



DIVISION OF CIVIL ENGINEERING
SCHOOL OF ENGINEERING
COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
KOCHI - 682 022

Grams: CUSAT Cochin-22, Telex: 885-5019 CU IN

Ref. No. SOE/CE/415/2021-2022

Date: 08.11.2021

From
Head

To

Confident Project Residential
S A Road, Vytilla
Ernakulam.

Sirs,

Sub : Testing of Steel samples

Ref. : Letter No. GLS/PO/2021-22/11/01; dated : 01.11.2021

With reference to the letter cited above, we are giving below the test results of Steel samples brought to this laboratory.

Sl. No	Brand Name/ Identification Marks	Nominal Dia (mm)	Weight/ Meter (kg/m)	Cross Sectional Area (mm ²)	0.2% proof Stress (N/mm ²)	Ultimate Tensile Stress (N/mm ²)	Percentage of Elongation (%)
1.	TULSYAN 500	8	0.377	50.26	596	736	27.5
2.		10	0.587	78.53	573	674	24.0
3.		12	0.886	113.09	588	684	26.6
4.		16	1.535	201.06	606	683	20.0
5		20	2.403	314.15	531	628	23.0
6		25	3.906	490.87	576	713	22.4

Signed by

Consultant

Dr. Gilbert Joseph



Forwarded by

Head
Civil Engineering

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
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Dr. JOB THOMAS Ph.D
Professor in Civil Engineering

Ref.No: CUSAT/288/10/21-22/0314
T.O Date: 18.10.2021
Report Date: 22.10.2021

Confident Projects Residential
SA Road, Vyttila

TEST REPORT ON REINFORCING STEEL

Source of sample : Sample supplied by the Customer
No. of Samples : 6 set
Customer Reference* : Letter Dated on 18.10.2021
Project name* : Not Specified
Sample reference : 8mm, 10mm, 12mm, 16mm, 20mm, 25mm
Condition of Samples : Satisfactory
Brand/ Type* : TULSYAN Fe 500
Date of Test : 22.10.2021
Test Method : IS 1608-2005(Reaffd 2011), IS 1786-2008(Reaffd 2013), IS 1599:2012
CUSAT Reference : PLB3/17870/2007dated 24.07.2017


TEST RESULTS: BEND & REBEND TEST

Sl. No	Sample Dia	Brand*	Bend	Rebend
1.	8 mm	TULSYAN Fe 500	Satisfactory	Satisfactory
2.	10 mm	TULSYAN Fe 500	Satisfactory	Satisfactory
3.	12 mm	TULSYAN Fe 500	Satisfactory	Satisfactory
4.	16 mm	TULSYAN Fe 500	Satisfactory	Satisfactory
5.	20 mm	TULSYAN Fe 500	Satisfactory	Satisfactory
6.	25 mm	TULSYAN Fe 500	Satisfactory	Satisfactory

*As Furnished by the Customer

- Note:**
1. The results relate only to the samples tested.
 2. Report shall not be reproduced, except in full, without the written approval of the lab.
 3. Any correction invalidates this report.

Consultant


Dr. JOB THOMAS
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