



SHYAMTM
METALICS
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SHYAM METALICS AND ENERGY LIMITED

At-Pandloi, P.O-Lapanga, P.S- Rengali
Sambalpur-768212 (Odisha)

Date:-

TEST CERTIFICATE FOR: HIGH STRENGTH DEFORMED STEEL BARS AND WIRES FOR CONCRETE REINFORCEMENT.

(Thermex Manufactured in Technical Collaboration with HSE Germany, H & K, Rolling Mill Engineering Pvt. Ltd.)

Test Certificate No.

M/s: - **SAMPLE TC Fe 550D TIGER BRAND**

We certify that the material described below fully conforms to IS:1786-2008 Chemical Composition and mechanical properties of the product as tested in accordance with the Scheme of Testing and Inspection contained in the ISI certification marks License No. CM/L- 5363162 are as indicated below against each order.

(PLEASE REFER TO IS:1786-2008 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

Order No. & Date	Section (Nominal Size) mm	Cast / Lot No.	Qty. (MT)	Date of Testing	CHEMICAL COMPOSITION					MECHANICAL PROPERTIES								Grade	Remarks
					% C	% S	% P	% S & P	% CE	0.2% Proof Stress N/mm ² (Min)	0.2% Proof Stress N/mm ² (Max)	Tensile Strength N/mm ²	TS / YS Ratio	% Elongation	% Total Elongation at maximum force	Bend Test	Rebend Test		
	08 mm	07G2208T		07.07.22	0.18	0.027	0.033	0.060	0.285	557	594	671	1.17	17.3	6.4	OK	OK	Fe 550 D	Satisfactory
	10 mm	12G2210T		12.07.22	0.17	0.026	0.033	0.059	0.278	560	594	669	1.16	17.2	6.3	OK	OK		
	12 mm	01G2212T		01.07.22	0.19	0.028	0.032	0.060	0.295	562	594	667	1.16	16.7	6.5	OK	OK		
	16 mm	11G2216T		11.07.22	0.19	0.027	0.033	0.060	0.303	560	595	678	1.16	17.4	6.3	OK	OK		
	20 mm	13G2220T		13.07.22	0.20	0.026	0.032	0.058	0.305	557	595	671	1.17	19.7	7.3	OK	OK		
	25 mm	04G2225T		04.07.22	0.22	0.026	0.034	0.060	0.342	557	589	664	1.16	18.2	8.4	OK	OK		
	32 mm	05F2225T		05.06.22	0.22	0.025	0.031	0.056	0.342	560	586	659	1.16	18.0	7.8	OK	OK		

(The Material supplied contains to standard Rolling and Weight tolerance.)

Remarks: SHIPPING ADVICE NO.

WAGON / LORRY :-

Invoice No:-

Date:-

SHYAM METALICS AND ENERGY LTD.



Quality Control Manager