



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

CET / ITC & SR No. 1615/25-26

20.04.2026

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. 31.03.2026

2) CET / ITC & SR No .1615/25-26 dated. 31.03.2026

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
1	SURYA DEV 550 D	8	0.38	7.90	780.68	873.67	25.00	OK
2		8	0.38	7.89	782.66	875.89	22.00	OK
3		8	0.39	7.92	788.31	869.27	25.00	OK
4	TULSYAN HCRM 550 D	10	0.59	9.81	807.81	943.50	28.00	OK
5		10	0.60	9.83	812.04	942.67	20.00	OK
6		10	0.60	9.84	795.46	930.26	22.00	OK
7		12	0.86	11.78	894.80	973.22	25.00	OK
8		12	0.86	11.81	900.66	973.48	26.67	OK
9		12	0.86	11.80	896.98	975.13	25.00	OK
10		16	1.66	16.40	639.69	752.97	20.00	OK
11		16	1.61	16.18	657.20	795.76	22.50	OK
12		16	1.66	16.43	637.35	774.41	18.75	OK

20/4/26



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13	Premier TMT 550 D	20	2.39	19.71	722.99	846.24	20.00	OK
14		20	2.48	20.04	710.21	829.43	25.00	OK
15		20	2.45	19.95	742.15	942.65	20.00	OK
16	TULSYAN 550 D	25	3.82	24.89	746.13	879.62	17.00	OK
17		25	3.82	24.89	769.55	879.62	14.40	OK
18		25	3.82	24.89	769.55	877.28	13.60	OK

Sri.Joy J

TECHNICAL STAFF -IN-CHARGE

Dr.Jiji Anna Varughese

FACULTY -IN-CHARGE

Dr. Mitra D C

LAB-IN-CHARGE

Dr. Priyadarsini R.S

HEAD OF THE DEPARTMENT



PRINCIPAL

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