



Corporate Office : #1030, 13th Cross, Banashankari 2nd Stage, Bangalore - 560 070 Ph : 080 - 39950500, 26716831, 26711793 / 94 / 95 Telefax : 080 - 26716833
 Email : enquiries@civilaid.com, labblr@civilaid.com, ndt@civilaid.com, geotech@civilaid.com Website : www.civilaid.com
 Sample Collection Centres In Bangalore at Marathalli 080 - 65991668 and Sahakar Nagar 080 - 4227 4315

Ref . CIVIL AID : STEEL : BL/697/4/2011
 Test Order Dated : 12-04-2011

Date : 20-04-2011
 Page : 1

STEEL EXCHANGE INDIA LTD

Flat No. 103, Vizag Profile Towers, Kurmanapalem, Vishakapatnam 46

FINAL TEST REPORT ON REINFORCING STEEL



Source of sample : Samples supplied by the customer
 No of Samples Tested : 18 + 6 (Twenty four)
 Customer's Reference : Letter dated 12.4.11
 Dates of Test : 13-04-2011, 15-04-2011
 Project* : Not furnished
 Grade* : Fe-500
 Manufacturer/Supplier* : Not furnished
 Batch No/ Cast No/ Heat No.* : Not furnished
 Technical Reference : IS: 1786-2008

PHYSICAL PROPERTIES -

Sl.No	Identification*	Nominal Dia* (mm)	Mass (Wt.) (kg/m)	0.2% Proof Stress / Yield Stress (N/mm ²)	U T S (N/mm ²)	Elongation (%)	Bend Test	Re bend Test
1	-	8	0.429	564	673	22.5	Passes	Passes
2	-	10	0.615	531	641	26.0	Passes	Passes
3	-	12	0.881	567	661	23.3	Passes	Passes
4	-	16	1.573	529	639	23.8	Passes	Passes
5	-	20	2.493	523	658	20.0	Passes	Passes
6	-	25	3.827	546	652	20.8	Passes	Passes

Requirements as per IS : 1786 - 2008

Dia (mm)	Mass (wt.) (Kg/m) (Min.)	Dia (mm)	Mass (wt.) (Kg/m) (Min.)	Grade	0.2% Proof Stress (N/mm ²) (Min.)	U T S (N/mm ²) (Min.)	Elongation (%) (Min.)
8	0.363	20	2.366	Fe - 415	415	485 or 10% more than Actual Proof Stress whichever is higher	14.5
10	0.567	25	3.697	Fe - 500	500	545 or 8% more than Actual Proof Stress whichever is higher	12.0
12	0.834	28	4.638	Fe - 500D	500	565 or 10% more than Actual Proof Stress whichever is higher	16.0
16	1.483	32	6.058				

Contd.....

Handwritten signature and date: 20/4/11

JHA KRISHNA
 Technical Officer

BRANCHES

H. No. 1-2-412/4/3/A, Lane No.1, St. No. 4, Gagan Mahal Colony, Dornalguda, HYDERABAD-500 029. Ph: 040-66824582, Telefax: 23224582, E-mail: civilaid@yahoo.com
 Lab: Shed No. F-2/B, Road No. 9, I D A, Nacharam, Hyderabad - 500 076. Phone: 040-64584582
 No.19/9, Vergese Avenue, Ashok Nagar, CHENNAI-600 083. Ph: 044 24847345, Fax: 044 24723618, E-mail: chennai@civilaid.com
 Shed No. C-27, Industrial Estate, Yeyyadi, Mangalore - 575 008. Ph: 0824-2213571, Email: mang.ctpl@gmail.com, civilaid_mangalore@yahoo.co.in