



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

To,

Farooq Khattak
 Chief Resident Engineer
 PMCS Consultants (Dreams-I)
 Lot-1: Integrated Water Supply System Based on Chahan Dam-Raw Water Intake
 System and Water Treatment Plant of Capacity 12 MGD.

Reference # CED/TFL **6714** (Dr. Usman Akmal)
 Reference of the request letter # PMCS/CRE/LOT-1/316

Dated: 17-03-2025
 Dated: 13-03-2025

Tension Test Report (Page -1/1)

Date of Test 19-03-2025
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.371	3	0.373	0.11	0.109	34.50	47.00	70500	71000	96000	96800	1.10	13.8	FF Steel
2	0.370	3	0.372	0.11	0.109	34.50	46.70	70500	71290	95400	96500	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Samples for Tensile and One for Bend test.														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory. (FF Steel)														

Test Performed and Verified by:

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



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

To,

Manohar Lal
Resident Engineer
Nespak Office, Head Saghar Road, Near Canal Garden, Doaba, Hafizabad.
Dualization of Road from Gujranwala to M-2 Interchange at Kot Sarwar via Hafizabad
Km 6.20 to Km 80.30 Length 74.15 Km in Distt. Gujranwala & Hafizabad

Reference # CED/TFL **6718** (Dr. Usman Akmal)

Dated: 17-03-2025

Reference of the request letter # SA-466F/103/GH/FRO/Lab/113

Dated: 11-03-2025

Tension Test Report (Page -1/1)

Date of Test 19-03-2025

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
FF Steel

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	4.186	10	1.252	1.27	1.230	37800	53400	65600	67710	92700	95700	1.70	21.3	
2	4.215	10	1.256	1.27	1.239	38000	53800	66000	67610	93400	95800	1.50	18.8	
3	5.330	11	1.412	1.56	1.567	60200	78200	85100	84700	110500	110100	1.20	15.0	
4	5.290	11	1.407	1.56	1.555	58800	76200	83100	83350	107700	108100	1.40	17.5	
Note: Only Four samples for tensile and Two samples for bend test														
Bend Test														
#10 Bar Bend Test Through 180° is Satisfactory														
#11 Bar Bend Test Through 180° is Satisfactory														

Test Performed and Verified by:

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
 Al-Imam Enterprises (Pvt.) Ltd.
 Construction of Zonal Office Building of Bank Al-Habib Limited, Main Boulevard
 Gulber, Lahore

Reference # CED/TFL **6721** (Dr. Usman Akmal)

Dated: 17-03-2025

Reference of the request letter # AIM/BAHL/0325/1703

Dated: 17-03-2025

Tension Test Report (Page -1/1)

Date of Test 19-03-2025

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	4.209	10	1.255	1.27	1.237	41200	55600	71500	73390	96500	99100	1.40	17.5	
2	4.122	10	1.242	1.27	1.212	39600	54600	68800	72040	94800	99400	1.60	20.0	
3	5.239	11	1.400	1.56	1.540	50000	67200	70700	71560	95000	96200	1.60	20.0	
4	5.250	11	1.402	1.56	1.543	49800	67200	70400	71130	95000	96000	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Four Samples for Tensile and Two Samples for Bend test														
Bend Test														
#10 Bar Bend Test Through 180° is Satisfactory														
#11 Bar Bend Test Through 180° is Satisfactory														

Test Performed and Verified by:

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,

Engr. Mazhar Latif
 General Manager (Projects)
 Habib Rafiq Engineering Pvt. Ltd. Lahore.
 Development of One Central Project, Lahore

Reference # CED/TFL **6724** (Dr. Usman Akmal)
 Reference of the request letter # L-1C-MISC-25-0027

Dated: 18-03-2025

Dated: 17-03-2025

Tension Test Report (Page -1/1)

Date of Test 19-03-2025

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (mm)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.405	10	9.88	0.12	0.119	3620	5320	66505	67090	97737	98600	1.30	16.3	Moiz Steel
2	0.407	10	9.92	0.12	0.120	3620	5320	66505	66660	97737	98000	1.20	15.0	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Bend Test Through 180° is Satisfactory (Moiz Steel)														

Test Performed and Verified by:

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,

C.E.O.

Landmark Developers

Construction of a Commercial Building and Infrastructure.

Reference # CED/TFL **6726** (Dr. Usman Akmal)

Dated: 18-03-2025

Reference of the request letter # Nil

Dated: 17-03-2025

Tension Test Report (Page -1/1)

Date of Test 19-03-2025

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	3	0.371	0.11	0.108	31.20	44.00	63800	64710	89900	91300	1.20	15.0	
2	0.363	3	0.369	0.11	0.107	31.20	43.50	63800	65680	88900	91600	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Samples for Tensile and One for Bend test.														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory.														

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Project Manager (P & D)
University of Management and Technology Lahore.
Underground Water Tank Steel of SST II.
(Ikram Amjad Trader & Engineering Works.)

Reference # CED/TFL **6727** (Dr. Usman Akmal)
Reference of the request letter # UGWT-01

Dated: 18-03-2025
Dated: 17-03-2025

Tension Test Report (Page -1/1)

Date of Test 19-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
FF Steel

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.408	3	0.391	0.11	0.120	39.50	51.20	80700	73980	104600	95900	1.00	12.5	
2	0.410	3	0.392	0.11	0.121	39.50	50.50	80700	73630	103200	94200	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S CM Engineering (Pvt) Ltd.
Lahore.
(Project TAWAL Site ID: TWPBWP0018-TWPCSD0002)

Reference # CED/TFL **6732** (Dr. Waseem Abbass)
Reference of the request letter # CME/Steel/TAWAL/347

Dated: 19-03-2025
Dated: 20-02-2025

Tension Test Report (Page -1/1)

Date of Test 19-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.371	3	0.373	0.11	0.109	3420	5240	68600	69100	105000	105900	1.00	12.5	
2	0.372	3	0.373	0.11	0.109	3020	4600	60600	60830	92200	92700	1.20	15.0	
3	0.361	3	0.368	0.11	0.106	2900	4500	58200	60240	90200	93500	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three samples for tensile test														
Bend Test														

I/C Testing Laboratories
UET Lahore, Pakistan.

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