



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

To,
District Controller of Store
P.R. Carriage Factory
Islamabad

Reference # CED/TFL 36338 (Dr. Asad Ali)
Reference of the request letter # 555/20/INSP/CF

Dated: 14-04-2021
Dated: 12-04-2021

Tension Test Report (Page – 1/1)

Date of Test 23-04-2021
Gauge length 2 inches
Description M.S Pipe Steel Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	25x3	16.75x2.90	48.58	24.00	30.20	494.08	621.72	0.40	20.00	
2	25x3	16.60x2.80	46.48	24.20	30.00	520.65	645.44	0.40	20.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test										
Bend Test										

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



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Ref: CED/TFL/04/36360
Dated of Test: 23-04-2021

Dated: 21-04-2021

To,
Project Engineer
Defence Housing Authority,
Gujranwala

Subject: - CALIBRATION OF PRESSURE GAUGE (MARK: TFL/04/36360) (Page -1/2)

Reference to your Letter No. 111/15/PE/RS/Pkg-1/113, Dated: 14/03/2021 on the subject cited above. One Pressure Gauge No. 1 as received by us has been calibrated. The results are tabulated as under:

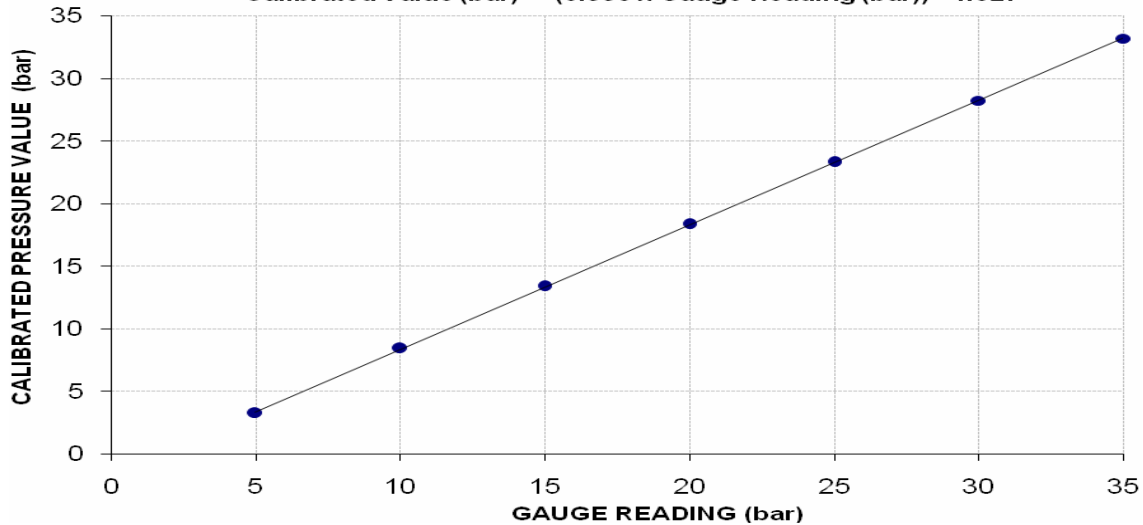
Total Range : Zero - 40 (bar)
Calibrated Range : Zero - 35 (bar)

Pressure Gauge Reading (bar)	5	10	15	20	25	30	35
Calibrated Load (kg)	650	1700	2700	3700	4700	5700	6700
Calibrated Pressure (bar)	3.22	8.42	13.37	18.33	23.28	28.23	33.19

The Ram Area use for Calibration = 198 cm²

Calibration Curve for Pressure Gauge No. 1

Calibrated Value (bar) = (0.995 × Gauge Reading (bar)) - 1.627



I/C Testing Laboratories
UET Lahore, Pakistan.

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Dated of Test: 23-04-2021

Dated: 21-04-2021

To,
Project Engineer
Defence Housing Authority,
Gujranwala

Subject: - CALIBRATION OF PRESSURE GAUGE (MARK: TFL/04/36360) (Page -2/2)

Reference to your Letter No. 111/15/PE/RS/Pkg-1/113, Dated: 14/03/2021 on the subject cited above. One Pressure Gauge No. 2 as received by us has been calibrated. The results are tabulated as under:

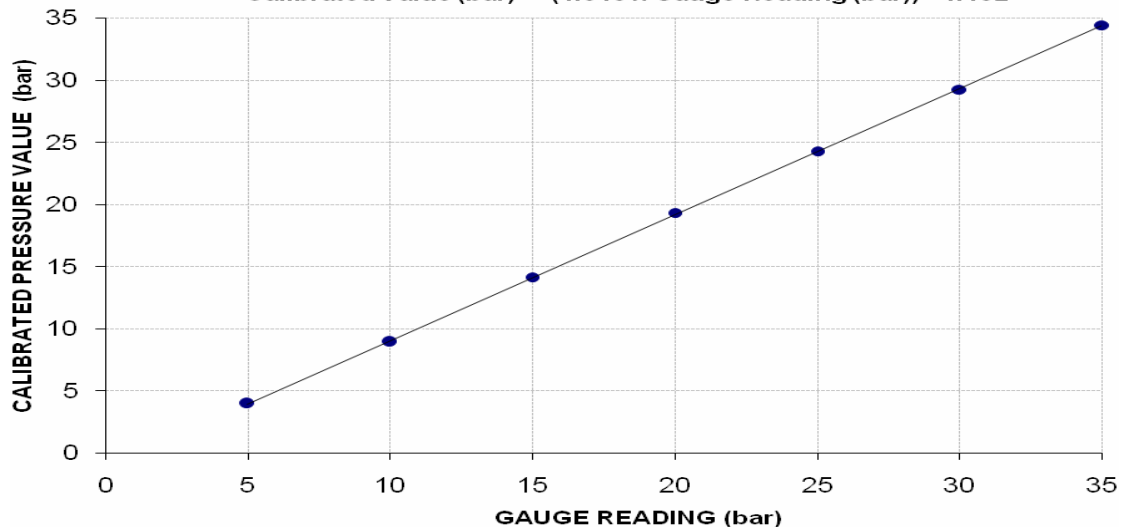
Total Range : Zero - 40 (bar)
Calibrated Range : Zero - 35 (bar)

Pressure Gauge Reading (bar)	5	10	15	20	25	30	35
Calibrated Load (kg)	800	1800	2850	3900	4900	5900	6950
Calibrated Pressure (bar)	3.96	8.92	14.12	19.32	24.27	29.22	34.42

The Ram Area use for Calibration = 198 cm²

Calibration Curve for Pressure Gauge No. 2

Calibrated Value (bar) = (1.015 x Gauge Reading (bar)) - 1.132



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UET Lahore, Pakistan.

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- 2- The above results pertain to sample /samples supplied to this laboratory.
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