



**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/03/4835

Dated: 21-03-2024

Date of Test: 27-03-2024

To,

**M/S Progressive International**  
**Lahore**  
**(Improvement and Extension of Water Supply System in Kamoke City.)**

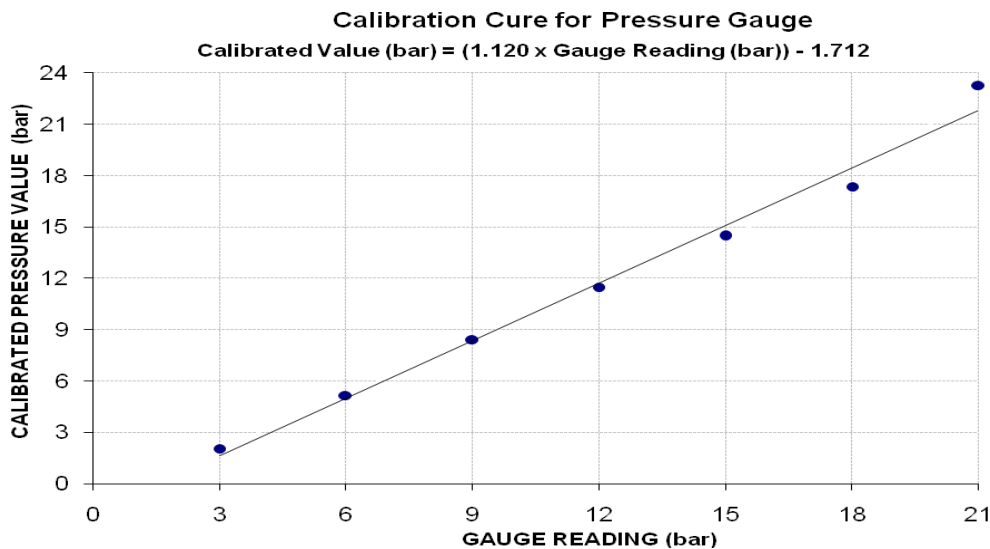
**Subject: - CALIBRATION OF PRESSURE GAUGE**

Reference to your Letter No. Nil, Dated: 21/03/2024 on the subject cited above. One Pressure Gauge as received by us has been calibrated. The results are tabulated as under:

**Calibrated Range : Zero - 25 (bar)**  
**Calibrated Range : Zero - 21 (bar)**

Gauge Reading (bar)	3	6	9	12	15	18	21
Calibrated Load (kg)	410	1040	1700	2320	2920	3500	4700
Calibrated Pressure (bar)	2.03	5.15	8.42	11.49	14.46	17.34	23.28

The Ram Area for Calibration = 198 cm<sup>2</sup>



**I/C Testing Laboratories**  
**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,

Sub Divisional Officer  
Buildings Sub Division No. 15  
Lahore  
(Construction of Boundary Wall Right Side Situated at Mouza Badoki Tehsil Model  
Town District Lahore.)

Reference # CED/TFL **4852** (Dr. Ali Ahmed)  
Reference of the request letter # 442

Dated: 26-03-2024  
Dated: 21-03-2024

**Tension Test Report** (Page -1/1)

Date of Test 27-03-2024  
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 <sup>2</sup> )		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	0.374	3	0.374	0.11	0.110	3690	4740	74000	74000	95000	95100	1.20	15.0	
2	0.387	3	0.381	0.11	0.114	4030	5010	80800	78050	100400	97100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratories**  
**UET Lahore, Pakistan.**

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To,

Resident Engineer  
NESPAK jv TurkPak  
Construction of Green Building for EMC, EPD and Allied New Entities Established  
Under PGDP (DLI-2, PGDP) Lahore.

Reference # CED/TFL **4853** (Dr. Ali Ahmed)

Dated: 26-03-2024

Reference of the request letter # NESPAK-TURKPAK JV/RE/GBL/2024/14 Dated: 26-03-2024

**Tension Test Report** (Page -1/1)

Date of Test 27-03-2024

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 <sup>2</sup> )		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	0.370	3	0.372	0.11	0.109	3310	4640	66400	67050	93000	94000	1.30	16.3	Markhor Steel
2	0.375	3	0.375	0.11	0.110	3380	4710	67800	67540	94400	94200	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

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To,

M/S Bashir Industries  
Daroghawala, Lahore.

Reference # CED/TFL **4855** (Dr. Ali Ahmed)  
Reference of the request letter # Nil

Dated: 26-03-2024

Dated: 26-03-2024

**Tension Test Report** (Page -1/1)

Date of Test 27-03-2024

Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in <sup>2</sup> )		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	0.370	3	0.372	0.11	0.109	2770	3790	55600	56100	76000	76800	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

**I/C Testing Laboratories**  
**UET Lahore, Pakistan.**

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To,  
M/S AD City  
Lahore

Reference # CED/TFL **4859** (Dr. Ali Ahmed)  
Reference of the request letter # Nil

Dated: 27-03-2024  
Dated: 27-03-2024

**Tension Test Report** (Page -1/1)

Date of Test 27-03-2024  
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 <sup>2</sup> )		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	4130	4890	82800	83230	98000	98600	0.60	7.5	
2	0.374	3	0.374	0.11	0.110	3690	4660	74000	74000	93400	93500	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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