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/06/5262 Dated: 21-06-2024

Dated of Test: 25-06-2024

To

Resident Engineer
Techno – Consult International (Pvt) Ltd.
PRSWSS Project
Noorpur Thal City
"PRSWSSP, Procurement of Civil Works (NPT 05), North, Tesil Noorpur Thal, (Village Nawa Saggu, Katimar)."

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

Reference to your letter No. TCI/PRSWSSP-NORTH/PHASE-III/NPT-05/017A, dated 11.06.2024 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	12	7.76	7.36	16.14	12.11	2.01	10500	14500	3118	4305
2	12	7.75	7.35	16.14	12.09	2.02	10300	14300	3066	4256

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,

Project Manager,
HIGH-Q
Construction of HIGH-Q Mall at 3-A, Gulberg II, Lahore.

Reference # CED/TFL **5264** (Dr. Usman Akmal) Dated: 24-06-2024
Reference of the request letter # QC/HQ/CIVIL/217 Dated: 24-06-2024

Tension Test Report (Page -1/1)

Date of Test 25-06-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend 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	0.408	10	9.93	0.12	0.120	4200	5400	77161	77130	99207	99200	1.10	13.8	
2	0.409	10	9.94	0.12	0.120	4100	5400	75324	75090	99207	98900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
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Pakistan. Ph: 92-42-99029202

To,

QAQC Manager
Zameen Dvelopment
Zameen Neo
Construction of Zameen Neo at Plot # 13, Block-H, Gulberg III, Lahore.

Reference # CED/TFL **5265** (Dr. Usman Akmal) Dated: 24-06-2024
Reference of the request letter # ZD/QAQC/NEO/04 Dated: 24-06-2024

Tension Test Report (Page -1/1)

Date of Test 25-06-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615 (Hunza 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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.373	3	0.373	0.11	0.110	3100	4900	62200	62400	98200	98700	1.20	15.0	
2	0.373	3	0.374	0.11	0.110	3400	4900	68200	68290	98200	98500	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

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,

Dy Dir Infra
Defence Housing Authority, Gujranwala
"Const of Sec Comm Shops (Village Space)"

Reference # CED/TFL **5267** (Dr. Usman Akmal) Dated: 24-06-2024
Reference of the request letter # 111/3/AD/Techno Time/54 Dated: 12-06-2024

Tension Test Report (Page -1/1)

Date of Test 25-06-2024
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	0.373	3	0.374	0.11	0.110	3300	4800	66200	66280	96200	96400	1.10	13.8	SJ Steel
2	0.401	3	0.388	0.11	0.118	3400	5100	68200	63540	102200	95300	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

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,

Assistant Project Engineer
Defence Housing Authority, Gujranwala
"Construction of 10 Marla Villas (Block A)."

Reference # CED/TFL **5268** (Dr. Usman Akmal) Dated: 24-06-2024
Reference of the request letter # 111/3/APE Works/Lab/1315 Dated: 14-06-2024

Tension Test Report (Page -1/1)

Date of Test 25-06-2024
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	0.383	3	0.379	0.11	0.113	3400	5000	68200	66550	100200	97900	1.30	16.3	SJ Steel
2	0.386	3	0.380	0.11	0.113	3400	5000	68200	66100	100200	97200	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

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,

Division Forest Officer
Kasur Forest Division
At Changa Manga
(The Construction of Boundary Wall with Iron Grill at Changa Manga Rest House.)

Reference # CED/TFL **5269** (Dr. Usman Akmal) Dated: 24-06-2024
Reference of the request letter # 1268/AC Dated: 12-06-2024

Tension Test Report (Page – 1/1)

Date of Test 25-06-2024
Gauge length 8 inches
Description Flat Iron Tensile Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)		(mm)	(mm^2)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	**Flat Iron**	**3/8**	**9.20x8.80**	**80.96**	**2600**	**3600**	**315**	**436**	**2.20**	**27.50**	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile Test											
Bend Test											

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,

Unit Head PMO
ABL – UML P-199 & 200
Allied Bank
Construction of ABL Upper Mall Lahore Plot No. 199, 200.

Reference # CED/TFL **5270** (Dr. Usman Akmal) Dated: 25-06-2024
Reference of the request letter # ABL-UML-AMC-QAQC-83 Dated: 24-06-2024

Tension Test Report (Page -1/1)

Date of Test 25-06-2024
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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.377	3	0.376	0.11	0.111	3500	4700	70200	69660	94200	93600	1.10	13.8	
2	0.371	3	0.373	0.11	0.109	3300	4600	66200	66660	92200	93000	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Pakistan. Ph: 92-42-99029202

To,

M/S Ittefaq Building Solutions Pvt. Ltd.
Lahore
(Learing Alliance School)

Reference # CED/TFL **5273** (Dr. Asif Hameed) Dated: 25-06-2024
Reference of the request letter # Nil Dated: 25-06-2024

Tension Test Report (Page -1/1)

Date of Test 25-06-2024
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	0.354	3	0.364	0.11	0.104	3100	4800	62200	65710	96200	101800	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

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