JSW Wirerod

JSW Steel Plant, Vijayanagar Works, Karnataka
India's leading integrated steel company

Content

Meet JSW

The US$ 23 billion JSW Group is ranked among India's leading business houses. JSW's innovative and sustainable presence in various sectors including Steel, Energy, Infrastructure, Cement, Paints, Venture Capital and Sports is helping the Group play an important role in driving India's economic growth. The Group strives for excellence by leveraging its strengths & capabilities including a successful track-record of executing large capital-intensive & technically complex projects, differentiated product-mix, state-of-the-art manufacturing facilities and greater focus on pursuing sustainable growth.

It also has a strong social development focus aimed at empowering local communities residing around its Plant & Port locations. JSW Group is known to create value for all its stakeholders by combining its growth roadmap, superior execution capabilities and a relentless drive to be **#BetterEveryday.**

40000+

People

300+

Offices

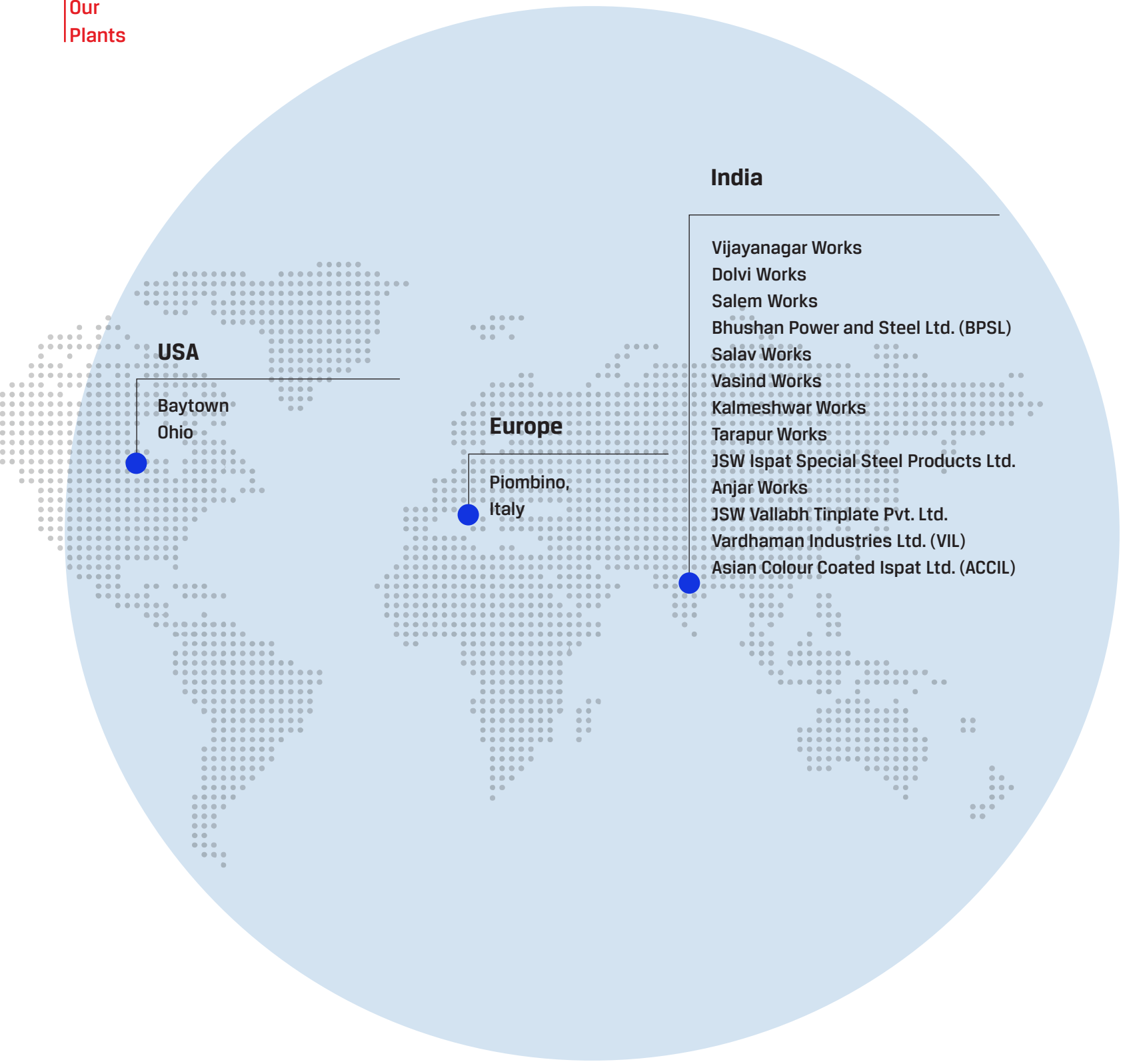
16

Plants

4

Continents

Our Plants


India
Vijayanagar Works
Dolvi Works
Salem Works
Bhushan Power and Steel Ltd. (BPSL)
Salav Works
Vasind Works
Kalmeshwar Works
Tarapur Works
JSW Ispat Special Steel Products Ltd.
Anjar Works
JSW Vallabh Tinplate Pvt. Ltd.
Vardhaman Industries Ltd. (VIL)
Asian Colour Coated Ispat Ltd. (ACCIL)
USA
Baytown
Ohio
Europe
Piombino,
Italy

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, mobility, defense, 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 a capacity of 35.7 MTPA in India and the USA (including 6 MTPA under commissioning in India). Its next phase of growth will take its total capacity to 43.5 MTPA by September 2027. The Company's plant in Vijayanagar, Karnataka is the largest single-location steel-producing facility in India with current capacity of 17.5 MTPA (including 5 MTPA under commissioning).

JSW Steel has always been at the forefront of research and innovation. It has a strategic collaboration with 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 2023).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. JSW Steel aims to reduce its CO2 emissions by 42% from its steel-making operations by 2030 and has committed to achieve net neutral in carbon emission for all operations under its direct control by 2050. Other sustainability targets include achieving no net-loss in biodiversity at the operating sites by 2030,substantially improving air quality, reducing water consumption in all operations and maintaining Zero Liquid Discharge.

JSW Steel Plant, Vijayanagar Works, Karnataka

JSW Wire Rod Products

JSW Wire Rods are manufactured using cutting-edge technology at the Vijaynagar and Salem Works. These facilities produce wire rods in high, medium, and low carbon grades, as well as electrode and CHQ grades. The Salem Works specializes in alloy and special grade wire rods.The wire rod mills operate at high speeds (up to 120 mtr/sec) and ensure excellent mechanical and consistent chemical properties, with low sulfur and phosphorus content (0.005%-0.035%) and low tramp elements. Dimensional accuracy is guaranteed by an automated thicknesscontrol system using advanced numerical models.

The company's manufacturing facilities feature high-speed wire rod mills, India's largest blast furnace, and the widest hot strip mill. The plant utilizes paircross technology and a twin-stand reversible cold-rolling mill, achieving the highest productivity in India with 800-plus tonnes per person per annum. JSW is recognized for its 'zero-effluent discharge'status, reusing more than 95 percent of process waste, and maintains a low carbon footprint by recycling 96% of cokeoven gas for power generation. The plant also employs sophisticated ambient air control infrastructure to reduce gas flaring.

JSW Wire Rods are versatile and used in a variety of applications, including automobile manufacturing, infrastructure projects, railways, general engineering, spring applications, welding ropes, tools, heat treatment, machining, bearings, jewelry, cosmetics, and office and household equipment. The facilities are equipped with advanced reheating furnaces, descalers, Rod Tekisun mills, Stelmor conveyors, and compacting and strapping units, ensuring high-quality production.

The company's testing facilities include cold upset testing machines, universal testing machines, bend/rebend test machines, eddy current sorters, bench magnifiers, mobile spectro, micro ohm meters, stereo microscopes, Rockwell hardness testers, and metallurgical microscopes.JSW Steel Coated Products Ltd. is an ISO 9001:2008 Certified Organization, committed to producing high-quality steel products with a focus on sustainability. The company's zero-effluent discharge facilities, high recycling rates, and extensive tree planting initiatives contribute to a greener environment. JSW Wire Rods stand out for their superior quality, consistent properties, and wide range of applications, making them a preferred choice across various industries.

Setting Benchmarks

- First continuous annealing line in India
- Widest Cold Rolling Mill (upto 1870 mm width)
- India's Largest Coated Steel producer
- First Licensee Galvalume® producer in India
- JSW Steel Salem Works is the largest integrated alloy and special steel plant in India
- Widest Hot Strip Mill in India: 25.4 x 2150 mm
- India's Most Modern and Largest Vertical Caster - 300/260/220 x 2200 mm
- India's Largest Blast Furnace - 3.2 MTPA at Vijayanagar
- India's only Multi-Radii Bloom Caster (12/16/30 m) operational at Salem Works
- ZERO EFFLUENT discharge for greener & cleaner environment
- 1.5 million trees planted at Vijayanagar Works, transforming the area into a green oasis

JSW Steel has established numerous benchmarks in the steel industry. It boasts the first continuous annealing line in India and operates the widest Cold Rolling Mill in the country, with a width of up to 1870 mm. As India's Largest Coated Steel producer and the first licensee of Galvalume® production in India, JSW Steel continues to lead in innovation and capacity.

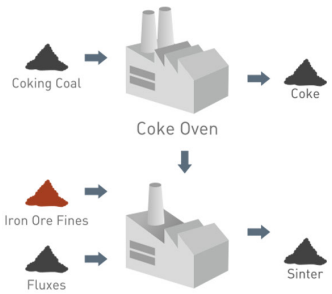
The JSW Steel Salem Works is recognized as the largest integrated alloy and special steel plant in India. In addition, the company operates the widest Hot Strip Mill in the nation, measuring 25.4 x 2150 mm, and the country's most modern and largest Vertical Caster, sized at 300/260/220 x 2200 mm. Furthermore, the Vijayanagar plant is home to India's largest Blast Furnace, with a capacity of 3.2 MTPA.

JSW Steel is also notable for operating India's only Multi-Radii Bloom Caster (12/16/30 m) at Salem Works. Committed to sustainability, the company achieves zero effluent discharge, contributing to a greener and cleaner environment. The planting of 1.5 million trees at Vijayanagar Works has transformed the area into a verdant oasis, showcasing JSW Steel's dedication to environmental stewardship.

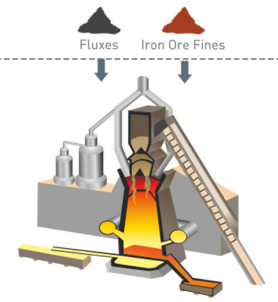
Manufacturing Facilities

JSW Steel's Vijayanagar plant stands as a testament to innovation and capacity in the Indian steel industry. It is the first integrated steel plant in India to achieve a 10 MTPA capacity at a single location.Pioneering in its approach, it was also the first plant in India to adopt Corex technology for hot metal production, showcasing a commitment to advanced and sustainable manufacturing practices.The first hot strip mill at Vijayanagar was commissioned in 1997. Over the years, the Vijayanagar facility has grown exponentially, reaching an installed capacity of 10 MTPA of steel. Located in the remote village of Toranagallu in North Karnataka, within the Bellary-Hospet iron ore belt, this fully integrated steel plant enjoys strategic connectivity to both Goa and Chennai ports, facilitating efficient transportation and logistics.

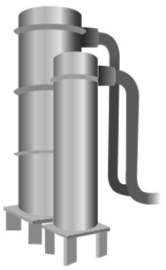
Manufacturing Process



SINTER PLANT

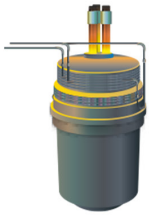


BLAST FURNACE



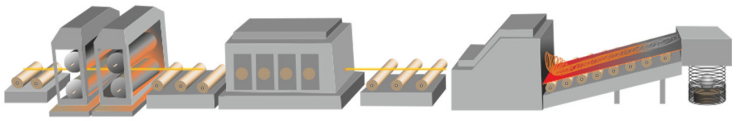
DESULPHARISATION UNIT

BASIC OXYGEN FURNACE

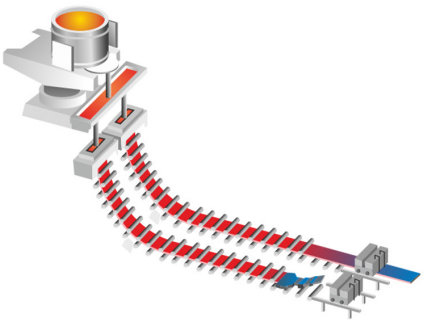


LADDLE HEATING FURNACE

WIRE ROD



WIRE ROD MILL



BILLET CASTER


23BWW67897

Advantages & Key Features

- **Key Features:**
  - High-speed wire rod mills (110 mtr/sec)
  - Excellent mechanical and consistent chemical properties
  - Low sulfur and phosphorus content (0.005%-0.035%)
  - Low tramp elements
  - Dimensional accuracy guaranteed by an automated thickness control system using advanced numerical models

- **Unique Advantages:**
  - High-speed Wire Rod Mill (110 mtr/sec)
  - Low Sulfur and Phosphorus content (0.005% - 0.035%)
  - Low tramp elements
  - Excellent mechanical and consistent chemical properties

- **Unique features:**
  - Houses India's largest blast furnace and the widest hot strip mill
  - The only plant in India with paircross technology and twin-stand reversible cold-rolling mill
  - The highest productivity steel plant in India, producing 800-plus tonnes per person per annum
  - Recognised for its 'zero-effluent discharge'status; it reuses more than 95 per cent of process waste
  - Low carbon footprint as it recycles 96% of coke oven gas for power generation
  - Uses sophisticated ambient air control infrastructure beyond and has reduced gas flaring to lower levels

Key Features

- Walking Beam Reheating Furnace
- High Pressure – High Speed Descaler
- 20-pass H-V roughing, intermediate & finishing stands
- Low Temperature Rolling process / Water Cooling / DSC Line
- 8-pass no-twist pre-finishing block & 4-pass Twin Module Block - for WR line
- Controlled Cooling Coil Conveyors
- Coil Finishing services

Latest generation 8-stand high speed Block and 4-stand finishing Block – from Danieli Morgårdshammar, Italy – To ensure Finishing rolling of wire rods at high speed of up to 100 M/ Sec. Stelmor Conveyor for Wire rods: Controlled cooling with uniform mechanical and metallurgical properties, standard cooling, retarded cooling, and forced cooling to process different grades.

Key Features :

- Auto Billet Grinding from Danieli Centro Maskin
- Reheating Furnace: (110 TPH)
- Walking Beam Type: Auto controlled, Fuel: pre-mixed BF Gas & Coke Oven Gas
- Descaler: High Pressure water jet with 220 Bar to ensure removal of scales deposited on the billet surface.
- Online Dimension Control system :From Zumbach, Switzerland provided in rolling line for online dimension monitoring and control.
- Rolling Mill: Continuous mill with 20 nos. alternate Horizontal & Vertical 2-roll roughing, intermediate & finishing stands from SMS Group

Key Features

- Regenerative Walking Beam Type Reheating Furnace with the throughput upto 100 MT/hr
- Fully Automated Sliding Stand 2-High Reversible Rough Rolling Mill capable of handling 160X160 to 220X220mm Blooms
- The 14-Stand Rigid Tandem Mill acts as an Intermediate mill
- Finishing No Twist Mill (5.5 to 15 mm) is equipped with Online Surface Defect Detection Technology and Advanced Size Measurement System. It is supported with the Stelmor Conveyor for the Controlled Cooling Purpose
- Finishing Reducing Sizing Block (〉15 to 32 mm) facilitates Closer Dimensional Tolerance and Smooth Surface Finish
- Under Downstream Facilities, an Automatic Bell Annealing Furnace operates with the Installed Capacity of 42,000 Tons per annum
- Bell Annealing Furnace is supported with the Pickling and Phosphating Units

Facilities & Equipment

- Reheating Furnace: State-of-the-art walking beam furnace with auto control air-fuel ratio
- Capability of 220 Ton/Hr, minimal scale generation (0.60%)
- Descaler: High-pressure descaler (230 bar max) ensures removal of scale deposition on the billet surface
- 230/150 Rod Tekisun Mill: Four strands maintaining a narrow band of ovality and size tolerance
- Stelmor Conveyor: Optiflex control with 180 mts, controlled cooling with uniform mechanical and metallurgical properties
- Compacting & Strapping Unit: Compaction at a maximum capacity of 40 tons, producing
- Superior quality compact coils


MADE IN INDIA
JSW Steel Limited.
Vijayanagar
Coil Number
23BWW66524
Hot Rolled Wire Rod
Grade
HC72A
Heat Number
E951791
Size
5.5 mm
Inspector Sign
Net Weight(MT)
2.509
IS 7904:2018
Quality
Prime
CM/L-6200068399
Production Date
26-11-2023
Company Seal
23BWW66524

Wire Rod Product Specification
Vijayanagar

Coil Particulars		
Product Range	**Minimum**	**Maximum**
Inner Dia of the Coil (mm)	750	-
Outer Dia of the Coil (mm)	-	1250
Coil Height (m)	-	2
Coil Weight (MT)	-	2.6
Packaging (Wire Binding)	4 Steel Straps/4 Wire Binding (min)	

Supply Specifications	
Surface Defects	1.0% of Diameter (max)
Decarburization	1.0% of Diameter (max) Partial
Supply Condition	HR Coils
Size Range (in mm)	5.5 /6.5/ 7.00/ 8.00/8.50/ 9.00/ 10.00/ 11.00/ 12.00/ 14.00/ 16.00/ 16.50/ 18.00/18.50/ 20.00/ 22.00/24.00/25.00

Dimensional Tolerance		
Diameter (mm)	**Tolerance (mm)**	**Ovality (mm)**
5.50 to 8.50	+/- 0.25	0.30 max.
9.00 to 14.00	+/- 0.30	0.40 max.
14.50 to 22.00	+/- 0.35	0.50 max.

Wire Rod Product Specification
Vijayanagar

Low Carbon Steel Wire Rod (Rolling Size 5.50-25.00MM)

		Chemical Composition							Mechanical Properties			
GRADE	IS 7887: 1992	C% (max)	Mn% (max)	S % max	P % max	Si% max	Al% (max)	N ppm (max)	UTS N/ mm2 (min)	EL% (min)	RA% (min)	End Applications
SAE 1005	Grade-1 (CAQ)	0.06	0.35	0.05	0.05	-	-	-	400 Max	25	50	CAQ Wire
SAE 1006	Grade2	0.08	0.25-0.40	0.05	0.05	-	-	-	410 Max	25	50	Wire applications & Fasteners
SAE 1008	Grade3	0.10max	0.70max	0.05	0.05	-	-	-	420 Max	25	50	Wire applications & Fasteners
SAE 1010	Grade4	0.08-0.13	0.30-0.60	0.05	0.05	-	-	-	430 Max	25	50	Wire applications & Fasteners
SAE 1012	Grade5	0.10-0.15	0.30-0.60	0.05	0.05	-	-	-	440 Max	25	50	Wire applications & Fasteners
SAE 1015	Grade6	0.13-0.18	0.30-0.60	0.05	0.05	-	-	-	450 Max	25	50	Wire applications & Fasteners
SAE 1018	Grade7M	0.15-0.20	0.60-0.90	0.05	0.05	-	-	-	500 Max	25	50	Wire applications & Fasteners
SAE 1020	Grade8	0.18-0.23	0.30-0.60	0.05	0.05	-	-	-	520 Max	25	50	Wire applications & Fasteners
SAE 1022	Grade8M	0.18-0.23	0.60-0.90	0.05	0.05	-	-	-	540 Max	20	45	Wire applications & Fasteners
SAE 1025	Grade 10	0.22-0.28	0.30-0.60	0.05	0.05	-	-	-	520 Max	20	45	Wire applications & Fasteners

Medium Carbon Steel Wire Rod

		Chemical Composition							Mechanical Properties			
GRADE	SIZE (mm)	C% (max)	Mn% (max)	S % max	P % max	Si% max	Al% (max)	N ppm (max)	UTS N/ mm2 (min)	EL% (min)	RA% (min)	End Applications
EN8D	5.50-22.00	0.40-0.45	0.60-0.90	0.050	0.05	0.10-0.40	-	-	-	-	-	Fasteners Application
EN9	5.50-22.00	0.50-0.60	0.50-0.90	0.050	0.04	0.10-0.40-	-	-	-	-	-	Fasteners Application
SAE 1035	5.50-22.00	0.32-0.38	0.60-0.90	0.050	0.04	0.10-0.25	-	-	-	-	-	Fasteners Application
SAE1040	5.50-22.00	0.37-0.44	0.60-0.90	0.050	0.04	0.10-0.25	-	-	-	-	-	Fasteners Application

Wire Rod Product Specification
Vijayanagar

High Carbon Steel Wire Rod (5.50-13.00MM)

		Chemical Composition							Mechanical Properties			
GRADE	SIZE (mm)	C%	Mn%	Si%	S % (max)	P % (max)	Cr% (max)	N ppm (max)	UTS N/ mm2 (min)	EL% (min)	RA% (min)	End Applications
HC38A	5.50-12.00	0.35-0.40	0.30-0.60	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC38B	5.50-12.00	0.35-0.40	0.60-0.90	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC42A	5.50-12.00	0.40-0.45	0.30-0.60	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC42B	5.50-12.00	0.40-0.45	0.60-0.90	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC52A	5.50-12.00	0.50-0.55	0.30-0.60	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC52B	5.50-12.00	0.50-0.55	0.60-0.90	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC62A	5.50-12.00	0.60-0.65	0.30-0.60	0.10-0.35	0.035	0.035	0.15	80	-	10	30	Tyre Bead
HC62B	5.50-12.00	0.60-0.65	0.60-0.90	0.10-0.35	0.035	0.035	0.15	80	-	10	30	Grade II Springs, ACSR
HC68A	5.50-12.00	0.65-0.70	0.30-0.60	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC68B	5.50-12.00	0.65-0.70	0.60-0.90	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC72A	5.50-12.00	0.70-0.75	0.30-0.60	0.10-0.35	0.035	0.035	0.15	80	-	10	30	Tyre Bead
HC72B	5.50-12.00	0.70-0.75	0.60-0.90	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC78A	5.50-12.00	0.75-0.80	0.30-0.60	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC78B	5.50-12.00	0.75-0.80	0.60-0.90	0.10-0.35	0.035	0.035	0.15	80	-	10	30	Shutter Wire
HC80A	5.50-12.00	0.78-0.83	0.30-0.60	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC80B	5.50-12.00	0.78-0.83	0.60-0.90	0.10-0.35	0.035	0.035	0.15	80	-	10	30	-
HC80ACr	5.50-12.00	0.78-0.83	0.30-0.60	0.10-0.35	0.035	0.035	0.15-0.30	80	-	10	30	-
HC80BCr	5.50-12.00	0.78-0.83	0.60-0.90	0.10-0.35	0.035	0.035	0.15-0.30	80	-	10	30	-
HC82A	5.50-12.00	0.80-0.85	0.30-0.60	0.10-0.35	0.035	0.035	0.15	80	-	10	30	Tyre Bead,Tyre Cored
HC82B	5.50-12.00	0.80-0.85	0.60-0.90	0.10-0.35	0.035	0.035	0.15	80	-	10	30	Springs Wire, PC Wire, Shutter Wire
HC82ACr	5.50-12.00	0.80-0.85	0.30-0.60	0.10-0.35	0.035	0.035	0.15-0.30	80	-	10	30	-
HC82BCr	5.50-13.00	0.80-0.85	0.60-0.90	0.10-0.35	0.035	0.035	0.15-0.30	80	-	10	30	LRPC

Alloy Steel Grade Wire Rod

		Chemical Composition							Mechanical Properties			
GRADE	SIZE (mm)	C% (max)	Mn%	S % max	P % max	Si% max	N ppm (max)	Others (max)	UTS N/ mm2 (min)	EL% (min)	RA% (min)	End Applications
SAE 1541	5.50-22.00	0.35-0.45	1.25-1.75	0.050	0.040	0.15-0.35	N-50,02-20,H2-2.0	-	900	15	30	Fasteners Application
SAE4140	5.50-22.00	0.38-0.43	0.75-1.00	0.040	0.035	0.15-0.35	N-50,02-20,H2-2.0	Cr 0.80-1.10, Mo 0.15-0.25	1080	15	30	Fasteners Application
SAE10B21	5.50-22.00	0.18-0.23	0.80-1.10	0.035	0.035	0.15-0.30	N-50,02-20,H2-2.0	Cr-0.30-0.40, B 0.0005-0.003	620	15	40	Fasteners Application
SAE15B25	5.50-22.00	0.23-0.29	0.90-1.20	0.035	0.035	0.15-0.30	N-50,02-20,H2-2.0	Cr-0.15-0.25, B 0.0005-0.003	640	15	40	Fasteners Application
SAE10B35	5.50-22.00	0.32-0.38	0.60-0.90	0.050	0.040	0.10-0.20	N-50,02-20,H2-2.0	Cr-0.30 max	700	15	30	Fasteners Application
16MnCr5	5.50-22.00	0.14-0.19	1.00-1.30	0.030	0.025	0.30	N-50,02-20,H2-2.0	Cr 0.80-1.10	705	15	40	Case Hardening Steel
20MnCr5	5.50-22.00	0.17-0.22	1.00-1.40	0.035	0.035	0.10-0.35	N-50,02-20,H2-2.0	Cr 1.00-1.30, Ni 0.15,Mo 0.05	705	15	40	Case Hardening Steel

Free Cutting Steel Wire Rod

		Chemical Composition							Mechanical Properties			
GRADE	SIZE (mm)	C% (max)	Mn% (max)	S % max	P % max	Si% max	Pb% (max)	N ppm (max)	UTS N/ mm2 (min)	EL% (min)	RA% (min)	End Applications
EN1A	5.50-22.00	0.15	0.90-1.30	0.20-0.30	0.07	0.05	-	60	360	20	40	Fasteners Application
EN8M	5.50-22.00	0.35-0.45	1.10-1.30	0.15-0.20	0.03	0.10-0.20	-	60	360	20	40	Fasteners Application

Wire Rod Product Specification
Vijayanagar

Welding Electrode Grade Steel Wire Rod

		Chemical Composition							Mechanical Properties			
GRADE	SIZE (mm)	C% (max)	Mn% (max)	S % max	P % max	Si% max	Al% (max)	Others (max)	UTS N/ mm2 (min)	EL% (min)	RA% (min)	End Applications
ER70S-6	5.50/6.50	0.06-0.15	1.40-1.85	0.035	0.025	0.80 - 1.15	-	Cu-0.50,Ni-0.15,Cr-0.15,-Mo-0.15,V-0.03	480	22	78	TIG & MIG Welding Electrode
EM12K	5.50/6.50	0.05-0.15	0.80-1.25	0.030	0.030	0.10-0.35	-	Cu-0.35 max	500	25	55	SAW Electrode
EWNR	5.50/6.50	0.10 Max	0.38-0.62	0.025	0.025	0.030	0.012	Cu-0.15,V-0.005,Ti-0.003	300	25	50	Arc Welding Electrode


23
JSW

Wire Rod Product Specification
Salem

Coil Particulars		
Product Range	**Minimum**	**Maximum**
Inner Dia of the Coil (mm)	850	-
Outer Dia of the Coil (mm)	-	1450
Coil Height (mm)	-	1300
Coil Weight (MT)	-	1.8
Packaging (Wire Binding)	HR : 4 Steel Wire -SAPP : 3 Metallic Strap -HDPE packing (1 metallic strap) based on customer requirement	

Supply Specifications	
Surface Defects	1.0% of Diameter (max)
Decarburization	1.0% of Diameter (max)
Supply Condition	Hot Rolled and Spheroidization Annealed Pickled & Phosphated coils
Size Range (in mm)	5.5 / 6.5 / 7 / 8 / 8.5 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16/16.3/ 17.3 / 18 / 18.3 / 20 / 21 / 22 / 23 / 23.5 / 24 / 25 / 26 / 28 / 30 / 32

Dimensional Tolerance		
Diameter (mm)	**Tolerance (mm)**	**Ovality (mm)**
5.50 to 8.00	+/- 0.13	0.20 max
8.00 to 11.00	+/- 0.15	0.24 max.
11.00 to 15.00	+/- 0.18	0.25 max.
15.00 to 22.00	+/- 0.20	0.30 max.
22.00 to 25.00	+/- 0.24	0.35 max.
25.00 to 28.00	+/- 0.25	0.40 max.
28.00 to 31.00	+/- 0.28	0.45 max.
31.00 to 32.00	+/- 0.30	0.50 max.

*Note: : Customized Sizes and Dimensional Tolerance are possible based on the Mutual Agreement

Salem Works
BIS Certifications

Salem Works BIS Certifications		
Standard No.	**Standard Description**	**BIS License No**
IS 2062:2011	Hot Rolled Low, Medium and High Tensile Structural Steel	CM/L 6255972
IS 2879:1998	Mild Steel for Metal Arc Welding Electrode Core Wire	CM/L 6997313
IS 4398:1994	Carbon-chromium Steel for the Manufacture of Balls, Rollers and Bearing Races	CM/L 6500059508
IS 5517:1993	Steels for Hardening and Tempering	CM/L 6700082214
IS 7283:1992	Hot Rolled bars for production of bright bars and machined parts for engineering applications	CM/L 6700029614
IS 7887:1992	Mild steel wire rods for general engineering purposes	CM /L 3504144
IS 7904:2018	High Carbon Steel Wire rods	CM/L 6700065214
IS 11169 Part 1:2022	Steels for cold heading / cold extrusion application, Part 1: Wrought carbon and low alloy steels	CM/L - 6700070308

Cold Heading Quality-Chemical Composition %

Grade	C		Si		Mn		P		S		Cr		Mo		B	
	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
SAE 1006	-	0.08	-	-	0.25	0.40	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1008	-	0.10	-	-	0.30	0.50	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1010	0.08	0.13	-	-	0.30	0.60	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1012	0.10	0.15	-	-	0.30	0.60	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1015	0.13	0.18	-	-	0.30	0.60	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1018	0.15	0.20	-	-	0.60	0.90	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1020	0.18	0.23	-	-	0.30	0.60	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1541	0.36	0.44	-	-	1.35	1.65	-	0.30	-	0.50	-	-	-	-	-	-
SAE 4140	0.38	0.43	0.15	0.35	0.75	1.00	-	0.30	-	0.40	0.80	1.10	0.15	0.25	-	-
SAE 10B21	0.18	0.23	-	0.30	0.80	1.10	-	0.30	-	0.30	0.10	0.20	-	-	0.0005	0.003
SAE 15B25	0.23	0.28	-	0.30	0.90	1.30	-	0.30	-	0.30	0.10	0.20	-	-	0.0005	0.003
SAE 15B35H	0.31	0.39	0.15	0.35	0.70	1.20	-	0.40	-	0.50	0.10	0.30	-	-	0.0005	0.003
SAE 10B35	0.32	0.37	-	0.40	0.60	0.90	-	0.025	-	0.025	0.10	0.40	-	-	0.0008	max
SAE 15B41	0.36	0.44	0.15	0.30	1.35	1.65	-	0.030	-	0.030	0.10	0.20	-	-	0.0005	0.003
SAE 1540	0.38	0.43	0.15	0.30	0.70	0.90	-	0.025	-	0.025	0.70	0.90	-	-	-	-
19MnB4M	0.20	0.25	0.15	0.30	0.80	1.10	-	0.030	-	0.030	0.30	0.40	-	-	0.0008	0.003
30MnB4	0.27	0.32	-	0.30	0.80	1.10	-	0.025	-	0.025	-	0.30	-	-	0.0008	0.003
36CrB4	0.34	0.38	-	0.30	0.70	1.00	-	0.025	-	0.025	0.90	1.20	-	-	0.0008	0.003

*Note: : Customized Steel Grades can be produced as per Customer Specific Requirement Alloy Content of 6%

Wire Rod Product Specification
Salem

High Carbon Wire Rods-Chemical Composition%

Grade	C		Si		Mn		P		S	
	min	max	min	max	min	max	min	max	min	max
SWRH 27	0.24	0.31	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 32	0.29	0.36	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 37	0.34	0.41	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 42A	0.39	0.46	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 42B	0.39	0.46	0.15	max	0.60	0.90	-	0.030	-	0.030
SWRH 47A	0.44	0.51	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 47B	0.44	0.51	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 52A	0.49	0.56	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 52B	0.49	0.56	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 57A	0.54	0.61	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 57B	0.54	0.61	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 62A	0.59	0.66	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 62B	0.59	0.66	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 67A	0.64	0.71	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 67B	0.64	0.71	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 72A	0.69	0.76	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 72B	0.69	0.76	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 77A	0.74	0.81	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 77B	0.74	0.81	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 82A	0.79	0.86	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 82B	0.79	0.86	0.15	0.35	0.60	0.90	-	0.030	-	0.030

Welding electrode Quality- Chemical Composition%

	C		Si		Mn		P		S		Cr		Mo	
	min	max	min	max	min	max	min	max	min	max	min	max	min	max
EM 12K	0.05	0.15	0.10	0.35	0.80	1.25	-	0.030	-	0.030	-	-	-	-
ER 70S-6	0.07	0.10	0.80	1.00	1.40	1.60	-	0.020	-	0.020	-	-	-	-
ER 90S-D2	0.07	0.12	0.50	0.80	1.60	2.10	-	0.025	-	0.025	-	-	0.40	0.60
S2Mo	0.07	0.15	0.05	0.20	0.95	1.30	-	0.025	-	0.025	-	-	0.45	0.65
EWNR	0.10	-	0.03	0.38	0.62	-	0.025	-	0.025	-	-	-	-	-
RG Wire	0.05	0.09	-	0.04	0.45	0.60	-	0.010	-	0.010	-	-	-	0.02
EB 2	0.07	0.15	0.05	0.30	0.45	1.00	-	0.025	-	0.025	1.00	1.75	0.45	0.65

*Note: : Customized Steel Grades can be produced as per Customer Specific Requirement with the Maximum Alloy Content of 6%

Free Cutting Steel-Chemical Composition %

Grade	C		Si		Mn		P		S		Pb	
	min	max	min	max	min	max	min	max	min	max	min	max
EN 1A	-	0.15	-	-	0.9	1.3	-	0.07	0.20	0.30	-	-
EN 1A(Pb)	-	0.15	-	-	0.9	1.3	-	0.07	0.20	0.30	0.20	0.30
EN 8M	0.32	0.4	-	0.25	1	1.4	-	0.06	0.12	0.20	-	-
EN 15AM	0.32	0.4	-	0.25	1.3	1.7	-	0.06	0.12	0.20	-	-
EN 8DM/212A42	0.4	0.45	-	0.25	1	1.3	-	0.06	0.12	0.20	-	-
11SMn30	-	0.14	-	0.05	0.9	1.3	-	0.11	0.27	0.33	-	-
11SMnPb30	-	0.14	-	0.05	0.9	1.3	-	0.11	0.27	0.33	0.20	0.35
SAE 12L14	-	0.15	-	-	0.85	1.15	0.04	0.09	0.26	0.35	0.15	0.35
SAE 1117	0.14	0.2	-	-	1	1.3	-	0.04	0.08	0.13	-	-
SAE 1118	0.14	0.2	-	-	1.3	1.6	-	0.04	0.08	0.13	-	-
SAE 1141	0.37	0.45	-	-	1.35	1.65	-	0.04	0.08	0.13	-	-
SAE 1144	0.4	0.48	-	-	1.35	1.65	-	0.04	0.08	0.13	-	-
SAE 1146	0.42	0.49	-	-	0.7	1	-	0.04	0.08	0.13	-	-

Spring Steel- Chemical Composition%

Grade	C		Si		Mn		P		S		Cr		Mo		V		B	
	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
EN 45A	0.55	0.60	1.80	2.10	0.80	1.00	-	0.040	-	0.035	0.15	0.30	-	-	-	-	-	-
SUP 9	0.52	0.60	1.15	0.35	0.65	1.00	-	0.040	-	0.035	0.65	0.95	-	-	-	-	-	-
SUP 9A	0.56	0.64	1.15	0.35	0.70	0.95	-	0.040	-	0.035	0.70	1.00	-	-	-	-	-	-
SUP 11A	0.56	0.64	1.15	0.35	0.70	1.00	-	0.040	-	0.035	0.70	1.00	-	-	-	-	0.0005	-
65Si7	0.60	0.68	1.50	1.80	0.70	1.00	-	0.050	-	0.050	-	-	-	-	-	-	-	-
SAE 9254	0.51	0.59	1.20	1.60	0.60	1.00	-	0.040	-	0.040	0.60	0.80	-	-	-	-	-	-
50CrV4	0.47	0.55	-	0.40	0.70	0.80	-	0.040	-	0.030	0.90	1.20	-	-	0.10	0.20	-	-
52Cr4M02V	0.48	0.56	0.15	0.40	0.70	1.10	-	0.03	-	0.03	0.90	1.20	0.15	0.25	0.07	0.12	-	-

*Note: : Customized Steel Grades can be produced as per Customer Specific Requirement Alloy Content of 6%


23BWW66453
23BWW66511
23BWW66517

Wire Rod Product Specification
BPSL

Coil Particulars		
Product Range	**Minimum**	**Maximum**
Inner Dia of the Coil (5.5mm to 16mm)	900	-
Inner Dia of the Coil (16mm to 40mm)	1100	-
Outer Dia of the Coil (5.5mm to 16mm)	-	1250
Outer Dia of the Coil (16mm to 40mm)	-	1450
Coil Height (m)	-	2
Coil Weight (MT)	-	3
Packaging (Wire Binding)	4 Wire Binding (min)	

Supply Specifications	
Surface Defects	1.0% of Diameter (max)
Decarburization	1.0% of Diameter (max) Partial
Supply Condition	Hot Rolled Coils
Size Range	5.5 mm - 40 mm

Dimensional Tolerance		
Diameter (mm)	**Tolerance (mm)**	**Ovality (mm)**
5.50 to 8.00	+/- 0.13	0.20 max.
8.00 to 11.00	+/- 0.15	0.24 max.
11.00 to 15.00	+/- 0.18	0.25max.
15.00 to 22.00	+/- 0.20	0.30max.
22.00 to 25.00	+/- 0.24	0.35max.
25.00 to 28.00	+/- 0.25	0.40max.
28.00 to 31.00	+/- 0.28	0.4max.
31.00 to 34.00	+/- 0.30	0.50max.
34.00 to 38.00	+/- 0.36	0.60max.
38.00 to 40.00	+/- 0.40	0.60max.

Cold Heading Quality-Chemical Composition %

Grade	C		Si		Mn		P		S		Cr		Mo		B	
	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
SAE 1006	-	0.08	-	-	0.25	0.40	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1008	-	0.10	-	-	0.30	0.50	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1010	0.08	0.13	-	-	0.30	0.60	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1012	0.10	0.15	-	-	0.30	0.60	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1015	0.13	0.18	-	-	0.30	0.60	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1018	0.15	0.20	-	-	0.60	0.90	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1020	0.18	0.23	-	-	0.30	0.60	-	0.30	-	0.50	-	-	-	-	-	-
SAE 1541	0.36	0.44	-	-	1.35	1.65	-	0.30	-	0.50	-	-	-	-	-	-
SAE 4140	0.38	0.43	0.15	0.35	0.75	1.00	-	0.30	-	0.40	0.80	1.10	0.15	0.25	-	-
SAE 10B21	0.18	0.23	-	0.30	0.80	1.10	-	0.30	-	0.30	0.10	0.20	-	-	0.0005	0.003
SAE 15B25	0.23	0.28	-	0.30	0.90	1.30	-	0.30	-	0.30	0.10	0.20	-	-	0.0005	0.003
SAE 10B35	0.32	0.37	-	0.40	0.60	0.90	-	0.025	-	0.025	0.10	0.40	-	-	0.0008	max
SAE 15B41	0.36	0.44	0.15	0.30	1.35	1.65	-	0.030	-	0.030	0.10	0.20	-	-	0.0005	0.003
19MnB4M	0.28	0.32	-	0.30	0.90	1.20	-	0.030	-	0.030	0.40	0.50	-	-	0.0008	0.003

High Carbon Wire Rods-Chemical Composition%

Grade	C		Si		Mn		P		S	
	min	max	min	max	min	max	min	max	min	max
SWRH 42B	0.39	0.46	0.15	max	0.60	0.90	-	0.030	-	0.030
SWRH 47B	0.44	0.51	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 52A	0.49	0.56	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 52B	0.49	0.56	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 57A	0.54	0.61	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 57B	0.54	0.61	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 62A	0.59	0.66	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 62B	0.59	0.66	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 67A	0.64	0.71	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 67B	0.64	0.71	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 72A	0.69	0.76	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 72B	0.69	0.76	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 77A	0.74	0.81	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 77B	0.74	0.81	0.15	0.35	0.60	0.90	-	0.030	-	0.030
SWRH 82A	0.79	0.86	0.15	0.35	0.30	0.60	-	0.030	-	0.030
SWRH 82B	0.79	0.86	0.15	0.35	0.60	0.90	-	0.030	-	0.030

Welding electrode Quality- Chemical Composition%

Grade	C		Si		Mn		P		S		Cr		Mo	
	min	max	min	max	min	max	min	max	min	max	min	max	min	max
ER 70S-6	0.07	0.10	0.80	1.00	1.40	1.60	-	0.020	-	0.020	-	-	-	-

Free Cutting Steel-Chemical Composition %

Grade	C		Si		Mn		P		S		Pb	
	min	max	min	max	min	max	min	max	min	max	min	max
EN 1A	-	0.15	-	-	0.9	1.3	-	0.07	0.20	0.30	-	-
EN 1A(Pb)	-	0.15	-	-	0.9	1.3	-	0.07	0.20	0.30	0.20	0.30
EN 8M	0.32	0.4	-	0.25	1	1.4	-	0.06	0.12	0.20	-	-
EN 15AM	0.32	0.4	-	0.25	1.3	1.7	-	0.06	0.12	0.20	-	-
EN 8DM/212A42	0.4	0.45	-	0.25	1	1.3	-	0.06	0.12	0.20	-	-
11SMn30	-	0.14	-	0.05	0.9	1.3	-	0.11	0.27	0.33	-	-
11SMnPb30	-	0.14	-	0.05	0.9	1.3	-	0.11	0.27	0.33	0.20	0.35
SAE 12L14	-	0.15	-	-	0.85	1.15	0.04	0.09	0.26	0.35	0.15	0.35
SAE 1117	0.14	0.2	-	-	1	1.3	-	0.04	0.08	0.13	-	-
SAE 1118	0.14	0.2	-	-	1.3	1.6	-	0.04	0.08	0.13	-	-
SAE 1141	0.37	0.45	-	-	1.35	1.65	-	0.04	0.08	0.13	-	-
SAE 1144	0.4	0.48	-	-	1.35	1.65	-	0.04	0.08	0.13	-	-

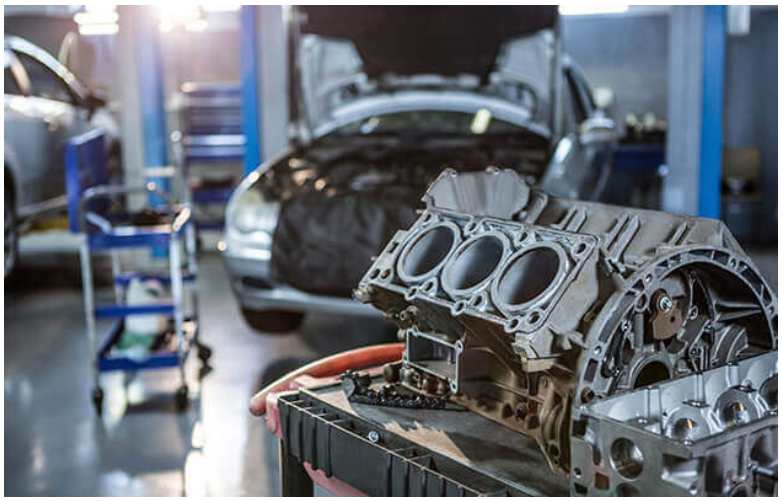
Spring Steel- Chemical Composition%

Grade	C		Si		Mn		P		S		Cr		Mo		V		B	
	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
EN 45A	0.55	0.60	1.80	2.10	0.80	1.00	-	0.040	-	0.035	0.15	0.30	-	-	-	-	-	-
SUP 9	0.52	0.60	1.15	0.35	0.65	1.00	-	0.040	-	0.035	0.65	0.95	-	-	-	-	-	-
SUP 9A	0.56	0.64	1.15	0.35	0.70	0.95	-	0.040	-	0.035	0.70	1.00	-	-	-	-	-	-
SUP 11A	0.56	0.64	1.15	0.35	0.70	1.00	-	0.040	-	0.035	0.70	1.00	-	-	-	-	0.0005	-
65Si7	0.60	0.68	1.50	1.80	0.70	1.00	-	0.050	-	0.050	-	-	-	-	-	-	-	-
SAE 9254	0.51	0.59	1.20	1.60	0.60	1.00	-	0.040	-	0.040	0.60	0.80	-	-	-	-	-	-
50CrV4	0.47	0.55	-	0.40	0.70	0.80	-	0.040	-	0.030	0.90	1.20	-	-	0.10	0.20	-	-
52Cr4M02V	0.48	0.56	0.15	0.40	0.70	1.10	-	0.03	-	0.03	0.90	1.20	0.15	0.25	0.07	0.12	-	-

Testing Facilities

- Cold Upset Testing Machine
- Universal Testing Machine (UTM)
- Bend/Rebend Test Machine
- Eddy Current Sorter
- Bench Magnifier
- Mobile Spectro
- Micro Ohm Meter
- Stereo Microscope
- Rockwell Hardness Tester
- Metallurgical Microscope

Application



Automobile

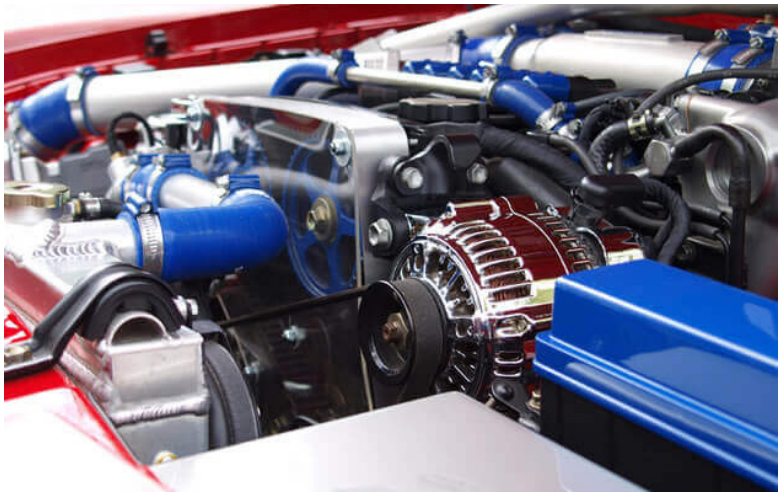
Cold Drawing

Cold Forming

Genral Engineering

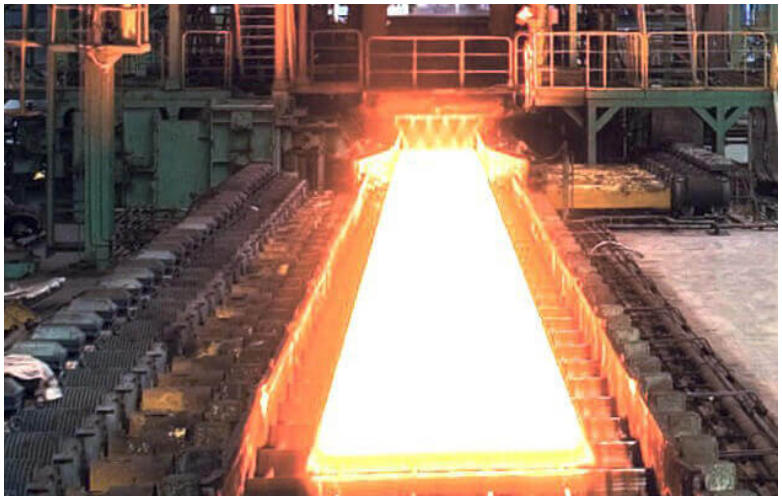
Application

Jewellery



Machining

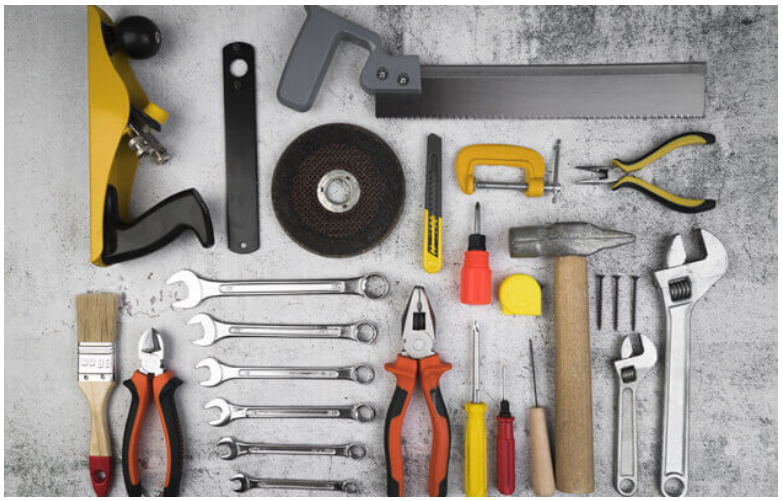
Bearings



Heat Treatment

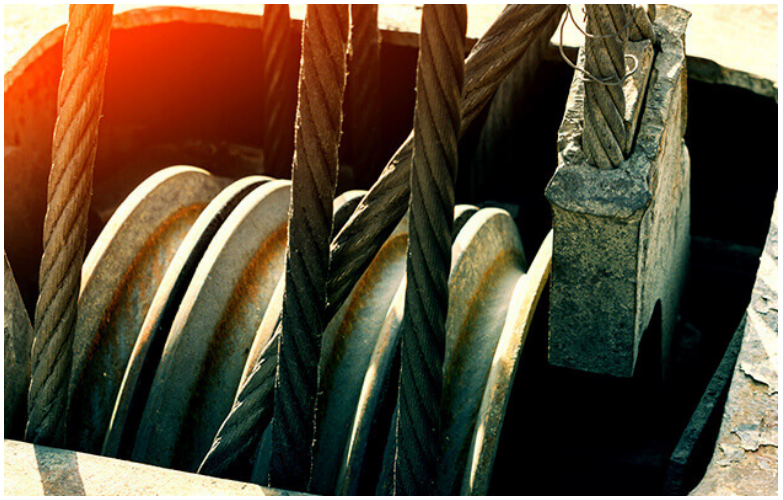
Application

Spring Applications



Tools

Welding



Wire Ropes

Application

Railways

Ports

Power

Bridges

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

AURANGABAD
JSw steel Ltd
Office no 306,3rd floor,05/1
A,B,C East Beside ,Prozone Mall
Chikaithana MIDC
Aurangabad

BANGALORE
JSW steel ltd
The Estate , Nest to Manipal Centre
9th Floor,East wing ,121,
Dickenson road
Bangalore-560042
Tel (08042448888)

BHUBANESWAR
JSW steel Ltd
JSS STP ,2nd Floor , Block B
Infocity, Chandrasekharpur E -1/1
Bhubaneswar-751024
Tel: 0674-6658904

CHENNAI
JSW Steel Ltd
Fagun Mansion, 5th Floor,
New No.74, Old No.26, Ethiraj Salai,
Egmore,
Chennai - 600 008
Tel.: 044-40961900

COIMBATORE
]SW Steel Ltd.
211, 2nd Floor, Sathya Complex,
ESR Avenue Nr Post office,
TV Swamy Road (East),
Coimbatore – 541002

DELHI
JSW Steel Ltd.
4'"Floor, NTH Complex,
A-2, Shaheed Jeet Singh Marg,
Qutub Institutional Area,
New Delhi - 110067
Tel: (011) 48178600

FARIDABAD
]SW Steel Ltd.
Nain Sadan, Sector 20A,
Plot No- 35,
Near EF3 Mall,
Faridabad - 121001
Tel: (0129) 2239248, 2232387

GUWAHATI
]SW Steel Ltd.
6th Floor, Unique Avenue,
Front Side,
Opp. Fire Station,
Super Market,
Dispur, Guwahati - 781 005,

HUBLI
]SW Steel Ltd,
2nd Floor, Signature Mall,
Airport Road,
Gokul Road,
Hubli - 580030

HYDERABAD
]SW Steel Ltd.
Babu Khan Millenniums Centre,
7'" Floor, Somajiguda,
Hyderabad -500082
Tel : (040) 27846669 / 79

INDORE
JSW Steel Ltd.
Bloc No: 22,23,24,
Scheme no. 54,
Princess Business
Sky Park,
Commercial, opp. Orbit,
AB Road,
Indore - 452010
Tel: (0731) 2532156 to 59

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

KANPUR
JSW Steel Ltd.
2ndFloor, 14/75,
Plot No. 1, Gopal Vihar,
Civil Lines, Kanpur – 208001

KOCHI
JSW Steel Ltd.
34/138L3, New No 41/150A3,
2nd Floor,
Above Dhe Puttu Restaurant
Service Road
NH By-pass
Edapally, Kochi ,
Kerala 682024

KOLKATA
JSW Steel Ltd.
Godrej Waterside,
101" Floor, Tower - 1
Unit No 1003,
Plot- DP-5 Sector V,
Salt Lake City
Kolkata - 700091
Tel : (033) 40002020

LUDHIANA
JSW Steel Ltd.
3'd Floor, SCO 7-8,
Canal Colony,
Firoz Gandhi Market,
Pakhowal Road,
Ludhiana - 141008
Tel.: (0161) 6611700

MUMBAI
JSW Steel Ltd
JSW Centre ,Bandra Kurla Complex
Bandra East
Mumbai-400051
Mb: 022-42863000

NAGPUR
JSW Steel Ltd.
L&T Building,
3'º Floor (Back Side),
Plot No: 12,
Shivaji Nagar,
Nagpur: 440 010

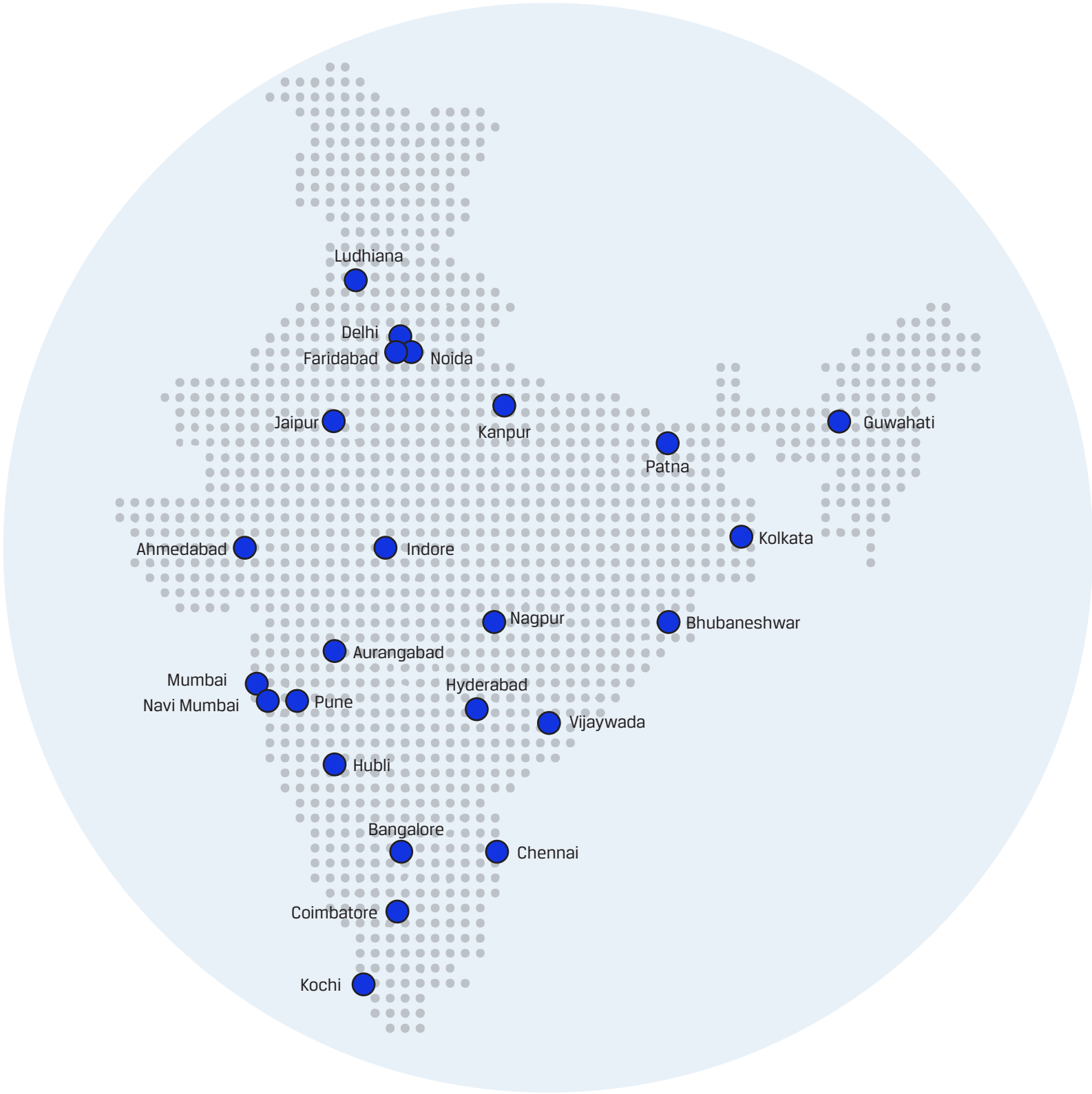
NAVI MUMBAI
JSW Steel Ltd.
1101-1102 a 1704-1707,
17'" Floor,
Plot No. 4 a 6,
Greenscape Cyber One,
Sector 30 A, Vasi,
Navi Mumbai - 400 705
Tel : 022 69337000

NOIDA
JSW Steel Ltd.
Trapezoid, C-27,
91" Floor,
Sector-62, Noida,
Uttar Pradesh

PATNA
JSW Steel Ltd.
Sai Tower, 3'd Floor,
Rekha House,
New Oak Banglow Road,
Patna - 800 001
Tel.: 0612 - 6696205

PUNE
JSW Steel Ltd.
EPI Centre, 2nd Floor,
CST No 4/6,
Above Royal Enfield Showroom,
Shivajinagar,
Wakadewadi,
Pune - 411005
Tel: (020) 66662300

VIJAYWADA
JSW Steel Ltd
VRN House Corporate,
2nd Floor, 3
8-4-12, Opp All India Radio,
Beside MG Road,
Punnamma Thota,
Vijaywada - 520010


Ludhiana
Delhi
Faridabad
Noida
Jaipur
Kanpur
Guwahati
Patna
Kolkata
Ahmedabad
Indore
Nagpur
Bhubaneshwar
Aurangabad
Mumbai
Navi Mumbai
Pune
Hyderabad
Vijaywada
Hubli
Bangalore
Chennai
Coimbatore
Kochi

Head Office:

JSW Centre, Bandra Kurla Complex,
Bandra (E), Mumbai - 400 051, India
Tel.: +91 22 42861000
www.jswsteel.in

Scan here for website