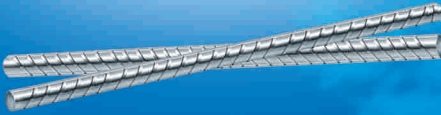




Panchakanya STEEL



REINFORCING THE NATION



1st steel industry in the country to be bestowed the prestigious
NS mark and NS quality award
certified by Nepal Bureau of Standard in 1999

1st company in Nepal
to introduce TMT Technology (2002)

1st company in Nepal
honored by BS EN ISO 9001:2000 & BS EN ISO 9001:2008
Quality Management System Standards by Lloyd's Register Quality Assurance Limited, United Kingdom

1st ISO 14001:2004
on Environment Management System
by Det Norske Veritas Certification B.V., Netherlands

PANCHAKANYA TMT



www.panchakanya.com

Why Panchakanya TMT ?

Premium Quality: Our TMT bars are manufactured from prime billets imported from the best manufactures in the world.

Earthquake Resistance: Panchakanya TMT bars have high fatigue resistance to Dynamic/ Seismic loads due to its higher ductility. This makes them most suitable for use in earthquake prone areas.

Better Safety of Structures: Because of higher Strength combined with higher Ductility.

Resists Fire: Unlike Tor steel/ CTD reinforcement bars, Panchakanya TMT bars have high thermal stability.

Resists Corrosion: The Panchakanya TMT process gives the bar superior strength and anti-corrosive properties.

Formability: Due to very high elongation values and consistent properties throughout the length of the bar, Panchakanya TMT bars have excellent workability and bendability.

COMPARISION CHART

Panchakanya TMT Grade Fe-500/Fe-500D vs. TOR Steel & CTD Grade Fe-415

Parameters	CTD/TOR Fe-415	Panchakanya TMT Fe-500/Fe-500D
Yield stress N/mm ²	415 min.	510-570*
Tensile strength N/mm ²	485 min.	590-650*
Elongation %	14.5 min.	16-25*
Corosion	Rust easily & quickly	High corosion resistance
Weldability	Poor	Excellent
Use in high temperature	-	Safer
Use in earthquake areas	-	Preferred
Consistency	High variation	Minimal variation
Bend properties	-	Superior
Saving in steel used	-	Minimum 10%

*in maximum cases

What we offer ?

- Best competitive price
- Quality focused material
- Specific cutting length to adhere to custom requirements hence cost saving and less wastage
- Customized factory production schedule ensuring completion of project within the deadline
- Support staff to help ensure smooth operations

