

CALL THE ARS STEEL PATROL

Need to check the quality of your TMT steel?

Just call us at 97104 11111, and our Steel Patrol will come to your location quickly. Our mobile van is equipped with a Spectro-port machine, a cutting-edge digital tool that uses plasma technology to test and show the steel's quality on the spot, ensuring fast and accurate results.

- » Free TDS testing at your site.
- » Chemical analysis – evaluates the chemical properties of steel, records the values of 32 elements, including copper, nickel, chromium, and molybdenum.
- » 1st in India, to have CRS in 550D with same elongation and bendability as 550D.



Tested and certified by IIT Madras



ARS Steels & Alloy International Pvt. Ltd.,
D-109, 2nd & 4th Floor, LBR Complex,
Anna Nagar East, Chennai - 600 102.
visit us : arsgroup.in

Customer Help line:
97104 11111.

STEEL THAT TRULY FIGHTS CORROSION



ARS

CRS 550D

CRS - CORROSION RESISTANT STEEL

Ideal for managing high TDS across regions.
Up to 50% extra safe & durable Certified by (CSIR – SERC)



Hardness in water accelerates corrosion and rust, impacting the life of conventional steel. ARS CRS 550D, manufactured using state-of-the-art technology, offers superior resistance to corrosion. It is the ideal choice for regions with high TDS in groundwater, including areas exposed to highly corrosive water conditions, ensuring enhanced durability and long-term structural safety.

What makes **CRS 550D** the best for you



**CORROSION
RESISTANCE**



**UNMATCHED
STRENGTH**



**LONGER
LIFESPAN**



**REDUCED
MAINTENANCE
COST**



**IMPROVED
SAFETY**



ECO - FRIENDLY



**TDS >
300 PPM**

For water with TDS levels exceeding 300 ppm, opt for ARS CRS 550D for enhanced corrosion resistance and long-term structural durability.

CHEMICAL PROPERTIES

Properties	Unit	BIS 1786-2008	ARS Fe 550D CRS
Carbon	%	0.25 Max	0.25 Max
Phosphorus	%	0.04 Max	0.04 Max
Sulphur	%	0.04 Max	0.04 Max
P + S	%	0.075 Max	0.070 Max
*CRE (Cu+Cr+Mo+Ni)	%	Not less than 0.4%	Not less than 0.40%

*CRE - Corrosion Resistant Equivalent

MECHANICAL PROPERTIES

Properties	Unit	BIS 1786-2008	ARS Fe 550D CRS
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

Additional Benefits:

- » Highest Corrosion Resistance
- » Superior Earthquake Resistance
- » High strength/grade
- » Highest bonding with concrete - innovative angular lugs
- » Enhanced Fire Resistance
- » Available in sizes - 8, 10, 12, 16, 20, 25 & 32 mm.