



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

To,
 Deputy Director (Engg)
 LDA, Lahore
 (Construction of 200 Bus Stop Shelters Including Bus Information and Scheduling System in Lahore)
 Reference # CED/TFL **1218** (Dr. Usman Akmal)
 Reference of the request letter # DD(Engg.)/LDA/16

Dated: 06-04-2022
 Dated: 01-04-2022

Tension Test Report (Page – 1/2)

Date of Test 21-04-2022
 Gauge length 2 inches
 Description Structure Steel / MS Pipe Square Type Steel Strip Tensile Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)										
1	MS Pipe Square	1.5	19.15x1.10	21.07	-----	1360	-----	633	0.10	5.00	
2	MS Pipe Square	3	35.00x1.40	49.00	-----	2440	-----	488	0.50	25.00	
3	MS Pipe Square	4	37.00x2.40	88.80	-----	4900	-----	541	0.40	20.00	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only Three Samples for Tensile Test											
Bend Test											

I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
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Pakistan. Ph: 92-42-99029202

To,
Deputy Director (Engg)
LDA, Lahore
(Construction of 200 Bus Stop Shelters Including Bus Information and Scheduling System in Lahore)

Reference # CED/TFL **1218** (Dr. Usman Akmal)
Reference of the request letter # DD(Engg.)//LDA/16

Dated: 06-04-2022
Dated: 01-04-2022

Weight & Size Test Report (Page – 2/2)

Date of Test 21-04-2022
Description Structure Steel / MS Pipe Square Type Weight and Size Test

Sr. No.	Designation		Weight	Length	Weight per Unit Length	Outer Dimension		Thickness	Remark
						X	Y		
	(mm)		(g)	(mm)	(kg/m)	(mm)	(mm)	(mm)	
1	MS Pipe Square Type	1.5	183	133.05	1.38	38.60	38.20	1.30	
2	MS Pipe Square Type	3	696	209.75	3.32	75.80	76.00	2.20	
3	MS Pipe Square Type	4	1169	157.40	7.43	101.50	101.20	2.70	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
Only Three Samples for Test									

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Ref: CED/TFL/04/1252

Dated: 13-04-2022

Date of Test: 22-04-2022

To

Resident Engineer
MM Pakistan (Pvt) Ltd
Kachhi Canal Project – Contract KC-6B (2R) Construction of Main Canal and Distribution System (Earthwork, Structures and Lining of Main Canal & Distributaries) from RD 1193+000 to RD 1252+000)
of Flyover and At-Grade Improvement at Shahkaam Chowk Lahore

Subject: - TEST RESULT REPORT FOR BEARING DEVICE (PAD)
as per AASHTO M-125-06 (Page – 1/1)

Reference to your letter no. KCB/RE-6B(2R)/35'', Dated: 07/04/2022 on the above mentioned subject. One Elastomeric Bearing Rubber Pad (EBRP) has been received by us. The same was tested and results are given below.

Laboratory : TEST FLOOR LAB
Machine : SHIMADZU
Sample No. : 1/1
Dimensions of EBRP : 558 x 299 x 41.72 mm

TEST RESULTS - SHORT DURATION

Load Duration : 5+5 minutes
Test Load : 77 TONS
Bulging Pattern : Uniform Buldging.
Laminated Parallelism : Parallel
Cracks : No crack is observed

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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Ref: CED/TFL/04/1276

Dated: 18-04-2022

Dated of Test: 21-04-2022

To

CEO

Gulshan-E-Habib Housing Society

Development of Gulshan-E-Habib Housing Society, Lahore

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a]** (Page -1/1)

Reference to your letter No. GHHS/04-2022/0007, dated 04.04.2022 on the subject cited above. One R.C.C. Pipe as received by us has been tested. The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(foot)	(foot)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	15	7.71	7.32	23.19	17.91	2.64	14700	16100	2968	3251

I/C Testing Laboratoires
UET Lahore, Pakistan.

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

To,
Resident Engineer
Osman & Company (Pvt) Ltd
Construction of Greenfield Aerodrome for General Aviation Activities at Muridke

Reference # CED/TFL **1284** (Dr. Usman Akmal)

Dated: 19-04-2022

Reference of the request letter # OCL/CAA/MAD-RE/4-2K22/045

Dated: 14-04-2022

Tension Test Report (Page – 1/2)

Date of Test 21-04-2022

Gauge length -----

Description Chain Link Fabric Wire Tensile Test

Sr. No.	Measure Diameter of Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	3.00	320	3.14	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one Sample for Test				

I/C Testing Laboratories
UET Lahore, Pakistan.

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

To,
Resident Engineer
Osman & Company (Pvt) Ltd
Construction of Greenfield Aerodrome for General Aviation Activities at Muridke

Reference # CED/TFL **1284** (Dr. Usman Akmal)
Reference of the request letter # OCL/CAA/MAD-RE/4-2K22/046

Dated: 19-04-2022
Dated: 14-04-2022

Tension Test Report (Page – 2/2)

Date of Test 21-04-2022
Gauge length -----
Description Tension Wire Tensile Test

Sr. No.	Measure Diameter of Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	3.00	320	3.14	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one Sample for Test				

I/C Testing Laboratories
UET Lahore, Pakistan.

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Pakistan. Ph: 92-42-99029202

To,
 Project Manager
 OMBRe' Holding Pvt Ltd Raiwind, Lahore
 (Izhar Construction (Pvt) Ltd)

Reference # CED/TFL 1287 (Dr. Usman Akmal)
 Reference of the request letter # OMBRe'/Ittefaq/Steel/005

Dated: 19-04-2022
 Dated: 19-04-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.404	10	9.88	0.12	0.119	3800	5700	69812	70510	104719	105800	1.10	13.8	Ittefaq Steel
2	0.401	10	9.84	0.12	0.118	3800	5700	69812	71010	104719	106600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two sample 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.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
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To,
 Sub Divisional Officer
 Building Sub Division
 Shujabad
 (Up-Gradation of 09 Civil Veterinary Hospital at Divisional Level in Punjab (01 Civil Veterinary Hospital Multan))
 Reference # CED/TFL 1288 (Dr. Usman Akmal) Dated: 19-04-2022
 Reference of the request letter # 542/Shujabad Dated: 12-01-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.377	3/8	0.376	0.11	0.111	4300	5200	86200	85540	104200	103500	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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,
 Site Incharge
 Canal Valley
 Construction of O.W.T at Canal Valley Phase-2, Lahore

Reference # CED/TFL 1289 (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 19-04-2022
 Dated: 19-04-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.365	3	0.370	0.11	0.107	3400	5100	68200	69770	102200	104700	1.20	15.0	
2	0.364	3	0.369	0.11	0.107	3300	5100	66200	67970	102200	105100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two 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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University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
Ittefaq Building Solutions Pvt. Ltd
Lahore
(Nisar Spinning Mill Raiwind, Lahore)

Reference # CED/TFL **1291** (Dr. Usman Akmal)
Reference of the request letter # IBS/NSM/ST 02

Dated: 19-04-2022
Dated: 19-04-2022

Tension Test Report (Page -1/2)

Date of Test 21-04-2022
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (kg/m)	Diameter/ Size (mm)		Area (mm ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (MPa)		Ultimate Stress (MPa)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.576	10	9.66	79.00	73.33	4100	5600	509	549	695	749	0.9	11.3	
2	0.567	10	9.59	79.00	72.17	4000	5400	497	544	671	734	0.9	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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Pakistan. Ph: 92-42-99029202

To,
Ittefaq Building Solutions Pvt. Ltd
Lahore
(Nisar Spinning Mill Raiwind, Lahore)

Reference # CED/TFL 1291 (Dr. Usman Akmal)
Reference of the request letter # IBS/NSM/ST 01

Dated: 19-04-2022
Dated: 19-04-2022

Tension Test Report (Page -2/2)

Date of Test 21-04-2022
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (kg/m)	Diameter/ Size (mm)		Area (mm ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (MPa)		Ultimate Stress (MPa)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.603	10	9.89	79.00	76.77	4100	5500	509	524	683	703	0.8	10.0	
2	0.616	10	9.99	79.00	78.42	4300	5600	534	538	695	700	1.1	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

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Test Floor Laboratory
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To,
 Sub Divisional Officer
 Building Sub Division
 Nankana Sahib

Reference # CED/TFL **1293** (Dr. Usman Akmal)
 Reference of the request letter # 1049/SDO/BSD/NNS

Dated: 19-04-2022
 Dated: 09-04-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.380	3/8	0.377	0.11	0.112	3300	4900	66200	65060	98200	96600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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

To,
M/S Amanah Noor Residence
Wapda Town, Lahore

Reference # CED/TFL **1294 (Dr. Usman Akmal)**
Reference of the request letter # Nil

Dated: 20-04-2022

Dated: 20-04-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
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	0.358	3	0.366	0.11	0.105	3500	5000	70200	73260	100200	104700	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 Laboratories
UET Lahore, Pakistan.

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To,
 A/XEN E&M
 GE (Air) Rafiqui
 (Establishment of avionics 'I' level test setup for JF-17 Aircraft at PAF Base Rafiqui CA No. CAEF-CZ-15/2022)

Reference # CED/TFL **1295** (Dr. Usnman Akmal)
 Reference of the request letter # 6547/64/E-6

Dated: 20-04-2022
 Dated: 19-04-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.375	3/8	0.375	0.11	0.110	3800	4800	76200	75980	96200	96000	1.10	13.8	
2	0.375	3/8	0.375	0.11	0.110	4000	4900	80200	79900	98200	97900	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:

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- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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

To,
 A/XEN E&M
 GE (Air) Rafiqui
 (Extension of No. 14 MR Sqn HQ Building at PAF Base Rafiqui CA No. CAEF-CZ-09/2022)

Reference # CED/TFL **1296** (Dr. Usnman Akmal)
 Reference of the request letter # 6529/45/E-6

Dated: 20-04-2022
 Dated: 19-04-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.376	3/8	0.375	0.11	0.111	3600	4600	72200	71780	92200	91800	0.90	11.3	
2	0.379	3/8	0.377	0.11	0.112	3800	4700	76200	75110	94200	92900	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:

- 1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 Director Project
 Innovative ® Construction Company
 Feiday Food Faisalabad

Reference # CED/TFL 1297 (Dr. Usman Akmal)
 Reference of the request letter # ICL/NF/FFF/01/02

Dated: 20-04-2022
 Dated: 20-04-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.405	3	0.389	0.11	0.119	3800	5000	76200	70330	100200	92600	1.10	13.8	
2	0.401	3	0.387	0.11	0.118	3800	5200	76200	71070	104200	97300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two 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.

Note:

- 1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
Resident Engineer
NESPAK
Dhudail Bypass Road Project 0+000 to 6+458

Reference # CED/TFL **1298** (Dr. Usman Akmal)
Reference of the request letter # LAB/DBP-FENCE/08

Dated: 20-04-2022
Dated: 20-04-2022

Tension Test Report (Page – 1/1)

Date of Test 21-04-2022
Gauge length -----
Description Fence Wire Tensile Test

Sr. No.	Measure Diameter of Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	3.10	320	3.14	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one Sample for Test				

I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

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

To,
 Resident Engineer
 NESPAK
 Construction of Boys Hostel, Girls Hostel & Bachelor Faculty Hostel at New Campus of Ghazi
 University, Dera Ghazi Khan

Reference # CED/TFL **1299** (Dr. Usman Akmal)
 Reference of the request letter # 4026/325/MU/Misc/20

Dated: 20-04-2022
 Dated: 19-04-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.411	3	0.392	0.11	0.121	3700	5500	74200	67550	110200	100400	1.10	13.8	SJ Steel
2	0.407	3	0.390	0.11	0.120	3700	5400	74200	68200	108200	99600	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two sample for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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

To,
 Sub Divisional Officer
 Building Sub Division No. 10
 Lahore
 (Construction of Residential Accommodation for Police Officer/ Official. BS-18-19 = 02-Nos & BS-20 & Above = 03-Nos in Lahore)

Reference # CED/TFL **1301** (Dr. Usnman Akmal)
 Reference of the request letter # 1288/10th

Dated: 20-04-2022
 Dated: 19-02-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.365	3/8	0.369	0.11	0.107	3200	4600	64200	65830	92200	94700	1.30	16.3	
2	0.376	3/8	0.375	0.11	0.111	3300	5300	66200	65760	106200	105700	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														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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2. The above results pertain to sample /samples supplied to this laboratory.
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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 GM
 Professional Construction Services (Pvt) Ltd.
 TCF Secondary School (Ext.) at AES Lalpir Qasba Gujrat, Muzaffargarh

Reference # CED/TFL **1302** (Dr. Usman Akmal)
 Reference of the request letter # PCS/22/Eng-36-A

Dated: 20-04-2022
 Dated: 14-04-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.381	3	0.378	0.11	0.112	3700	4700	74200	72750	94200	92500	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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.

Note:

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

To,
 Resident Engineer
 ACE
 Establishment of Daanish School (Boys & Girls) at Mankera District Bhakkar (M/s ZKH&B)

Reference # CED/TFL **1303** (Dr. Usman Akmal) Dated: 20-04-2022
 Reference of the request letter # ACE/RE-PDS/MNK/BHK/22/508 Dated: 29-03-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.418	3/8	0.395	0.11	0.123	3800	4600	76200	68220	92200	82600	1.20	15.0	
2	0.419	3/8	0.396	0.11	0.123	3700	4600	74200	66190	92200	82300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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.

Note:

- 1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

Ref: CED/TFL/04/1304

Dated: 20-04-2022

Dated of Test: 21-04-2022

To

GM Development
Vision Developers Pvt. Ltd.
Park View City Lahore

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a]**

Reference to your letter No. Nil, dated 19.04.2022 on the subject cited above. Two R.C.C. Pipes as received by us have been tested. The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(inch)	(inch)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	9	7.76	7.29	12.44	8.82	1.81	14500	18500	5966	7611
2	9	7.74	7.28	12.52	8.80	1.86	14900	19000	6152	7845

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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

To,
 Resident Engineer
 G3 Engineering Consultants (Pvt) Ltd
 Consultancy Services for Master Planning, Designing and Construction Supervision
 Strengthening of University of Narowal

Reference # CED/TFL **1306** (Dr. Usman Akmal)
 Reference of the request letter # G3/UON-RE/112

Dated: 21-04-2022
 Dated: 24-03-2022

Tension Test Report (Page -1/1)

Date of Test 21-04-2022
 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	0.372	3	0.373	0.11	0.109	3000	4900	60200	60530	98200	98900	1.00	12.5	SGI Steel
2	0.367	3	0.370	0.11	0.108	2900	4700	58200	59300	94200	96200	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two 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.

Note:

- 1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

I/C Testing Laboratories
UET Lahore, Pakistan.

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