

**Stuck in something
that doesn't suit
your needs?**



**Presenting
7 Star made-to-order TMT Saria**

Say goodbye to material wastage,
weightment while buying and delays in delivery.

Say hello to 7 Star TMT sarias that are designed to
perfectly suit your needs.

7 Star not only provides TMT sarias of any length up to 23 meters,
but also offers a comprehensive package that includes rates per piece
as well as just-in-time delivery.

Choose 7 Star TMT sarias. They fit your needs beautifully.

Tailor-made for you



Made-to-order

TMT sarias of any length up to 23 mtrs



Available on a per-piece basis

Easy to count. Prevents theft in transit.



Just-in-time delivery

On-site delivery that suits your construction schedule

Bringing the best manufacturing practices to the table

- Authorized by Centre De Recherches Metallurgiques (CRM), Belgium to use their prestigious TEMPCORE process
- Technical assistance from HEEP&P (Human Engineering for Environmental Products and Production), Germany
- Certified by Bureau of Indian Standards (BIS) to manufacture Steel Re-bars as per IS: 1786/1985
- Other global quality certifications like ISO 9001

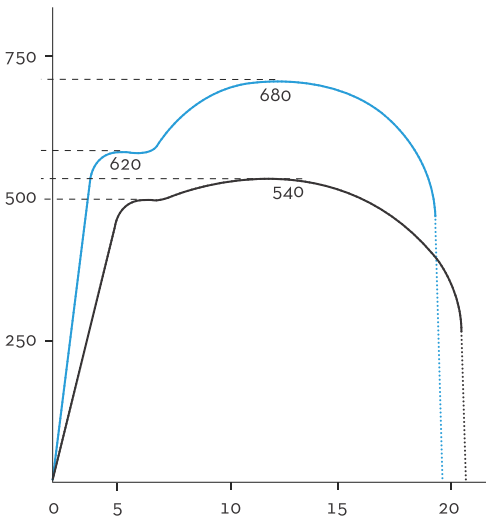
Superior material that provides superior strength

Mechanical properties of 7 Star Steel Re-bars

Grade	7 Star 600	Fe-600 as per IS: 1786
Yield Stress/ Proof Stress Min. (N/sq mm)	620	600
Tensile Strength Min. (N/ sq mm)	680	660
Elongation Min.	12%	10%

Chemical composition of 7 Star Steel Re-bars

Grade	7 Star 600	Fe-600 as per IS: 1786
Carbon (Max)	0.3%	0.3%
Sulphur (Max)	0.040%	0.040%
Phosphorus (Max)	0.040%	0.040%
Sulphur + Phosphorus (Max)	0.075%	0.075%



Comparative Proof Stress Graph

The simple formula to calculate the area of steel in tension of a single reinforcement beam is as follows:

$$A_{st} = \frac{0.85 \times M \times D}{F_y}$$

where,

A_{st} = Area of steel in use

M = Moment in tension

D = Depth of section

F_y = Proof Stress of steel in use

In case of Fe-500 and Fe-600 TMT re-bar material, the value of F_y would be 500 N/mm² and 620 N/mm² respectively.

The above clearly indicates that higher the value of Proof Stress of steel in use, the lower will be the consumption of steel.

— Ordinary Fe-500 Grade TMT bar

— 7 Star Fe-600 TMT bar

