



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

CET / ITC & SR No. 1511/25-26

11.03.2026

To,

Mr.Sivankutty.G
Senior General Manager – Projects & Division Head,
Confident Group,Kannammoola TC:94/3675,
Medical College.P.O.
Trivandrum - 695011

Sub.: Testing of TMT bars - reg

Ref.: 1)Letter No : NIL dated. 20.02.2026

2) CET / ITC & SR No .1511/25-26 dated. 27.02.2026

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 ²)	Ultimate Strength (N/mm ²)	Elongation (%)	Bend & Rebend
1	SURYADEV TMT 550D	8	0.40	8.08	721.45	818.85	22.50	OK
2		8	0.41	8.11	716.12	803.12	20.00	OK
3		8	0.41	8.12	714.35	801.15	22.50	OK
4		10	0.60	9.86	641.06	706.44	20.00	OK
5		10	0.60	9.83	644.32	723.17	16.00	OK
6		10	0.60	9.82	632.22	698.03	16.00	OK
7		12	0.89	11.99	610.19	672.07	16.67	OK
8		12	0.89	11.99	603.47	674.43	20.00	OK
9		12	0.88	11.97	594.60	699.99	18.33	OK
10	Bhuvulka Premier TMT 550 D	16	1.57	15.96	639.92	744.26	16.25	OK
11		16	1.57	15.94	641.20	743.20	15.00	OK
12		16	1.57	15.94	641.60	746.02	16.25	OK

12/3/26

11/03/2026



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

CET / ITC & SR No. 1511/25-26

11.03.2026

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

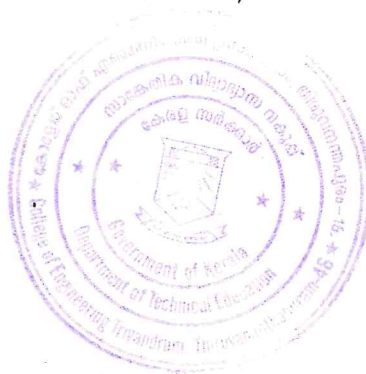
Sl. No	Brand Name	Reported Diameter (mm)	Unit Weight (kg/m)	Actual Diameter (mm)	Yield Strength (N/mm ²)	Ultimate Strength (N/mm ²)	Elongation (%)	Bend & Rebend
13	SURYADEV TMT 550D	20	2.45	19.95	686.57	764.02	15.00	OK
14		20	2.45	19.95	686.85	764.32	15.00	OK
15		20	2.46	19.96	685.75	763.10	15.00	OK
16		25	3.84	24.95	685.24	724.80	18.50	OK
17		25	3.82	24.89	664.57	723.59	20.00	OK
18		25	3.84	24.94	665.24	731.92	20.00	OK

Sri. Joy J
 TECHNICAL STAFF -IN-CHARGE

Prof. Sajitha Beegom A
 FACULTY -IN-CHARGE

Dr. Mira D C
 LAB-IN-CHARGE

Dr. Priyadarsini R.S
 HEAD OF THE DEPARTMENT



PRINCIPAL
 കോളേജ് ഓഫ് എഞ്ചിനീയറിംഗ്
 ട്രിവാന്ദ്രം, തിരുവനന്തപുരം. 16