TATA STEEL
WeAlsoMakeTomorrow

TATA

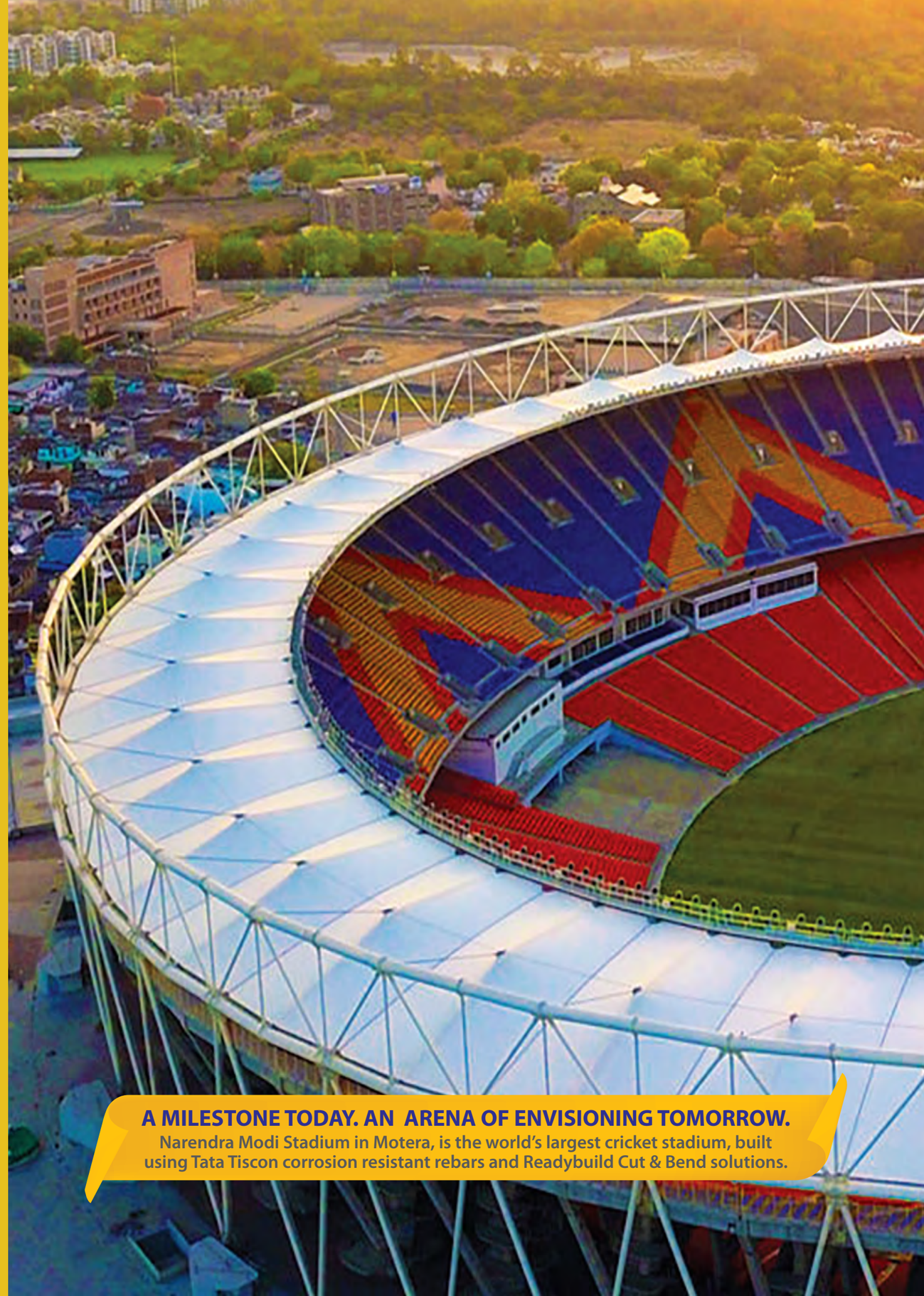
CONSTRUCTING THE FUTURE





Value Added Products & Downstream Solutions

Construction is an opportunity to build a lasting legacy

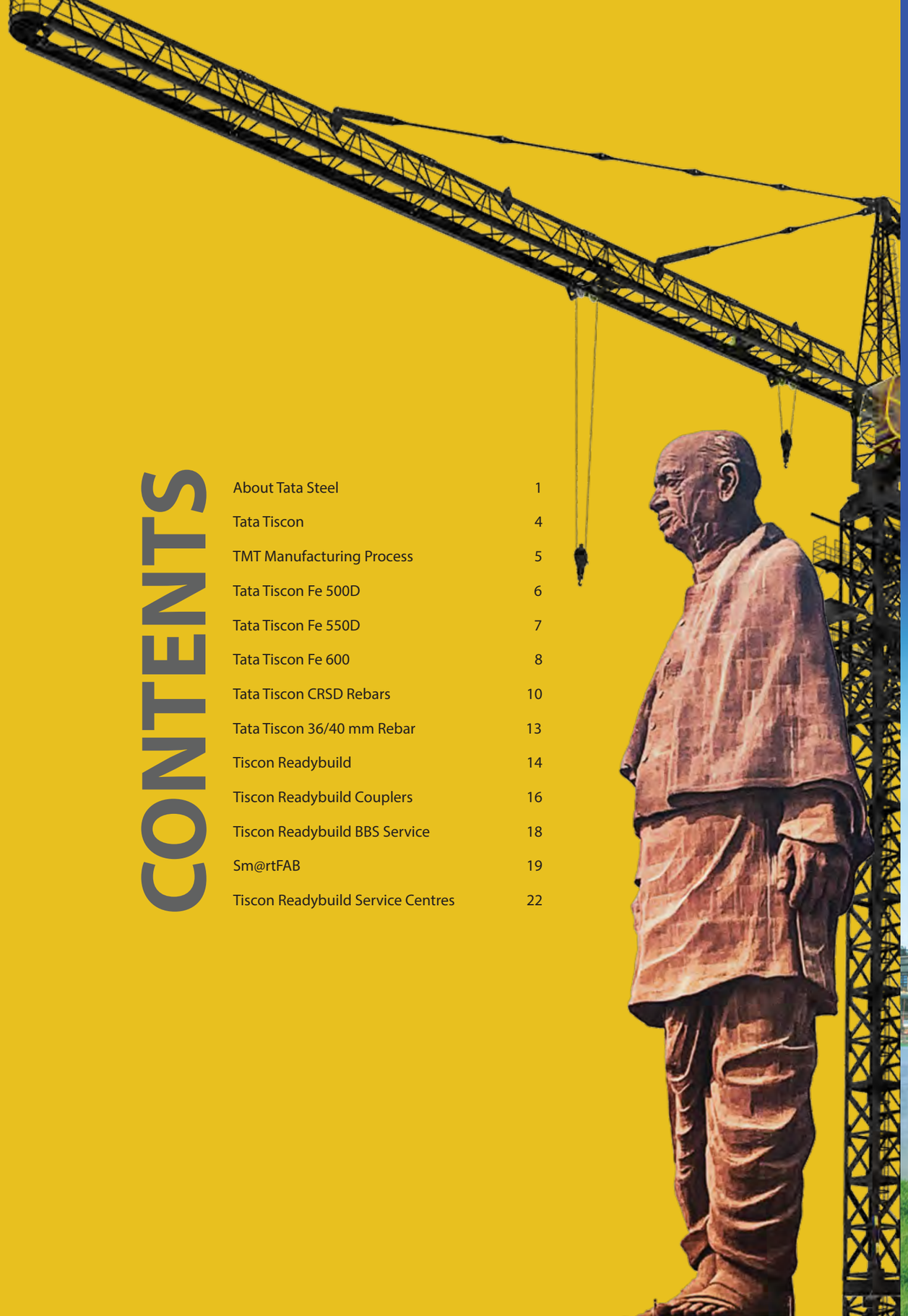


A MILESTONE TODAY. AN ARENA OF ENVISIONING TOMORROW.

Narendra Modi Stadium in Motera, is the world's largest cricket stadium, built using Tata Tiscon corrosion resistant rebars and Readybuild Cut & Bend solutions.

CONTENTS

About Tata Steel	1
Tata Tiscon	4
TMT Manufacturing Process	5
Tata Tiscon Fe 500D	6
Tata Tiscon Fe 550D	7
Tata Tiscon Fe 600	8
Tata Tiscon CRSD Rebars	10
Tata Tiscon 36/40 mm Rebar	13
Tiscon Readybuild	14
Tiscon Readybuild Couplers	16
Tiscon Readybuild BBS Service	18
Sm@rtFAB	19
Tiscon Readybuild Service Centres	22



ABOUT TATA STEEL

The world of Tata Steel is one without boundaries – growing, changing, and challenging. A world that embraces different skills, continuous innovation, sustainable growth and better quality of life.

Continuous improvement in our product and service portfolio, along with success in value creating initiatives for customers, allows us to serve global growth markets.

Today, Tata Steel has its operations and commercial presence across the world.

Annual Crude Steel Capacity 34 Million Tonnes Per Annum

One of the world's most geographically diversified steel producers

Fully integrated – from mining to the manufacturing and marketing of finished products

VISION

We aspire to be the global steel industry benchmark for 'Value Creation' and 'Corporate Citizenship'.

We make the difference through:

- Our People
- Our Policies
- Our Offerings
- Our Innovative Approach
- Our Conduct

MISSION

Consistent with the vision and values of the founder Jamsetji Tata, Tata Steel strives to strengthen India's industrial base through effective utilisation of staff and materials. The means envisaged to achieve this are cutting-edge technology and high productivity, consistent with modern management practices.

Tata Steel recognises that while honesty and integrity are essential ingredients of a strong and stable enterprise, profitability provides the main spark for economic activity.

Overall, the Company seeks to scale the heights of excellence in all it does in an atmosphere free from fear, and thereby reaffirms its faith in democratic values.

VALUES

- Integrity
- Excellence
- Unity
- Responsibility
- Pioneering



GLOBAL PLAYER

Towards a greener tomorrow

Tata Steel is one of the world's most geographically diversified steel producers, with operations in multiple countries. With over 77,000 employees, Tata Steel is a Great Place to Work-Certified™ organisation.

India

Five integrated steelmaking facilities:

- Jamshedpur in Jharkhand with **11 MnTPA** crude steel capacity
- Gamharia in Jharkhand with **1 MnTPA** crude steel capacity
- Meramandali in Odisha with **5.6 MnTPA** crude steel capacity
- Kalinganagar (Tata Steel Kalinganagar) in Odisha with **3 MnTPA** crude steel capacity
- Kalinganagar (Neelachal Ispat Nigam Limited) in Odisha with **1 MnTPA** crude steel capacity

Europe

Two integrated steelmaking facilities:

- IJmuiden in the Netherlands with **7 MnTPA** crude steel capacity
- Port Talbot in the UK with **5 MnTPA** crude steel capacity

27 downstream facilities
3 R&D facilities

Thailand

- NTS plant, SISCO plant and SCSC plant with a total capacity of **1.7 MnTPA**

Canada

- Iron ore mines in the Labrador and Northern Quebec regions
- Concentrator with a nameplate capacity of **4 MnTPA**

TATA TISCON - THE RELIABLE REBAR





Tata Tiscon rebars are available in several grades:

- Tata Tiscon Fe 500D
- Tata Tiscon Fe 550D
- Tata Tiscon Fe 600
- Tata Tiscon CRSD

Tata Tiscon rebars adhere to all the mandatory requirements of the Bureau of Indian Standards IS 1786. They are made in accordance with the TMT process.

WORLD-CLASS MANUFACTURING TMT PROCESS



Tata Steel was the first in India to develop **Thermo Mechanically Treated (TMT)** rebars, using the latest technology from Tempcore, Belgium. The rebars are produced in state-of-the-art plants under the close supervision of high-calibre metallurgists and engineers. The basic steel is made from virgin iron ore through the blast furnace - basic steel making - secondary refining - billet casting route, with minimum impurities.

Quenching

The hot rolled bar leaving the final mill stand is rapidly quenched by a special water spray system. This hardens the surface of the bar to a depth, optimised for each section through formation of martensitic rim while the core remains hot and austenitic.

Self-Tempering

When the bar leaves the quenching box, the core remains hot compared to the surface, allowing heat to flow from the core to the surface, causing tempering of the outer martensitic layer into a structure called 'tempered martensite'. The core still remains austenitic at this stage.

Atmospheric Cooling

This takes place on the cooling bed where the austenitic core is transformed into ductile ferrite-pearlite structure. Thus the final structure consists of an optimum combination of a strong outer layer (tempered martensite) with a ductile core (ferrite-pearlite). This gives Tata Tiscon its unique combination of higher strength and ductility.

Tata Tiscon
Fe 500D

Benchmark of purity and quality in the construction industry

Chemical Properties

Constituent (%)	IS 1786	Tata Tiscon Fe500D*
Carbon (Max)	0.25	*0.25*
Sulphur (Max)	0.04	*0.035*
Phosphorous (Max)	0.04	*0.035*
Sulphur and Phosphorous (Max)	0.075	*0.07*
Carbon Equivalent (Max)	0.50	*0.42*
Nitrogen ppm (Max)	120	*80*

Mechanical Properties

Property	IS 1786	Tata Tiscon Fe500D*
Yield Stress - N/mm2 (Min)	500	*520*
UTS - N/mm2 (Min)	565	*585*
UTS/YS Ratio (Min)	1.10	*1.12*
% Elongation (Min)	16	16
Total % EL at maximum force (Min)	5	5

*Figures in italics are typical values as obtained

Critical for quality test of a rebar

☑ Chemical Properties ☑ Physical Properties ☑ Bend and Re-bend Test ☑ Rim Uniformity	Tata Tiscon Fe500D conforms to all these tests

Key Approvals- PGCIL, BRO, EIL, AAI

Tata Tiscon
Fe 550D

Higher strength rebar

Chemical Properties

Constituent (%)	IS 1786	Tata Tiscon Fe550D*
Carbon (Max)	0.25	0.25
Sulphur (Max)	0.04	*0.035*
Phosphorous (Max)	0.04	*0.035*
Sulphur and Phosphorous (Max)	0.075	*0.07*
Carbon Equivalent (Max)	0.61	*0.45*
Nitrogen ppm (Max)	120	*80*

Mechanical Properties

Property	IS 1786	Tata Tiscon Fe550D*
Yield Stress - N/mm2 (Min)	550	*570*
UTS - N/mm2 (Min)	600	*635*
UTS/YS Ratio (Min)	1.08	*1.12*
% Elongation (Min)	14.5	14.5
Total % EL at maximum force (Min)	5	5

*Figures in italics are typical values as obtained

Tata Tiscon
Fe 600

Super strength has a new name

Tata Tiscon's unique method of manufacturing creates a combination of strength and ductility that conforms to IS:1786. Tata Tiscon Fe 600 offers 20% higher Yield Strength (YS) than the Fe 500 grade rebar.

APPLICATIONS

High Rise Buildings and Heavily Reinforced Members at Infrastructure Sites

AVAILABILITY

It is available in the following sizes: 10 mm, 12 mm, 16 mm, 20 mm, 25 mm and 32 mm.

Key Approvals - CIDCO, Maharashtra



Rebar samples are tested at NABL accredited Tata Steel Laboratories

BENEFITS:

Tata Tiscon Fe 600 rebars offer 45%* higher strength than conventional steel (415 MPa vs 600 MPa).

This results in:

- **Reduction of steel consumption:** Redesigning the structure using Fe600 rebar, reduces the steel requirement for a project by up to 25%*
- **Reduction in labour cost:** Less steel to handle and hence labour costs are lower by up to 15%*
- **Reduction in congestion:** Higher strength requires lesser bars (section-area) to carry similar loads resulting in lesser congestion improving the quality of construction
- **Faster progress:** Lesser steel handling and lower congestion enables faster project completion
- **Industrial reliability:** More flexibility and efficiency in design

Chemical Properties

Constituent (%)	IS 1786	Tata Tiscon Fe600*
Carbon (Max)	0.30	0.30
Sulphur (Max)	0.04	*0.035*
Phosphorous (Max)	0.04	*0.035*
Sulphur and Phosphorous (Max)	0.075	*0.07*
Nitrogen ppm (Max)	120	*80*
Nitrogen ppm (Max)	120	*80*

Mechanical Properties

Property	IS 1786	Tata Tiscon Fe600*
Yield Stress - N/mm2 (Min)	600	*620*
UTS - N/mm2 (Min)	660	*695*
UTS/YS Ratio (Min)	1.06	*1.12*
% Elongation (Min)	10	*14.5*

*Figures in italics are typical values as obtained



Tata Tiscon CRSD Rebars

Corrosion Resistant Steel Rebars

Corrosion - The devil within

Corrosion is the most deadly enemy of concrete structures. Wherever there is humidity, corrosion sets in steadily and destroys slowly, attacking houses, bridges, dams, industrial plants and just about any construction that has used concrete reinforced with steel. The peril of corrosion is detrimental to the inner strength of any concrete structure.



Build your project with superior corrosion-resistant rebars

Tata Tiscon CRSD - The Corrosion Fighter

Tata Tiscon CRSD keeps corrosion at bay and protects the life of your structures. Tata Tiscon's Corrosion Resistant Steel Rebars (CRSD) are best suited to resist both corrosion and damages caused by earthquakes. The Tata Tiscon CRSD with Fe500D properties fights salinity in the air, sea-water, ground water, moisture and acid particles in the air. Ordinary rebars on the other hand have a shorter life span.

Availability

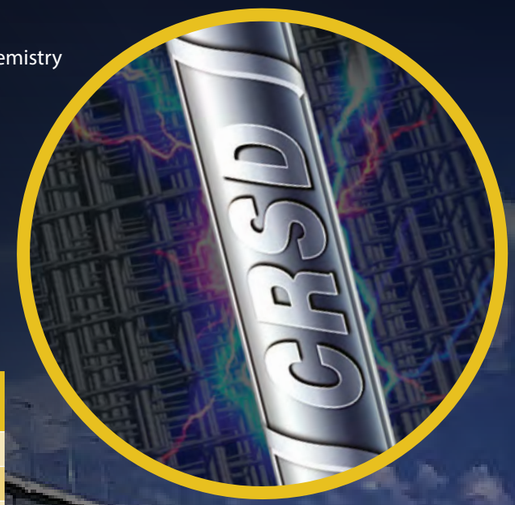
The unique protective chemistry of CRSD rebars not only resist corrosion but also prolongs the life of concrete structures. Tata Tiscon CRSD Fe500D (grade of IS 1786:2008) rebars are available in the following sizes: 8mm, 10 mm, 12 mm, 16 mm, 20 mm, 25 mm, 28 mm, 32 mm, 36 mm, 40 mm

Advantages

- Longer life- Corrosion resistance is achieved by improving steel's chemistry
- External coating is not required - No 'Coating Holiday' effect
- No extra operation required during fabrication

Applications

- Construction exposed to coastal, marine, corrosive, and saline underground environment
- Build your project with superior corrosion-resistant rebars



Chemical Properties

Constituent (%)	IS 1786	Tata Tiscon Fe 500 CRSD*
Carbon (Max)	0.25	*0.20*
Sulphur (Max)	0.04	*0.035*
Phosphorous (Max)	0.04	*0.035*
Sulphur and Phosphorous (Max)	0.075	*0.07*
Carbon Equivalent (Max)	0.50	0.45
Nitrogen ppm (Max)	120	*80*
Corrosion resistant elements (Cu + Cr + Mo + P+Ni) (Min)	0.4	0.40

*Figures in italics are typical values as obtained

Corrosion Resistant Index - 1.30

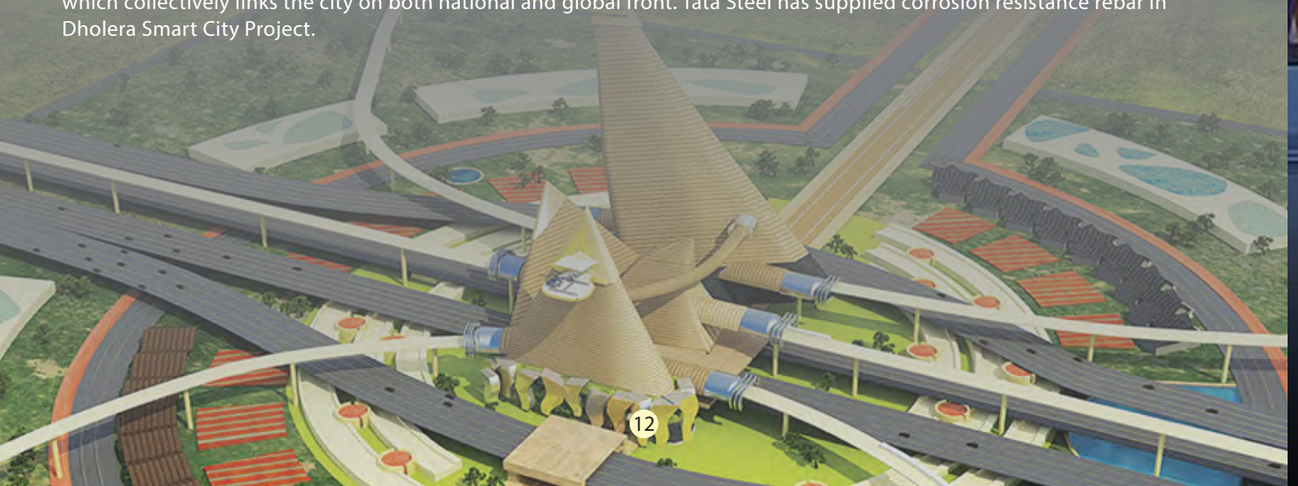
Tata Tiscon Fe500 CRSD conforms to IS 1786 specifications for chemical and mechanical properties.

BENEFITS OF CRSD OVER EPOXY & CPCC

The various differences between TATA TISCON CRSD, CPCC and Epoxy Coated Rebar art listed below.

Parameters	Tata Tiscon CRSD	Cement Polymer Composite Coating (CPCC)	Epoxy Coated Rebar
Corrosion Resistance Technology	Enhanced inherent immunity with special alloying addition	External coating that behaves more like a blanket cover	External coating that behaves more like a blanket cover
Surface preparation	Not required	Surface cleaning efficiency is a critical factor	Not required
Coating holiday effect	No coating holiday effect due to inherent corrosion resistance	Detection and elimination of all coating holidays under suspicion. Pits and discontinuities can lead to severe pitting & corrosion at the uncoated site	Pits and discontinuities in the epoxy film can lead to accelerated corrosion at the uncoated site
Bond strength with concrete	Better bond strength with concrete	Bond strength may not be high due to external coating	Lesser bond strength compared to CRS due to external coating
Welding	No special care is required	Coating gets damaged during welding	Not advisable for welding as coating gets damaged during welding
Fabrication (Cutting)	Normal practice as conventional rebar	Chances of cracking/flaking of coating while cutting	Chances of cracking/flaking of coating while cutting
	No protection required at bare cut end due to inherent immunity	Corrosion can initiate from exposed cut ends	Special tools needed for cutting to avoid damage in the vicinity of cut end
			Corrosion can initiate from exposed cut ends
Bending	Normal practice just as for conventional rebar	There are chances of the coating getting removed during bending. Bending to be completed prior to coating	There is a chance that the coating may get disbonded during bending if quality of coating is not proper
Handling	No special handling required	Extensive special handling required	Special handling required on-site to avoid coating damages
Final inspection and repair on-site	Not required	Quality control is difficult. Final inspection is required to repair all the visible damages. Labour intensive and needs close monitoring	Inspection on-site recommended to detect and repair all the visible coating damages
Usage of tie wire, couplers	Uncoated tie wire/couplers can be used on-site	Pre-coated tie wire/couplers to be used	Pre-coated tie wire/couplers to be used

Dholera Smart City ensures excellent connectivity through rail, road, express highway, international airport, metro and port which collectively links the city on both national and global front. Tata Steel has supplied corrosion resistance rebar in Dholera Smart City Project.

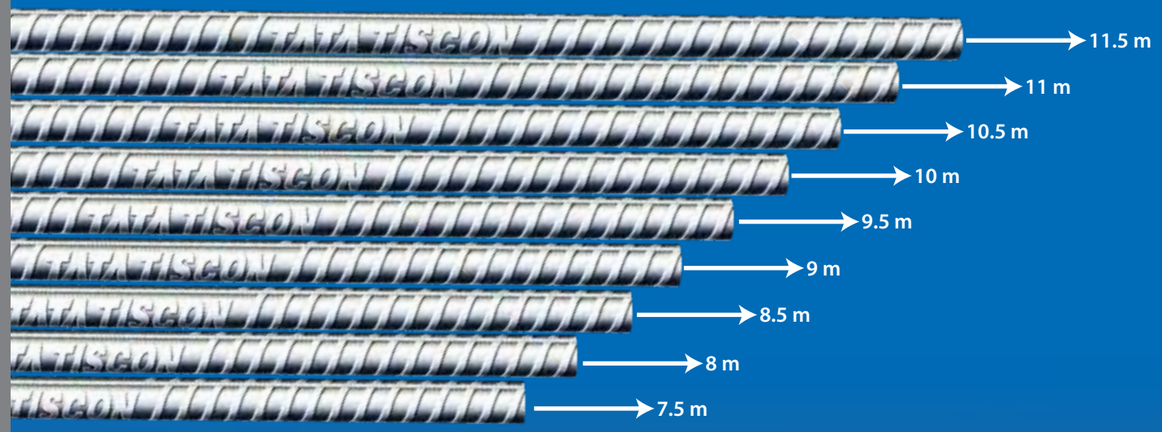


Tata Tiscon 36/40mm Rebar

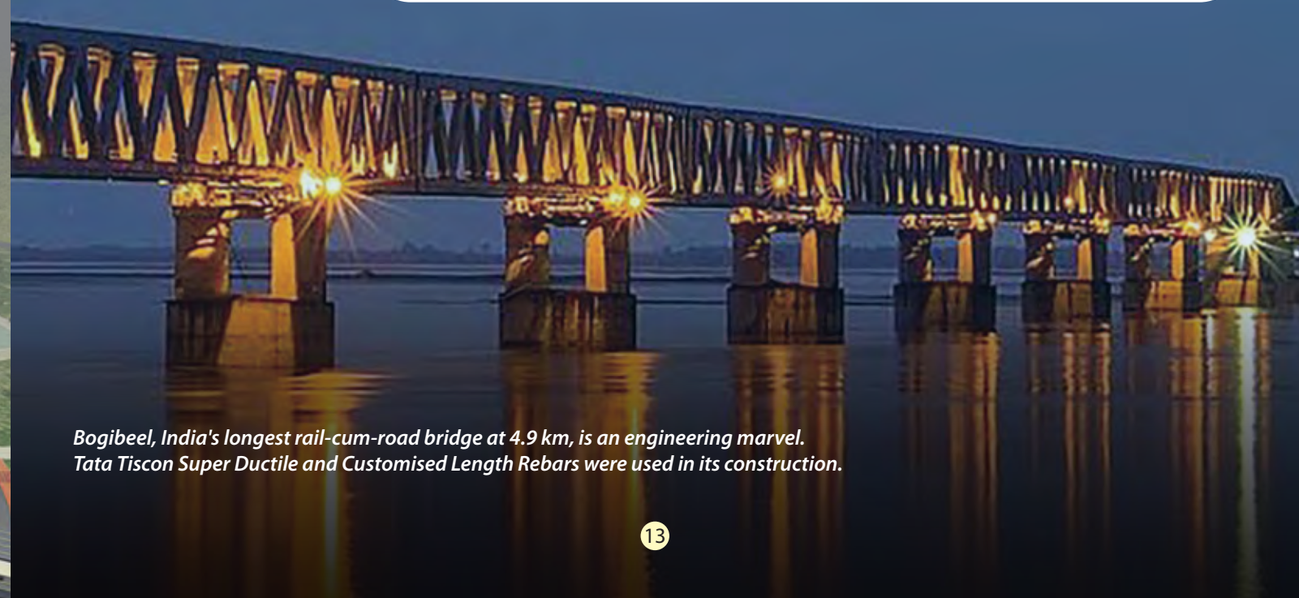
Tata Steel offers high grade rebars for heavy construction like Metro Rail, Tunnels, Bridges etc.

Customised length rebars of Tata Tiscon

Available in lengths of 7.5, 8, 8.5, 9, 9.5,10,10.5, 11 and 11.5 meters. Use of these rebars helps in steel optimisation and wastage reduction resulting in huge savings.







Bogibeel, India's longest rail-cum-road bridge at 4.9 km, is an engineering marvel. Tata Tiscon Super Ductile and Customised Length Rebars were used in its construction.

TISCON READYBUILD FOR HASSLE FREE CONSTRUCTION





Tiscon Readybuild is a rebar downstream solution that offers customised rebar solutions at construction sites across India through dedicated Readybuild Centres. The offerings are:

Ready to use Cut & Bend rebars

Customisation of rebars in required shapes by cutting and bending them at required angles, in accordance with the given project's specification.

Cut & Bend rebars with Couplers

A coupler is a hollow mechanical member, used to join two rebars. Both the ends and the inner surface of the coupler are threaded which helps in joining the rebars. Currently, rebars are tied together end-to-end with a wire resulting in wastage of the lap length.

Centralised BBS service

Tiscon Readybuild also offers a service of developing Bar Bending Schedules (BBS) for customers based on their structural drawings.

READY TO USE REBAR TECHNOLOGY

- Recommended by Border Road Organisation (BRO)
- Included in CPWD DSR (Delhi Schedule of Rates)
- Recommended by the expert committee on best practices and road construction set by MoRTH, GoI (Tambe Committee, May 2016)

TISCON READYBUILD
CUSTOMISED REBAR SOLUTIONS

BASKET OF BENEFITS

MANAGE SPACE EFFECTIVELY
On Time In Full delivery (OTIF) of tailor-made rebars helps in managing space efficiently

SIMPLIFY PROCUREMENT
Timely availability and hassle-free delivery makes the procurement process simple and easy

NO WASTAGE, NO WORRIES
Zero wastage on site eliminates disposal needs

SAFETY
Lesser cutting & bending work at sites provides greater safety to workers

MINIMISE LABOUR INVOLVEMENT
Lowers labour involvement at site thereby reducing labour cost and manual errors

ENSURE TOP QUALITY
High quality rebars are customised in the exact shape and size as per requirements

EASY INVENTORY MANAGEMENT
With Tiscon Readybuild, there is no need to store rebars beforehand on site. Moreover, Readybuild Tags make identification easy for immediate use

ABSOLUTE PRECISION
The exact angle of bend is achieved and exact shapes are delivered according to the working schedules and in individualized bundles

PROJECT COMPLETION ON TIME
The time saved in the process of using customised rebars ensures that the projects are completed on time

7 DAY DELIVERY
The entire kit is delivered in cut and bend form within 7 days of finalisation of BBS/Order

READY FOR EVERY CONSTRUCTION NEED

Infrastructure	Industrial	Housing & Commercial
Bridges & Flyovers, Dams, Power Projects, Wind Farms, Metros, Airports, Ports, Govt. Bodies & Others	IT Parks, Industrial Units, Commercial Projects and Others	Housing - including Residential & Mass Housing Projects, Malls, Hospitals, Colleges & Others

TISCON | Couplers

TISCON READYBUILD CUT AND BEND SERVICES WITH COUPLERS



Lapping of rebar is the most common method of reinforcement bar joints. Two bars are laid parallel to one another over a certain lap length and tied together with the help of a binding wire.

Problem with lapping practice

With an additional length required for lapping of rebars, the practice leads to an extra usage of rebar and increases congestion possibilities at lapping junctions when concrete is poured. Also, the task of holding and tying the bars together is labour intensive and time consuming.

Lapping can be avoided with Couplers

What are Couplers?

Couplers are hollow mechanical members. These are threaded inside and are screwed on to the two rebars which are to be joined to form a robust mechanical joint.

Solving the problem with Tiscon Readybuild Couplers

In another first for an Indian steel producer, Tata Steel has introduced mechanical couplers, to be used along with Tata Tiscon rebars for avoiding lapping and the losses incurred hence.

As provisioned in IS 456:2000, mechanical coupling options could be used to join two rebars.



Areas of application

- Wall to slab connection
- Beam to column connection
- Column-lap replacement
- Raft foundations
- Future extensions/additions
- Precast elements

Did you know?

Couplers are available in SKU range from 16 to 40 mm

Key Approval – BHEL



A WORLD OF BENEFITS

Reduced Rebar Usage

- Lap lengths of the order of 40-50x Diameter, which cannot add any value structurally, are avoided
- Usage of binding wires and difficult handling is avoided

Reduced Congestion

- Smooth flow of concrete during pouring and hence, sound structural integrity
- Ideal Steel ratio ensures optimum steel in structural member cross section

Higher Structural Integrity

Mechanical Joints are less dependent on the concrete for load transfer

Faster Construction

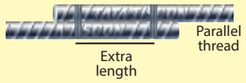
Reduced handling and faster assembly ensures quicker installations

Easier Future Extensions

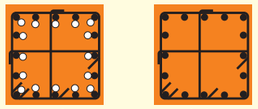
- Couplers can be installed as provisions for future extensions
- A coupler eliminates the undesired look of extended rebars and the huge amount of concrete breaking required during extension

Independently tested and certified by IIT Delhi

Reduced Rebar Usage



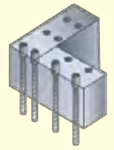
Reduced Congestion



Higher Structural Integrity



Easier Future Extensions



Faster Construction



Availability

*Available in diameters from **16 mm** to **40 mm.** Reducer couplers are also available*



TISCON READYBUILD BBS SERVICE

Tiscon Readybuild helps develop Bar Bending Schedules (BBS) for customers based on their structural drawings helping in better optimisation.

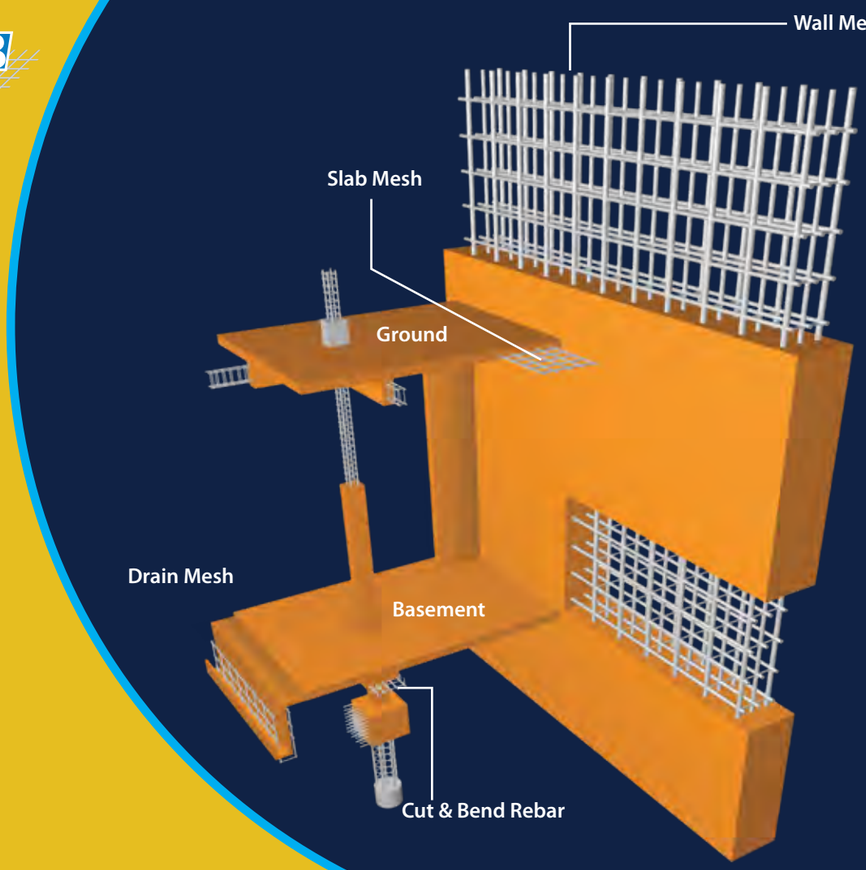
The Bar Bending Schedule is created from:

- AutoCAD drawings
- Structural drawings in PDF format
- Structural drawings in hard copy format

Sm@rtFAB

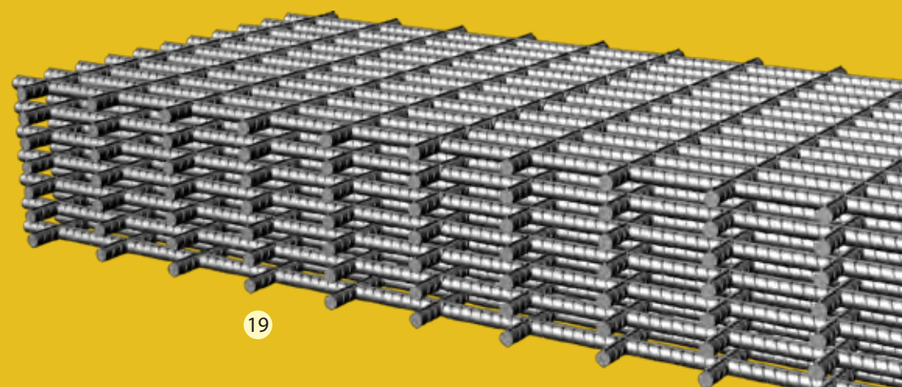
Sm@rtFAB

INDIA'S FIRST BRANDED WELDED WIRE FABRIC FOR CONCRETE REINFORCEMENTS



Sm@rtFAB, India's first branded welded wire fabric(WWF), is the latest inclusion in our downstream portfolio.

It is a cold-worked, ribbed, electrically fused wire fabric, that can be used in concrete reinforcements, leading to optimum steel usage close to actual design, thus reducing steel intensity and leading to cost and time savings.



Features:

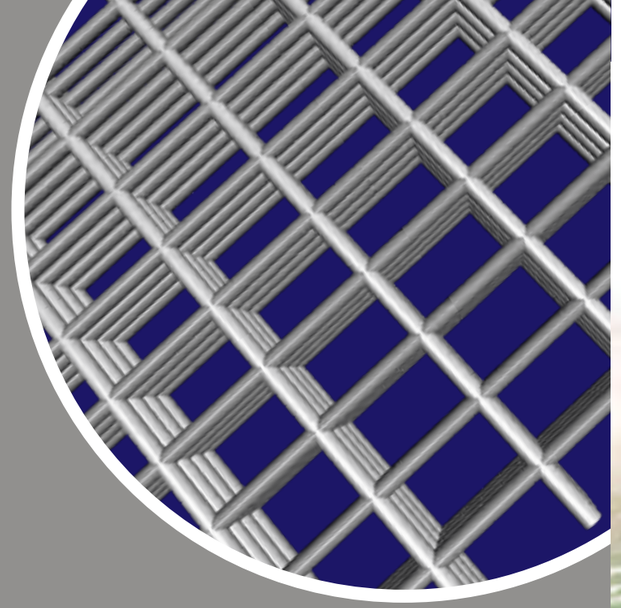
- Usage of electric fusion welding
- Spacing accuracy is guaranteed
- Produced as per IS 1566 (Hard drawn steel wire fabric for concrete reinforcement) with steel complying to IS 432-2 Physical and chemical properties of Welded Wire Fabric (WWF) is determined based on IS specifications

Benefits:

- Increase in speed of construction
- Material cost reduction
- Labour productivity enhancement
- Effective site management
- Better quality assurance

Applications:

- Slab reinforcements in industrial warehouse flooring, multi-level car parking and commercial, residential buildings
- Roads and Airport Tarmacs
- Tunnel Lining
- **Irrigation:** Canal Lining and Hume Pipes
- Gabions and Retaining Walls



Available in:

- **Wire Diameter:** From 2 mm to 12 mm at an interval of 1 mm
  a) From 2 mm to 4.9 mm (plain WWF in roll form)
  b) From 5 mm to 12 mm (ribbed WWF in flat customized sheets)
- **Spacing interval:** In rectangular grids from 75mm to 300mm at an interval of 5 mm
- **Fabric Size:** Up to 2.4 meter (width) x 6 meter (length)



MANUFACTURING TECHNOLOGY



Sm@rtFAB is manufactured using state-of-the-art machine and technology with Tata Steel's quality assurance.

Different states of the manufacturing process is detailed below:

Cold Working

Increases tensile strength with wire rods made of low carbon steel SAE1008 to 1015 (IS7887 Grade 3-7).

Ribbing

Better bond with concrete and controls cracks. Ribbing benefit is mostly for overhang regions of a weld mesh.

Electric Fusion Welding

A semi-automatic and precise welding machine is capable of delivering welds at calculated joints with electrical resistance that generate ample amounts of heat to create the weld.

Packaging

Every bundle is provided with tags for easy identification and traceability.

Each tag carries Tata Steel and Sm@rtFAB logo along with detailed dimension of the welded wire fabric.



TATA STEEL

Build Smart Build Easy

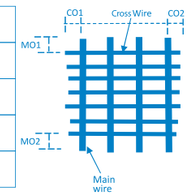
Sm@rtFAB

India's first branded welded wire fabric

Date:

Sheets/Rolls

Main Wire / Cross Wire Dia	
Width X Length (m)	
Dimension	
MO1/MO2	
Co1/Co2	



Customer -

Project -

NETWORK OF TISCON READYBUILD SERVICE CENTRES

TISCON READYBUILD CENTRE OFFICE ADDRESSES

NETWORK OF TISCON READYBUILD CENTRE OFFICE ADDRESS

EAST

BHUBANESWAR
Sagar Business Pvt. Ltd.
Plot No.lll, Rudrapur, P.O. Pahal P.S. Balianta,
Khurda, Bhubaneswar-752101, ✆ 067-46510908

GUWAHATI
SM Corporation Ltd.
3rd floor, Anil Plaza, near IDBI Bank Building,
ABC, G S Road, Guwahati-781005,
✆ 09435048008, 0361-2464933-34,0361-2450020

KOLKATA
Bluemoon Commercial Pvt. Ltd.
2 N.C. Dutta Sarani, Sagar Estate, 4th Floor,
Kolkata - 700001, ✆ 033-22306806/6828

JAMSHEDPUR
Pasa Resources Pvt. Ltd.
M-1 (Part), Phase 6, Adityapaur Industrial Area, Ghamaria,
Jamshedpur-832108, ✆ 0657-2201002

DHANBAD
Shri Ram Sales
G T Road, Kowabandh,Govindpur-828109,
Dhanbad, Jharkhand, ✆ 09204857623

PATNA
BMW Enterprises
Mona Cinema Complex (1st Floor), East Gandhi Maiden,
Patna - 800 004, ✆ 0612-6531120/21

WEST

AHMEDABAD
Sachi Solutions Pvt. Ltd.
B-502, Nirman Complex, Navrangpura,
Ahmedabad-380009, ✆ 079-55300108
Mridul Ispat
B-804, 'NIRMAN' Behind Navrangpura Bus Stand,
Navrangpura, Ahmedabad-380009
✆+91 98240 46932, 95740 04940, 079-26563312-26430880

INDORE
SKM Steels Limited
311 & 305, Apollo Tower, 2, M G Road, Indore, MP - 452001
✆ 0731-4066988/2515150/2515160, 09826051517

NAGPUR
Savitriprakash Processing Works
Ghat Road, 440018, Nagpur Rural, ✆ 9823249659

MUMBAI
Indu Coporation Pvt. Ltd.
Nishuvi, 4th Floor, 75, Dr. Annie Besant Road,
Worli, Mumbai, ✆ 9821155000
SKM Constra
Dhruv Logistic Park, Plot No-Bl To B7, Near MIDC Taloja,
koynavele, Panvel, Raigad, ✆ 9820883446

PUNE
B. Odhavji and Company
Plot No 25-1/2, Old Mumbai Pune Road, Near Raghunandan
Mangel Karyalaya, Tathawade, Pune - 411033,
✆ 91 20 2727 3570 / 1144, +91 9922440775

NORTH

DELHI
Daga Trading Company Pvt. Ltd.
Prithla Dhatir Road, Village Prithla Palwal
HR, Pincode 121102, ✆ 9212736109

JAIPUR
VST Global Steels Pvt. Ltd.
DTC GROUP, DTA 002-002, Mahindra World City Phase 1,
Mahindra Sez, PO-Kalwara, Jaipur 302037
✆ 9982221216/9983321216

KANPUR
KPJ Distributors
Chak No 1989 Bevine Marg Village,
Umaran, Near Rania Industrial Area,
Kanpur, Uttar Pradesh, ✆ 9839425522

LUDHIANA
Krishna Business Associates
Adjoining Tee Emm Motors-IBP Petrol Pump,
Malik Complex, First Floor, Chandigarh-Ambala Highway,
Village Pabhat, Zirakpur, Distt. Mohali (Pb). 140105
✆ 01762-509252, 0172-6573088, 0172-6575088,
09814116088

UTTARAKHAND
Vikrant Ispat Udyog
Haridwar-Dehradun Road, Harrawala,
Uttarakhand-248001, ✆ 9214615817

GHAZIABAD
Vikrant Ispat Udyog
E45, Loha Mandi, Bulandshahr Road Industrial Area,
Ghaziabad, Uttar Pradesh-201001
✆ 0120 4109988/6544586, 09811073040/ 09811022458

SOUTH

HUBLI
Indian Mineral
Hirepeth,
✆ 09800051080, 9742223401

HYDERABAD
Samrat Iron Pvt. Ltd.
5-4-83, 1st Floor,
T.S.K. Chambers, M.G. Road,
Secunderabad-500003,
✆ 040-66905500

BENGALURU
GK Ispat Private Limited
172 Kannamangala Village,
Bidarahalli Hobli,Bangalore - 67
(Opp: Shai Lakshmi Industries)
✆ 9945243745, 9945761378

CHENNAI
VNC Group
11/4, Janaki Avenue,
M.R.C. Nagar, R.A. Puram, Chennai-600028
✆ +91 4424611373/74

TATA STEEL

Tata Steel Limited
Tata Centre, 43, Jawaharlal Nehru Road, Kolkata 700 071, India
Toll free No.: 1800 108 8282