



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/01/2641
2023

Dated: 18-01-

Dated of Test: 25-01-2023

To
Head QA/QC
Vision Developers Pvt. Ltd.
Park View City Lahore

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a]**

Reference to your letter No. Nil, dated 16.01.2023 on the subject cited above. Three 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	9	7.75	7.26	12.20	8.62	1.79	10500	14500	4437	6127
2	9	7.71	7.26	12.56	8.07	2.24	8000	13000	3613	5872
3	12	7.78	7.35	15.91	11.80	2.05	11000	15000	3355	4575

Witness by M Waqas (QA-QC-Lab Tech. Vision Builders – Park View City)

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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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,
Resident Engineer,
Orbit Housing
The Spring Apartment Homes

Reference # CED/TFL **2672** (Dr. Asad Ali)
Reference of the request letter# NIL

Dated: 24-01-2023
Dated: 24-01-2023

Tension Test Report (Page -1/1)

Date of Test 25-01-2023
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	0.362	3	0.368	0.11	0.106	3790	4860	76000	78550	97400	100800	1.20	15.0	
2	0.360	3	0.367	0.11	0.106	3740	4740	75000	77940	95000	98800	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														

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,

Asst Dir Infra
Defence Housing Authority
Gujranwala
"Sector C"

Reference # CED/TFL **2682** (Dr. Asad Ali)

Dated: 25-01-2023

Reference of the request letter # 111/15/AD/RS/Pkg-2A/1023

Dated: 21-01-2023

Tension Test Report (Page -1/2)

Date of Test 25-01-2023

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	0.379	3	0.377	0.11	0.111	3430	5150	68800	67890	103200	102000	1.20	15.0	Nonee Steel	
2	0.384	3	0.379	0.11	0.113	3520	5200	70600	68820	104200	101700	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															

Witness by Abdul Rahman (L.T DHA)

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UET Lahore, Pakistan.

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To,

Deputy Manager Civil
Nishat Denim
“Construction of Dnim Plant Unit-67” Bhikki Sheikhrura

Reference # CED/TFL **2683** (Dr. Asad Ali)
Reference of the request letter # NML/Denim/014

Dated: 25-01-2023
Dated: 23-01-2023

Tension Test Report (Page -1/1)

Date of Test 25-01-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (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	0.414	10	10.00	0.12	0.122	3930	5880	72201	71130	108025	106500	1.20	15.0	Kamran Steel
2	0.415	10	10.01	0.12	0.122	3950	5560	72568	71380	102146	100500	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Ref: CED/TFL/01/2685

Dated: 25-01-2023

Dated of Test: 25-01-2023

To

M/S Consolidated Engineering Services (Pvt) Ltd
Karachi
(Tower - 59, Islamabad)

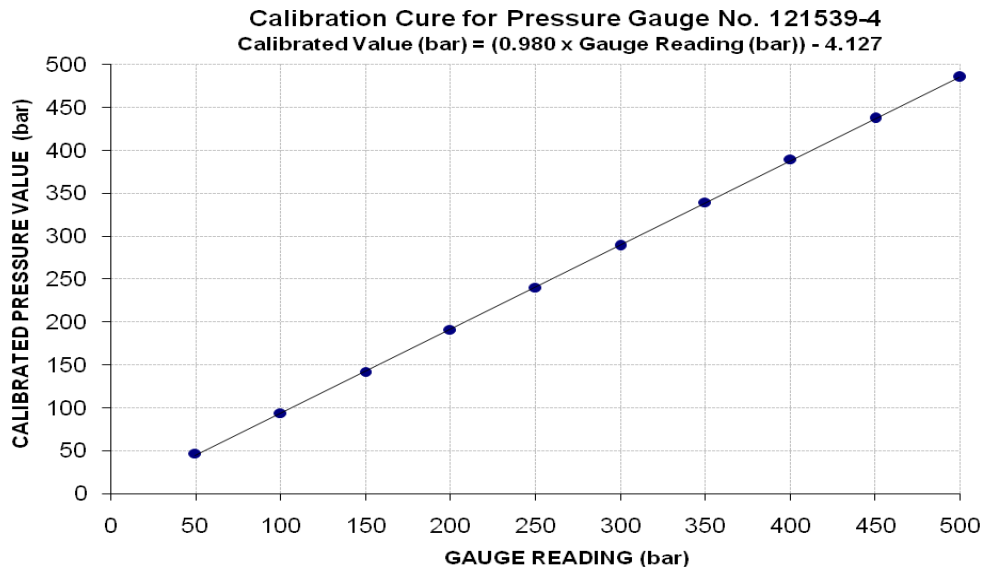
Subject: - **CALIBRATION OF PRESSURE GAUGE (MARK: TFL/01/2685)** (Page # 1/1)

Reference to your Letter No. Nil, Dated: 25/01/2023 on the subject cited above. One Pressure Gauge No. 121539-4 as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 700 (bar)
Calibrated Range : Zero - 500 (bar)

Pressure Gauge Reading (bar)	50	100	150	200	250	300	350	400	450	500
Calibrated Load (kg)	9400	18900	28700	38600	48500	58300	68500	78700	88300	98000
Calibrated Pressure (bar)	46.56	93.61	142.15	191.19	240.22	288.76	339.28	389.80	437.35	485.40

The Ram Area of Calibration = 198 cm² (Witness by M Asghar)



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