



STRENGTH That
Builds the **FUTURE**

An ISO 9001-2015 Certified Company
Certificate No: 779701

Fe550D

VELA 550D 

IS : 1786



IS : 14650



IS : 2062



CM/L. No. 0006757390 CM/L. No. 0006871893 CM/L. No. 0003360550

VELA 550D - The Builder's Pride



We VELA is an ISO-certified company leading the Southern Indian market with high quality MS Billets, TMT bars, and structural steels. Our long-standing reputation is built on BIS certified products, over two decade Industry experience, loyal client base and Commitment to total customer satisfaction.

VELA 550D High Quality TMT

VELA'S high quality Thermo Mechanically Treated (TMT) steel is next-gen steel processed through PLC-controlled, three-stage treatment of Quenching > Tempering > Cooling which forms tough exterior with a ductile inner core. The Process has been monitored by metallurgists and engineers.

OUR INFRASTRUCTURE

Includes DSP-based melting, Full Automatic Continuous casting, semi-Automatic rolling, In-house testing labs and testing units. The labs comprises German-made spectrometer & FIE Make Universal Testing Machine.



TECHNICAL ADVANTAGE

VELA 550 D

Chemical Composition

Elements	BIS Standard	VELA 550 D
Carbon (Max.)	0.25 %	0.23 %
Sulphur (Max.)	0.04 %	0.035 %
Phosphorus (Max.)	0.04 %	0.035 %
S + P (Max.)	0.075 %	0.070 %
Manganese	—	0.50–0.70%

Physical Properties

Property	BIS Standard	VELA 550 D
Yield Strength (N/mm ²)	550	570
Tensile Strength (N/ms)(Min.)	600	620
Stress Ratio (Min.)	1.08	1.12
Elongation (%) (Min.)	14.5	16

Weight Savings Chart

Size (mm)	BIS Std. (kg/mtr)	VELA 550 D (kg/mtr)	Bundle Weight (kg)	Bars/Bundle
08	0.367 - 0.422	0.370 - 0.4	45.1 - 48.8	10
10	0.547 - 0.660	0.580 - 0.616	49.5 - 52.6	7
12	0.844 - 0.932	0.850 - 0.890	51.8 - 54.3	5
16	1.500 - 1.658	1.500 - 1.580	54.9 - 57.8	3
20	2.395 - 2.544	2.400 - 2.480	58.5 - 60.5	2
25	3.735 - 3.965	3.750 - 3.870	45.8 - 47.2	1

Bend/Re-Bend Performance

Bend: 4-5 times diameter

- Re-Bend: 6-7 times diameter



WHY VELA 550D

QUALITY YOU CAN TRUST

We are certified to BIS standards IS 14650, IS 1786, IS 2062 for Product Quality and ISO 9001:2015 for world-class Quality Management. We are conducting consistent quality analysis with standardized procedures for optimal performance of the products.

ENGINEERED FOR EXCELLENCE



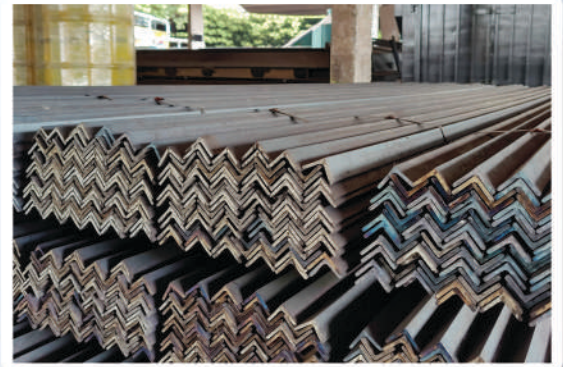
Lower Steel Consumption

With VELA 550D TMT bars, structures are designed to consume less steel, offering saving of upto 10% in steel usage.



Cost Saving

With improved strength and controlled weight VELA 550D, offers 14% cost saving compared to normal Fe 500D TMT bars.

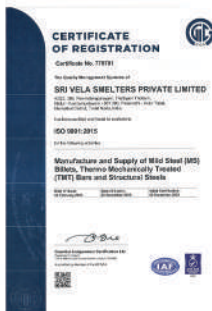


KEY FEATURES

Our advanced DSP based manufacturing process, consistent physical properties and stringent chemical composition levels ensures better Corrosion Resistance, Fire Resistance, Earthquake Resistance and Welding quality of VELA 550D.

CNC machine made Uniform Rib Pattern ensures superior bonding between the bar and the concrete, which enhances the performance and life of the buildings.

CERTIFICATE



ஒரு இந்திய தயாரிப்பு



100 %

Chemical & Physical
properties guaranteed

GET IN TOUCH

SRI VELA SMELTERS PVT. LTD.

Factory:

4/322, 388, Pommakkapalayam Thottiyam Thottam,
Nallur Kandampalayam, Paramathi Velur,
Namakkal (Dt), Tamil Nadu - 637 203.
Ph. No.: +91 98652 07007

Email: srivela@gmail.com Web: www.velasteels.com

Registered Office:

76-D, Valaraigate, Velur Road,
Tiruchengode,
Namakkal - 637 211, Tamil Nadu.

Kerala Office:

VIII/1271, Wise Park Road,
Almaram, Kanjikode,
Palakkad - 6379 621, Kerala.