



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

CET / ITC & SR No. 1031/25-26

18.11.2025

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 29.10.2025

2) CET / ITC & SR No .1031/25-26 dated 31.10.2025

**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	0.38	7.87	605.11	705.87	20.00	OK
2		8	0.37	7.68	635.42	720.05	22.50	OK
3		8	0.38	7.87	611.31	713.10	20.00	OK
4		10	0.60	9.87	589.91	718.06	20.00	OK
5		10	0.61	9.92	596.67	698.14	18.00	OK
6		10	0.61	9.92	602.73	718.06	20.00	OK
7	SURYADEV 550D	12	0.87	11.83	642.72	740.82	18.33	OK
8		12	0.86	11.75	651.51	750.94	16.67	OK
9		12	0.88	11.94	622.17	718.47	16.67	OK
10		16	1.55	15.82	574.05	688.77	18.75	OK
11		16	1.56	15.86	571.87	686.16	17.50	OK
12		16	1.56	15.86	572.60	696.99	17.50	OK



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13	SURYADEV 550 D	20	2.46	19.93	613.31	707.58	18.00	OK
14		20	2.47	19.94	612.70	706.87	18.00	OK
15		20	2.46	19.93	613.93	708.29	18.00	OK
16		25	3.88	25.01	669.08	768.85	16.00	OK
17		25	3.88	25.01	668.55	768.23	16.00	OK
18		25	3.87	24.98	670.69	770.69	16.80	OK

*Sri.Joy J*

TECHNICAL STAFF -IN-CHARGE

*Dr. Deepa Raj S*

FACULTY -IN-CHARGE

19/11/25

*Dr. Mitra D C*

LAB-IN-CHARGE

20/11/25

*Dr. Priyadarsini R.S*

HEAD OF THE DEPARTMENT



**PRINCIPAL**  
കോളേജ് ഓഫ് എഞ്ചിനീയറിംഗ്  
ട്രിവാൻഡ്രം, തിരുവനന്തപുരം 16

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