



**BIRLA INSTITUTE OF TECHNOLOGY**  
**(DEPARTMENT OF MECHANICAL ENGINEERING)**  
**A Deemed University u/s 3 of UGC Act, 1956**  
**MESRA – 835215 (RANCHI) INDIA**

Ref: ME34/2013-2014/

Dated April 27, 2013.

Tensile & Bend test of Steel Rod  
Brand: TMT Bar FE 500D

To

M/s Electrosteel Steels Limited  
G.K. Tower, 2<sup>nd</sup> & 3<sup>rd</sup> Floor  
19 Camac Street  
Kolkata- 700 017

Ref No.: Nil dated 26.4.2013.

S.No.	Dia of the specimen in mm	Yield load in kg (stress in N/mm <sup>2</sup> )	Ultimate load in kg (stress in N/mm <sup>2</sup> )	% elongation	Could it be bent upto 180°	Remarks
1.	16φ	11850.00 (578.17)	13350.00 (651.36)	22.5	Yes	Did not crack
2.	16φ	11700.00 (570.85)	13450.00 (656.19)	22.5	Yes	Did not crack
2.	16φ	11650.00 (568.39)	13550.00 (661.10)	22.5	Yes	Did not crack

Professor I/C Testing

Professor and Head,  
Department of Mechanical Engineering