



RADHIKA STEEL INDUSTRIES

AN ISO9001:2015 COMPANY

RECOGNIZED BY THE BIS AS PER IS 2062 & IS 14650 FOR THE
PRODUCTION OF BILLETS & STRUCTURAL STEEL



www.radhikasteel.com 

Mandigobindgarh 

OUR COMPANY

Steel being a basic commodity for all industrial activities, quantum of its consumption is considered an index of industrial prosperity. Since independence there has been a substantial growth in the steel sector in India from 1.5 Million Tons in 1950-51 to about 140 Million Tons at present. Additional steelmaking capacity of about 18 to 20 Million Tons/year exists in the secondary steel sector. It is expected that with the measures taken by Govt. of India for promotion consumption of iron and Steel and expected growth of Indian economy the requirement of steel will significantly increase and accordingly the domestic manufacturing capacity needs to be increase. Considering the potential of Iron and Steel in India and the experience gained by the group in this sector, M/s. RADHIKA STEEL INDUSTRIES [RSI] decides to install Rolling Mill Unit with an installed capacity of 50000 - 55000 TPA at R. G. Road, Mill Road, Mandi Gobindgarh, Dist – Fatehgarh Sahib in the state of Punjab.



Rolling Mills Simulator

In hot rolling mills the demands on mill profitability, productivity and product quality are on the rise. Thickness & Flatness tolerance are decreasing while surface quality must further improve. At a same time mill flexibility has to match the growing variety of products. Exploiting the full production potential required an overall and well intermediate approach to structural steel rolling mill automation, optimization, control adaptation, and supervision.

This approach has to cover-

- Mechanical and hydraulic systems.
- Drive train.
- Material Flow.
- Visualization and control system.
- Technological control.
- Supervision and diagnosis solution.



ABOUT COMPANY

RADHIKA STEEL INDUSTRIES is all about planning forward or organizing for the future and performing ahead. With operations being commenced in 2001 the company has an established presence in Medium & Heavy Steel Structural approach, strong financial foundation, understanding of market needs and the rich experience in the core strength areas have all contributed to the steady growth of the company.

ADDING VALUE OF STEEL

Persistent execution of forward integration concept has enabled RADHIKA STEEL INDUSTRIES to emerge as one of the renowned player in private sector for steel structural. Rolling Division of the company at Mandi Gobindgarh possess ultra modern technological equipments to manufacture its end – products. All operations are fully integrated and ISO: 9001:2015 certified. Best available systems like Lean Manufacturing, Kaizen and Six Sigma are deep- rooted in every - day practices.



FROM THE DESK OF DIRECTOR

Success is not a place which one arrives but rather the strict with which one undertake and continues the journey. Nobody and no circumstance can affected you, until you accept within you that you have been defeated the difference between a successful person and failure is that the latter decides to quit while the former decides to persist.

Our leadership is a result of our employee they have made RSI one of the outstanding companies in India, each of them brings diverse background and specialized discipline to deliver the one thing that customer always want result.

Radhika Steel Industries is committed to excellence in steel and steel products production and be leaders of steel world in near future.

With best wishes
Suresh Goyal
Director



VISION AND MISSION

VISION

To be the world's most reliable and innovative manufacturer, service and solution provider in the steel industry.

MISSION

To be the world class standard for steel construction companies by:

- Being the preferred vendor of choice by servicing our clients to create economic success in each project.
- Creating a place of employment where we can learn, grow and be fulfilled in the work we do.
- Making the communities in which we work a better place to live.



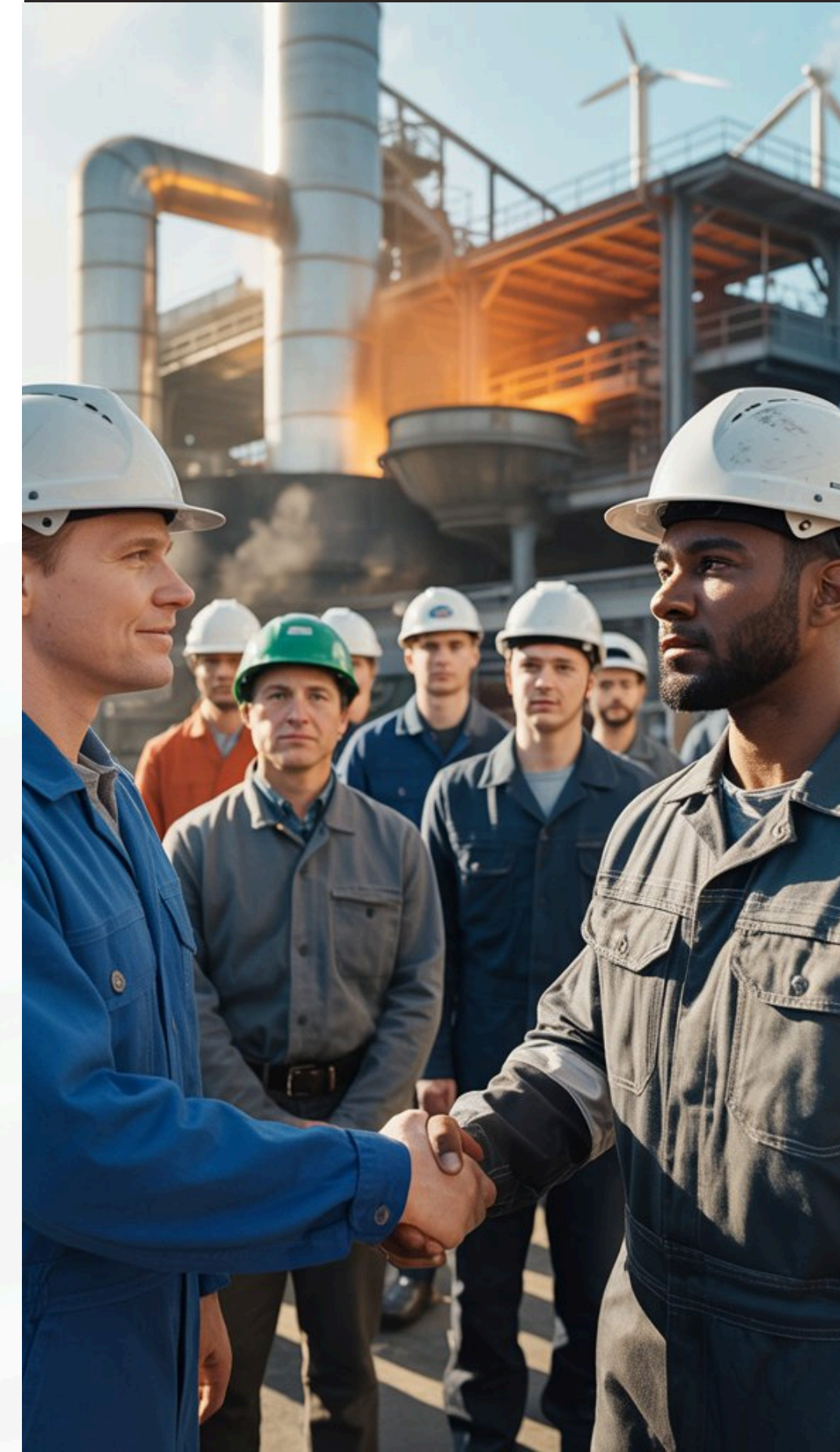
VALUES

- Integrity – In order for our company to be successful we need to be connected, united and whole. To be in integrity means that all of the units of our company communicate to one and other. Therefore, our integrity is based on our ability to communicate honestly and consistently.
- Teamwork (Family) – Each of us must consistently act to achieve the agreed upon mission and vision of the team. In order to accomplish this goal we realize that we can only succeed by supporting each other in a respectful and mutually supportive manner.
- Productivity (Quality) – Our employees are committed to producing the highest quality product in the industry and in doing so each employee takes responsibility for their role in the overall productivity of the company.
- Honesty – Being honest is simply being consistent with reality. To be dishonest is to distort the facts and is not in alignment with what we believe. □ Reality (Fact-Based) – What is, is. We base our decision-making process on the facts. We communicate the facts to ourselves, our employees and our customers.



VALUES

- Logic (Objectivity) – We apply logic and knowledge of the facts to all of our decision-making processes. □ Independent Thinking – All employees are encouraged to think independently and creatively. We must continuously ask ourselves, “How can we do it better?”
- Self-Esteem (Self-Motivation) – We expect our employees to earn positive self-esteem from doing their work well. We must have selfmotivation to have self-esteem. We believe that you receive from your work in direct proportion to how much you contribute. If you do not want to work hard, work somewhere else.
- Fairness (Understanding) – Individuals will be evaluated and rewarded objectively based on their contributions toward accomplishing our mission and adherence to our values. Individuals are judged based on their personal merits not their membership in any group.





SPECIALIZED APPLICATION FIELDS

- Transmission line towers
- Infrastructures - Power , Roads, Dams, Bridges, Ports, Refineries
- Railways
- Storage Tanks
- General Engineering
- Automobile Industries
- Machine and Equipment Building System

OUR STRENGTHS

- Industry Leading Prices.
- Committed to Quality as per standards.
- Excellence in Engineering Products.
- Capacious Warehouse.
- Suitable Packing. (If required.)
- On Time Delivery.

OUR PRODUCTS

Note:- WE ALSO PRODUCE ALL TESTED GRADES AS PER THE REQUIREMENT. WE ARE ALSO RECOGNIZED BY THE BIS AS PER IS 2062 & IS 14650 FOR THE PRODUCTION OF BILLETS & STRUCTURAL STEEL



**MS ROUND 9 mm
TO 100 mm**



**MS ANGLE 20 X 20 X 3mm
TO 100 X 100 X 16mm**



**MS FLAT Width
25mm To 150mm
Thickness 3mm To
40mm**



**MS SQUARE 8 mm
To 75 mm**



**BILLET 100 mm To
100mm**

COMMERCIAL DETAIL

Name of the Firm	RADHIKA STEEL INDUSTRIES
Address & Tel. No.	R. G. Mill Road , Mandi Gobindgarh 147301 [PB] Ph :- 98140-55580, 95929-15580 Email:- radhikasteelind@gmail.com
Type of Company (Whether Proprietor/Pvt. Ltd./Public Ltd.)	Proprietor
Name Of Directors	Mr. Suresh Goyal
History of the Company	Incorporation :-2000 Commencement :-2001
Name & Designation of persons to be contacted.	Mr. Arpit Goyal (CEO) Mob:- +91 97800 - 55580
Central Excise Regd. No.	AAFHS9510LXM001

L.S.T. No. & Date	03361134658
C.S.T. No. & Date	03361134658
TIN No	03361134658
PAN No.	AAFHS9510L
GST No.	03AAFHS9510L1ZZ
URN No.	UDYAM-PB-05-0001388
Factory LicenseA No.	
ISO 9001/2015 Certificate No	1316QAJ18B Dtd 14-09-2016
BIS Regd. No. & Validity	9677411 Dtd 31 Aug 2016
Total investment excluding Loan capital.	As per Balance Sheet.

Weekly off.	Works : Sunday Office : Sunday
Working hours.	Works : 7 A.M. to 7 P.M. Office : 10 A.M. to 7 P.M





INFRASTRUCTUR

Total Area	13641 Sq. Meter
CoveredArea	7717 Sq. Meter
Un Covered Area	5924 Sq. Meter
Power Connected	8500 KVA.
Production Capacity (Yearly)	50000 – 55000 MTPA

RADHIKA STEEL INDUSTRIES has got number of strategic advantages. Apart from having a Northern India location the site is well connected by Rail, Road, National Highways and Air-routs as the establishment is situated within 10 kilometer radius of the city limit. The Mills are commissioned with boundaries over acres of land having full scope for expansion.

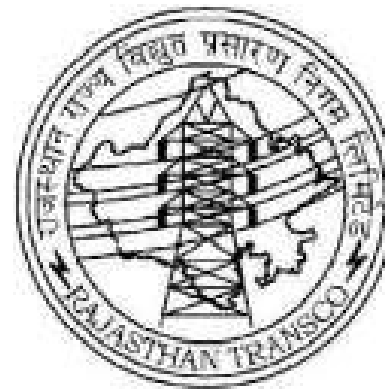
Silent Feature

Mill – Semi automatic continuous stand 400 & 250 mm 8 stands Rolling mills detail as under

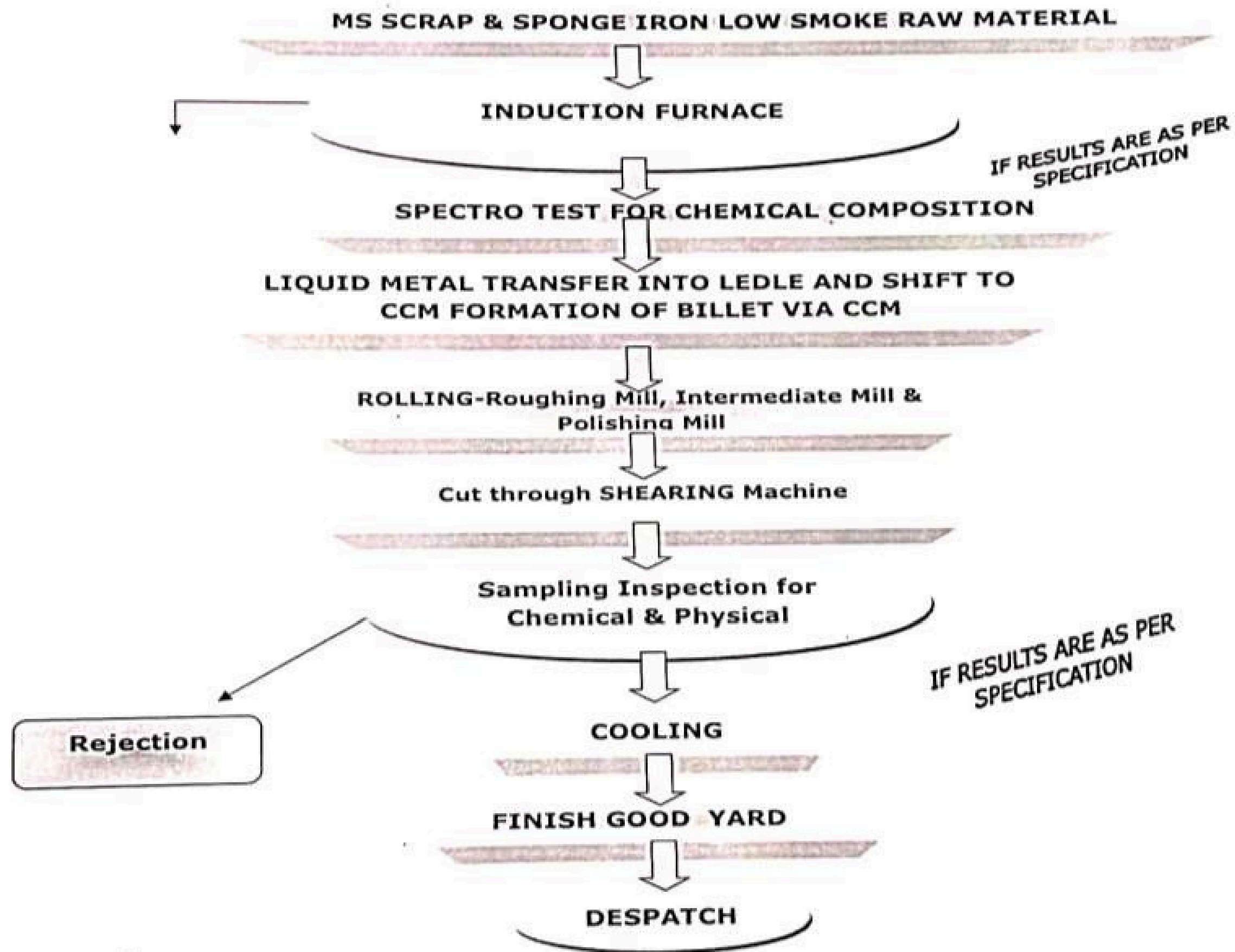
<p>Mill Size –</p> <hr style="width: 50px; margin-left: 0;"/>	<p>400 mm x 3 Hi – 1 Stand (6 passes)</p>		<p>-Roughing Stand</p>
	<p>250 mm x 3 Hi – 2 Stand (3 passes)</p>		<p>-Manual Stand</p>
	<p>250 mm x 3Hi – 3 Stand (1 pass) 250 mm x 3Hi – 4 Stand (1 pass)</p>		
<p>No. of Drives – 4</p>	<p>250mmx2 Hi–5Stand(1pass) 250 mm x 2 Hi – 6 Stand (1 pass) 250 mm x 2 Hi – 7 Stand (1 pass) 250 mm x 2 Hi – 8 Stand (1 pass)</p>		
<p>No. of Stands – 8</p>			



OUR CLIENTS



RADHIKA STEEL INDUSTRIES PROCESS FLOW CHART



MANUFACTURING PROCESS

Tested raw-materials grade/cast – wise are dressed & cut into required size for taking into production of finished structural Grade/Cast-wise raw-materials are charged into the furnace by Hydraulic Pushers. Furnace temperature is checked on hourly basis by optical Pyrometer / Temperature indicators duly provided for each zone of the furnace i.e. pre- heating, heating and soaking zone. Rolls & other mechanical appliances are checked before starting of production. During rolling every care is taken for dimensional check, sectional weight control and visual inspection are conducted. Samples are taken of the finished product or every interval as per STI and mechanical, chemical & dimensional checks are conducted. Not meeting the relevant standard as per requirement are sorted out and stacked separately. Finished products conforming to relevant standard are identified accordingly to lot number and samples are drawn for internal testing as per BIS norms. Being satisfied with the quality color code as specified in the relevant standard is being introduced.

FINISHED PRODUCT HANDLING

Entire end-products are shifted, stacked and loaded through manually.

- **IN-PLANT HANDLING:** Through the sophisticated man power handling overall production in shade area of the plant.
- **COOLING BED:** Size 90 feet long X 40 feet width. Natural Air cooling with also shifting system through dogs operated with motors of 50 H.P. Capacity each.
- **CROPPING CUTTING:** By Hot-Saw & Cold Shear machine of capacity to shear/cut Flat, Round, Square bars & Angles sections up-to 150 mm and any other finished items having thickness upto 40 mm



QUALITY CONTROL

The Quality control Measures Adopted As per QAP – Quality Assurance Plan

Input – Raw Material Components Test.

Process - QC Check During Manufacturing Process.

Output - Final Inspection before offering the material to Purchaser and acceptance test.

Chemical Laboratory

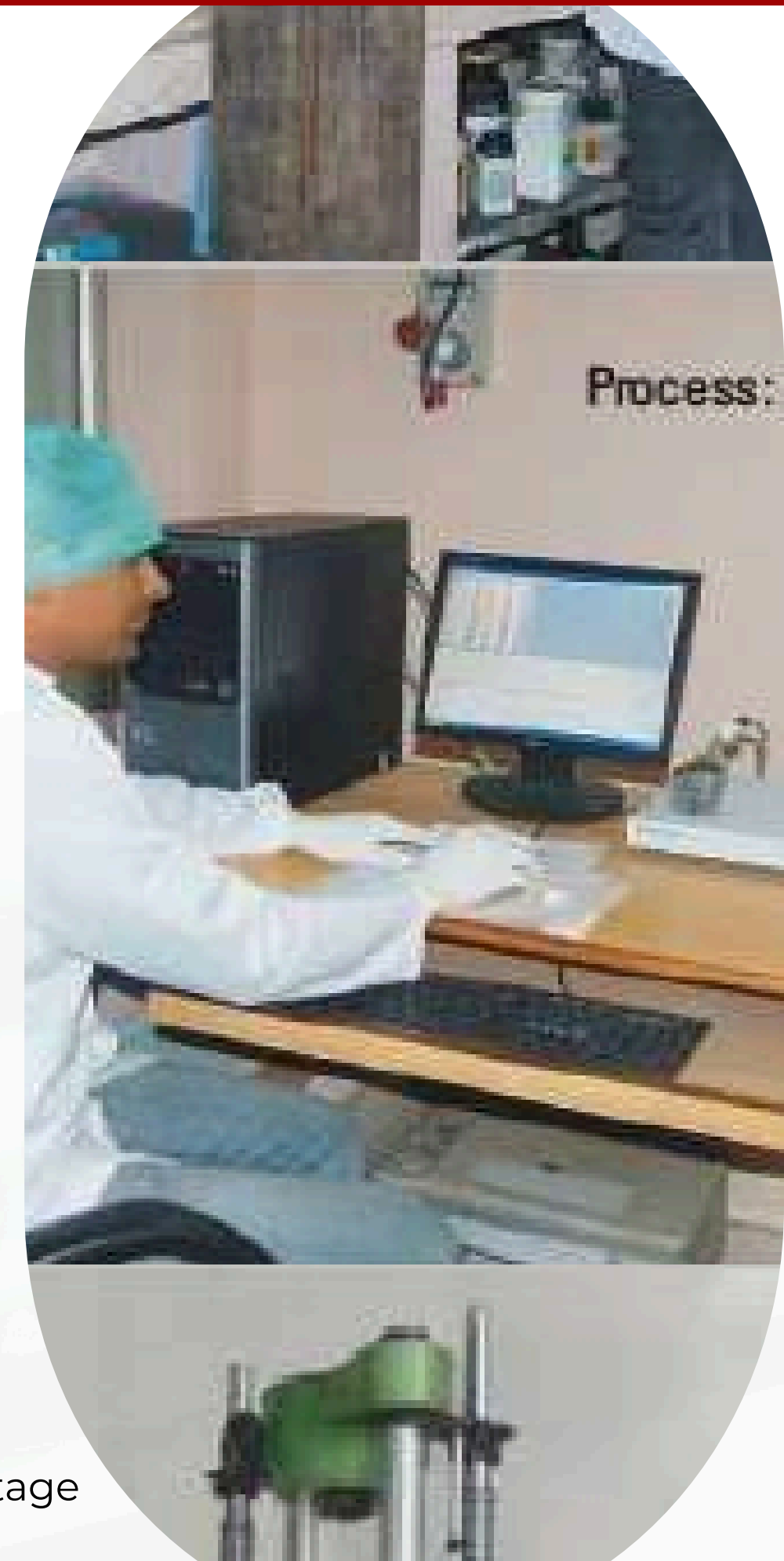
A full fledged laboratory within the premises of the plant is set-up having facilities to determine every elements like Carbon, Manganese, Sulphur, phosphorus, Silicon etc. as per requirement of relevant BIS and other standards. Determination of elements are being done by volumetric test i.e. Titration method. The Plant can also undertake elementary testing by Spectro Analysis from outside source.

Mechanical Testing

Universal testing Machine (Tensile Testing Machine) of 40 KN. capacities with calibration up- to-date has been commissioned for determination of tensile strength, yield stress and percentage of elongation. With the help of this machine, one can hold bend test with required sizes of Mandrels.

Quality Assurance

This unit has established its Quality Assurance Plan and in practice for strict/ rigid on – line stage inspection, sampling and testing is to be done as per Scheme of Testing under qualified technical staff.

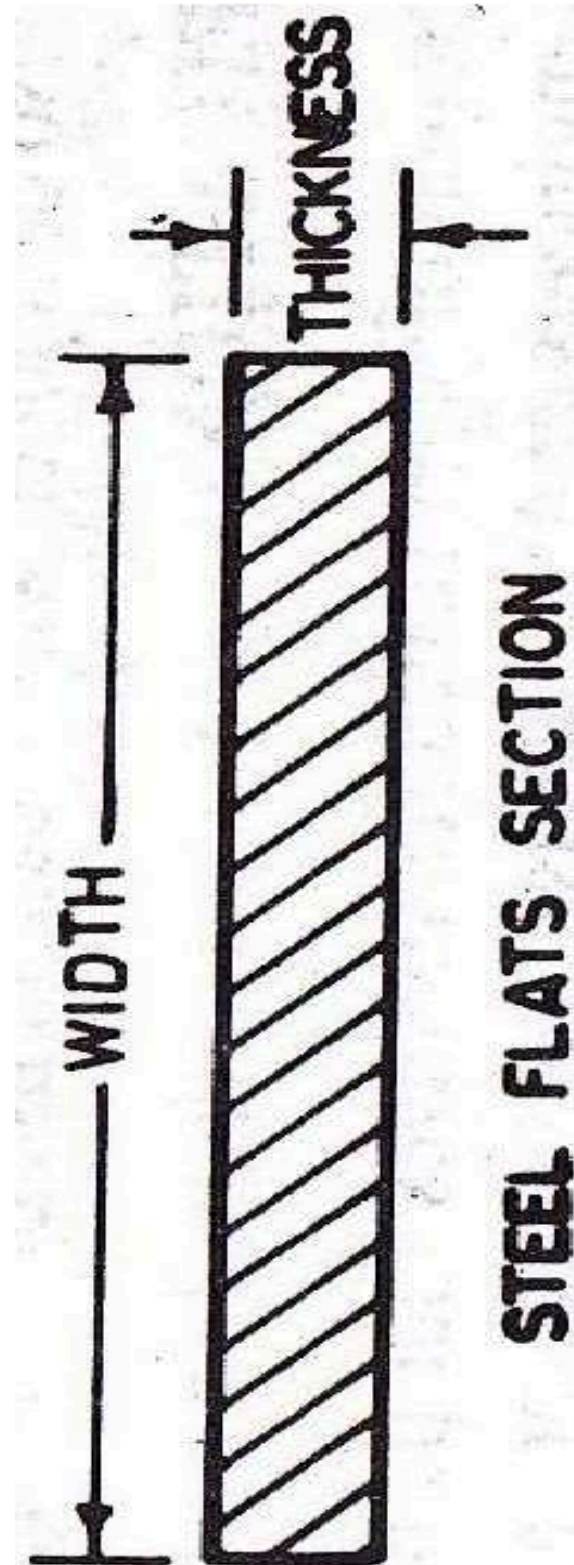


LIST OF TEST EQUIPMENTS

<i>S.No.</i>	<i>Test Equipment</i>	<i>Least Count & Range</i>	<i>Valid Calibration</i>	<i>Remarks</i>
01	a) Vernier b) Digital Vernier c) Scale d) Tape	0 - 150 mm L.C 0.02 mm 0 - 150 mm L.C 0.02 mm 0-1000mm 0.5 mm	Yes Yes Yes Yes	Insize Advance Kristeel Freemans
02	Universal Testing Machine (electronic)	15 Mtr 1.0 mm 40KN	Yes	FIE
03	a) Weighing Balance b) Digital Balance	L.C 0.1 KN 5kg. L.C 0.1 g. 300 gram	Yes	Local
04	a) Muffle Furnace b) Hot Air Oven	L.C. 0.02 mg. 0-12000C L.C.1 C	Yes Yes	Local
05	Hot Plate	0-3000C L.C. 2 C	Yes	Local
06	Spectro Meter	0-100C L.C.1 C	Yes	Ametek

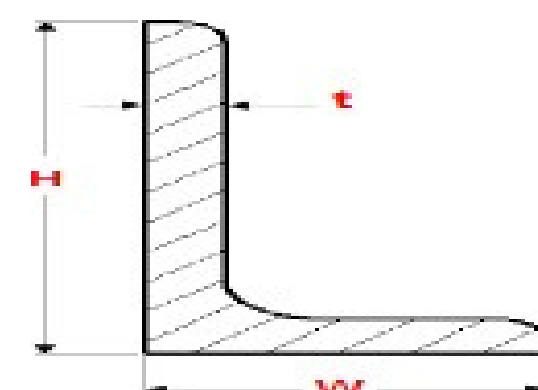
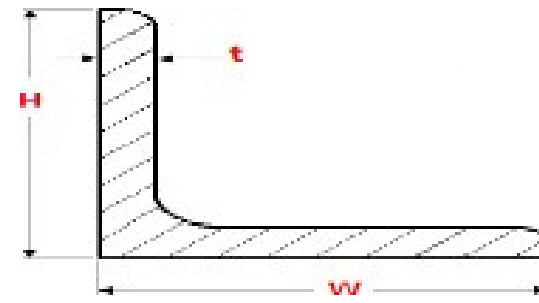
PRODUCT PROFILE

Flat Sizes (In mm)	Average Weight	
	K G/M TR	K G/FT
25x6	1.18	0.4
25x8	1.57	0.5
25 x 10	1.9	0.6
25 x 12	2.36	0.7
28x6	1.3	0.4
30x5	1.18	0.4
30x6	1.4	0.4
32x5	1.26	0.4
32x6	1.5	0.5
32x8	2	0.6
32 x 10	2.5	0.8
32 x 12	3	0.9
38x3	0.9	0.3
38x5	1.5	0.5
38 x 12	3.6	1.1
40x5	1.57	0.5
40x6	1.9	0.6
40x8	2.5	0.8
40 x 10	3.1	1
40 x 12	3.77	1.2
40 x 16	5	1.5
50x5	1.96	0.6
50x6	2.36	0.7
50x8	3.14	1
50 x 10	3.9	1.2
50 x 12	4.7	1.4
50 x 16	6.28	1.9
50x20	7.85	2.4
50x25	9.8	3
	12.56	3.83
50x32	3	0.9
63x6	3.06	0.93
65x6	4.08	1.2
65x8	5.1	1.6
65x10	6.1	1.9
65x12		



Flat Sizes (In mm)	Average Weight	
	KG/MTR	KG/FT
65x20	10.2	3.1
65x25	12.8	3.9
65x32	16.33	4.98
65x40	20.41	6.22
65x50	25.51	7.78
75x6	3.53	1.1
75x8	4.71	1.4
75x10	5.89	1.8
75x12	7.07	2.1
75x16	9.42	2.9
75x20	11.8	3.6
75x25	14.7	4.5
75x32	18.9	4.5
75x40	23.6	7.2
75x50	29.44	8.97
100x6	4.71	1.4
100x8	6.28	1.9
100x10	7.85	2.4
100x12	9.42	2.9
100x16	12.56	3.8
100x20	15.7	4.8
100x25	19.6	6
100x32	25.12	7.66
100x40	31.4	9.57
100x50	39.25	11.96
125x6	5.9	
125x8	7.9	1.8
125x10	9.8	2.4
125x12	11.8	3
125x32	31.4	3.6
125x40	39.25	9.57
130x12	12.25	11.96
150x6	7.07	
150x8	9.42	3.73
150x10	11.8	2.2
		2.9

AngleSize (In mm)	Average Weight	
	KG/MTR	KG/FT
25x25x3	1.1	0.3
25x25x4	1.6	0.49
5	1.8	0.5
25x25x5	2.1	0.6
25x25x6	1.6	0.5
35x35x3	2.1	0.6
35x35x4	2.6	0.8
35x35x5	2.4	0.7
40x40x4	3	0.9
40x40x5	3.5	1.1
40x40x6	2.7	0.8
45x45x4	3.4	1
45x45x5	4	1.22
45x45x6	2.3	0.7
50x50x3	3	0.9
50x50x4	3.8	1.2
50x50x5	4.5	1.4
50x50x6	3.3	1
55x55x4	4.1	1.3

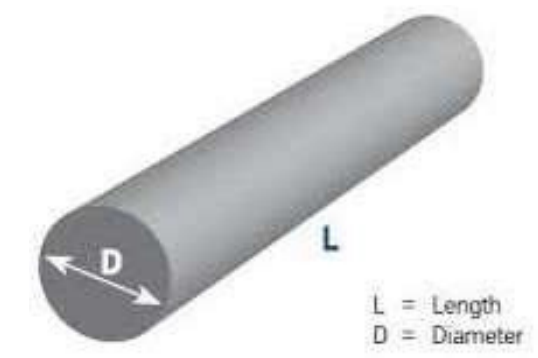


AngleSize (In mm)	Average Weight	
	KG/MTR	K G /FT
60x60x4	3.7	1.1
60x60x5	4.5	1.4
60x60x6	5.4	1.64
65x65x4	4	1.2
65x65x6	5.8	1.8
65x65x8	7.7	2.4
65x65x10	9.4	2.9
75x75x5	5.7	1.7
75x75x6	6.8	2.1
75x75x8	8.9	2.7
75x75x10	11	3.4
75x75x12	13.1	4

Special Size in mm	Unequal Angles Average Weight	
	K G/MTR	K G/FT
45x30x4	2.2	0.68
45x30x5	3	0.8
	2.7	

5

RoundSize (In mm)	Average Weight	
	KG/MTR	KG/FT
8	0.039	0.12
10	0.63	0.2
12	0.9	0.3
14	1.2	0.4
16	1.6	0.5
18	2	0.6
20	2.5	0.8
22	3	0.9
25	3.9	1.2
28	4.8	1.5
30	5.55	1.69
32	6.3	1.9
34	7.14	2.18



RoundSize (In mm)	Average Weight	
	KG/MTR	KG/FT
36	8	2.44
40	9.9	3
45	12.49	3.81
50	15.4	4.7
56	19.34	5.89
60	22.2	6.8
63	24.47	7.46
63.5	24.86	7.58
65	26.05	7.94
70	30.2	9.2
73	32.86	10
75	34.72	10.58
100	61.62	18.79

Square Sizes (In mm)	Average Weight			Square Sizes (In mm)	Average Weight	
	KG/MTR	KG/FT			KG/MTR	KG/FT
8 x 8	0.5	1.5		42 X 42	13.85	4.22
10 x 10	0.8	0.2		50 x 50	19.6	6
12 x 12	1.1	0.3		53 X 53	22.05	6.72
14 x 14	1.5	0.5		56 x 56	24.6	7.5
16 x 16	2	0.6		63 x 63	31.2	9.5
17 x 17	2.27	0.69		65x65	33.16	10.36
20 x 20	3.14	1		70x70	38.5	12
25 x 25	4.9	1.5		73x73	41.83	13
32 x 32	8	2.4		75x75	44.16	13.8
40 x 40	12.6	3.8		100x100	78.50	23.93

CHEMICAL COMPOSITION

All the materials shall conform to IS: 2062 Grade "A" i.e.

CARBON	:	0.23 %	(max.)
MANGANESE	:	1.5%	(max.)
SULPHUR	:	0.045 %	(max.)
PHOSPHORUS	:	0.045 %	(max.)
CARBON EQUIVALENT	:	0.42 %	(max.)

MECHANICAL PROPERTIES

Tensile Strength	:	410 MPA	(min.)
Yield Stress	:	250 MPA	(min.)
Percentage of Elongation	:	23%	(min.)
Bent	:	2t	(t= Thickness)

SALIENT FEATURES

- a) Product Quality Consistency.
- b) All the products are systemized with ISO 9001/2015 Certified.
- c) * Closer dimensional tolerance and good surface quality. *
Rigorous In-Process Inspection and Process control to assure defect free products.
- d) Clean Steel: Least Tramp Elements.
- e) Inbuilt process flexibility & precise quality planning to deliver customized products.
- f) Enhanced life cycle and durability.
- g) Offer greater choice and flexibility.
- h) Exceptional quality and workability.



CONTACT US



+9198140-55580,9592915580
PhNo.01765255580,241780



radhikamill@yahoo.com



www.radhikasteel.com





RADHIKA STEEL INDUSTRY

**THANK YOU FOR YOU
ATTENTION**

**Any Questions?
CONTACT US**



www.radhikasteel.com 

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