

**DON'T BUY
TMT BARS BLINDLY.
KNOW THE TRUTH!**



ARS CRS 550D

ARS
CRS 550D

ARS
550D
TMT BARS

KEY BENEFITS OF ARS TMT:



- ▶ **Consistent production of 100% D quality TMT Rebars** - We are pioneers in production of 100% “D” quality (Pure Steel), ensuring superior ductility with low Sulphur (<0.040%) and low Phosphorus(<0.040%), and a combined Sulphur & Phosphorus content of less than 0.075%
- ▶ **Corrosion Resistance Steel** - We also produce Corrosion Resistance Steel by adding Copper & Chrome & maintaining Nickel & molybdenum perfect for construction areas with poor ground water quality including TDS levels exceeding 400ppm
- ▶ **Performance enhancement** - Performance enhancement by 20-50% as per Structural Engineering Research Centre (SERC), Govt of India Laboratory report
- ▶ **World’s No.1 SGS on site testing** - On site batch-wise real-time physical and chemical properties testing and certification of green TMT rebars by World’s No.1 SGS
- ▶ **Mobile Tech Vans** - We provide Rebar testing at customer’s site (free of cost) through our Tech Van, equipped with a German make spectrometer capable of analysing 32 elements.
- ▶ **100% data backed quality reports** - All tests are available on our cloud based digital platform providing complete transparency to customer.
- ▶ **NABL certified lab** - Molten steel quality is tested via NABL credited lab to do real time optimisation
- ▶ **QR Code** - QR code will be generated for every customer order containing physical properties, chemical properties & digital Co2 emissions certificate at a heat level for every batch.
- ▶ **Size availability** - We manufacture all sizes from 8mm,10mm,12mm,16mm, 20mm,25mm and 32mm for Fe 550D & Fe 550D CRS.

ARS Fe550D

CHEMICAL PROPERTIES - ARS Fe 550D			
Properties	Units	BIS 1786-2008	ARS Fe 550D
Carbon	%	0.25 Max	0.23 Max
Phosphorus	%	0.04 Max	0.035 Max
Sulphur	%	0.04 Max	0.035 Max
P + S	%	0.075 Max	0.070 Max
*CE	%	0.42 Min	0.35 Min

ARS Fe550D

PHYSICAL PROPERTIES - ARS Fe 550D			
Properties	Units	BIS 1786-2008	ARS Fe 550D
Yield Strength	N/mm ²	550 Min	560 Min
Tensile Strength	N/mm ²	600 Min	630 Min
TS/YS	Ratio	1.08 Min	1.10 Min
Elongation	%	14.5 Min	16 Min 22 Max

Note: ARS Fe 550D rebars are manufactured in compliance with IS 1786 and are supplied to meet IS 13920 requirements for ductile detailing in seismic-resistant structures, with compliance ensured through the following:

1. TS/YS ratio ≥ 1.15 and up to 1.25 for seismic applications.
2. Actual yield strength (0.2% proof stress) does not exceed 660 MPa, in line with IS 13920 Clause 5.3.2

OUR VISION

ARS Steels to become the most trusted and reliable brand, committed to sustainability, carbon neutrality, and enduring stakeholders' delight.

ABOUT ARS STEELS

- ▶ ARS Steels, founded in 1992, is a leading Steel manufacturer with a production facility located in Chennai, Tamil Nadu.
- ▶ Our experience spans over 46 years in steel industry particularly in procurement of premium recycled steel, including 33 years in billet manufacturing and nearly 22 years in producing Steel Rebars.
- ▶ The current installed capacity is 3,00,000 tons for mild steel billets and 2,76,000 tons for TMT Rebars.
- ▶ ARS Steels is certified with ISO 9001 and ISO 14001 for our state of the art production facility.
- ▶ Our future plan is to increase TMT rebar production to 0.4 million tons per annum by Jan - 2027.



| TRULY GREEN STEEL

- ▶ We use over 98% premium quality recycled steel such as CRC sheets, CRC Bundles and HMS which inherently have lower embedded carbon and deliver clean consistent quality.
- ▶ At present, we are consuming around 28% of our total electricity consumption from captive renewable power projects.
- ▶ We have published our International EPD in 2025, and our verified carbon emissions stand at 592 kg CO₂ per ton of steel — which is 4x lower than the Indian average of 2,550 kg CO₂ and 3x lower than the global average of 1,850 kg CO₂.
- ▶ With the international Environmental Product Declaration (EPD) available, our steel rebars can, by default, be used for LEED-certified projects.
- ▶ ARS Steels is No.1 manufacturer In the country to receive the Green Steel Certificate from the Ministry of Steel, Govt of India.
- ▶ ARS Steels TMT rebars are rated 5-Star under the Green Steel Taxonomy Framework, achieving a greenness of 70.8%.
- ▶ ARS Steels is the only steel rebar manufacturer in India listed on the GRIHA Product Catalogue and certified with Eco Label by GreenPro.



KNOW THE QUALITY OF YOUR TMT REBAR WITH ARS MOBILE TESTING SERVICES

☎ For Green Steel Queries:
88700 27125

ARS CRS 550D

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ARS
GREEN STEEL

Customer Help Line: ☎ **97104 1111**
🌐 **arsgroup.in**

