



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

To,

Project Manager
Treet Corporation Limited.
Treet Corporation Limited, 72-B Kot Lakhpat, Lahore.

Reference # CED/TFL **5460** (Dr. Safer Abbass)
Reference of the request letter # RPL-FIN-050824-01

Dated: 05-08-2024
Dated: 05-08-2024

Tension Test Report (Page -1/1)

Date of Test 09-08-2024
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	0.356	3	0.365	0.11	0.105	3000	4600	60200	63230	92200	97000	1.10	13.8	
-	0.343	3	0.358	0.11	0.101	3000	4200	60200	65560	84200	91800	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														

Witness by Usama Rauf (Site Engineer)

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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To,
Senior Site Inspector
Designmen Consulting Engineers (Pvt) Ltd.
Construction site of AIOU Regional Office Sheikhupura.

Reference # CED/TFL **5486** (Dr. Safer Abbass)
Reference of the request letter # P-348/2022/AIOU-SKP/LAB/21

Dated: 08-08-2024
Dated: 06-08-2024

Tension Test Report (Page -1/1)

Date of Test 09-08-2024
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	0.373	3	0.373	0.11	0.110	3300	4800	66200	66390	96200	96600	1.30	16.3	Ittehad 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,

M/S Izhar Steel (Pvt) Ltd.
Lahore
(LPG Storage & Bottling Facility PARCO PEARL GAS)

Reference # CED/TFL **5487** (Dr. Safer Abbass)
Reference of the request letter # ISPL-112-LET-00038

Dated: 08-08-2024
Dated: 08-08-2024

Tension Test Report (Page -1/1)

Date of Test 09-08-2024
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	0.364	3	0.369	0.11	0.107	3500	4600	70200	72170	92200	94900	1.20	15.0	
2	0.364	3	0.369	0.11	0.107	3600	4600	72200	74200	92200	94900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,

Assistant Director (Tech)
EWR Phase-II
Project Management Unit (EWR)
Water & Sanitation Agency, Faisalabad.
(Construction of Boundary Wall at Distribution Centers of Zone – (1, 3, 4 & 5)

Reference # CED/TFL **5488** (Dr. Safer Abbass)

Dated: 08-08-2024

Reference of the request letter # 268/DD(Tech)/EWR-II/2024

Dated: 26-07-2024

Tension Test Report (Page -1/1)

Date of Test 09-08-2024

Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		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	0.394	3/8	0.384	0.11	0.116	3800	5000	76200	72240	100200	95100	1.10	13.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

Manager Civil
Nishat Mills Limited
Dyeing & Finishing Plant, Lahore
“Construction of Corduroy Building & Chemical Sedimentation Basin, Lahore”

Reference # CED/TFL **5489** (Dr. Safer Abbass)
Reference of the request letter # NDF/CB/001

Dated: 08-08-2024
Dated: 07-08-2024

Tension Test Report (Page -1/1)

Date of Test 09-08-2024
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	0.403	10	9.87	0.12	0.119	4000	6200	73487	74340	113904	115300	0.90	11.3	Afaq Steel
2	0.413	10	9.98	0.12	0.121	3800	6000	69812	69040	110230	109100	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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To,
Resident Engineer,
Orbit Developers Private Limited
The Spring Atrium, Gulberg II Lahore.

Reference # CED/TFL **5493** (Dr. Nauman Khurram)
Reference of the request letter# NIL

Dated: 09-08-2024
Dated: 09-08-2024

Tension Test Report (Page -1/1)

Date of Test 09-08-2024
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	0.362	3	0.368	0.11	0.106	3110	4890	62400	64460	98000	101400	1.10	13.8	
2	0.365	3	0.370	0.11	0.107	3180	5010	63800	65280	100400	102900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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