



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

To,
 Senior Resident Engineer
 ProMag Pvt Ltd
 Construction of Bilal Mosque (Villas Community DHA Multan)
 (FF Steel)

Reference # CED/TFL **34003** (Dr. Ali Ahmed)
 Reference of the request letter # CRE/Villas/341

Dated: 14-10-2019
 Dated: 12-10-2019

Tension Test Report (Page -1/1)

Date of Test 15-10-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.427	10	10.15	0.12	0.125	4300	5400	78998	75600	99207	95000	1.30	16.3	
2	0.426	10	10.15	0.12	0.125	4300	5400	78998	75630	99207	95000	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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To,
DCRE/RE-1
Zeeruk International (Pvt) Ltd
Lahore Sialkot Motorway Project

Reference # CED/TFL **34004** (Dr. Ali Ahmed)
Reference of the request letter # LSM/RE-1/2019/1144

Dated: 14-10-2019

Dated: 14-10-2019

Tension Test Report (Page – 1/1)

Date of Test 15-10-2019

Gauge length -----

Description Chain Link Mesh Wire and Tension Wire Tensile Test

Sr. No.	Diameter of Single Wire	Breaking Load	Remarks
	(mm)	(kN)	
1	3.00	4.90	Chain Link Mesh Wire
2	3.00	4.50	
3	3.10	6.35	Tension Wire
4	3.10	6.55	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Only Four Samples for Test			

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To,
 Project Manager
 Ibrahim Fiberes Limited
 IFL Textile Plant 4 (Godown Block 2)
 (Abaseen Construction Company)

Reference # CED/TFL **34005** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 14-10-2019
 Dated: 13-10-2019

Tension Test Report (Page -1/1)

Date of Test 15-10-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.408	3/8	0.391	0.11	0.120	4600	5700	92200	84630	114300	104900	0.90	11.3	
2	0.399	3/8	0.387	0.11	0.117	3900	5000	78200	73250	100200	94000	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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To,
M/S Haris & Company
Lahore
(Edotoc B2S Project)

Reference # CED/TFL **34007** (Dr. Ali Ahmed)
Reference of the request letter # Nil

Dated: 14-10-2019
Dated: 14-10-2019

Tension Test Report (Page -1/1)

Date of Test 15-10-2019
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.402	10	9.85	0.12	0.118	4100	5600	75324	76540	102881	104600	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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To,
 GM
 Professional Construction Services (Pvt) Ltd
 Construction of ABL L.D.A. Avenue Lahore

Reference # CED/TFL **34010** (Dr. Ali Ahmed)
 Reference of the request letter # PCS/19/Eng-70

Dated: 14-10-2019
 Dated: 14-10-2019

Tension Test Report (Page -1/1)

Date of Test 15-10-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.419	3	0.396	0.11	0.123	4400	5600	88200	78760	112300	100300	0.90	11.3	
2	0.422	3	0.398	0.11	0.124	4300	5500	86200	76370	110200	97700	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

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To,
 IC QA/QC
 Descon Engineering Ltd
 7700 TPD-Pioneer Cement Project (CP.10055)
 (ASGS Steel)

Reference # CED/TFL **34011** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 14-10-2019
 Dated: 14-10-2019

Tension Test Report (Page -1/1)

Date of Test 15-10-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.412	10	9.97	0.12	0.121	4700	5600	86347	85630	102881	102100	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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To,
 Project Manager
 Liberty Builders
 Construction of Zee Avenue – Ramada Hotel & Suites 17-A Cooper Road, Lahore
 (Model Power)

Reference # CED/TFL **34015** (Dr. Ali Ahmed)
 Reference of the request letter # CONC-20190715

Dated: 15-10-2019
 Dated: 15-10-2019

Tension Test Report (Page -1/1)

Date of Test 15-10-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	3	0.372	0.11	0.109	3600	5000	72200	73120	100200	101600	0.90	11.3	
2	0.375	3	0.375	0.11	0.110	4200	5300	84200	83980	106200	106000	0.80	10.0	
3	0.358	3	0.366	0.11	0.105	3300	4500	66200	69190	90200	94400	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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