

**A STRONGER FOUNDATION
FOR A STRONGER TOMORROW**



 **Jai Raj Steel**[®]
Fe 550 TMT Bars
STRENGTH YOU CAN TRUST

Authorised Distributor:

HIRAWAT STEEL PVT. LTD.

UNMATCHED SINCE "31" YEARS, TRUSTED FOREVER
Balkampet, Hyderabad. T: 040-23703988/23702528

Email: hirawatsteel.p.ltd@gmail.com



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Fe 550 TMT Bars

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Mechanical properties of TMT bar as per IS: 1786 - 2008

Grade	Fe 415	Fe 500	Fe 550	JAIRAJ Fe 550
Yield stress (n/sq.mm)	>415	>500	>550	>550
Tensile strength (n/sq.mm)	>485	>545	>585	>640
Elongation %	>14.5%	>12%	>10%	>16%

Chemical properties of TMT bar as per IS: 1786- 2008

Grade	Fe 415	Fe 500	Fe 550	JAIRAJ Fe 550
Carbon %	<0.30%	<0.30%	<0.30%	<0.25%
Sulphur %	<0.060%	<0.055%	<0.055%	<0.050%
Phosphorus %	<0.060%	<0.055%	<0.050%	<0.050%
Sulphur & phosphorus %	<0.11%	<0.105%	<0.10%	<0.10%
Manganese %	0.5% to 1.0%	0.5% to 1.0%	0.5% to 1.0%	0.5% to 1.0%
CE %	<0.42%	<0.42%	<0.42%	<0.40%

Saving in weight and cost of construction by JAIRAJ Fe 550 TMTBars

Grade	TMT Fe 415	TMT Fe 500	JAIRAJ TMT Fe 550
Design strength	415 N/mm ²	500 N/mm ²	550 N/mm ²
Quantity required	1.000MT	0.854 MT	0.809 MT
% of saving in weight		14.6%	19.15%