

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 : 10/2021-2022(Steel)

: GE(Army) Chattogram.

: CEA/697 of 2019-2020/10/E-6 Dt.14 July'2021

: CEA/697 of 2019-2020

: Sunday, 18 July, 2021

Copy No.	
Sample Specimen	
Sample Grade	
Frog Mark	

: 04

: Length 600 mm Dia 20mm

: 60

: RSM B420 DWR

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		gation gauge gth)	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	0.787 20	0.792 20.119	0.4869 314.1593	1.677 2.496		32590.71 144.97	66929 461		42327.23 188.28	86924 599		21.5			
2	0.787 20	0.792 20.119	0.4869 314.1593	1.677 2.496	1.677 2.496	34018.25 151.32	69860 482	68394 472	45123.86 200.72	92667 639	90723 625	23.5		23	
3	0.787 20	0.792 20.119	0.4869 314.1593	1.677 2.496		33303.35 148.14	68392 471		45081.15 200.53	92579 638		23.5			

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		dard Requirements (BDS/ISOMinimum Standard Requirments(ASTM A615/A616M-96a)935-2:1991(E)ASTM A 615 MASTM 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 El	longation in 8"(2	203.2 mm)	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