



NABL Accredited Lab
as per ISO/IEC: 17025

Ref: BVIPL:STEEL BB/839/7/2021
Test Order dated: 10.07.2021

Date: 20.07.2021

Gayatri Projects Limited
Angul to Sambalpur Road Project
(NH-55), P.O Jarang Dehuri Sahi, Via Kishoregunj
P.S Janpada, Village, Govinda Pana Sahi-759127
Angul District, Odisha State.

CHEMICAL TESTING
Metals and Alloys

CHEMICAL TEST REPORT ON REINFORCING STEEL

Source of sample : Sample supplied by the customer
Customer's Reference : Letter No.GAYATRI-PTPS/NH-55(A-S)/LAB/MISC/2021/68 dated 07.07.2021
UIN : 21025963
Date of test : 20.07.2021
Project# : Rehabilitation and up-gradation to 4-laning of Angul-Sambalpur section of NH-42 (New NH No.55) from Km 112.000 to Km 265.000 in the state of Odisha under NHDP -IV on EPC mode.
Sample from # : Shyam Metalics & Energy Ltd.,
Factory located # : Rengali, dist Sambalpur, Odisha.
Brand # : SEL TMT
Grade # : Fe-500D
Condition of samples : Satisfactory
Test Method : IS:8811 – 1998 (Reaffirmed 2012)

Sl No	Nominal Dia # (mm)	Carbon (%)	Phosphorus (%)	Sulphur (%)	Sulphur + Phosphorus	CE (%)
1	10	0.204	0.028	0.016	0.044	0.30
2	16	0.149	0.025	0.013	0.038	0.25
3	25	0.157	0.037	0.040	0.077	0.30
4	32	0.162	0.032	0.022	0.054	0.28

As furnished by the customer.

Requirements as per IS:1786-2008 (Reaffirmed 2018) (% Max)

Carbon - 0.270
Phosphorus - 0.045
Sulphur - 0.045
Sulphur + Phosphorus - 0.085
CE - 0.50

Remarks : The tested samples conform to IS:1786-2008 (RA 2018) requirements for Fe-500D Grade with respect to chemical tests conducted.

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

for **BUREAU VERITAS (INDIA) PRIVATE LIMITED**
Construction Services Laboratory

Krishna
20/7/2021

KRISHNA. V

Senior Chemist

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