



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

CET / ITC & SR No. 392/25-26

11.07.2025

To,

Mr.Sivankutty.G

Senior General Manager - Project- Division Head,

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

Trivandrum - 695011

Sub. : Testing of TMT bars - reg

Ref. : 1) Letter No : NIL dated 19.06.2025

2) CET / ITC & SR No. 392/25-26 dated 25.06.2025

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

Sl. No.	Brand Name	Reported Diameter (mm)	Actual Diameter (mm)	Unit Weight (kg/m)	Yield Strength (N/mm ²)	Ultimate Strength (N/mm ²)	Elongation (%)	Bend & Rebend
1	SURYADEV 550D	8	8.125	0.407	751.072	828.046	27.50	OK
2		8	8.135	0.408	768.428	845.213	25.00	OK
3		8	8.145	0.409	785.696	862.273	25.00	OK
4		10	9.865	0.600	718.336	809.710	20.00	OK
5		10	9.581	0.566	761.553	844.595	22.00	OK
6		10	9.873	0.601	717.173	795.375	22.00	OK
7		12	11.742	0.850	672.882	755.801	25.00	OK
8		12	11.596	0.829	671.042	765.512	25.00	OK
9		12	11.610	0.831	678.843	763.667	21.67	OK
10		16	15.927	1.564	642.409	708.834	25.00	OK
11		16	15.932	1.565	616.413	703.283	22.50	OK
12		16	15.927	1.564	616.861	693.505	25.00	OK

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28/07/2025



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13	SURYADEV 550D	20	20.032	2.474	650.306	727.123	25.00	OK
14		20	20.052	2.479	679.675	741.006	26.00	OK
15		20	20.036	2.475	650.047	711.475	27.00	OK
16		25	24.479	3.847	622.300	691.508	24.00	OK
17		25	24.963	3.842	623.098	692.394	24.00	OK
18		25	24.944	3.836	624.048	703.364	23.20	OK

Sri.Joy J
TECHNICAL STAFF –IN-CHARGE

Dr.Yashida Nadir
FACULTY –IN-CHARGE

Dr. Mitra DC
LAB-IN-CHARGE

Dr. Priyadarsini .RS
HEAD OF THE DEPARTMENT



PRINCIPAL
കോളേജ് ഓഫ് എഞ്ചിനീയറിംഗ്
ട്രിവാൻഡ്രം, തിരുവനന്തപുരം 16

28/07/2025
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