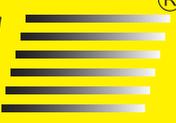
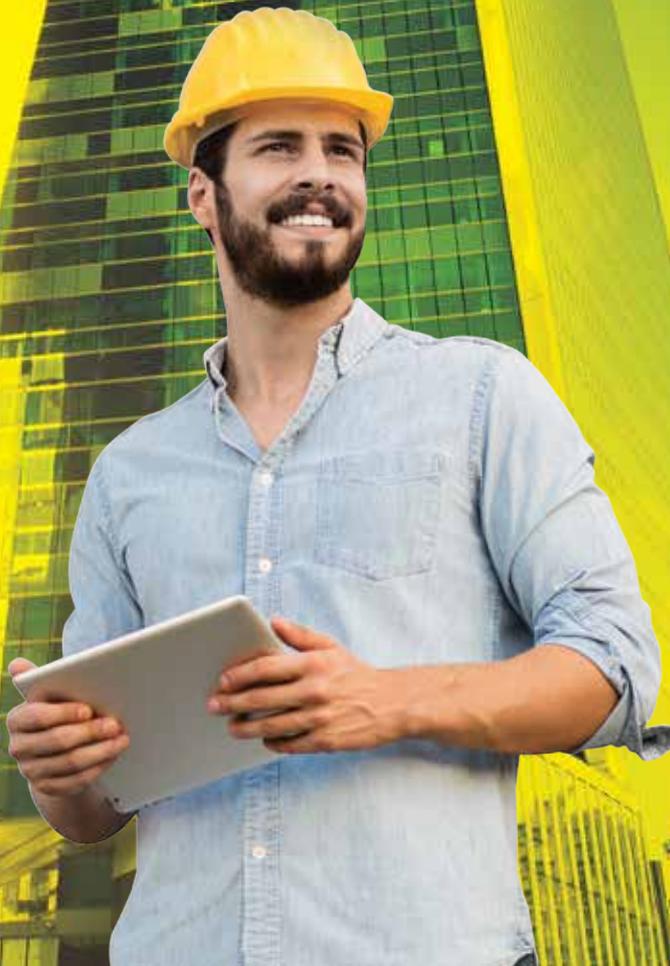


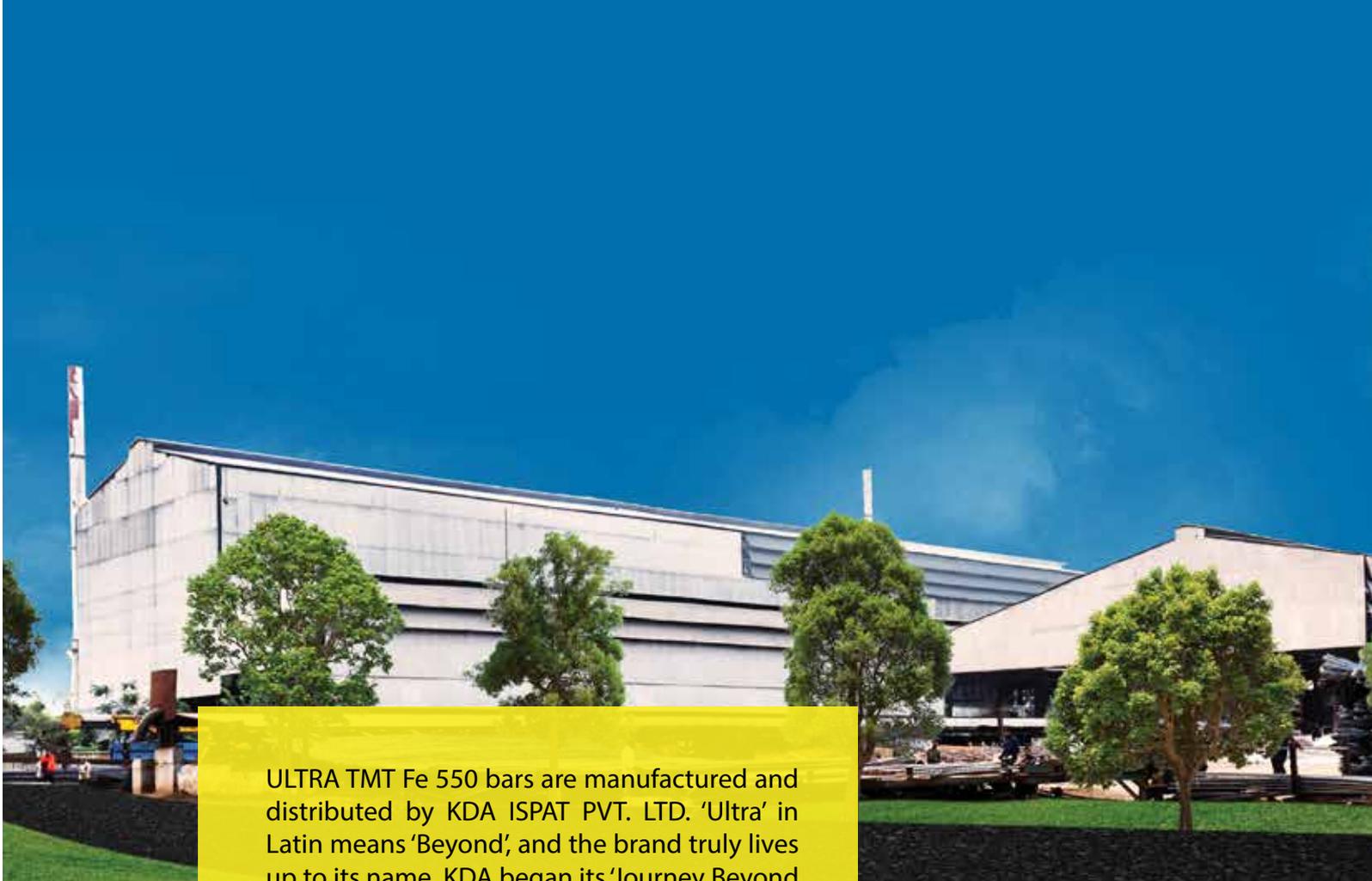


**ULTRA** <sup>®</sup>  
**TMT**   
*Ek Atoot Bandhan*

[www.ultratmt.com](http://www.ultratmt.com)

ULTRA PURE ORE  
USED FOR  
ULTIMATE  
STRENGTH!





ULTRA TMT Fe 550 bars are manufactured and distributed by KDA ISPAT PVT. LTD. 'Ultra' in Latin means 'Beyond', and the brand truly lives up to its name. KDA began its 'Journey Beyond Excellence' in 1997 and expanded its operations to include a state-of-the-art manufacturing facility, producing ULTRA TMT bars of the highest standards.

ULTRA TMT is all about Teamwork  
ULTRA TMT believes in TEAMWORK, progressing together towards a common goal - to meet and exceed customer expectations. Working with speed, accuracy, and efficiency and adapting to technological trends, the company comes up with new and improved products that stand out in the competition and redefine the standards.

## VISION

To be an integral part of Nation building and an inspiration for development

To be the catalyst in modern era architecture and engineering

## MISSION

To be the most preferred brand in terms of quality and pricing, To grow and prosper together with our Dealer fraternity

To emerge as a market leader in South India



## ULTRA TMT BARS

# SETTING THE BAR HIGH

ULTRA TMT Fe 550 is unmatched in terms of strength and flexibility. Manufactured using German TURBO TMT Quenching and Tempering Process, ULTRA TMT Fe 550 bars have a soft-hard (ferrite-pearlite) core, and an outer hard martensitic structure giving them enormous strength to withstand huge load and stress. They have superior BENDABILITY and WELDABILITY making structures stronger and resistant to EARTHQUAKES. What's more, they are FIRE-RESISTANT and CORROSION-RESISTANT too, making them the ultimate choice for Engineers and Builders.

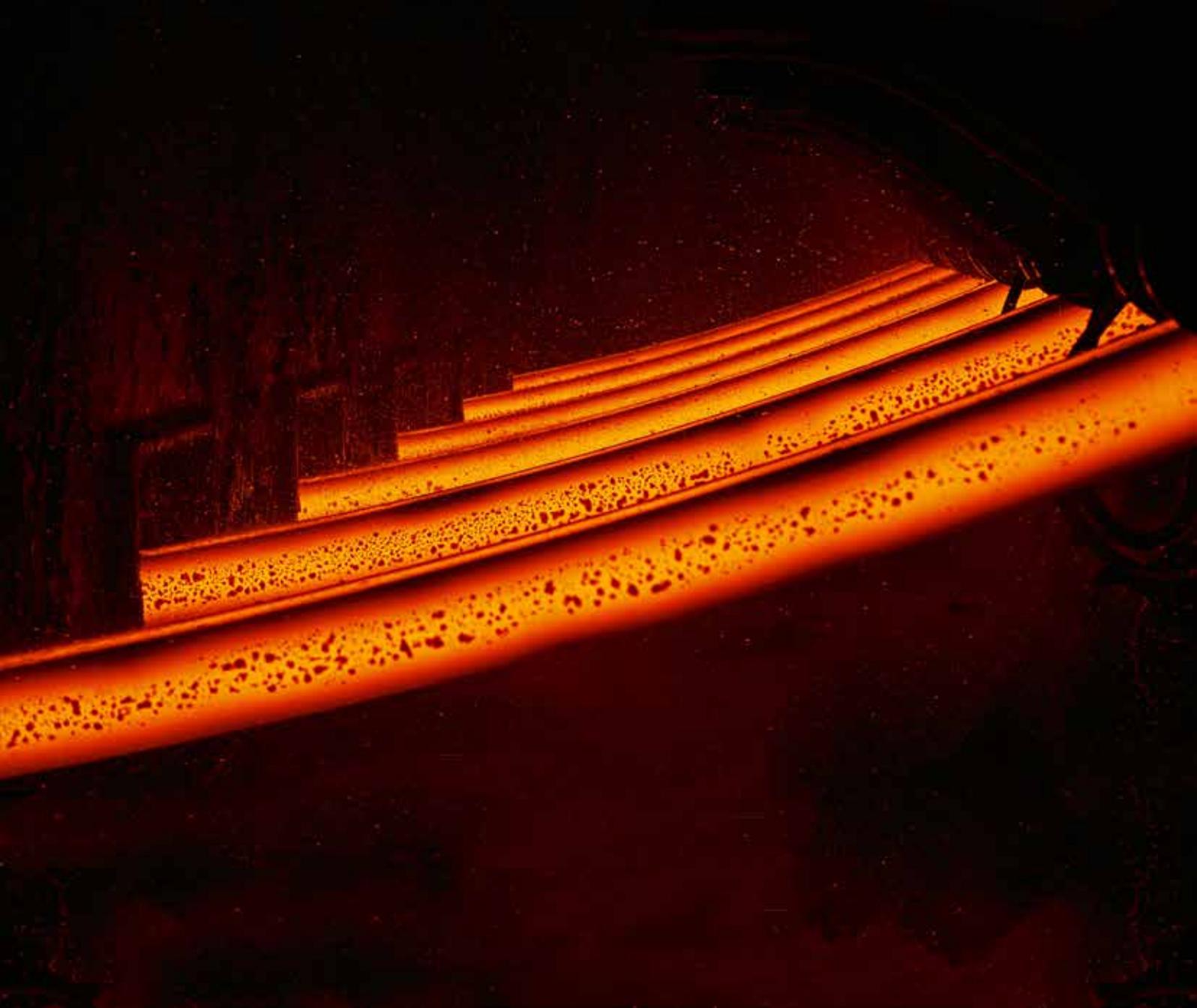
## German TURBO TMT Technology

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- **A PROVEN BRAND** since 1997 in both Project and Retail Market.
- Ultra TMT supplies with **Material Test Certificate**, tested in our state of the art Laboratory.
- Ultra TMT provide **Premium Quality at affordable Price**.
- Ultra TMT offer **“Test Then Trust”** policy.
- Ultra TMT provide **Quantity with Quality**.
- Ultra TMT provide all sizes 8, 10, 12, 16, 20, 25, 28, and 32 mm in ready stock **(IS 1786-2008)**
- Ultra TMT provide Customize length, on customers demand for wastage control.
- Also supplies MS Square, MS Flat and MS Rounds Bars **(IS 2062 Grade A)**
- Ultra TMT Provide structures safety through **Optimum Strength & Greater Elongation**
- Precise weight and gauge control system provide cost effectiveness in Ultra TMT.
- Uniform Weight and Shape throughout the length from Standard to Minimum according to BIS.
- Fire resistant, with the ability to withstand high Temperatures
- Better bonding strength external ribs across the entire length ensure superior bonding with concrete.
- High fatigue resistance and more Tensile Strength due to **perfect Martensitic structure** formation
- **Earthquake resistant:** Flexibility & Elongation due to perfect ring of soft- hard core (ferrite- pearlite core) in Ultra TMT.
- Weldability in Ultra TMT come from perfect operation temperature, C & low alloy element.
- Fine **Grain Structure & Uniform** chemical composition due to standard Metallurgical process applies in ladle refining.
- **Bendability** because of **Higher percentage of Elongation**

# ULTRA TMT FE 550 THE ULTIMATE CHOICE

A PROVEN BRAND which has been there in the market and projects since 1997. We are a (Quality & Quantity) company. All supplies are covered with MTC (Material Test Certificate)



MANUFACTURED, USING

# GERMAN TURBO TMT TECHNOLOGY

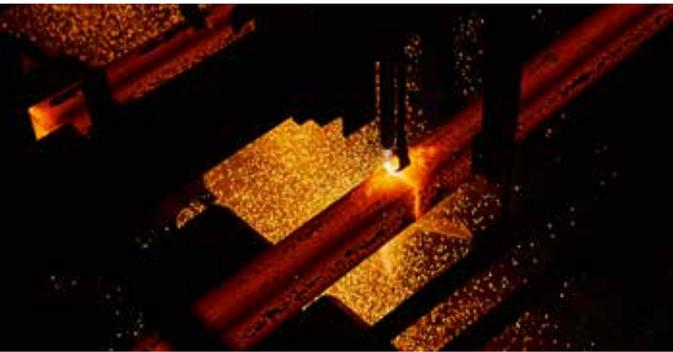
The manufacturing process involves three crucial steps:



## STEP ONE

Selection of Raw Materials:

Select the best Sponge Iron of virgin iron ore through Stringent Quality Process. Ladle Refining Process give us perfect chemical composition in Billet Production at CCM



## STEP TWO

Rolling of Billets:

Latest technology – On Line billets charging (HOT Billet), rolled in our state-of-the-art mills provide Smooth Surface Finishing in Ultra TMT Fe 550 grade.

Time to time upgrades Rolling Technology for Quality improvement.



## STEP THREE

German TURBO TMT Quenching and Tempering Process provide Perfect soft-hard core (ferrite-pearlite core) in Ultra TMT Fe 550 bars thus DUCTILITY, ELONGATION & FLEXIBILITY have increased.

REVERSE OSMOSIS Water and Advanced Technology of Rapid Quenching Process develops CORROSION-RESISTANCE in Ultra TMT Fe 550 bars

## Properties of ULTRA TMT Bars

	Yield (Min. Mpa)		UTS (Min. Mpa)		Elongation (Min %)	
	BIS	ULTRA TMT	BIS	ULTRA TMT	BIS	ULTRA TMT
Fe 500	500	525	545	600	12.0	18
Fe 550	550	575	585	650	10.0	15

## Weight of ULTRA TMT Fe 550 Bars

Size (mm)	Specific (as per BIS)	ULTRA TMT Fe 550 Range
	Kg/mtr.	Tolerance (Kg/mtr.) (Min) (Max)
8	0.395	0.367 to 0.423
10	0.617	0.574 to 0.659
12	0.888	0.844 to 0.932
16	1.579	1.500 to 1.658
20	2.467	2.400 to 2.541
25	3.856	3.740 to 3.971
28	4.837	4.692 to 4.982
32	6.310	6.120 to 6.499

Superior Results: Greater Strength, Ductility, Bendability and Weldability

## Wide Range

Size: ULTRA TMT is available in the range of 8, 10, 12, 16, 20, 25, 28, and 32 mm

Fixed Length: 12 meters/special lengths can be supplied as per customer's specification

Grades: Fe 500, and Fe 550

## Chemical Properties of ULTRA TMT Fe 550 Bars

Chemistry	IS: 1786 % max	ULTRA TMT Bars Fe 550 % max
Carbon	0.30	0.25
Sulphur	0.055	0.050
Phosphorus	0.050	0.050
S&P	0.100	0.100
Carbon (CE) equivalent	0.42	0.35

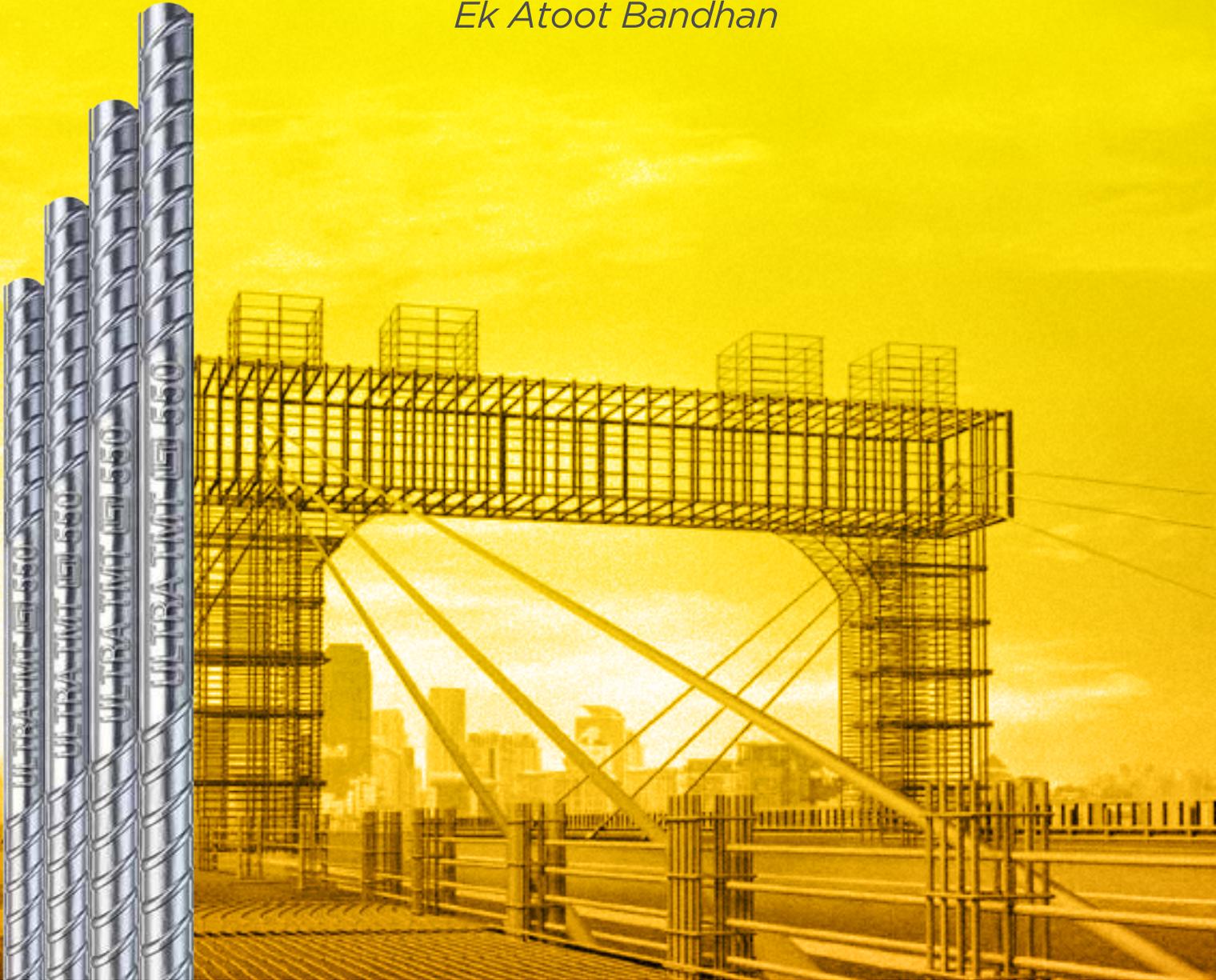
Carbon levels are restricted to certain values that result in excellent flexibility, weldability, and bendability.





# ULTRA<sup>®</sup> TMT

*Ek Atoot Bandhan*



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