



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

To,

Assistant Project Director
 PMU – SBP, Lahore
 “Up-Gradation of Sport Facilities in Punjab at one Up Gradation of Nishter Park Sports Complex, Lahore ‘GS No. 322’”

Reference # CED/TFL **2778** (Dr. Ali Ahmed)

Dated: 14-02-2023

Reference of the request letter # APD/PMU/SBP/LHR/23/490

Dated: 02-02-2023

Tension Test Report (Page -1/1)

Date of Test 15-02-2023

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	0.368	3/8	0.371	0.11	0.108	3300	4600	66200	67260	92200	93800	1.60	20.0	
2	0.371	3/8	0.372	0.11	0.109	3300	4600	66200	66790	92200	93100	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 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
2. The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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To,

Sr. Manager Projects
 Izhar Construction (Pvt) Ltd
 Construction of Mixes-Used Commercial DB-32 at DHA Phase # 3, Lahore

Reference # CED/TFL **2780** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 14-02-2023
 Dated: 13-02-2023

Tension Test Report (Page -1/1)

Date of Test 15-02-2023
 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	5.276	11	1.405	1.56	1.551	48600	68600	68700	69080	97000	97600	1.50	18.8	SJ Steel
2	5.283	11	1.406	1.56	1.553	46000	66800	65000	65300	94400	94900	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#11 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Muddasir Ali
 Lahore

Reference # CED/TFL **2782** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 14-02-2023
 Dated: 14-02-2023

Tension Test Report (Page -1/1)

Date of Test 15-02-2023
 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	0.369	3	0.371	0.11	0.108	3300	4800	66200	67120	96200	97700	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 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,
 Planning & Coordination Engineer
 Construct
 Dr. Khalid Waheed's RETINA Eye Clinic

Reference # CED/TFL **2783** (Dr. Ali Ahmed)
 Reference of the request letter # LT/PEC/PT/230214

Dated: 14-02-2023
 Dated: 14-02-2023

Tension Test Report (Page -1/1)

Date of Test 15-02-2023
 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	0.352	3	0.363	0.11	0.103	3600	4500	72200	76720	90200	95900	1.10	13.8	Mughal Steel
2	0.356	3	0.365	0.11	0.105	3600	4500	72200	75910	90200	94900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

M/S G3 Engineering Consultants (Pvt) Ltd
Lahore
(GC Women University Sialkot)

Reference # CED/TFL **2784** (Dr. Ali Ahmed)
Reference of the request letter # RE/GCWU/30

Dated: 14-02-2023
Dated: 08-02-2023

Tension Test Report (Page -1/1)

Date of Test 15-02-2023
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	0.389	3	0.381	0.11	0.114	3600	5000	72200	69420	100200	96500	1.40	17.5	
2	0.388	3	0.381	0.11	0.114	3600	5000	72200	69510	100200	96600	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

Add: Executive Engineer
 T/L 'C' GC Division GSC MEPCO
 Multan
 (Construction of Pole Foundation for Completion of 132-kV Double IIN/ OUT T/ Line
 (Rail / Lynx Conductor) for DHA Grid Station Multan from Existing 132-kV T/ Line
 PGHS – Man Kot (Deposit Work).

Reference # CED/TFL **2785** (Dr. Ali Ahmed)
 Reference of the request letter # 80-83

Dated: 14-02-2023
 Dated: 23-01-2023

Tension Test Report (Page -1/1)

Date of Test 15-02-2023
 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	0.420	10	10.07	0.12	0.123	3500	4500	64301	62490	82673	80400	1.70	21.3	AF Steel
2	0.415	10	10.01	0.12	0.122	3400	4400	62464	61460	80835	79600	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
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Pakistan. Ph: 92-42-99029202

To,

Executive Engineer
 Highway Division
 Faisalabad
 (Construction of Dual Carriage Road from M.S Motorway Sammundari Interchange to
 Sammundari City, Length = 9.50 km)

Reference # CED/TFL **2786** (Dr. Ali Ahmed)
 Reference of the request letter # 108043/CB

Dated: 14-02-2023
 Dated: 24-12-2022

Tension Test Report (Page -1/1)

Date of Test 15-02-2023
 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	3700	5000	74200	70230	100200	94900	1.30	16.3	
2	0.395	3	0.385	0.11	0.116	3700	5000	74200	70180	100200	94900	1.10	13.8	
3	4.353	10	1.276	1.27	1.280	41200	56000	71500	70970	97200	96500	1.60	20.0	
4	4.354	10	1.277	1.27	1.280	41400	56200	71900	71290	97600	96800	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#10 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

Resident Engineer
Associates Consulting Engineers ACE Limited
Construction Academic Block, GC University (KSK) Campus

Reference # CED/TFL **2787** (Dr. Qasim Khan)
Reference of the request letter # RE/GCU(KSK)/T-2010/01

Dated: 15-02-2023
Dated: 13-02-2023

Tension Test Report (Page -1/1)

Date of Test 15-02-2023
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	0.371	3	0.373	0.11	0.109	3490	4790	70000	70520	96000	96800	1.60	20.0	Sheikhoo Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

Lead Civil
M/S StarchPack (Private) Limited
StarchPack Greenfield Project at Kasur.

Reference # CED/TFL **2789** (Dr. M Kashif)
Reference of the request letter # Nil

Dated: 15-02-2023
Dated: 15-02-2023

Tension Test Report (Page -1/1)

Date of Test 15-02-2023
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	0.409	10	9.94	0.12	0.120	4200	5100	77161	77020	93696	93600	1.00	12.5	
2	0.409	10	9.94	0.12	0.120	4200	5200	77161	77020	95533	95400	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratories
UET Lahore, Pakistan.

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