



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

To,
 Design Manager
 Premium Engineering
 Fast Cables (Pvt.) Ltd. Production Hall Shed Construction

Reference # CED/TFL **32960** (Dr. Qasim Khan)
 Reference of the request letter # Nil

Dated: 08-06-2020
 Dated: 08-06-2020

Tension Test Report (Page – 1/2)

Date of Test 15-06-2020
 Gauge length 2 inches
 Description Steel Plate & G.I Steel Strip Tensile Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)		(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	Plate	4	32.60x3.90	127.14	6100	7700	470.67	594.12	0.70	35.00	
2	Plate	5	32.50x5.20	169.00	6800	9300	394.72	539.84	0.70	35.00	
3	Plate	6	32.70x5.90	192.93	7400	9400	376.27	477.97	0.80	40.00	
4	Plate	8	32.70x8.10	264.87	10200	12700	377.78	470.37	0.80	40.00	
5	Plate	10	32.60x10.00	326.00	12500	17100	376.15	514.57	0.80	40.00	
6	Plate	16	32.70x16.00	523.20	21400	27200	401.25	510.00	0.70	35.00	
7	G.I	1.50	32.70x1.50	49.05	1080	2040	216.00	408.00	0.70	35.00	
Only Seven Samples for Tensile Test											
Bend Test											

I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

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To,
Design Manager
Premium Engineering
Fast Cables (Pvt.) Ltd. Production Hall Shed Construction

Reference # CED/TFL **32960** (Dr. Qasim Khan)
Reference of the request letter # Nil

Dated: 08-06-2020
Dated: 08-06-2020

Tension Test Report (Page – 2/2)

Date of Test 15-06-2020
Gauge length -----
Description Cable Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Yield Load	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	(kg)	
1	10	0.300	-----	5100	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
Only one sample for Test					

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To,
 Resident Engineer
 AZEA Sialkot
 Rehabilitation / Improvement of Sialkot – Marala Road (Length = 5.00 km) in District Sialkot

Reference # CED/TFL **34976** (Dr. Qasim Khan) Dated: 12-06-2020
 Reference of the request letter # AZEA/SIALKOT/ADP/20/007 Dated: 11-06-2020

Tension Test Report (Page -1/1)

Date of Test 15-06-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.404	3/8	0.389	0.11	0.119	3300	4700	66200	61260	94200	87300	1.30	16.3	Mughal Steel
2	0.405	3/8	0.389	0.11	0.119	3300	4700	66200	61060	94200	87000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
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To,
 Chairman
 Abdulhameed Rehmatullah Benevolent Trust (ARBT)
 432-K, Phase 5, DHA, Lahore
 (Orphan Residence Project)

Reference # CED/TFL **34978** (Dr. Qasim Khan)
 Reference of the request letter # ARBT/1/2020

Dated: 12-06-2020
 Dated: 11-06-2020

Tension Test Report (Page -1/1)

Date of Test 15-06-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.395	3/8	0.385	0.11	0.116	3700	5000	74200	70180	100200	94900	1.10	13.8	Mughal Iron
2	0.357	3/8	0.365	0.11	0.105	3900	5000	78200	81960	100200	105100	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
M.E
AS Enterprises
Style Textile Manga/ Style Textile Rewind
(AA Associates)

Reference # CED/TFL **34979** (Dr. Qasim Khan)
Reference of the request letter # USD/ASE/22

Dated: 12-06-2020
Dated: 11-06-2020

Tension Test Report (Page -1/1)

Date of Test 15-06-2020
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.402	10	9.85	0.12	0.118	4000	5000	73487	74660	91858	93400	0.90	11.3	Agha Steel
2	0.405	10	9.89	0.12	0.119	3800	4800	69812	70320	88184	88900	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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To,
 Assistant Executive Engineer-III
 Central Civil Division N.II
 Pak. P.W.D., Lahore
 Construction of International Hostel and Class Room at DOT Complex Allama Iqbal Town,
 Lahore
 Reference # CED/TFL **34980** (Dr. Qasim Khan) Dated: 12-06-2020
 Reference of the request letter # AEE-I/LCCD-II/50 Dated: 08-06-2020

Tension Test Report (Page -1/1)

Date of Test 15-06-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.363	3/8	0.368	0.11	0.107	3500	4600	70200	72360	92200	95100	1.10	13.8	
2	0.363	3/8	0.369	0.11	0.107	3500	4600	70200	72220	92200	95000	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

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To,
 Asst. Resident Engineer
 NESPAK
 Construction of Flyover at Feroza Railway Station in District Rahim Yar Khan

Reference # CED/TFL **34981** (Dr. Qasim Khan) Dated: 12-06-2020
 Reference of the request letter # 3892/1ADP1920/Rahim Yar Khan/WA/91A Dated: 16-03-2020

Tension Test Report (Page -1/1)

Date of Test 15-06-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.395	3	0.385	0.11	0.116	3300	5100	66200	62590	102200	96800	1.10	13.8	SGI
2	0.370	3	0.372	0.11	0.109	3100	4700	62200	62750	94200	95200	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Dia Bar Bend Test Through 180° is Satisfactory														

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To,
 Chief Operating Officer
 Chem Coats (Pvt) Ltd
 (Naveena Denim Limited)

Reference # CED/TFL **34983** (Dr. Qasim Khan)
 Reference of the request letter # cc-14-11B-06-20

Dated: 15-06-2020
 Dated: 15-06-2020

Tension Test Report (Page -1/1)

Date of Test 15-06-2020
 Gauge length 2 inches
 Description Plain Steel Bar Tensile and Bend Test

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.422	10	10.10	0.12	0.124	2500	3600	45929	44400	66138	64000	0.70	35.0	
2	0.413	10	9.99	0.12	0.122	2400	3500	44092	43540	64301	63500	0.70	35.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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