JINDAL STEEL TUBES LTD

A Brand of DS Jindal Group

50+ Years of Legacy

Brochure 2026

JINDAL STEEL TUBES LTD

A Brand of DS Jindal Group

50+ Years of Legacy



50+ Years Of Trust

Raising The Standard Of Strength

Introducing

JSTL 550SD



High-Strength **TMT Bars** for
Modern Construction

The Legacy Behind JSTL

The Visionary Who Started It All

- In **1965, Debi Sahai Jindal** and his brothers began their first manufacturing venture in Hisar, Haryana, producing MS, ERW and Black Galvanised steel pipes and tubes.
- What began as a manufacturing business grew into the DS Jindal Group, with interests across steel, construction, plumbing, education and finance.
- His contribution to Trade & Industry was recognised with the Padma Shri in 1971.
- Today, the Group continues to be guided by the values he established: integrity, quality and long-term trust.

50+ years of legacy.

A foundation built on values.

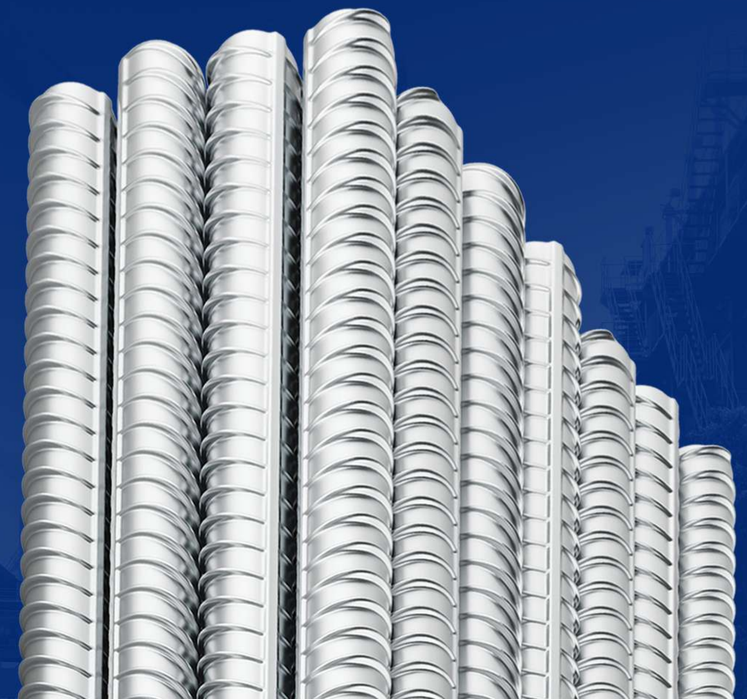


PADMASHRI DEBI SAHAI JINDAL

The JSTL Standard

High Strength. Proven Ductility. Reliable Performance.

JSTL 550SD is developed for demanding structural applications, combining high strength with theductility and durability required for modern construction.



WHY JSTL 550SD?

01 Seismic Performance
High energy absorption for earthquake-resistant construction.

02 Higher Strength
Exceeds key BIS minimum performance requirements

03 Material Efficiency
Higher strength can reduce steel consumption

04 Virgin Iron Inputs
Controlled steel chemistry with low sulphur and phosphorus

05 Superior Bond
Advanced rib design for better grip with concrete

06 Fire Resistance
Protection up to 600°C

07 Better Bendability
Suitable for standard on-site bending

08 Rigorous Testing
Quality checks throughout production

09 Pan-India vailability
Establishing and growing distributor and dealer network

10 Traceable Steel
QR code + Lot Number on every bar

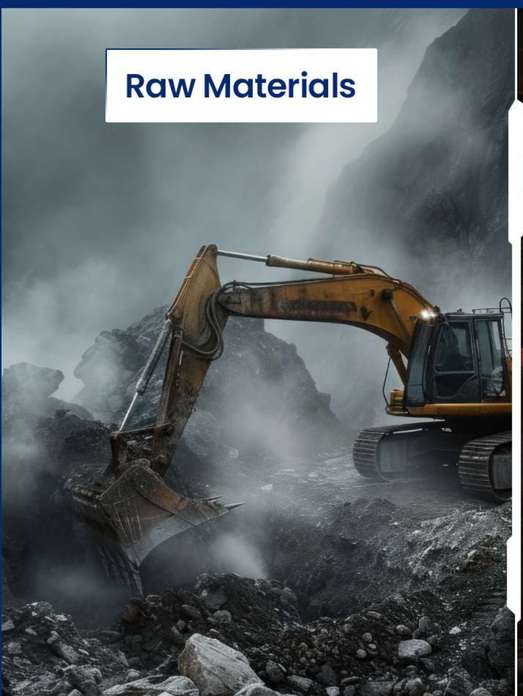


MANUFACTURING

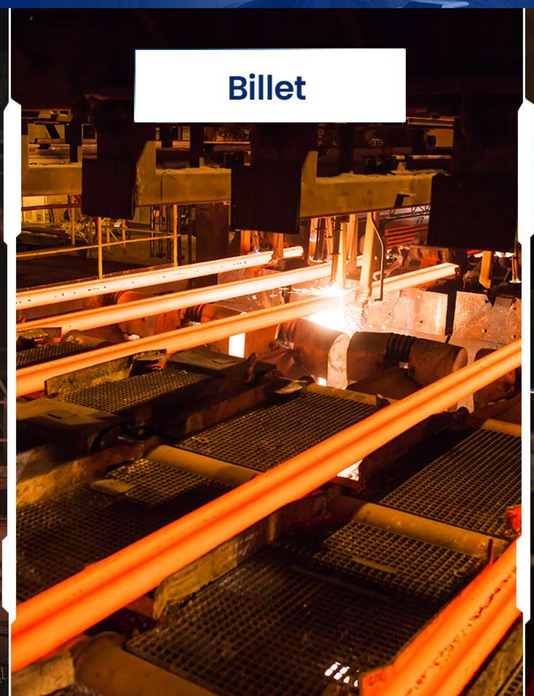
Quality Engineered From The Beginning



JSTL follows an integrated manufacturing process, beginning with virgin iron inputs and continuing through steelmaking, billet production and rolling.











PROCESS & QUALITY

Control At Every Stage

JSTL 550SD is manufactured using the integrated:

BF/DRI **EAF/BOF/NOF** **LRF** **Concast**

Steelmaking route that supports highly controlled and clean steel chemistry.



QUENCHING & SELF-TEMPERING

01 | QUENCHING
Rapid cooling creates a hard Martensite surface.

02 | SELF-TEMPERING
Core heat tempers the intermediate layer.

03 | ATMOSPHERIC COOLING
Gradual cooling forms a tough Ferrite + Pearlite core.

Result: A fine-grain, multiphase structure delivering strength and ductility.

QUALITY CONTROL



Optical Emission Spectrometers



Universal Testing Machines



Bend & Rebend Testers



Hardness Testers

ISI Mark | IS 1786



ENGINEERED FOR THE DEMANDS OF MODERN CONSTRUCTION.

Modern structures demand more from the materials that support them. JSTL 550 SD TMT is developed with a focus on dependable structural performance, manufacturing consistency and application versatility.

From residential and commercial buildings to infrastructure and industrial construction, JSTL 550 SD is designed to be a reliable reinforcement solution across diverse construction requirements.

PAN-INDIA PRESENCE

JSTL is currently serving markets across India, with a rapidly expanding presence across individual territories.



Expanding reach.

Stronger partnerships.

Our Reach

A growing network of dealers and distributors supports wider availability and stronger market connectivity.

STRENGTH THAT DRIVES COST EFFICIENCY

Reduce Your Project cost with JSTL 550 SD

Higher-grade reinforcement reduces the quantity of steel required for comparable structural designs.

Steel Savings

Grade Shift: **Fe 415 ➡ Fe 500**	Typical Steel Saving: ~**6.7%** ✓
Grade Shift: **Fe 500 ➡ JSTL Fe 550**	Typical Steel Saving: ~**7.5%** ✓
Grade Shift: **Fe 415 ➡ JSTL Fe 550**	Typical Steel Saving: ~**12.5%** ✓

THE PROJECT-LEVEL **ADVANTAGE**

Lower steel consumption can also mean:



Less reinforcement congestion



Reduced handling and crane movement



Lower labour requirements



Faster placing and tying

The value of steel is not only its price per tonne.

It is the efficiency it brings to the project.





AUTHENTICITY & APPLICATIONS

Know your JSTL With Clear Identification

THE JSTL HALLMARK







QR Code — Scan to verify

Lot Number & Size — Clearly identified

ISI Mark — Product compliance

Authorised Dealers — Buy through the authorised network

APPLICATIONS













When structural performance matters, ***authenticity*** matters too.

BUILT STRONGER FROM WITHIN

Strength, ductility and durability in one rebar

Designed for demanding structures, JSTL 550SD combines high strength and high ductility with reliable bonding, bendability and durability.

Strength:	570 MPa* minimum yield strength for higher load capacity.
Safety:	1.15 UTS/YS ratio and 16% minimum elongation for enhanced ductility.
Bond:	Special rib design for a stronger grip with concrete.
Bendability:	Advanced microstructure enables easy bending.
Durability:	Built for consistent, long-term performance.

Technical Specifications

Mechanical properties

JSTL 550SD	
Min. YS	570 MPa*
Max. YS	660 MPa*
Min. UTS	15% higher than YS, not less than 655 MPa
Min. UTS/YS	1.5
Max. UTS/YS	1.25
Min. Elongation	16%
Elongation at max force	5%

Chemical properties:

JSTL 550SD	
Carbon	0.25%
Sulphur	0.035%
Phosphorus	0.035%
S+P	0.070%
Carbon Equivalent	0.035%

**95% values are within this limit.*

Product range

6 | 8 | 10 | 12 | 16 | 20 | 25 mm

BENDS WITHOUT LOSING STRENGTH

The power of super ductility

During an earthquake, structures face sudden and repeated stress. Super ductile rebars can stretch and deform before failure, helping the structure better withstand seismic forces.

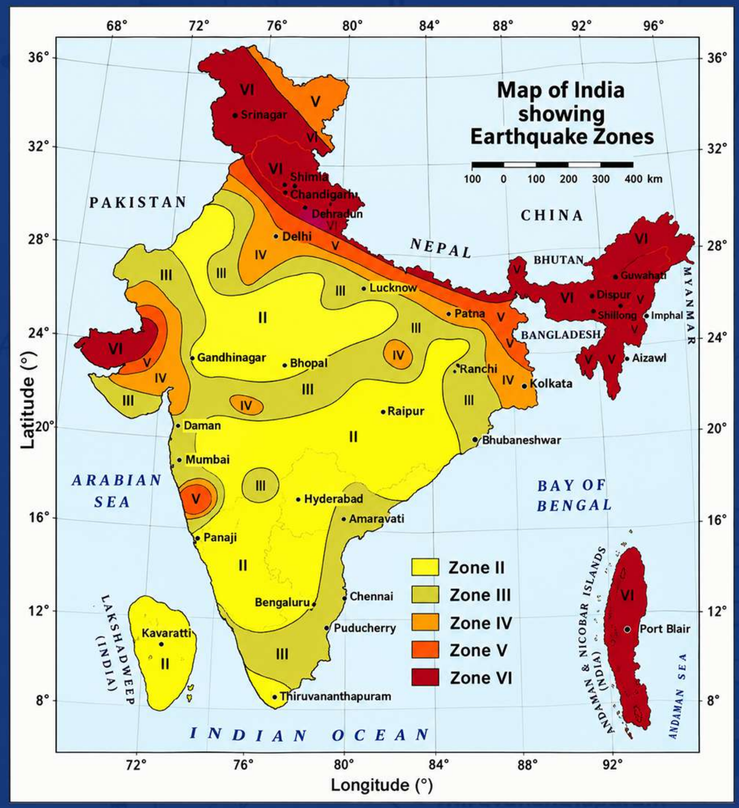
How does it work?

Stretch More	Resist More	Perform Better
16% minimum elongation allows greater deformation before fracture.	1.15 UTS/YS ratio provides a higher strength reserve.	Strength and ductility work together under seismic stress.

**Ductility that works under stress*

Earthquake Prone Areas

India is classified into Seismic Zones II, III, IV and V based on the severity of earthquake ground shaking.



PRODUCT PORTFOLIO

More Solutions For Modern Construction

Our steel portfolio continues to expand to serve diverse construction and industrial requirements.

Other Products:



JSTL Premium Colour Coated Profile Sheets



Jindal MS & GI Pipes, Tubes & Hollow Sections



JSTL MS & GI Binding Wires

A growing range of steel solutions, backed by

50+ years of experience.

Set the benchmark higher with JSTL

JSTL 550SD brings together high strength, ductility, controlled chemistry and consistent quality for demanding construction requirements.



Backed by the **DS Jindal Group's** 50+ year legacy, JSTL is building stronger relationships with contractors, developers, infrastructure companies, dealers and individual builders across India.

Let’s build a stronger India with JSTL TMT



For product enquiries, project requirements and dealership opportunities:

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