Indian Institute of Technology Hyderabad
Kandi, Sangareddy 502285, Telangana, INDIA

Dr. S. Suriya Prakash
Professor
Civil Engineering

24/09/2022

PHYSICAL TEST REPORT ON STARK STEEL REBARS

Test order Dated: As per Invoice 297 Dated 2/11/2021

To
M/s. SOMANI WIRES
Part II Survey No 42/P16
102/1, Seethanayakana halli,
Lakkur Hobli,Malur Taluk,
Kolar-563160

Source of sample	:	Sample supplied by the customer
Customer's Reference	:	Email dated October 23, 2021
Date of test	:	05-09-2021
No. of samples tested	:	03
Sample Details #	:	STARK STEEL REBAR
Condition of sample	:	Satisfactory
Test Method	:	IS: 1608-2005 (Reaffirmed 2011)

S. NO	D_o (Diameter) mm	Cross Section area (mm^2)	Young's Modulus (GPa)	Ultimate Tensile Strength (MPa)	Ultimate Load (kN)	Yield Strength (MPa)	Yield Load (kN)	Elongation (%)
1	5.2	21.23	192	1956	41.52	1740	36.94	5.20
2	5.2	21.23	189	1945	41.29	1785	37.89	5.50
3	5.2	21.23	190	1864	39.57	1805	38.32	5.42
AVERAGE			**190**	**1921**	**40.78**	**1776**	**37.70**	**5.37**

As furnished by the customer

Note:

1. The results relate only to the item tested.
2. Report shall not be reproduced, except in full, without the written approval of the IITH.
3. Any correction invalidates this report.
4. Yield strength reported is based on 0.2% proof strain

Investigator

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