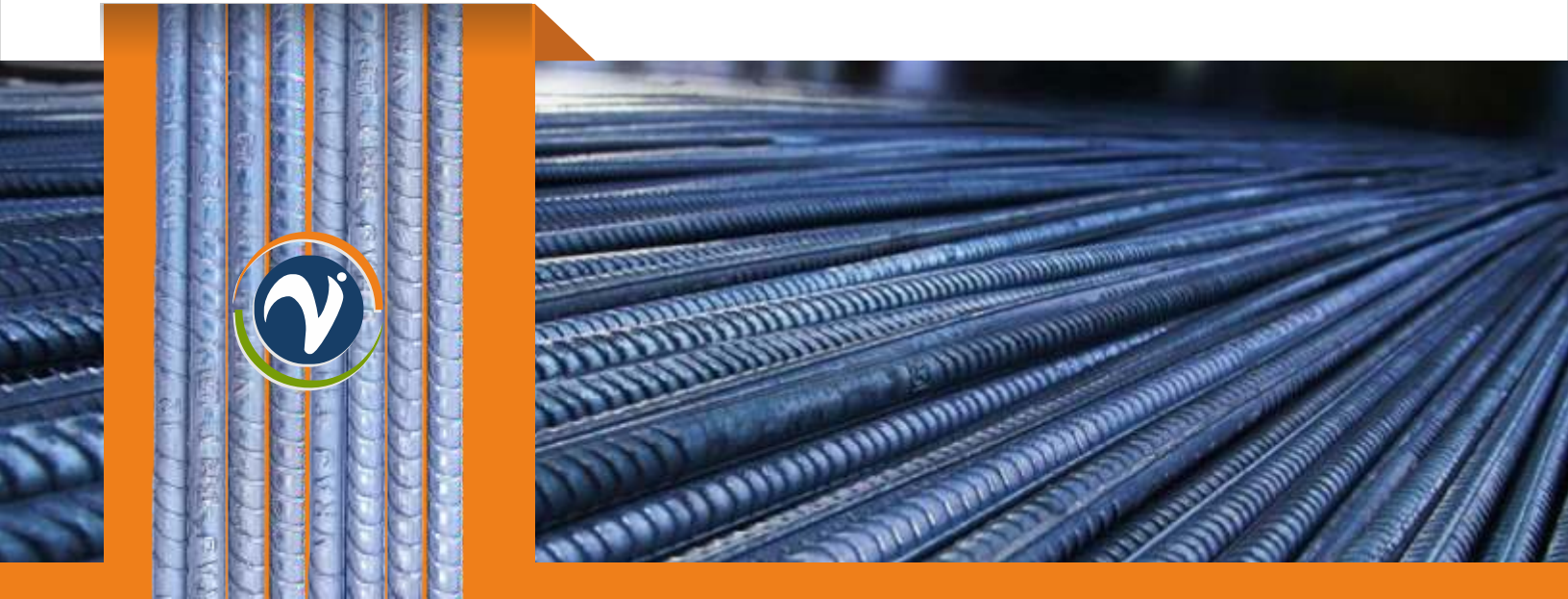




**A PRODUCT OF
VRAJ IRON AND STEEL LIMITED**



ABOUT THE COMPANY

VRAJ IRON AND STEEL Ltd is backward forward integrated steel producer from captive power generation, DRI plant making quality Sponge Iron, Steel melting shop producing Billets and Re-rolling mill converting Billets into BIS approved ISI grade Fe500, Fe500D, Fe550, Fe550D TMT Bars ranging from 8 mm to 32 mm. The plant is located in Chhattisgarh State capital Raipur in Siltara Industrial Area.

ADDING VALUE TO NATURAL RESOURCE (IRON ORE)

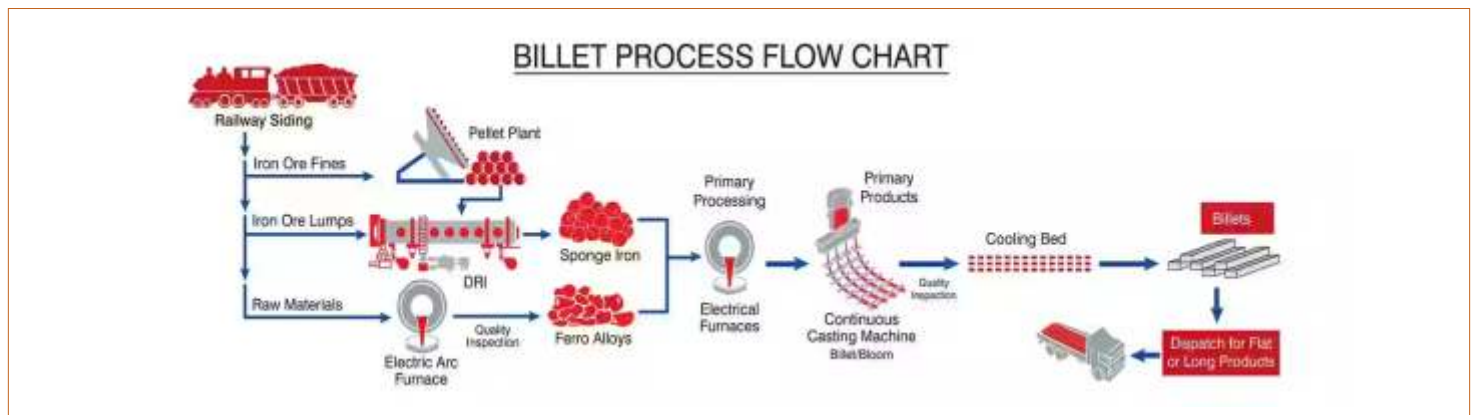
As part of 'Make In India' we are converting the MINERAL" IRON ORE" into TMT BARS through various required process also by using the waste heat we are generating power and self consuming the power for making steel from ORE TO FINISH PRODUCT.

VISION

Looking forward to strive for excellence and contribute to the Society by producing high quality products and extend best of our services to our valued clients.

MOTTO

Build Strong Foundation and Safe Future मजबूत नींव, सुरक्षित कल





PRODUCT RANGE

SL No.	Items	Size	Designation	Grades
01.	Billets / Blooms	100X100X6000-9000MM	IS 2830:2012 & IS 2831:2012	ABC
02.	TMT Rebars	8, 10, 12, 16, 20, 25, 28 & 32mm	IS 1786:2008	Fe500, Fe500D Fe550, Fe550D



IS:1786

CM/L
5900071114**CHEMICAL COMPOSITION**

Properties	Fe-500 IS:1786- 2008	VRAJ TMT Fe- 500	Fe-500D IS:1786- 2008	VRAJ TMT Fe- 500D	Fe-550 IS:1786- 2008	VRAJ TMT Fe- 550	Fe-550D IS:1786- 2008	VRAJ TMT Fe- 550D
Carbon	0.30	0.25	0.25	0.20	0.30	0.20	0.25	0.20
Sulphur	0.055	0.035	0.040	0.025	0.055	0.030	0.040	0.025
Phosphorous	0.055	0.045	0.040	0.035	0.050	0.040	0.040	0.030
Sulphur + Phosphorous	0.105	0.080	0.075	0.060	0.100	0.075	0.075	0.065
Carbon Equivalent	0.42	0.35	0.42	0.35	0.42	0.35	0.53	0.35

MECHANICAL PROPERTIES

Properties	Fe-500 IS:1786- 2008	VRAJ TMT Fe- 500	Fe-500D IS:1786- 2008	VRAJ TMT Fe- 500D	Fe-550 IS:1786- 2008	VRAJ TMT Fe- 550	Fe-550D IS:1786- 2008	VRAJ TMT Fe- 550D
Yield Stress N / mm ²	500	525	500	530	550	570	550	575
Tensile Strength N/	540	620	540	620	625	660	625	660
Elongation %	12.00	18.00+	16.00	20.00+	10.00	18.00+	14.50	18.00+
Stress Ratio UTS/YS	1.08	1.18	1.10	1.17	1.06	1.15	1.06	1.15

**NOMINAL CROSS-SECTIONAL AREA AND MASS
(REQUIREMENT OF INDIA STANDARDS)**

Nominal Size (MM)	Cross Sectional Area (MM ²)	Mass Per Meter (kg / Meter)	Tolerances	VRAJ TMT
08MM	50.3	0.395	±7	0.380-0.395
10MM	78.6	0.617	±7	0.595-0.617
12MM	113.1	0.888	±5	0.860-0.888
16MM	201.2	1.58	±5	1.540-1.580
20MM	314.3	2.47	±3	2.430-2.470
25MM	491.1	3.85	±3	3.820-3.850
28MM	616.2	4.83	±3	4.760-4.810
32MM	840.6	6.31	±3	6.290-6.310

VRAJ IRON AND STEEL LIMITED

Works: Plot No.38-41, 48-52, Phase II
Siltara Industrial Area, Raipur. Chhattisgarh.

Regd. Office: 63 & 66, Mother Teresa, W.N. 43
Jal Vihar Colony, Raipur. Chhattisgarh.

