



# JINDAL®

Trust of  
50  
Years

## The No. 1 Steel Products



550 TMT Bars



550 TMT Bars



Exclusively Manufactured by :  
**RADHA SMELTERS PVT LIMITED**

Off. : 8-2-269/S, Plot No. 75, Sagar Cooperative Society  
Road No. 2, Banjara Hills, Hyderabad - 500 034. T.S. INDIA  
E-mail : sales@radhasteel.com

Authorised Distributor for Jindal 550 TMT bars

**M M Steel Traders**

12-4-107/A, Mustabad X Road, Beside Andhra Bank, Medak Road, SIDDIPET.  
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JINDAL FE-550

JINDAL FE-550



# JINDAL<sup>®</sup>

RSPL (Licenced by SGRM India (P)Ltd.) has introduced finest quality Rebars Fe-550 in South India under the brand name of Jindal. It is well accepted by the engineers, professionals as well end users. We are also recognized as a prominent manufacturer and supplier of Fe-550.

Today, RSPL is engaged in the business of standard steel products in Southern India with a range of product portfolio which is second to none. Each product is rolled after passing through rigorous quality test and certification.

RSPL constant Dynamism, Innovation, Expansion and Technological up gradation is moving ahead with its time Tested motto of Product Quality and Customer Satisfaction. In the global scenario RSPL is continuously striving to be a customer driven organization, marketing its product at competitive price.



## JINDAL REBARS ADVANTAGES

**RAW MATERIAL** - jindal Rebars are manufactured 100% only from billets produced inhouse integrated steel plant. The availability of Imported high grade steel scrap ensures better control for the manufacturing of Jindal Rebars.

**ROLLING** - The Rolling Mill is equipped with computerized controlled process monitoring devices to ensure uniform rolling throughout the bar length.

**BEST BONDING WITH CONCRETE** - Despite steel and concrete being two different materials, they should form as a single unit in a reinforced structure. this can happen only when the concrete grips the steel Rebars to form the strongest bond through unique rib pattern of Jindal Rebars which has a greater rib depth, closer rib spacing and a unique angle of the ribs. these ribs are not man made but made by using the computer controlled notch cutting "CNC" machines. Ordinary manually made ribs will always leave the scope for non uniform and weaker bonding through out the structure. Because of this better bonding with concrete, Jindal Rebars shall make the building strong and last for generations.

**WELDABILITY** - Jindal Rebars has excellent weld ability as they as they are superior in quality having low carbon equivalent. They can be butt-welded or lap-welded using ordinary refile coated electrodes of matching strength. I manual arc welding no-prewarming or post-welding treatment is necessary.

**BENDABILITY** - The tough outer surface and soft core of Jindal Rebars results in rebars with excellent bendability. These Rebars can be bent easily which results in a lot of advantages during construction.

**STRENGTH** - Yield strength ranging from 585 to 640 N/mm<sup>2</sup>.

**ELONGATION** - Jindal Rebars will have elongation from 10 to 15% depending on final yield strength.

**SPECIFICATION** - As per BIS 1786 standards. Ensures safe construction, can withstand fire hazards, Seismic turbulence etc.

**QUALITY** - Jindal Rebars are produced in Fe500, Fe500D, Fe550, Fe600 as per ISI 1786 grade, Carbon, Sulphur and phosphorus are maintained at much lower levels for gitting excellent ductility, bendability, corrosion resistance and weldability.

### CHEMICAL COMPOSITION

Constituent	Unit	IS 1786:2008 Fe-550	JINDAL Fe-550
		(MAX)	(MAX)
Carbon ©	%	0.30	0.25
Sulphur (S)	%	0.055	0.050
Phosphorous (P)	%	0.050	0.050
Sulphur+Phosphorous (S+P)	%	0.100	0.100

### MECHANICAL PROPERTIES

Constituent	Unit	IS 1786:2008 Fe-550	JINDAL Fe-550
		(MIN)	(MIN)
Yield Stress (YS)	N/mm <sup>2</sup>	550	550
Ultimates Tensile (UTS)	N/mm <sup>2</sup>	585	640
UTS/YS	Ratio	1.10	1.20
Elongation	%	10	16
Total Elongation	%	NA	NA
Proof Stress	%	550 N/mm	580 N/mm
Bend Test	%	Satisfactory	Satisfactory

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