



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

CET / ITC & SR No. 1654/24-25

05.03.2025

To,
Sri.Sivankutty.G
Senior General Manager
Project and Division Head
Confident Group, Medical college PO 695011

Sub. : Testing of steel reinforcement bars reg;

Ref. : 1)Letter no ; Nil

dated 26.02.2025

2) CET / ITC & SR No.1654/24-25

dated 27.02.2025

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 Test	Re Bend Test
1	SURYADEV 550D	8	7.892	0.384	714.490	765.490	30.00	OK	OK
2		8	7.933	0.388	666.760	737.410	35.00	OK	OK
3		8	8.035	0.398	649.940	699.130	22.50	OK	OK
4	THULSYAN HCRM 550D	10	9.766	0.588	559.830	673.050	20.00	OK	OK
5		10	9.741	0.585	562.700	663.110	18.00	OK	OK
6		10	9.724	0.583	604.980	772.920	18.00	OK	OK
7	SURYA DEV 550D	12	11.804	0.859	688.620	779.790	20.00	OK	OK
8		12	11.804	0.859	697.740	775.230	23.33	OK	OK

Prof .Sajitha Beegom

Consultant



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9	SURYADEV 550 D	12	11.811	0.860	692.360	774.310	21.67	OK	OK
10		16	15.738	1.527	605.600	705.030	20.00	OK	OK
11		16	15.743	1.528	599.990	707.190	21.25	OK	OK
12		16	15.743	1.528	589.530	704.580	21.25	OK	OK
13		20	19.845	2.428	631.311	725.237	24.00	OK	OK
14		20	19.853	2.430	630.802	724.650	25.00	OK	OK
15		20	19.796	2.416	634.440	728.830	26.00	OK	OK
16		25	24.914	3.827	595.740	635.490	17.60	OK	OK
17		25	24.869	3.813	587.920	647.770	17.60	OK	OK
18		25	24.882	3.817	577.340	647.090	17.60	OK	OK

Sri. Deepak S.S.

TECHNICAL STAFF –IN-CHARGE

Prof. Sajitha Beegom

FACULTY –IN-CHARGE

Dr. Mitra DC

LAB-IN-CHARGE

Dr. Jaya V

HEAD OF THE DEPARTMENT



PRINCIPAL

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