



**STRENGTH OF MATERIALS LABORATORY**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**COLLEGE OF ENGINEERING TRIVANDRUM**

CET / ITC & SR No. 1122/25-26

24.11.2025

To,

**Mr.Sivankutty.G**

**Senior General Manager – Projects & Division Head,**

**Confident Projects – Residential, Medical College.P.O.**

**Trivandrum - 695011**

Sub. : Testing of TMT bars - reg

Ref. : 1) Letter No : NIL dated. 12.11.2025

2) CET / ITC & SR No .1122/25-26 dated. 18.11.2025

**TEST RESULTS (As per IS 1608:2005,1786: 2008)**

Sl. No	Brand Name	Reported Diameter (mm)	Unit Weight (kg/m)	Actual Diameter (mm)	Yield Strength (N/mm <sup>2</sup> )	Ultimate Strength (N/mm <sup>2</sup> )	Elongation (%)	Bend & Rebend
1	TULSYAN HCRM 550D	8	0.37	7.77	641.48	703.47	25.00	OK
2		8	0.37	7.77	623.99	717.50	25.00	OK
3		8	0.37	7.77	611.05	695.25	25.00	OK
4		10	0.62	9.97	591.89	717.73	20.00	OK
5		10	0.62	9.97	603.27	716.29	22.00	OK
6		10	0.61	9.93	595.47	722.07	22.00	OK
7		12	0.91	12.12	569.89	671.78	18.33	OK
8		12	0.91	12.12	561.31	671.78	20.00	OK
9		12	0.90	12.03	569.74	686.19	22.50	OK
10		16	1.57	15.89	569.00	692.61	22.50	OK
11		16	1.57	15.89	583.11	681.85	23.75	OK
12		16	1.57	15.89	588.79	692.61	22.50	OK



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13	TULSYAN HCRM 550D	20	2.47	19.90	610.86	720.41	18.00	OK
14		20	2.43	19.79	622.02	701.68	18.00	OK
15		20	2.40	19.66	614.11	710.99	19.00	OK
16		25	3.78	24.70	696.22	798.50	18.40	OK
17		25	3.79	24.73	694.53	796.57	20.00	OK
18		25	3.80	24.74	693.97	795.92	19.20	OK

Sri. Joy J

TECHNICAL STAFF -IN-CHARGE

Dr. Deepa Raj S

FACULTY -IN-CHARGE

Dr. Mitra D C

LAB-IN-CHARGE

Dr. Priyadarsini R.S

HEAD OF THE DEPARTMENT



**PRINCIPAL**

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ട്രിവാൻഡ്രം, തിരുവനന്തപുരം 16