

MATERIAL TESTING LABORATORY

MILITARY ENGINEER SERVICES (MES)

TEST RESULTS FOR TENSILE STRENGTH OF PLAIN/DEFORMED/RIBBED COLD TWISTED M.S. BARS

Job No : 320/18-19(Steel). Copy No. : 04

Name of Client : GE (Navy) Dhaka. Sample Specimen : Length 600 mm Dia 20mm

Ref Itr No : CEN/91 of 2017-2018/19/E-2.Dt 25 April 2019. Sample Grade : 60

Project Name : CEN/91 of 2017-2018. Frog Mark
Date of Collection : Thursday, 9 May, 2019

Sample No	Nominal Dia	Actual Dia	Area Under Test	Actual Unit Weight	Average Actual Unit Weight	Yield or Proof Load	Yield or Proof Strength	Average Yield or Proof Strength	Ultimate Load	Ultimate Strength	Average Ultimate Strength	% (g	gation gauge gth)		
	inch mm	inch mm	sq.inch sq.mm	lb/ft kg/m	lb/ft kg/m	lb kn	psi Mpa	psi Mpa	lb kn	psi Mpa	psi Mpa	8inch	5d**	8inch	5d**
1	0.787 20	0.792 20.121	0.4869 314.1593	1.677 2.496		32253.49 143.47	66236 457		50409.15 224.23	103521 714		21.5			
2	0.787 20	0.792 20.121	0.4869 314.1593	1.677 2.496	1.677 2.496	32060.15 142.61	65839 454	65165 449	49896.58 221.95	102468 706	101280 698	26		26	
3	0.787 20	0.792 20.121	0.4869 314.1593	1.677 2.496		30882.15 137.37	63420 437		47648.48 211.95	97851 675		30			

Cautions:

- 1. Samples as supplied to the laboratory have been tested. The laboratory authority does not bear any responsibility as to the representative charecter of the samples to be tested.
- 2. It is recommended that the samples are sent in a secure and sealed cover/packet/container under signature of the competent authority.
- 3. In order to avoid fraudulent fabrication of the test results, it is recommended that all test reports should be collected by duly authorized person and not by the contractor/supplier.

Observation on Specimen(if any):

1.

Minimu	m Standard	Requiremen	nts (BDS/ISO	Minimum Standard Requirments(ASTM A615/A616M-96a)										
	6935-	2:1991(E)		ASTM A 615 M			ASTM A 615 M			ASTM A 615/A 615 M				
Grade	Y/strength	, , , ,				Ult.Str	Grade	Y/strength	Ult.Str	Minimum Elongation in 8"(203.2 mm) GL (%)			GL (%)	
	N/mm2 or	Control of the Contro	2000		psi	psi		Mpa	Mpa	10	13,16,19 mm	22,25	29,32,36	
	Mpa	Mpa	%		(kg/cm2)	(kg/cm2)		(kg/cm2)	(kg/cm2)	mm		mm	mm	
300	300	330	16	40	40000(2810)	70000(4910)	300	300(3050)	500(5090)	11	12			
400/400w	400	440	14	60	60000(4210)	90000(6310)	420	420(4275)	620(6295)	9	9	8	7	
500/500w	500	550	14	75	75000(5255)	100000(7015)	520	520(5275)	690(7010)	1000	7	7	6	

This is a computer genarated copy

No signature is required

Note : [1 Mpa = 145 Psi, 1 kg/cm2 = 14.223 psi]

Laboratory Technichian

Test Performed By

Vetted By

: RSRM 400 W.