



*JINDAL*   
**PANTHER™**  
**TMT REBARS**

## **JINDAL PANTHER™ TMT REBARS ARE SUPERIOR TO ANY OTHER TMT**

excellent bonding  
with cement

greater resistance  
to corrosion & fire

excellent  
bendability

high strength  
& ductility

superior  
weldability

more resistant  
to earthquakes

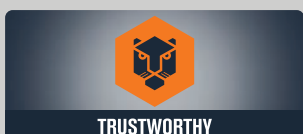
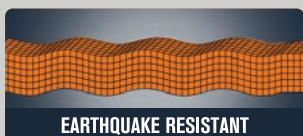
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**JINDAL STEEL & POWER**



# A buyer's guide to choose superior TMT



JINDAL PANTHER™	YOU GET	OTHERS (Secondary)	YOU GET
Uses virgin iron ore and deploys state-of-the-art steelmaking and refining process	Highly clean & homogenous steel quality ✓	Use scrap or ingots for steel melting without any secondary refining process	Uncertain chemical and mechanical properties due to inclusion of tramp elements
Steel is made using BF+ DRI → EAF → LRF → Concast route	A highly controlled steel chemistry with very low levels of sulphur & phosphorous ✓	Follow the melting process of secondary steel through induction furnace route leading to no control over chemistry	Variations in chemical composition leading to structural instability
Rebars are manufactured using High Yield Quenching and Self Tempering (HYQST) Technology perfected by Siemens of USA	High strength and ductility due to fine grain multi phased composite structure ✓	Use outdated rolling process & technology	Non-uniform grain size and inconsistent steel quality
Provides precise and uniform parallel rib pattern engraved through computer controlled notch making machines	Excellent bond strength with concrete ✓	Use conventional machines for engraving ribs	'X' rib/non-uniform pattern which has low fatigue life and reduces bond strength with concrete
Meets UTS/YS (ultimate tensile strength to yield strength) ratio and high percentage elongation	Superior earthquake resistant qualities due to high capability of absorbing energy ✓	Use old technology leading to high variation in elongation	Much lower resistance to cyclic loading which is not recommended for the seismic zones
Surpasses minimum specified level of Bureau of Indian Standard (BIS)	More value for money ✓	Barely qualifies the minimum requirements of BIS	Less value for money
Has predefined and transparent pricing	Fixed and uniform rates evidenced through a well displayed price list at our dealers' shops ✓	Cost are linked to raw material movement like scrap & ingot	Daily fluctuations in rates
Is a National Brand	World class quality ✓	Are local/regional brands	Average quality

