

## TEST REPORT

Test Report No : UES/20250210/00005

Report Date : 14/02/2025

Name of Client : malvika

Address of Client : adajan

Letter Reference No. : letter

Date : 18/02/2025

Name of Work : ASAAS

Name of Agency : kishan patel

Agreement No. : fgdg

Material Received : TMT

Sample Condition : Sealed

Sample Received Date : 10/02/2025

Job No. : UES/20250210/00005/00006

Sample no. : UES/20250210/00005

Test Started : 10/02/2025

Test Completed : 14/02/2025

ULR no. : TC-1077024000000069F

### Test Report

Discipline : - Mechanical

Group : - Building Material

Sr. No.	Test	Result Obtained	Result Obtained	Result Obtained	Method Of Test
	Dia. (mm)	5	28	20	
1	Yield strength (N/mm <sup>2</sup> )	446	440	187	I.S. 1786-2008 (RA 2018), 1608 (Part-1) : 2022
2	Ultimate tensile strength (N/mm <sup>2</sup> )	538	529	297	
3	Elongation (%)	20	20	140	
4	Wt./m length (Kg.)	30.07	167.44	12	

#### Requirement as per I.S. 1786 – 2008, Clause 6.3 & 7.2.3

Diameter(mm)	4	5	6	8	10	12	16	20	25	28	32	36	40
Mass per meter	0.099	0.154	0.222	0.395	0.617	0.888	1.58	2.47	3.85	4.83	6.31	7.99	9.86
Tolerances on Nominal Mass	-8%					-6%			-4%				

#### Requirement as per I.S. 1786 – 2008, Clause 9.1, Table 3

Property	Fe 415	Fe 415D	Fe 500	Fe 500D	Fe 550	Fe 550D	Fe 600
0.2 % percent proof stress (minimum) in N/mm <sup>2</sup>	415	415	500	500	550	550	600
Ultimate Tensile Stress (Minimum) in N/mm <sup>2</sup>	10% more than actual 0.2% proof stress but not less than 485 N/mm <sup>2</sup>	12% more than actual 0.2% proof stress but not less than 500 N/mm <sup>2</sup>	8% more than actual 0.2% proof stress but more than 545 N/mm <sup>2</sup>	10% more than actual 0.2% proof stress but more than 565 N/mm <sup>2</sup>	6% more than actual 0.2% proof stress but more than 585 N/mm <sup>2</sup>	8% more than actual 0.2% proof stress but more than 600 N/mm <sup>2</sup>	6% more than actual 0.2% proof stress but more than 660 N/mm <sup>2</sup>
Min. Elongation in %	14.5	18	12	16	10	14.5	10

---\*END OF REPORT\*---

#### NOTES :-

1. The test results given are based on the sample submitted by the client.
2. Universal Engineering and Geotechnical Services LLP will not responsible for any kind of the interpretation of test results.
3. The reports/results are not supposed to be used for publicity.



Reviewed By  
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Authorised Signatory – Approved By  
Mr. Kishan Patel  
(Technical Manager)  
Record No. : F01 (7.8) Issue Date : 01.08.2024  
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