

Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To, Project Engineer Defence Housing Authority, Gujranwala

Reference # CED/TFL <u>1345 (Dr. M Rizwan Riaz)</u> Dated: 27-04-2022

Reference of the request letter # 111/15/PE/RS/Pkg-2B/337 Dated: 25-04-2022

Tension Test Report (Page -1/1)

Date of Test 28-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		/ Area (in²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	H %	R
1	0.368	3	0.371	0.11	0.108	4000	5300	80200	81420	106200	107900	1.10	13.8	eel
2	0.368	3	0.371	0.11	0.108	4200	5300	84200	85630	106200	108100	1.00	12.5	Batala Steel
3	4.233	10	1.259	1.27	1.244	37800	54600	65600	66960	94800	96800	1.60	20.0	Bats
4	4.201	10	1.254	1.27	1.235	36600	55600	63600	65340	96500	99300	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	te: only	four s	amples fo	or tensile	and two	samples	for bend	test			
							Bend T	est						
#3	Bar Ben	d Test T	Γhrough	180° is	s Satisfa	ctory								
#10	#10 Bar Bend Test Through 180° is Satisfactory													

I/C Testing Laboratoires UET Lahore, Pakistan.

- 1- You can See your reports On Internet in the following web site http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
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To,
Ittefaq Building Solutions Pvt. Ltd
Lahore
(Cotton Godowns Reliance Cotton Spinning Mill Ltd)

Reference # CED/TFL <u>1347</u>, <u>1350</u> (Dr. M Rizwan Riaz)

Reference of the request letter # IBS/CG/ 02 Dated: 27-04-2022

Tension Test Report (Page -1/1)

Date of Test 28-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Size		Size		Area (mm²)		Yield load	Breaking Load	Yield Stress (MPa)		Ultimate Stress (MPa)		Elongation	% Elongation	Remarks
S	(kg/m)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re				
1	0.317	6	7.17		40.35	1900	2400		462		584	1.4	17.5					
2	0.600	10	9.86	79.00	76.39	3800	4900	472	488	608	629	1.0	12.5					
-	ı	-	-	-	-	1	-	-	-	-	1	1	-					
-	ı	-	-	-	1	ı	-	-	-	-	ı	ı	1					
-	ı	-	-	-	-	-	-	-	-	-	-	-	1					
-		-	-	-	-	-	-	-	-	_	-	-	-					
			No	te: onl	y two sa	amples fo	r tensile	and two	samples	for bend	test							
							Bend T	est										
6m	6mm Dia Bar Bend Test Through 180° is Satisfactory																	

10mm Dia Bar Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 27-04-2022

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Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To, M/S Redo Engineering & Construction (Pvt.) Ltd Lahore

Reference # CED/TFL <u>1348 (Dr. M Rizwan Riaz)</u>

Reference of the request letter # Nil

Dated: 27-04-2022

Tension Test Report (Page -1/1)

Date of Test 28-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Diameter/ Size		Area (in²)		Yield load Breaking Load		Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks	
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	₩ E	Re
1	0.371	3	0.373	0.11	0.109	3400	4800	68200	68750	96200	97100	0.80	10.0	
2	0.377	3	0.376	0.11	0.111	3600	4900	72200	71600	98200	97500	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Ī	No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test	1		
							D 1 =							
#3	Bar Ben	d Test	Γhrough	n 180° is	s Satisfa	ctory	Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

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Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan, Ph: 92-42-99029202

To, Construction Manager Projects UFD Engineers and Contractor (Pvt) Ltd Pelican Mall, DHA Bahawalpur

Reference # CED/TFL 1349 (Dr. M Rizwan Riaz)

Reference of the request letter # UFD/BM/PM/MALL/005

Dated: 27-04-2022

Dated: 26-04-2022

Tension Test Report (Page -1/1)

Date of Test 28-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	M Diameter/		Area (inch²)		Yield load	Breaking Load	Yield Stress (Psi)		Ultimate Stres (Psi)		Elongation	% Elongation	Remarks
S	(kg/m)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	™ %	Re
1	0.373	3	0.374	0.11	0.110	3100	4300	62200	62350	86200	86500	1.20	15.0	FF Steel
2	0.374	3	0.374	0.11	0.110	3100	4300	62200	62230	86200	86400	1.00	12.5	FF Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est est						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ctory								

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To, Construction Manager Projects UFD Engineers and Contractor (Pvt) Ltd Pelican Mall, DHA Bahawalpur

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S	(kg/m)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.373	3	0.374	0.11	0.110	3100	4300	62200	62350	86200	86500	1.20	15.0	FF Steel
2	0.374	3	0.374	0.11	0.110	3100	4300	62200	62230	86200	86400	1.00	12.5	FF Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est est						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ctory								

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