



**BUREAU
VERITAS**

Ref: Test Order /Report No. BVIPL/Steel/BB/839/7/2021
Test Order Dated 10.07.2021

Report Date: 17.07.2021

Gayatri Projects Limited

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Angul-Sambalpur Road Project (NH-55)
At: Govinda Pana Sahi, PO: Jerang Dehuri Sahi, Vill: Kishore Gang
PS: Janpada, Angul

TEST REPORT ON REINFORCEMENT STEEL

Sampling done by : Client submitted the samples
Type of Sample : Reinforcement Steel Bar
Customer's Reference : Letter GAYATRI-PTPS/NH-55/(A-S)/LAB/MISC/2021/068 Dated 07.07.2021
No of sample tested : 4 (Four)
UIN : 21025963
Project# : Rehabilitation and up-gradation to 4 -Laning of Angul-Sambalpur section of NH-42 (New NH 55) from km 112.000 to km 265.000 in the state of Odisha under NHDP-IV on EPC Mode.
Sample Receiving Date : 10.07.2021
Period of test : 16.07.2021
Condition of sample : Satisfactory
Make/Grade of Steel# : Shyam Metallics & Energy Limited/SEL TMT FE 500D
Technical reference : IS: 1599, IS: 1608 & IS: 1786

Sl. No.	Nominal Dia # (mm)	Mass (Wt.) Kg/m	Tensile Test			Bend Test	Re-bend Test
			Yield Stress (N/mm ²)	UTS (N/mm ²)	Elongation (%)		
1	10	0.584	819.8	1001.3	26.9	Passes	Passes
2	16	1.56	810.6	916.2	23.9	Passes	Passes
3	25	3.71	689.9	831.8	17.0	Passes	Passes
4	32	6.30	585.3	714.8	21.5	Passes	Passes

Requirement as per IS: 1786-2008

Dia (mm)	Mass (Wt.) (Kg/m)	Dia (mm)	Mass (Wt.) (Kg/m)	Mass (Wt.) (Kg/m)	Grade	0.2 % Proof Stress / Yield Stress (N/mm ²)	UTS (N/mm ²) Min	Elongation (%) Min.
10	0.568-0.617	25	3.69-3.85	2.43-2.47	FE-500D	Min 500	565 or 1.10 times of YS, Whichever is higher	Min 16.0
16	1.48-1.58	32	6.06-6.31					

#As furnished by client.

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

For BUREAU VERITAS (INDIA) PRIVATE LIMITED
Construction Services Laboratory

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