

BENEFITS OF RADHA TMT Fe550 STEEL BARS

SAVE ON
OVERALL STEEL
CONSUMPTION,
DUE TO HIGHER
STRENGTH &
LOAD BEARING
CAPABILITIES

HIGHER TENSILE
STRENGTH
MAKES IT IDEAL
FOR COASTAL,
MARINE, BRIDGES,
TUNNELS, HIGH-RISE,
RCC STRUCTURES

SAVE ON
MATERIAL
HANDLING COST

REDUCTION
IN TIME OF
CONSTRUCTION

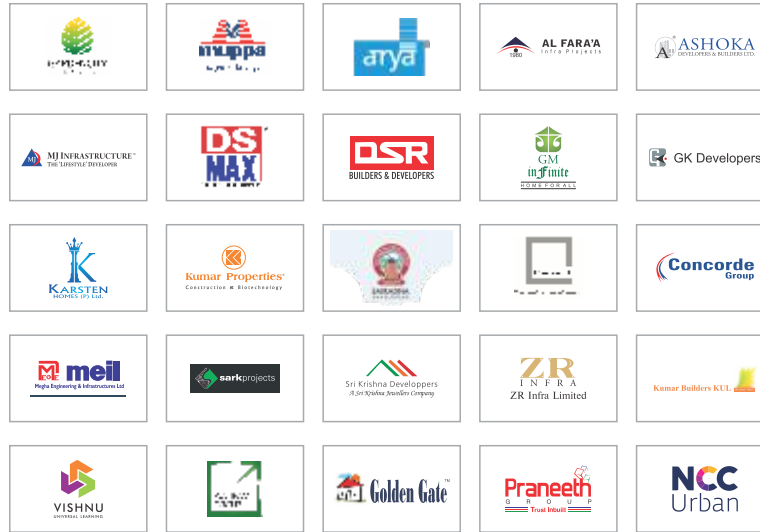
SAVE ON
TRANSPORTATION
COST

SAVE ON
STORAGE SPACE
AND EASIER
HANDLING

SLIMMER
PILLARS
RESULTING IN
LARGER
CARPET AREA

PRESTIGIOUS CLIENTS

This is a partial list of our esteemed clients who are happy with the performance of Radha Smelters Private Limited.



Approved by:



... and many more



RADHA TMT 550 STEEL BARS

RADHA SMELTERS PRIVATE LIMITED
Corporate Office: 8-2-269/S, Plot No.75 & 76,
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Road No. 2, Hyderabad - 500 034., Telangana INDIA.
Website: www.radhatmt.com

Dealer Name

MAHA SHAKTISHALI



RADHA TMT 550 STEEL BARS



PRIMARY
STEEL
PRODUCT

BENEFITS OF RADHA 550 OVER Fe-500 & Fe-415 TMT BARS

Radha 550 TMT bars are much stronger necessitating lesser usage of steel thereby saving on costs.

Mechanical Properties of TMT Bar as per IS:1786-2008

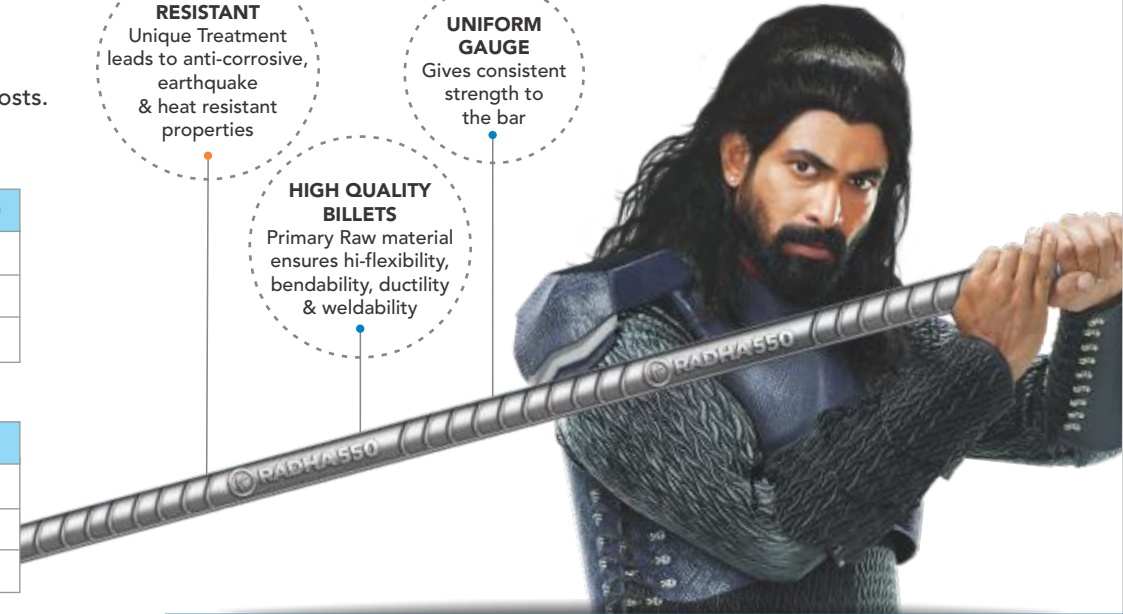
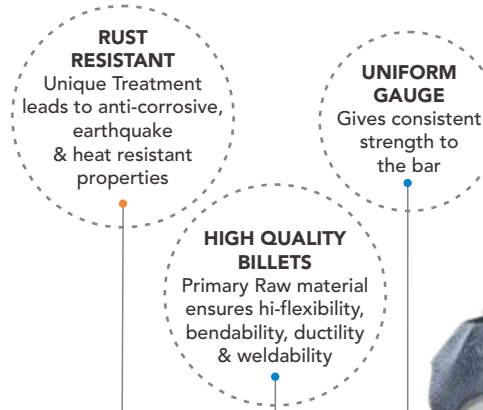
Grade	Fe-415	Fe-500	Fe-550	RADHA Fe-550
Yield Stress (N/mm ²)	>415	>500	>550	>570
Tensile Strength (N/mm ²)	>485	>545	>585	>640
Elongation %		>12 %	>10 %	>16 %

Saving in weight and cost of construction by RADHA TMT Fe-550 Bars

Grade	TMT Fe-415	TMT Fe-500	RADHA TMT Fe-550
Design Strength	415 N/mm ²	500 N/mm ²	550 N/mm ²
Quantity Required	1.000 mt	0.854 mt	0.754 mt
% of saving in weight		upto 14.60%	upto 24.60%

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

Grade	Fe-415	Fe-500	Fe-550	RADHA 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 %	<0.110%	<0.105%	<0.100%	<0.100%
Carbon Equivalent %	<0.42%	<0.42%	<0.42%	<0.40%



GERMAN THERMEX TECHNOLOGY QUALITY PAR EXCELLENCE

- Superior quality TMT bars with the revolutionary THERMEX technology used globally
- Ultimate choice of both small & large projects, Independent home buyers, Architects, Structural engineers and Builders
- Same manufacturing process being employed by the Durgapur and Bhilai steel plants of SAIL

PRECISE RIBS FOR BETTER BONDING

- Rolling mill equipped with automatic Sparkonix CNC machine for even spaced and precise depth rib cutting
- Anchorage between steel and concrete is stronger due to uniformity and precision of ribs
- Uniform load distribution makes the structure stronger

STRINGENT TESTING & QUALITY CONTROL

- Physical properties of Radha 550 TMT steel bar is tested in the Universal Testing Machine to ensure consistent quality
- Chemical composition of the raw material (MS Billets) scrutinized by the Spectrometer before rolling of TMT
- Strict quality check at every stage of manufacturing process through both predefined and random sampling

