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GEO-TECHNICAL ENGINEERING LABORATORY, WALTAIR

To The Divisional Engineer (Central) E.Co.Railway Waltair	Report No.XEN/GE/WAT/ ST-687 to 692/2010 Dated: 28/06/10	EAST COAST RAILWAY DRM(Engg) Office, Behind DRM complex, Dondaparthu, Visakhapatnam-530 004.
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Sub:- Testing of representative reinforcement steel.

Ref:- DEN/Central/WAT's Lr.No.Nil, dt:15.5.10.

A/L. No. GTK/PSCS/BRs/578, Dt:26/10/09

Materials submitted by:- Sri.G.Tirumala Kumar in representation with Steel Exchange India Ltd.

Received Steel samples of make "SIMHADRI TMT" for "Testing of Physical properties. at this Laboratory on 21/05/10.

The "Said to be representative samples" were tested for Yield stress, Ultimate Tensile stress and Elongation as per **IS: specifications**

As regards the testing charges of Rs.7200/- (Rupees seven thousand and two hundred only) was paid vide M.R.No.089018 Dated:26/6/10 at Visakhapatnam under **Allocation No.93065299.**

The Test results are given here under for your information and necessary action please.

Lab. Ref. No.	Description	Unit Weight in Kg/m	Yield Stress (N/mm ²) (Avg. of 3 specimens)	Ultimate Tensile Stress (N/mm ²) (Avg. of 3 specimens)	Elongation (%) (Avg. of 3 specimens)
ST-687	8mm dia Tor, SIMHADRI TMT	0.401	555	640	20.83
ST-688	10mm dia Tor, SIMHADRI TMT	0.601	658	736	20.67
ST-689	12mm dia Tor, SIMHADRI TMT	0.903	637	707	17.22
ST-690	16mm dia Tor, SIMHADRI TMT	1.547	606	672	16.67
ST-691	20mm dia Tor, SIMHADRI TMT	2.407	644	715	16.67

Note: The results given pertain to the samples received at the laboratory only.

[Signature]
28/6/10
**EXECUTIVE ENGINEER(GE),
E.Co.Railway/WALTAIR.**

Steel Test Report/PSR

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28/6/10
TE/W