



SALUJA GOLD

TMT BARS

An overview of our Integrated Steel Plants

Sponge Iron Plant: 1,00,000 TPA

Sponge Iron plant is the foremost wing in SALUJA STEEL & Power (P) Ltd. Here 65% to 68% of crude iron ore is processed & reduced directly at high temperature of 750°-1050°C to produce sponge iron with metallization characteristics of 85%-95% iron content.

SMS Division: Capacity 4,00,000 TPA

Billets manufacturing Unit with in house production capacity of more than 4,00,000 TPA, where obtained sponge iron along with scrap iron are treated at more than 1500°C in controlled atmosphere to produce Billets, which totally send into Rolling Division for further manufacturing process of TMT Bars.

Rolling Mill: Capacity 4,00,000 TPA

Fully automated with advanced and Modern Technology, where Billets are Hot Rolled directly to the final stage where the reliable TMT product designed and manufactured. The TMT Bars produced under brand name of SALUJA GOLD launched in the Year of 2014 with remarkable acceptance in the market of Jharkhand, Bihar, and West Bengal & North Eastern States.

SALUJA

STEEL & POWER PVT. LTD.

Office : Near JRG Bank, Bhorandiha, Tundi Road, Giridih

Works at : Mahtodih, Tundi Road, Giridih -815301

Web : www.salujagold.com

Concerns :

Saluja Steel & Power Pvt. Ltd. Unit I
(Sponge Iron & Furnace Division)

Saluja Steel & Power Pvt. Ltd. Unit II
(Re-Rolling & Concast Division)

Saluja Gold International School
(www.salujagoldschool.com)

Scholar B.Ed. College
(www.scholarbedcollege.com)

**Mazbooti
Sabkuch Hai**



**सलुजा
गोल्ड**

TMT BARS



SALUJA GOLD S6500

TO 591867

SALUJA GOLD S6500

TO 591867

SALUJA GOLD S6500

TO 591867

**UNIQUE
DOUBLE
GRIP**



IS: 1786
CM/L - 5801867
TC-10802

1800 313 7800
www.salujagold.com

Integrated Steel Plant
An ISO 9001-2008 Certified Companies

मज़बूती सबकुछ है

Comparison		Chemical Specification							
Grade	Fe 500		Fe 550		Fe 500 D		Fe 600		
Parameters	IS:1786	Saluja Gold	IS:1786	Saluja Gold	IS:1786	Saluja Gold	IS:1786	Saluja Gold	
Carbon (Max.)	0.30	0.28	0.30	0.28	0.25	0.25	0.30	0.30	
Sulphur (Max.)	0.055	0.055	0.055	0.055	0.040	0.040	0.040	0.040	
Phosphorus (Max.)	0.055	0.055	0.055	0.055	0.040	0.040	0.040	0.040	
S + P (Max.)	0.105	0.105	0.100	0.100	0.075	0.075	0.075	0.075	
CE (%)	-	-	-	-	0.61	0.55	-	-	

Comparison		Mechanical Specification							
Grade	Fe 500		Fe 550		Fe 550 D		Fe 600		
Parameters	IS:1786	Saluja Gold	IS:1786	Saluja Gold	IS:1786	Saluja Gold	IS:1786	Saluja Gold	
Yield Stress - N/mm ² (Min.)	500	520	550	570	550	570	600	630	
Tensile Strength - N/mm ² (Min.)	545	610	585	640	600	640	660	690	
Elongation % (Min.)	12	15	10	14	14.5	15	10	14	
TS / YS Ratio	≥ 1.08	1.17	≥ 1.06	1.12	≥ 1.08	1.12	≥ 1.06	1.09	
Total Elongation at Maximum force & Minimum on gauge length	-	-	-	-	5	6	-	-	

Mandral Size		Bend / Reband (Φ is the nominal size of the test piece, in mm) Specification							
Grade	Fe 500		Fe 550		Fe 550 D		Fe 600		
Parameters	IS:1786	Saluja Gold	IS:1786	Saluja Gold	IS:1786	Saluja Gold	IS:1786	Saluja Gold	
Bend (Up to & incl. 20mm)	4 Φ	4 Φ	5 Φ	5 Φ	4 Φ	4 Φ	5 Φ	5 Φ	
Bend (Over 20mm)	5 Φ	5 Φ	6 Φ	6 Φ	5 Φ	5 Φ	6 Φ	6 Φ	
Reband (Up to & incl. 10mm)	5 Φ	5 Φ	7 Φ	7 Φ	6 Φ	6 Φ	7 Φ	7 Φ	
Reband (Over 10mm)	7 Φ	7 Φ	9 Φ	9 Φ	7 Φ	7 Φ	9 Φ	9 Φ	

Comparison		Sectional Weight / Meter Tolerances on Nominal Mass					
Size (Dia in mm)	Tolerance Limit in Kg / mtr (Min. - Max.)		Tolerance Range		Weight Variation Gram / mm		
	IS : 1786	Saluja Gold	IS : 1786	Saluja Gold	IS : 1786	Saluja Gold	
08	0.367-0.423	0.367-0.410	± 7	-7 / +4	56	43	
10	0.574-0.660	0.574-0.635	± 7	-7 / +3	86	61	
12	0.844-0.932	0.844-0.905	± 5	-5 / +2	88	61	
16	1.501-1.659	1.501-1.610	± 5	-5 / +2	158	109	
20	2.396-2.544	2.396-2.507	± 3	-3 / +1.5	148	111	
25	3.735-3.965	3.735-3.907	± 3	-3 / +1.5	230	172	
28	4.685-4.974	4.685-4.902	± 3	-3 / +1.5	289	217	
32	6.121-6.499	6.121-6.404	± 3	-3 / +1.5	378	275	

Comparison		Sectional Weight / (Pieces/Bundle)			
Size (Dia in mm)	Pieces in Bundle (Saluja Gold)	Weight / Pieces 12 mtr. Length (Min. - Max.)		Weight / Bundle (Min. - Max.)	
		IS : 1786	Saluja Gold	IS : 1786	Saluja Gold
08	12	4.404 - 5.076	4.404 - 4.920	48.480 - 60.912	48.480 - 59.040
10	8	6.888 - 7.920	6.888 - 7.620	55.104 - 63.360	55.104 - 60.960
12	5	10.128 - 11.184	10.128 - 10.860	50.640 - 55.920	50.640 - 54.300
16	3	18.012 - 19.908	18.012 - 19.320	54.036 - 59.724	54.036 - 57.960
20	2	28.752 - 30.528	28.752 - 30.084	57.504 - 61.056	57.504 - 60.168
25	1	44.820 - 47.580	44.820 - 46.884	44.820 - 47.580	44.820 - 46.884
28	1	56.220 - 59.700	56.220 - 58.824	56.220 - 59.700	56.220 - 58.824
32	1	73.452 - 77.988	73.452 - 76.848	73.452 - 77.988	73.452 - 76.848



Better Flexibility



Affordable & Useful



Better Weldability



High Thermal Resistant



Durability & Strength



Earthquake Resistant



Corrosion Resistance



BSI Standard