MATERIAL TESTING LABORATORY
MILITARY ENGINEER SERVICES (MES)
TEST RESULTS FOR TENSILE STRENGTH OF PLAIN/DEFORMED/RIBBED COLD TWISTED M.S. BARS

Job No	: 58/19-20(Steel).	Copy No.	: 05
Name of Client	: AGE (Air) Cox'sbazar.	Sample Specimen	: Length 600 mm Dia 25mm
Ref Itr No	: CE(Air)/323 of 2018-2019/06/E-6 Dt. 30 July 2019.	Sample Grade	: 60
Project Name	: CE(Air)/323 of 2018-2019.	Frog Mark	: Baizid 500 +
Date of Collection	: Thursday, 01 August, 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	Elongation % (gauge length)		Average Elongation % (gauge length)	
	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	0.984 25	0.991 25.176	0.7609 490.8739	2.626 3.908		57335.54 255.04	75357 520		76143.15 338.7	100076 690		25			
2	0.984 25	0.991 25.176	0.7609 490.8739	2.626 3.908	2.626 3.908	57659.27 256.48	75782 522	76096 525	76498.35 340.28	100543 693	100077 690	23.5		25	
3	0.984 25	0.991 25.176	0.7609 490.8739	2.626 3.908		58700.14 261.11	77150 532		75790.2 337.13	99612 687		25			

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	Y/strength	Ult.Str	Grade	Y/strength	Ult.Str	Minimum Elongation in 8"(203.2 mm) GL (%)			
	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

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