

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 : 122/19-20(Steel) : AGE (Air) Cox'sbazar.

: CE Air/227 of 2017-2018/15/E-6 Dt. 04 September'2019.

: CE Air/227 of 2017-2018

: Thursday, 05 September, 2019

Copy No. Sample Specimen Sample Grade Frog Mark

: Length 600 mm Dia 12mm

: 60

: 02

: Baizid 400+

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	0.472 12	0.485 12.314	0.1753 113.0973	0.628 0.935		12485.95 55.54	71226 491		18877.3 83.97	107685 742		18.5			
2	0.472 12	0.485 12.314	0.1753 113.0973	0.628 0.935	0.628 0.935	12589.36 56	71816 495	70640 487	19178.54 85.31	109404 754	108788 750	18.5		19	
3	0.472 12	0.485 12.314	0.1753 113.0973	0.628 0.935		12074.55 53.71	68879 475		19156.06 85.21	109275 753		20.5			

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 6935-2:1991(E)				Minimum Standard Requirments(ASTM A615/A616M-96a)ASTM A 615 MASTM A 615 MASTM A 615 MASTM A 615/A 615 M									This is a computer genarated copy
Grade	Y/strength	Ult.Str	Elongation	Grade	Y/strength	Ult.Str	Grade	Y/strength	Ult.Str	Minimum Elongation in 8"(203.2 mm) GL (%)			GL (%)	No signature is required
	N/mm2 or Mpa	N/mm2 or Mpa	%		psi (kg/cm2)	psi (kg/cm2)		Mpa (kg/cm2)	Mpa (kg/cm2)	10 mm	13,16,19 mm	22,25 mm	29,32,36 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