



CHEMICAL TESTING AND ANALYTICAL LABORATORY
DEPARTMENT OF INDUSTRIES AND COMMERCE
GOVERNMENT OF TAMILNADU
INDUSTRIAL ESTATE, GUINDY, CHENNAI -32
PHONE : (044) - 22501641

CTAL

CERTIFICATE No.	2	5	0	9	0	9	2	4	DATE	1	6	/	0	9	/	2	5	TOTAL PAGES	0	3
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CLIENT'S PARTICULARS:

Name of the client : M/s. Ferrosco Industries Private Limited.

Address : No.4, Nethaji Nagar,
II Floor, Arunachala Towers,
Nanjundapuram Road,
Ramanathapuram,
Coimbatore – 641 036.

Reference : Testsing of TMT Bars.

Clients Letter No : FIPL/2025/02

Date : 28.08.2025

File No. : 2952/CW4/2025.

SAMPLE PARTICULARS:

Nature of sample : **Deformed Reinforcement Steel Rods**

Sample identification : Brand Name:
Tusker TMT Fe 550D
– 8mm, 10mm, 12mm,
16mm, 20mm & 25mm

Date of Receipt: 01.09.2025

Standards/References of test methods if any : IS: 1786-2008
(Reaffirmed 2018)
IS: 1608 (Part 1)-2022
IS: 1599-2023

Quantity : 6 Nos.



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AUTHORISED SIGNATORY

SENIOR CHEMIST
Chemical Testing And
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GUINDY, CHENNAI-32.

Note:

1. Any correction in the certificate not attested shall invalidate this certificate.
2. This certificate is issued for tests conducted on samples tendered only.
3. This report shall not be reproduced except in full without the written approval of the laboratory.



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TEST RESULTS

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Sample Tested : Deformed Reinforcement Steel Rods
Brand Name & Grade : Tusker TMT 550D
Date of Testing : 15.09.2025
Test Method : IS: 1608 (Part 1)-2022, IS: 1786-2008, IS: 1599-2023

Sl. No.	Sample Tested	Sample Diameter (mm)	Weight/Metre (kg)	0.2% Proof Stress (N/mm ²)	Tensile Strength (N/mm ²)	Elongation (%)	Bend	Rebend
1.	8mm Tusker TMT 550D	8.0	0.387	626.3	709.8	17.5	Passes the Test	Passes The Test
2.	10mm Tusker TMT 550D	10.0	0.590	629.0	707.6	18.0	Passes the Test	Passes The Test
3.	12mm Tusker TMT 550D	12.0	0.885	689.5	785.0	18.3	Passes the Test	Passes The Test
4.	16mm Tusker TMT 550D	16.0	1.553	645.2	727.1	16.3	Passes the Test	Passes The Test
5.	20mm Tusker TMT 550D	20.0	2.453	614.4	691.2	18.0	Passes the Test	Passes The Test
6.	25mm Tusker TMT 550D	25.0	3.850	599.5	685.1	18.4	Passes the Test	Passes The Test

Remarks: The given samples conform to IS-1786-2008 (Reaffirmed 2018) Grade Fe 550D in respect of above tests.

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TEST RESULTS

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Sample : High Strength deformed Steel Bars
Marked as : Tusker Fe 550D – i)8mm, ii)10mm, iii)12mm, iv)16mm, v)20mm, vi)25mm
Date of Testing : 10.09.2025
Test Methods : IS: 8811-1998 (Reaffirmed 2018)

Sl. No.	Constituents in Percent	Sample Tested						Percent maximum for Fe 550D as per IS:1786:2018	Variation, Over Specified Maximum Limit, Percent, Max
		8mm	10mm	12mm	16mm	20mm	25mm		
1.	Carbon	0.21	0.18	0.23	0.20	0.18	0.17	0.25	0.02
2.	Sulphur	0.027	0.028	0.026	0.026	0.026	0.040	0.040	0.005
3.	Phosphorus	0.045	0.038	0.045	0.039	0.031	0.039	0.040	0.005
4.	Sulphur & Phosphorus	0.072	0.066	0.071	0.065	0.057	0.079	0.075	0.010

Remarks: The given samples marked as Tusker– i)8mm, ii)10mm, iii)12mm, iv)16mm, v)20mm,vi)25mm conform to the grade **Fe 550D** of IS: 1786 : 2008 (Reaffirmed -2018) (Specification for High strength deformed Steel rods and wires for concrete reinforcement) with respect to above tests.

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