

## MATERIAL TESTING LABORATORY **MILITARY ENGINEER SERVICES (MES)**

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

Job No Name of Client Ref Itr No Project Name Date of Collection : 209/19-20(Steel). : GE (Air) Chattogram. : 6005/38/34/E-6 Dt. 13 Oct' 2019. : CE(Air)/275 of 2017-2018. : Thursday, 17 October, 2019

Copy No. Sample Specimen Sample Grade Frog Mark

: Length 600 mm Dia 16mm

: 60

: 03

: Baizid 500+

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	Elong % (g leng	auge	Elong % (g	erage 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	0.63 16	0.642 16.306	0.3116 201.0619	1.102 1.639		25666.56 114.17	82358 568		30875.41 137.34	99072 683		17			
2	0.63 16	0.642 16.306	0.3116 201.0619	1.102 1.639	1.102 1.639	27413.33 121.94	87963 606	84628 583	32610.94 145.06	104641 721	101438 699	14.5		16	
3	0.63 16	0.642 16.306	0.3116 201.0619	1.102 1.639		26041.99 115.84	83563 576		31352 139.46	100601 694		17.5			

## **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	Minimum Standard Requirements (BDS/ISO				М									
6935-2:1991(E)			ASTM A 615 M			ASTM A 615 M			ASTM A 615/A 615 M				This is a computer genarated copy	
Grade	Y/strength		Elongation	Grade	Y/strength	Ult.Str	Grade	Y/strength	Ult.Str	Minimum El	ongation in 8"(2	203.2 mm)	GL (%)	No signature is required
	N/mm2 or	CAR S S CARANA	20045		psi	psi		Mpa	Mpa	10	13,16,19 mm	22,25	29,32,36	
	Мра	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)		7	7	6	

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

Test Performed By

Vetted By