



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 Abbas Developers
 Canal 44 Luxury Apartments

Reference # CED/TFL **2579** (Dr. Rizwan Azam)
 Reference of the request letter # Nil

Dated: 06-01-2023
 Dated: 06-01-2023

Tension Test Report (Page -1/1)

Date of Test 09-01-2023
 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	0.372	3	0.373	0.11	0.109	3000	4400	60200	60550	88200	88900	1.90	23.8	
2	0.368	3	0.371	0.11	0.108	3000	4400	60200	61100	88200	89600	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 Laboratories
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



STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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To,

Resident Engineer
 NESPAK
 Construction of Bridge at Butcher Khana Distributary along Chenab Road Jinnah Sector
 LDA City Housing Scheme.

Reference # CED/TFL **2580** (Dr. Rizwan Azam)
 Reference of the request letter # 4047/13/MA/09/01

Dated: 06-01-2023
 Dated: 04-01-2023

Tension Test Report (Page -1/1)

Date of Test 09-01-2023
 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	3600	5100	72200	71110	102200	100800	1.40	17.5	SJ Steel
2	0.379	3	0.377	0.11	0.112	3200	4700	64200	63230	94200	92900	1.30	16.3	
3	4.312	10	1.270	1.27	1.267	41200	53200	71500	71650	92400	92600	1.60	20.0	
4	4.309	10	1.270	1.27	1.267	40200	52600	69800	69960	91300	91600	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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Department of Civil Engineering
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To,

Dy. Manager Q.A & Q.C
 PIEDMC

Construction of Panel Room with HT Equipment for 11 kV Electrical Connection Room from Lesco in Chunian Aqua Business Park, Chunian.

Reference # CED/TFL **2581** (Dr. Rizwan Azam)

Dated: 06-01-2023

Reference of the request letter # PIE/CABP/QAQC/GEC/02

Dated: 06-01-2023

Tension Test Report (Page -1/1)

Date of Test 09-01-2023

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	3500	4600	70200	70740	92200	93000	1.20	15.0	Mughal Steel
2	0.369	3	0.372	0.11	0.109	3600	4600	72200	73080	92200	93400	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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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
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To,

M/S SA-RA Group
 Lahore

(Procurement of Plant, Design, Supply, Installation, Testing and Commission of 220 kV Double Circuit Transmission Line on Rail Conductor from D.I Khan to Zhob)(Approx. 220km)

Reference # CED/TFL **2582** (Dr. Rizwan Azam)
 Reference of the request letter # MIG/2023/106

Dated: 06-01-2023
 Dated: 06-01-2023

Tension Test Report (Page -1/1)

Date of Test 09-01-2023

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	0.376	3	0.375	0.11	0.111	3500	5000	70200	69710	100200	99600	1.50	18.8	Al Moiz Steel
2	0.378	3	0.376	0.11	0.111	3500	5000	70200	69380	100200	99200	1.40	17.5	
3	4.217	10	1.256	1.27	1.239	39200	55000	68100	69710	95500	97900	1.80	22.5	
4	4.217	10	1.256	1.27	1.239	38000	54600	66000	67570	94800	97100	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and four samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#3 Bar Bend Test Through 180° is Satisfactory														
#10 Bar Bend Test Through 180° is Satisfactory														
#10 Bar Bend Test Through 180° is Satisfactory														

Witness by Engr. Noman Asghar (J.E NESPAK) & B M Rizwan Assistant Manager (SA-RA Energi)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

General Manager (Construction)
Enviroconsult (SMC-PVT) Ltd
Comprehensive Sewerage, Drainage and Water Supply System in Gujrat City.

Reference # CED/TFL **2586** (Dr. Rizwan Azam)

Dated: 06-01-2023

Reference of the request letter # 315-A/PHED-GJR/2022/03-A

Dated: 22-11-2022

Tension Test Report (Page -1/1)

Date of Test 09-01-2023

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	0.170	1/4	0.253	-----	0.050	1680	2000	-----	73930	-----	88100	1.30	16.3	
2	0.178	1/4	0.258	-----	0.052	1520	2040	-----	64180	-----	86200	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and four samples for bend test														
Bend Test														
1/4" Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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