



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
 Construction of DHA Newlife Residency Apartments at 273/1 Q Block Phase-IIDHA,
 Lahore

Reference # CED/TFL **3990** (Dr. Usman Akmal)
 Reference of the request letter # G3/DHA-NLD/RE/186

Dated: 02-10-2023
 Dated: 27-09-2023

Tension Test Report (Page -1/1)

Date of Test 03-10-2023
 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	0.386	3	0.380	0.11	0.113	3900	5100	78200	75790	102200	99200	1.00	12.5	AF Steel
2	0.382	3	0.378	0.11	0.112	4000	5200	80200	78540	104200	102100	0.90	11.3	
2	0.384	3	0.379	0.11	0.113	3900	5200	78200	76130	104200	101500	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three 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.

Note:

- 1- You can See your reports On Internet in the following web site
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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



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To,

Technical Executive
The Inspectians
Ali Hajvery Medecal Complex and Dialysis Centre at Jia Bagga Village, Lahore

Reference # CED/TFL **3991** (Dr. Usman Akmal)
Reference of the request letter # TI-UET-OCT-23-08

Dated: 02-10-2023
Dated: 02-10-2023

Tension Test Report (Page -1/1)

Date of Test 03-10-2023
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	0.371	3	0.373	0.11	0.109	3700	5000	74200	74830	100200	101200	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Project Manager
 Q-Links Construction
 Construction Jasmine Grand Mall Bahria Town, Lahore

Reference # CED/TFL **3992** (Dr. Usman Akmal)
 Reference of the request letter # SEP-LTR-016

Dated: 02-10-2023
 Dated: 27-09-2023

Tension Test Report (Page -1/1)

Date of Test 03-10-2023
 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	0.380	3	0.377	0.11	0.112	3400	5000	68200	67160	100200	98800	1.10	13.8	SJ Gujjar
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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Test Floor Laboratory
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To,

AM / SDO
Punjab Aab-e-Pak Authority
Dera Ghazi
(Provision of Safe Drinking Water in Murghai Cluster 07 District Rajanpur.)

Reference # CED/TFL **3993** (Dr. Usman Akmal)

Dated: 02-10-2023

Reference of the request letter # DM(P&C)/PAPA-DG Khan/445

Dated: 26-09-2023

Tension Test Report (Page -1/1)

Date of Test 03-10-2023

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	0.383	3/8	0.379	0.11	0.113	3600	4600	72200	70460	92200	90100	0.90	11.3	
2	0.389	3/8	0.381	0.11	0.114	3800	4900	76200	73290	98200	94500	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one samples 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,
 Material Engineer
 Banu Mukhtar Contracting (Pvt) Ltd
 Burj – 1 by Ajwa Builders.

Reference # CED/TFL **3994** (Dr. Usman Akmal)
 Reference of the request letter # DOC-BMC/AJWA/116

Dated: 02-10-2023
 Dated: 02-10-2023

Tension Test Report (Page -1/1)

Date of Test 03-10-2023
 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	4.284	10	1.266	1.27	1.259	41200	56600	71500	72110	98300	99100	1.60	20.0	
2	4.275	10	1.265	1.27	1.257	41600	56800	72200	72970	98600	99700	1.60	20.0	
3	4.201	10	1.254	1.27	1.235	37400	53200	65000	66750	92400	95000	1.60	20.0	
4	4.215	10	1.256	1.27	1.239	38400	54000	66700	68320	93800	96100	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#10 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,

Construction Manager
Elite Engineering Pvt. Ltd.
WB-10-B Extension Works at 220 kVA University Grid Station Bara Kahu, Islamabad

Reference # CED/TFL **3996** (Dr. Asad Ali)
Reference of the request letter # EEPL/08/EL-05

Dated: 02-10-2023
Dated: 02-10-2023

Tension Test Report (Page -1/1)

Date of Test 03-10-2023
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	0.393	3	0.383	0.11	0.116	3310	4910	66400	63170	98400	93700	1.50	18.8	Aziz Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

Witness by Sohaib Ali (Sub-Engineer NESPAK) and Naveed Iqbal (Elite Company)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

Sub Divisional Officer
Highway Sub Division
Jhang
(Special Repair Redacking of Bridge over Sobagha Drain at RD 49+442 on Jhang
Sahiwal Sargodha Road District Jhang.)

Reference # CED/TFL **3997** (Dr. Usman Akmal)
Reference of the request letter # 991

Dated: 02-10-2023
Dated: 16-09-2023

Tension Test Report (Page -1/1)

Date of Test 03-10-2023
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	0.389	3/8	0.382	0.11	0.114	3400	4800	68200	65480	96200	92500	1.20	15.0	
2	0.381	3/8	0.377	0.11	0.112	3400	4700	68200	66980	94200	92600	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one samples for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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To,
 Zaheer Iqbal Architects
 Cavalary Ground, Cantt. Lahore

Reference # CED/TFL **3999** (Dr. Asad Ali)
 Reference of the request letter # Nil

Dated: 03-10-2023
 Dated: 03-10-2023

Tension Test Report (Page -1/1)

Date of Test 03-10-2023
 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	0.367	3/8	0.371	0.11	0.108	3740	4860	75000	76420	97400	99400	0.90	11.3	
2	0.368	3/8	0.371	0.11	0.108	3720	4860	74600	75820	97400	99100	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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