

MATERIAL TESTING LABORATORY

MILITARY ENGINEER SERVICES (MES)

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

Job No : 32/2021-2022 (Steel). Copy No. : 02

Name of Client : GE (Army) South, Dhaka. Sample Specimen : Length 600 mm Dia 12mm

Ref Itr No : 6000/Misc/24/E-6 Dt. 17 Aug'2021. Sample Grade : 60

Project Name : CEA/513 of 2020-2021. Frog Mark : RSM B-420 DWR

Date of Collection : Wednesday, 25 August, 2021

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)	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	0.472 12	0.475 12.053	0.1753 113.0973	0.602 0.896		12265.63 54.56	69969 482		16073.92 71.5	91693 632		18			
2	0.472 12	0.475 12.053	0.1753 113.0973	0.602 0.896	0.602 0.896	12353.31 54.95	70469 486	71978 496	16141.36 71.8	92078 635	93536 645	15.5		16	
3	0.472 12	0.475 12.053	0.1753 113.0973	0.602 0.896		13234.56 58.87	75496 520		16975.4 75.51	96836 668		15.5			

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.

Minimum Standard Requirements (BDS/ISO 6935-2:1991(E)				Minimum Standard Requirments(ASTM A615/A616M-96a)									
				ASTM A 615 M			ASTM A 615 M			ASTM A 615/A 615 M			
Grade	Y/strength	Ult.Str	Elongation	Grade	Grade Y/strength Ult.Str Grade Y/strength Ult.			Ult.Str	Minimum Elongation in 8"(203.2 mm) GL (%)				
	N/mm2 or	CONTRACTOR OF THE PARTY OF THE	70275		psi	psi		Мра	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)		7	7	6

This is a computer genarated copy

No signature is required

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

Laboratory Technichian

Test Performed By

Vetted By