



# ASSAM ENGINEERING COLLEGE

JALUKBARI, GUWAHATI - 781 013, ASSAM  
CENTRE FOR ASSAM ENGINEERING COLLEGE CONSULTANCY  
DEPARTMENT : CIVIL ENGINEERING



Sl. No. CAEC-CONCE/SM/2020/4872

22.05.2020

## TEST REPORT

**Name of test:** Physical Testing of TMT bars (MAITHAN Brand)

**Name of work:** Construction of 2 lane road with raised shoulder from km 16.000 Romig-Hunli section to km 21.500 of Hunli-Anira Road ... in Arunachal Pradesh under SARDP-NE on EPC Basis.

**Client:** Signatory Authority, DRA-III, ...

**Ref:** Letter No: DRA-III/SH/113/2018-19/254 dated 03.05.2020

### Results of Tests Performed

Sl No.	Bar dia (mm)	Tensile Strength (N/mm <sup>2</sup> )	Proof Stress (N/mm <sup>2</sup> )	Elongation (%)	Bend Test	Rebend Test	Nominal mass (Kg/m)
1	8	638.3	551.4	22.5	Satisfactory	Satisfactory	0.401
2	10	627.9	543.7	20.0	Satisfactory	Satisfactory	0.615
3	12	632.1	541.8	18.3	Satisfactory	Satisfactory	0.891
4	16	657.8	565.8	21.2	Satisfactory	Satisfactory	1.586
5	20	634.5	542.9	19.0	Satisfactory	Satisfactory	2.476
6	25	641.6	558.3	20.0	Satisfactory	Satisfactory	3.861

**Remarks:** The above samples conform to IS: 1786-2008.

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