 1 (one) Ton
50*50*6mm	4.49	1.37	53.88	19	222.72
65*65*6mm	5.91	1.80	70.92	14	169.20
65*65*8mm	7.73	2.36	92.76	11	129.37
65*65*10mm	9.49	2.89	113.88	9	105.37
75*75*6mm	6.86	2.09	82.32	12	145.77
75*75*8mm	9.00	2.74	108.00	9	111.11
75*75*10mm	11.07	3.37	132.84	8	90.33
80*80*6mm	7.36	2.24	88.32	11	135.87
80*80*8mm	9.65	2.94	115.80	9	103.63
80*80*10mm	11.88	3.62	142.56	7	84.18
90*90*6mm	8.32	2.54	99.84	10	120.19
90*90*8mm	10.92	3.33	131.04	8	91.58
90*90*10mm	13.47	4.11	161.64	6	74.24





SAIL Angle Weight Chart

Size (in mm)	Weight Per Meter In KG	Weight Per Foot In KG	Weight Per 12 Meter Pcs	Approximate Pieces In 1 Ton (single Piece Length 12 Meter)	Approximate Running Meter Length In 1 (one) Ton
100*100*6mm	9.26	2.82	111.12	9	107.99
100*100*8mm	12.18	3.71	146.16	7	82.10
100*100*10mm	15.04	4.58	180.48	6	66.49
100*100*12mm	17.83	5.43	213.96	5	56.09
110*110*10mm	16.60	5.06	199.20	5	60.24
110*110*12mm	19.70	6.00	236.40	4	50.76
130*130*10mm	19.70	6.00	236.40	4	50.76
130*130*12mm	23.50	7.16	282.00	4	42.55
150*150*10mm	22.93	6.99	275.16	4	43.61
150*150*12mm	27.29	8.32	327.48	3	36.64
150*150*16mm	35.80	10.91	429.60	2	27.93
200*200*16mm	48.53	14.79	582.36	2	20.61
200*200*20mm	59.96	18.28	719.52	1	16.68
200*200*25mm	73.90	22.52	886.80	1	13.53

Weight based on steel density: 7850 kg/m³ (as per IS 808)

Weights are approximate and may vary based on rolling tolerances.





Technical Specifications of SAIL Angle

CHEMICAL COMPOSITION

SAIL MS ANGLE CHEMICAL COMPOSITION: (IN % MAXVALUES)								
Grade	Quality	Ladle Analysis, Wt % Max					Carbon Equivalent, Max	Mode of Deoxidation
		C	Mn	S	P	Si		
E 250	A	0.23	1.5	0.045	0.045	0.4	0.42	Semi Killed / Killed
	BR, BO	0.22	1.5	0.045	0.045	0.4	0.41	Semi Killed / Killed

MECHANICAL PROPERTIES

SAIL Angle MECHANICAL PROPERTIES: (IN % MAXVALUES)										
Grade Designation	Quality	Tensile Strength Rm Min MPa	Yield	Stress MPa	Min	Percentage Elongation A, at Gauge Length, L = 5.65 VS Min	Min	Internal Bend	Charpy Impact Test	
			≤20	20-40	> 40		< 25	> 25	Temp °C	J. Min
E - 250	A	410	250	230	23	23	2t	3t	-	-
	BR								RT	27
	BO								0	27





Tolerance of SAIL Angle

- ✓ **Out-of-Square Tolerance** : Angular deviation between legs must not exceed $\pm 1.0^\circ$ from perfect perpendicularity (90°).
- ✓ **Tolerance on Leg length:**
 - For legs ≤ 45 mm: ± 1.5 mm deviation.
 - For legs > 45 mm to ≤ 100 mm: ± 2.0 mm deviation.
 - For legs > 100 mm: +2% of the nominal leg length (no negative tolerance specified).
- ✓ **Critical Observations:**
 - The tolerance for legs > 100 mm is asymmetric (only positive deviation allowed).
 - All tolerances are measured at ambient temperature (20°C).

- ✓ **Weight Tolerance**

Thickness	Tolerance on Weight per Metre
≤ 3 mm	$\pm 5\%$ (symmetric)
> 3 mm	+5% / -3% (asymmetric)



MILL TEST CERTIFICATE



STEEL AUTHORITY OF INDIA LIMITED

J.L.No.22 Plot No 1472 & 2742 (Part), P.O. & P.S.-Barjora, Dist-Bankura, West Bengal.
WLA of SAIL for the year 2019-23 (Code WE3)
TEST CERTIFICATE FOR HOT ROLLED, MEDIUM & HIGH TENSILE STRUCTURAL STEEL

WEF:12/12/2017 Rev-00

IS 2062-2011



CM/L-5502453

TEST CERTIFICATE No.SAIL/SURYA/ 6634

Date: 13.03.2023
Product*

We certify that material described below fully conforms to IS 2062:2011, chemical composition and mechanical properties of the product in accordance with the scheme of testing and inspection contained in the BIS certification marks Licence No. CM-5502453 are as indicated below against each order no.
(PLEASE REFER TO IS 2062:2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

Order No. & date	*Nominal Size (mm)	Cast / Lot No.	Quantity (MT)	Testing Date	CHEMICAL ANALYSIS							CE	Impact Test(J)	MECHANICAL PROPERTIES				Grade
					C%	S%	P%	Si%	Mn%	Cr%	Other			YS Mpa	UTS Mpa	El%	Bend Test	
Requirement value as per IS 2062:2011, Grade Designation: E250 Quality-A					Min	-	-	-	-	-	-	-	-	250	410	23	-	
					Max	0.23	0.045	0.045	0.40	-	-	0.42	-	-	-	-		
					Min	-	-	-	-	-	-	-	27	250	410	23	-	
					Max	0.22	0.045	0.045	1.50	-	-	0.41	-	-	-	-		
					Min	-	-	-	-	-	-	-	27	250	410	23	-	
					Max	0.22	0.045	0.045	1.50	-	-	0.41	-	-	-	-		
					Min	-	-	-	-	-	-	-	-	250	410	23	-	
					Max	0.23	0.045	0.045	0.40	1.50	0.35	0.42	-	-	-	-		
3488470-10.03.2023	ANGLE	SA/WE3/927	20.510	13&14.02	0.18	0.024	0.016	0.18	0.68	-	0.29	36.0	301.8	491.7	27.7	SATISFACTORY	IS:2062 E250-BR	
	23			0.20	0.027	0.022	0.25	0.77	-	0.33	40.0	329.8	523.8	29.0				
	ANGLE	SA/WE3/938	11.830	24&25.02	0.18	0.027	0.018	0.14	0.68	-	0.30	36.0	295.0	479.7	27.0	SATISFACTORY	IS:2062 E250-BR	
	23			0.20	0.029	0.026	0.23	0.79	-	0.32	42.0	344.3	513.6	30.5				
	TOTAL-		32.340															
DOCUMENT NO.				18032966				The material supplied conforms to the specified dimension and tolerances, As per IS-808 & 1852										
TRUCK / WAGON NO.				V-181E/7093														
Remarks: Calibration of Testing Equipment is done periodically as per NABL Accreditation.																		
Authorised Signatory RITES LIMITED																		





SAIL Angle Grades & Standards

✓ Grade of SAIL Angle - **IS2062 E250**

International Equivalents

- = ASTM Standard : ASTM A36
- = Japanese Standard : JIS SS400
- = British Standard : BS 43A
- = European Standard : S235JR (EN 10025)
- = Chinese Standard (GB) : GB Q235B





KNOW MORE ABOUT SAIL ANGLE

Know More

CLICK HERE



Contact with the Sales Team for Updated Price Today





QUALITY AND CERTIFICATIONS



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



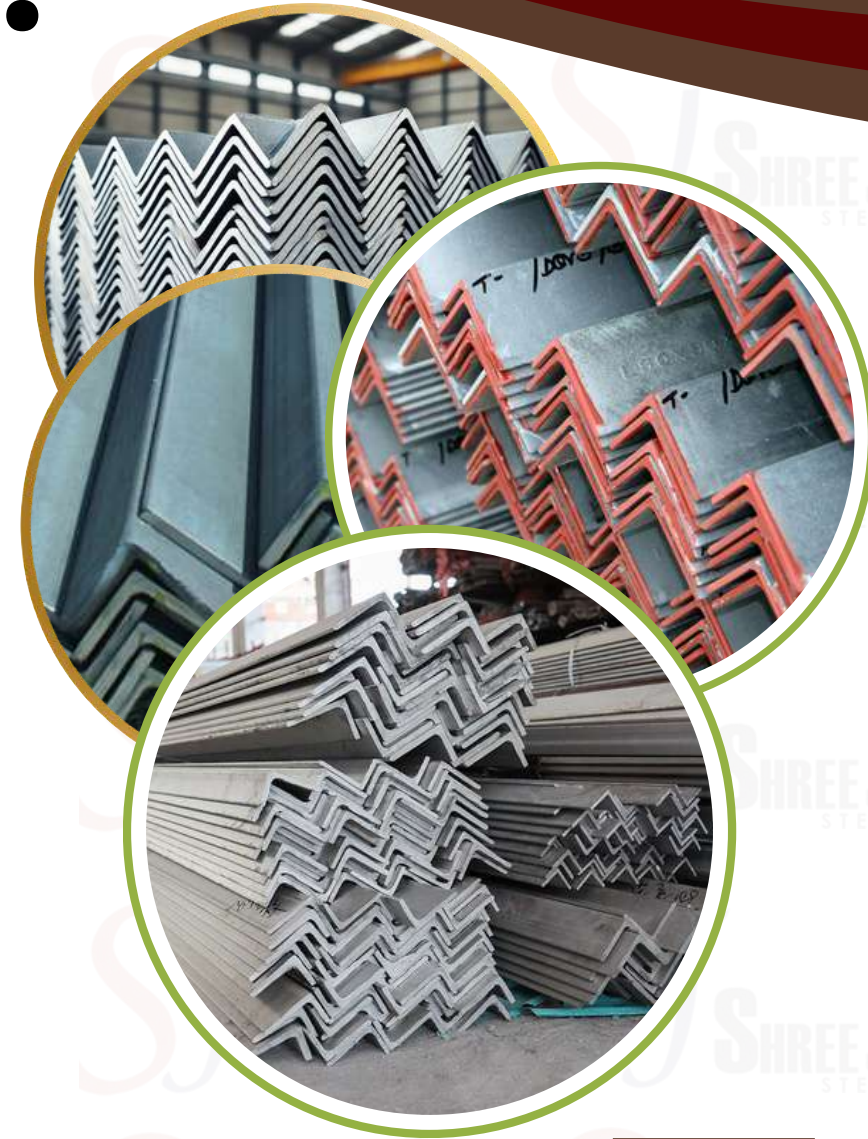
We are Authorized Dealer of SAIL & RINL





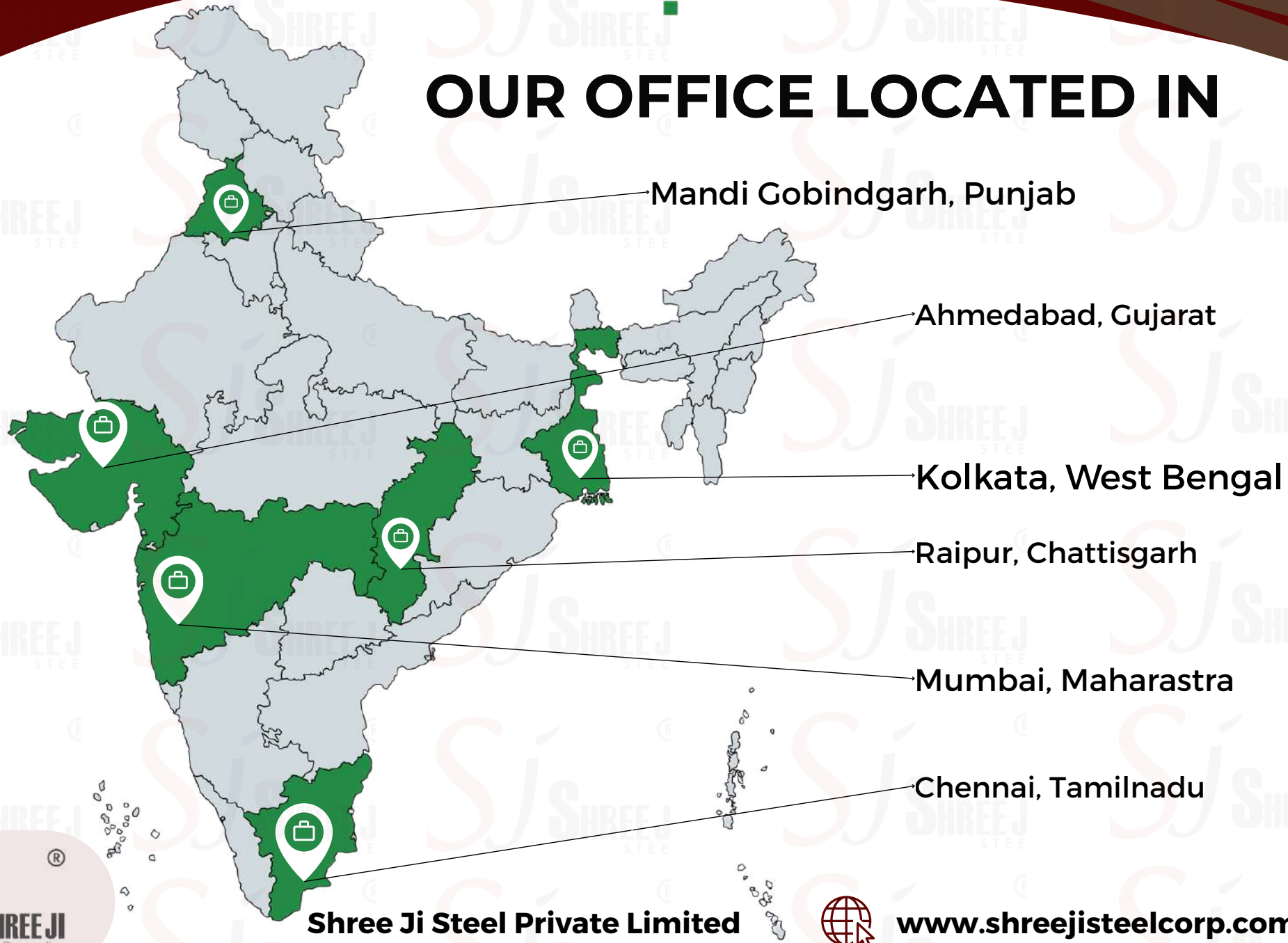
WHY CHOOSE US?

- ✓ 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



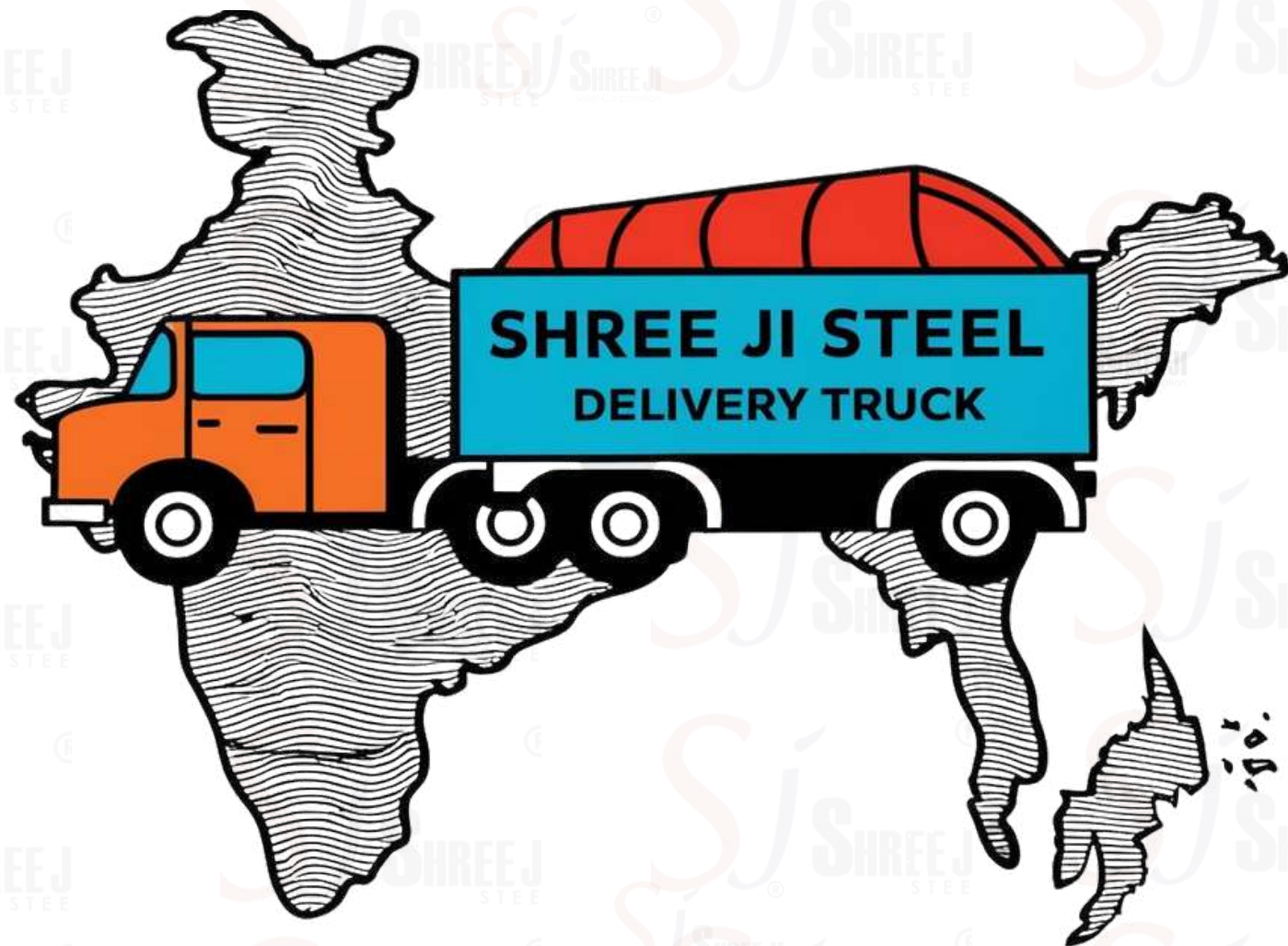


OUR OFFICE LOCATED IN





SHREE JI OFFER PAN-INDIA DELIVERY





Testimonials & Clientele



1297 Reviews



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



256 Reviews



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



181 Reviews

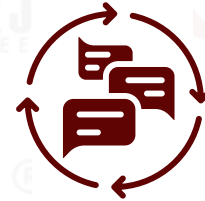


We are rated **4.8 out of 5** on Google.

**trade
india.**



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



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.



Patgiri Enterprise
3 reviews • 9 photos

★★★★★ 4 weeks ago **NEW**

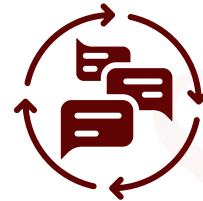
I have bought iron from Shree Ji Steel Private Limited several times and every time I get the weights right.

The staff of Shree Ji Steel Private Limited is very polite and courteous.

I wish them good luck.

Thank you.

Regards



Manoj Agarwal
3 reviews • 2 photos

★★★★★ 26 weeks ago

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





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



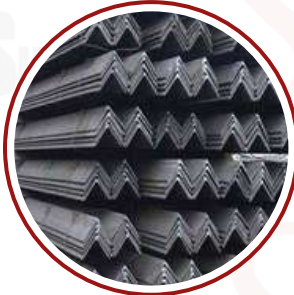


Other Products

Available at Shree Ji Steel



TMT Bar



MS Angle



MS Channel



MS Beam



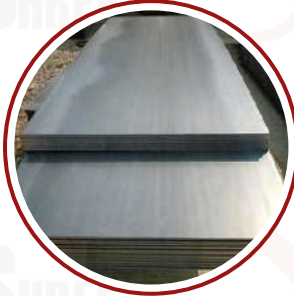
MS Flat Bar



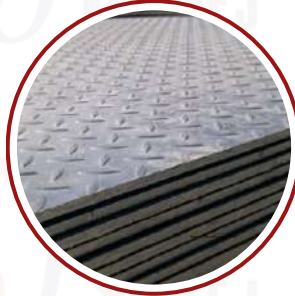
MS Round Bar



MS Square Bar



MS Plate



Chequered Plate



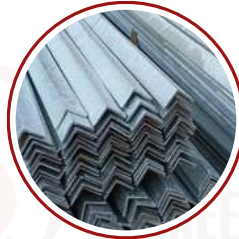
MS Pipe



Binding Wire



Wire Rod



Galvanised Angle



Galvanised Flat Bar





Our Product Ranges at

Available at Shree Ji Steel

Products	Size range available	Products	Size range available
TMT Bar	4.5mm to 32mm	MS Square bar	06mm to 75 mm
Lightweight TMT bar	08mm to 16mm	MS Plate	1.6mm to 50mm
MS Angle	19*19*3mm to 200*200*25mm	Chequered Plate	2.5mm to 10mm
MS Channel	75*40mm to 400*100mm	MS Round Pipe	15mmNB to 600mmNB
MS Beam/ISMB	100*50mm to 600*210mm	MS Square Pipe	15*15mm to 400*400 mm
NPB	100 *55 mm to 750*270mm	MS Rectangular Pipe	40*20 mm to 400*200 mm
WPB	160*160mm to 300*300mm	Binding wire	18 SWG to 23 SWG
UB (Universal Beam)	UB 203*133 to UB 610*229	HB Wire	06 SWG to 14 SWG
UC (Universal Column)	UC 152 *152 to UC 356*406	Wire Rod	5.5mm to 12mm
MS Flat Bar	12*3mm to 500*50mm	Ribbed Coil	4.5mm to 10mm
MS Round Bar	05 mm to 125mm		



SHREE JI STEEL CORPORATION

SHREE JI STEEL PRIVATE LIMITED

+91-7044459444

sales@shreejisteelcorp.com

www.shreejisteelcorp.com

For More Details Click here

